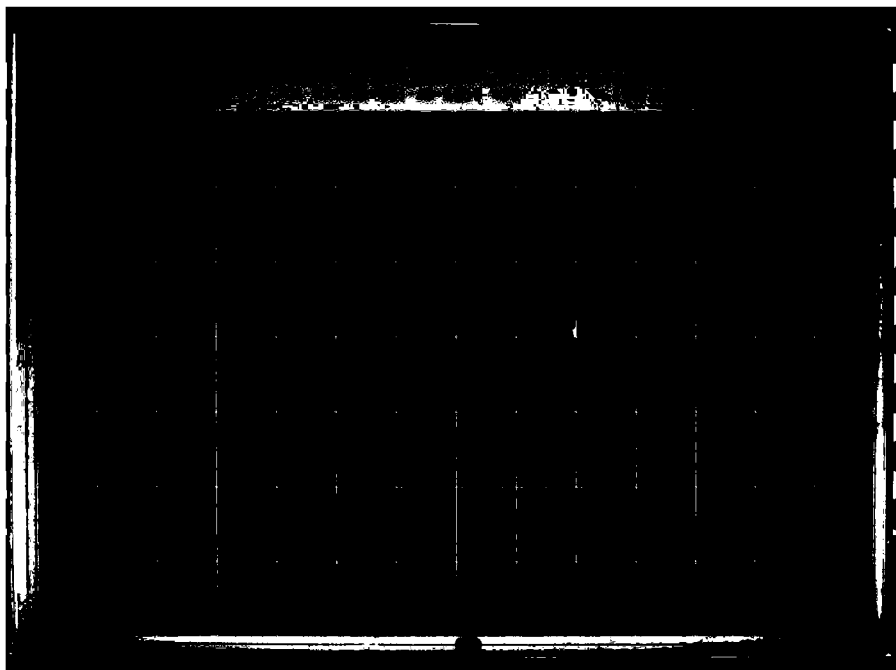
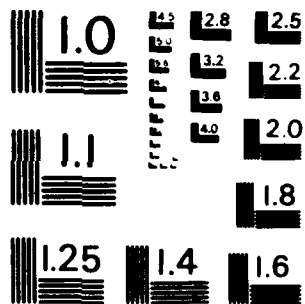






MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

AD-A134 211

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FILE NO. 100
100-100

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

STATION NO. 100
ELEVATION 100 FT.
TIME 1000-1000
OBSERVER 1000
WIND 1000
TEMP 1000
HUMIDITY 1000
PRESSURE 1000
VISIBILITY 1000
CLOUDS 1000
WEATHER 1000
COMMENTS 1000

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ADP 85-111

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- GALENA AFS, ALASKA		5. TYPE OF REPORT & PERIOD COVERED Final rept.
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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 GALENA AFS, GALENA, 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. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* ALASKA
* GALENA AFS

* GALENA
USAK702220

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 GRA&I	☒
DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
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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 WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WMO NUMBER	
702220		GALENA ALASKA		N 64 44		W 156 56		152		PAGA		70222	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	MT. BARO.					
1	Galena AFS Alaska	AFS	Mar 54	19 Apr 61	N 64 43	W 156 54	135	125 ft	24				
2	Same	Same	20 Apr 61	18 Apr 62	N 64 44	W 156 56	Same	Same	24				
3	Same	Same	19 Apr 62	14 Apr 64	Same	Same	138	Same	24				
4	Same	Same	15 Apr 64	Feb 79	Same	Same	152	149 ft	24				
5	Same	Same	Mar 79	Jul 83	Same	Same	Same	Same	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	Mar 54	Located on roof of the weather wtn	Selsyn	ML-143-A	25 ft								
2	14Apr 55	Same	Same	ML-143	40 ft								
3	4 May 56	Located on top of control tower	Same	N/A	90 ft								
4	20Apr 61	Located on top of a hangar 500' N of the weather station	AN/GMQ-11	ID 373	65 ft								
5	19Apr 62	Located 5700 ft East of the weather station and 750 ft from touchdown	Same	Same	20 ft								
6	15Apr 65	Located 5700 ft East of the weather station and 750 ft from touchdown	AN/GMQ-11	RO-2A	20 ft								
7	15Apr 66	1. Located 530 ft West of the end of runway 25 and 500 ft N of centerline 2. Located 400 ft E of the end of the runway 07 and 320 ft N of centerline	Same	Same	18 ft								
			AN/GMQ-20		18 1/2 ft								

NUMBER OF STATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
3	1 Apr 68	line. 1. Located 350 ft N of centerline and 350 ft from end of rnwy 07	AN/GMQ-11	Same	17 ft	
		2. Located 310 ft N of centerline and 900 ft from end of rnwy 25	AN/GMQ-20		Same	
	May 76	1. Located 350 ft N of centerline and 400 ft from end of rnwy 07.	Same	RO-362	Same	
		2. Located 350 ft N of centerline and 900 ft from end of rnwy 25.	Same		Same	
.0	Feb 79	1. Same	Same	Same	Same	
		2. Same	Same		Same	
1	Jul 83	1. Same	Same	Same	Same	
		2. Same	Same		Same	

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total column. 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
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

70220
STATION

SALENA AFS AK

STATION NAME

73-82

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		.2	.6	19.8		20.0	12.9		1.3		14.2	930
	03-05			.2	19.1		19.1	12.7	.1	2.0		14.7	930
	06-08		.1		20.0		20.1	12.6		2.4		14.8	930
	09-11		.1	.1	16.6		16.8	14.3	.3	1.5		15.8	930
	12-14			.4	19.1		19.4	11.2	.3	1.5		12.7	930
	15-17		.1	.3	17.8		18.3	9.6	.4	1.3		10.6	930
	18-20		.3	.4	18.2		18.8	10.1	.2	1.2		11.4	930
	21-23		.4	.3	16.4		18.8	12.9	.2	1.4		14.3	930
TOTALS			.2	.3	18.6		18.9	12.0	.2	1.6		13.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2220
STATION

GALENA AFS AK

STATION NAME

73-87

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	00-01		.2	.1	12.9		13.2	11.1	.5	1.3		12.4	946
	03-05			.2	14.2		14.4	11.9	.9	.7		12.6	946
	06-08		.4	.5	15.1		15.8	12.4	1.4	.2		12.6	946
	09-11		.6	.7	18.4		19.0	16.0	1.4			16.0	946
	12-14		.9	.6	18.2		19.0	4.5	.7	.1		5.0	946
	15-17		.5	.4	13.9		14.8	2.7	.4	.1		3.2	946
	18-20			.7	11.7		12.3	3.9		.7		4.6	946
	21-23		.1	.1	11.5		11.7	7.6	.4	1.4		9.0	946
TOTALS			.3	.4	14.5		15.0	8.8	.7	.6		9.4	6768

WEATHER CONDITIONS

MAD
MONTH

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		.3		16.0		16.3	1.1		.6		1.7	930
	03-05		.3		20.4		20.6	.6		1.1		1.7	930
	06-08		.1		22.0		22.2	3.1	.1	.9		4.2	930
	09-11			.1	21.6		21.9	4.0		.6		4.6	930
	12-14				20.9		20.9	2.0		.6		2.6	930
	15-17		.3	.1	17.4		17.6	1.8		.8		2.2	930
	18-20		.2	.3	17.8		18.3	2.2		.6		2.5	930
	21-23		.4	.1	17.5		18.0	1.0		.4		1.4	930
TOTALS			.2	.1	19.2		19.5	2.0	.3	.7		2.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2220
STATION

GALENA AFS AK

STATION NAME

73-82

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS	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		3.1		11.4		14.1	1.6		.7		2.2	900
	03-05		1.9		11.4		13.3	2.8	.1	.7		3.4	900
	06-08		.9		15.6		16.6	4.2				4.2	900
	09-11		1.7		13.2		14.9	3.1		.3		3.3	900
	12-14		1.7		11.6		13.3	1.6		.4		1.8	900
	15-17		2.8		6.0		10.6	1.0		.7		1.7	900
	18-20		2.6		10.3		12.3	1.2		.3		1.6	900
	21-23		2.9		11.2		13.4	1.4		.6		2.0	900
TOTALS			2.2		11.6		13.5	2.1	.0	.5		2.5	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2220
STATION

GALENA AFS AK

STATION NAME

73-82

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LIST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02		5.7		1.0		6.6	.8		.1		.8	930
	03-05		4.1		2.4	.1	6.6	1.6	.1			1.7	930
	06-08		4.8		2.7		7.4	1.5	.2			1.6	930
	09-11		5.7		1.5		6.9	.9				.9	930
	12-14	.1	6.0		.9		6.7	.5				.5	930
	15-17	.6	6.1		.3	.1	6.5						930
	18-20	.2	6.9		.5		7.2	.3				.3	930
	21-23		5.1		.9		5.6	.4				.4	930
TOTALS		.1	5.8		1.3	.0	6.9	.8	.0	.0		.8	7440

WEATHER CONDITIONS

JUN
MONTH

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.1	11.0		.2		11.2	.7				.7	903
	03-05		9.0				9.0	1.0				1.0	900
	06-08		10.8				10.8	.8				.8	900
	09-11		12.7				12.7	.7				.7	900
	12-14	.3	13.8				13.8	.9				.9	900
	15-17	1.0	14.8				14.8	.6				.6	900
	18-20	1.1	12.3				12.3	.1				.1	900
	21-23	.6	12.2				12.2	.3	.2			.6	900
TOTALS		.4	12.1		.0		12.1	.6	.0			.7	7200

WEATHER CONDITIONS

70.220

GALENA AFS AK

73-82

JUL
MONTH

MONTH	HOURS OF SUN	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	00-01		9.8				9.8	.8	1.6			2.4	930
	03-05		11.6				11.6	1.1	1.1			2.2	930
	06-08		14.3		.3		14.5	1.9	1.4			3.1	930
	09-11	.2	12.6				12.6	.8	1.0			1.7	930
	12-14	.4	13.4				13.4	1.4	1.1			2.5	930
	15-17	1.3	12.8				12.8	1.6	.4			2.0	930
	18-20	.5	13.0				13.0	.9	1.0			1.8	930
	21-23	.8	11.5				11.5	.6	.9			1.5	930
TOTALS		.4	12.4		.0		12.4	1.1	1.1			2.2	7000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2220
STATION

SALENA AFS AK
STATION NAME

73-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	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 OBS TO VISIB	TOTAL NO. OF OBS
AUG	00-02	.2	14.7				14.7	1.9	.6			2.4	930
	03-05		16.5				16.5	5.2	.9			5.5	929
	06-08	.2	13.9				13.9	5.5	.6			5.8	930
	09-11	.1	16.2				16.2	3.3	1.0			4.0	930
	12-14	.2	14.2		.1		14.2	1.7	1.1			2.6	930
	15-17	1.2	12.2				12.2	1.0	1.3			2.3	930
	18-20	.8	12.0				12.0	1.1	.9			1.9	930
	21-23	.3	11.2				11.2	1.4	1.0			2.4	930
TOTALS		.4	13.9		.0		13.9	2.6	.9			3.4	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF- WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 220
STATION

GALENA AFS AK

STATION NAME

73-82

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LAST	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		13.1	.1	2.0		15.1	2.8	.9			3.2	900
	03-05		14.8	.1	2.1		16.2	6.6	.9			7.1	900
	06-08		14.2		2.3		16.0	6.7	.3			6.8	900
	09-11	.3	14.4		2.3		16.6	4.1	.1		.1	4.3	900
	12-14		16.1		1.6		17.7	3.0				3.0	900
	15-17	.1	16.1		1.9		17.8	2.8				2.8	900
	18-20	.2	14.6		1.2		15.4	3.2	.1			3.3	900
	21-23		14.2		1.2		14.9	3.2	.6			3.6	900
TOTALS		.1	14.7	.0	1.6		16.2	4.1	.4		.0	4.3	7200

WEATHER CONDITIONS

301
MONTH

MONTH	HOURS OF DAY	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	00-01	.	3.9	.1	23.4	.	26.9	5.5	.	.9	.3	6.7	930
	03-05	.	2.6	.1	24.3	.	26.6	7.4	.	1.0	.3	9.7	930
	06-08	.	2.6	.1	24.3	.	26.9	10.3	.1	.1	.3	10.8	930
	09-11	.	2.7	.1	28.1	.	30.6	8.4	.	.4	.1	8.9	930
	12-14	.	1.9	.1	24.9	.	26.8	5.5	.	.9	.3	6.7	930
	15-17	.	2.6	.1	22.0	.	24.5	5.5	.	.3	.4	6.2	930
	18-20	.	2.6	.2	21.5	.	24.0	4.4	.	.3	.3	5.1	930
	21-23	.	3.1	.1	23.9	.	26.8	4.8	.1	.8	.3	6.0	930
		.				.							
		.				.							
		.				.							
		.				.							
TOTALS			2.6	.1	24.1		26.6	6.5	.0	.6	.3	7.4	7440

WEATHER CONDITIONS

43V
MONTI

[illegible]

WEATHER CONDITIONS

1	220	GALENA AFS AK	73-82	DEC
		STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

[illegible]

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

WEATHER CONDITIONS

7 220 GALENA AFS AK 73-82 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LIST	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	.3	18.6		18.9	12.0	.2	1.6		13.6	7440
FEB			.3	.4	14.5		15.0	8.8	.7	.6		9.4	6768
MAR			.2	.1	19.2		19.5	2.0	.3	.7		2.6	7440
APR			2.2		11.6		13.5	2.1	.3	.5		2.5	7200
MAY		.1	5.8		1.3	.0	6.9	.8	.0	.0		.8	7440
JUN		.4	12.1		.0		12.1	.6	.0			.7	7200
JUL		.4	12.4		.0		12.4	1.1	1.1			2.2	7440
AUG		.4	13.9		.0		13.9	2.6	.9			3.4	7439
SEP		.1	14.7	.0	1.8		16.2	4.1	.4		.0	4.3	7200
OCT			2.8	.1	24.1		26.6	6.5	.3	.6	.3	7.4	7440
NOV		.0	.9	.3	28.1		29.0	6.1	.1	2.6		8.7	7199
DEC			.5	.1	21.9		22.2	8.5	.2	1.2		9.6	7430
TOTALS		.1	5.5	.1	11.6	.0	17.2	4.6	.3	.7	.0	5.4	87636

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 WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXX WEATHER CONDITIONS XXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

7 220
STATION

GALENA AFS AK
STATION NAME

53-87

YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS PER DAY	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		5.6	4.7	55.5		56.4	35.5	1.6	6.2		40.3	899
FEB			6.5	5.3	54.6		55.4	31.6	2.2	6.5		36.1	819
MAR			4.9	.7	52.2		53.3	17.4	.7	5.9		21.7	899
APR			11.6	.6	45.1		50.1	15.5	.5	2.9		17.1	873
MAY		1.3	43.3	.2	11.1	.7	47.6	4.1	.4	.1		4.3	899
JUN		6.6	57.9		.9	1.1	58.1	4.7	3.2			7.8	897
JUL		5.1	59.1		.1	.1	59.1	12.9	7.2			18.7	930
AUG		3.1	65.7		.5	.1	65.7	21.7	2.0			22.4	930
SEP		.3	53.2	.2	12.9	.1	59.7	21.1	3.4	.3		22.7	930
OCT			19.0	3.2	59.7		68.3	29.1	.5	2.5	.1	30.6	930
NOV			6.1	3.6	70.9		71.6	26.8	.9	9.1		33.4	900
DEC			4.3	3.2	57.7		58.1	38.2	2.2	6.6		42.4	927
TOTALS		1.4	28.1	1.6	35.3	.2	58.4	21.5	2.1	3.3	.0	24.8	10800

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

Continued on Reverse Side

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

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

Air Force Stations:

Beginning thru 1945	at 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
 CHAFETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

7 2220 GALENA AFS AK 53-82
 STATION 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	2001-5000	OVER 5000			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	43.0	28.4	3.9	11.7	6.8	5.0	1.0	.2							28.6	897	.1	2.24	.14
FEB	44.9	23.8	5.7	12.2	5.4	6.0	1.3	.5	.1						31.3	819	.82	3.08	TRACE
MAR	45.6	23.4	6.1	12.7	6.0	4.9	1.1	.2							31.0	899	.68	2.03	TRACE
APR	49.4	21.6	6.0	9.0	7.2	5.7	.9	.1							19.0	870	.68	2.88	.01
MAY	52.0	25.3	3.8	9.9	3.3	4.0	1.6								22.7	896	.54	1.20	.05
JUN	41.7	23.3	5.6	10.8	6.3	7.7	3.4	1.0	.2						35.0	900	1.27	2.73	.10
JUL	40.9	16.5	5.8	11.3	7.6	10.1	5.8	2.0	.1						42.8	930	1.95	3.75	.69
AUG	34.2	17.8	5.3	12.4	9.6	12.7	5.4	2.5	.2						48.0	930	2.20	4.78	.50
SEP	40.2	19.3	5.9	13.4	6.1	9.9	3.7	1.3	.1						40.4	900	1.43	4.34	.13
OCT	31.6	30.3	6.1	14.9	6.9	6.8	2.7	.6							38.1	930	1.05	2.39	.24
NOV	27.6	30.1	7.0	15.7	8.9	8.7	1.8	.3							42.3	900	1.02	2.25	.08
DEC	41.3	24.6	7.0	12.7	8.2	4.3	1.6	.2							34.1	927	.73	1.43	.22
ANNUAL	41.0	23.7	5.7	12.2	6.9	7.1	2.5	.7	.1						35.3	10800	13.07		

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

70. 20 GALENA AFS AK
STATION STATION NAME

53-82

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53							1.17	.29	.75	.16	.20	.07	.09	
54		.09	.05	.11	.21	.05	.31	.68	.26	.34	.20	.15	.08	.68
55		.25	.07	.17	.09	.46	.15	.89	.31	.43	.34	.79	.28	.89
56		.31	.88	.56	.22	.19	.70	.40	.91	.34	.22	.31	.37	.91
57		.30	.37	.11	.09	.32	.07	.41	.53	.49	.34	.26	.09	.53
58		.26	.36	.19	.07	.18	.58	1.03	.49	.16	.47	.34	.20	1.03
59		.21	.24	.07	.07	.14	.11	.53	.64	.62	.27	.70	.23	.70
60		.28	.41	TRACE	.17	.12	.55	.40	.56	.56	.29	.28	.15	.56
61		.19	.16	.08	.42	.39	.37	.71	.22	.37	.67	.60	.32	.71
62		.31	.23	.21	.31	.21	.61	.86	.49	.97	.23	.20	.16	.97
63		.85	.33	.57	.23	.10	.68	.62	1.02	.15	.65	.03	.35	1.02
64		.20	.28	.44	.23	.11	.46	.61	.23	.17	.57	.17	.17	.61
65		.12	.22	.46	.59	.27	1.25	.45	.63	1.23	.26	.21	.17	1.25
66		.16	.42	.36	.23	.12	.31	.42	.26	.12	.16	.25	.12	.42
67		.06	.06	.12	.12	.09	.31	.89	1.55	.24	.29	.19	.54	1.55
68		.18	.22	.17	.11	.25	.10	.44	.22	.14	.09	.13	.17	.44
69		.19	.18	.09	.01	.16	.22	.33	.29	.06	.15	.09	.19	.33
70		.13	.07	.21	.08	.25	.46	.62	.96	.42	.47	.23	.54	.96
71		.29	1.08	.06	.22	.27	.66	.27	.51	.45	.26	.29	.16	1.08
72		.17	.05	.14	.23	.08	.44	.46	.46	.56	.58	.20	.27	.58
73		.41	.09	.21	.21	.34	.37	.84	.60	.34	.33	.24	.06	.84
74		.22	.15	.33	.09	.11	.53	.56	.77	.35	.64	.16	.06	.77
75		.08	.19	.08	.09	.38	.27	.33	.34	.53	.18	.13	.31	.53
76		.08	.28	.08	.16	.22	.17	.33	.12	.62	.40	.34	.08	.62
77		.24	.22	.17	.32	.11	.41	.43	.52	.40	.25	.22	.32	.52
78		.14	.01	.21	.24	.17	.68	.80	.28	.20	.33	.28	.28	.80
79		.21	TRACE	.25	.29	.18	.43	.58	.26	.18	.22	.42	.17	.58
80		.15	.54	.13	.05	.37	.22	.35	.24	.66	.08	.18	.38	.66
81		.14	.30	.03	.10	.46	.45	.63	.57	.30	.28	.28	.07	.63
82		.13	.39	.26	.19	.14	.37	.57	.42	.53	.10	.15	.30	.57
MEAN		.223	.281	.203	.194	.219	.447	.558	.514	.410	.317	.263	.221	.742
S.D.		.163	.269	.153	.120	.121	.275	.205	.306	.252	.169	.171	.132	.273
TOTAL OBS		899	819	899	870	896	900	930	930	900	930	900	927	10800

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

220 GALENA AFS AK

53-82

STATION

STATION NAME

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						2.21	.69	4.00	1.08	.34	.21	.34	
54	.26	.18	.35	.23	.06	.95	2.64	1.79	1.87	.42	.45	.44	9.66
55	.47	.22	.97	.55	.72	.36	1.96	1.25	1.66	.79	1.31	1.17	11.24
56	.94	2.12	1.13	.47	.53	.89	1.83	4.23	1.49	.99	1.17	.53	16.32
57	1.10	.85	.49	.17	.73	1.10	1.40	2.29	1.76	1.00	1.60	.49	11.78
58	.80	.21	.59	.11	.47	1.69	3.53	2.46	1.14	1.01	1.42	.38	13.81
59	.45	1.54	.29	.25	.48	.31	2.06	2.31	1.58	1.07	2.25	1.07	13.66
60	2.24	.66	TRACE	.40	.24	1.72	1.59	2.22	2.08	.65	1.58	.46	13.84
61	.60	.47	.15	2.88	1.03	1.20	2.14	.91	1.80	1.88	2.06	.96	16.09
62	1.09	.59	1.13	1.15	.83	1.36	1.60	2.66	2.29	.96	.57	.74	14.87
63	2.14	.74	2.03	1.59	.19	2.59	3.75	4.78	.33	2.39	.08	1.41	22.72
64	.62	3.08	1.84	1.30	.38	1.46	2.09	1.17	.62	1.70	.62	.31	15.39
65	.55	.89	1.54	1.63	.76	2.41	2.32	3.32	4.34	.57	1.21	1.21	20.75
66	.20	1.77	.72	.51	.44	.78	1.43	1.58	.52	.51	.99	.41	9.94
67	.22	.33	.85	1.11	.24	.97	3.56	4.70	.85	.58	1.05	1.43	15.09
68	.62	1.13	.59	.53	.66	.29	1.41	.92	.44	.29	.34	.70	7.92
69	.33	.28	.39	.01	.41	.51	1.46	.74	.10	.45	.43	.51	5.67
70	.19	.29	.68	.28	.55	1.08	2.33	3.77	.53	1.81	1.12	1.23	13.86
71	.77	2.99	.14	1.00	.45	1.42	1.86	1.92	1.07	1.39	.85	1.01	14.67
72	.36	.08	.50	1.21	.11	1.57	1.28	1.41	2.06	1.88	.58	.97	12.01
73	1.16	.26	.91	.36	1.20	1.29	1.73	3.19	.69	1.73	1.20	.72	13.94
74	.41	.21	.81	.19	.11	1.54	2.07	2.13	1.67	1.51	.57	.29	11.51
75	.31	.66	.31	.19	.99	1.40	1.15	1.29	2.42	.99	.34	.41	10.86
76	.29	.58	.28	.29	.56	.91	1.16	.50	1.75	1.07	2.00	.34	9.73
77	.65	.58	.52	1.00	.39	.95	1.38	1.56	2.92	.68	.60	1.03	12.26
78	.26	.04	.30	.61	.46	2.73	1.63	1.06	.56	1.06	1.15	1.37	11.23
79	.67	TRACE	.75	.78	.43	1.64	1.65	1.94	.78	1.13	2.11	.94	12.77
80	1.34	1.11	.46	.10	1.01	1.49	1.06	1.33	1.58	.37	.75	.62	11.22
81	.52	1.36	.78	.50	.78	1.42	2.72	2.97	.51	1.99	1.02	.31	14.18
82	.53	.45	1.02	.55	.40	.98	3.00	2.00	2.39	.41	.97	.52	13.26
MEAN	.702	.818	.883	.684	.544	1.274	1.944	2.200	1.429	1.054	1.020	.726	13.127
S.D.	.513	.810	.498	.617	.296	.656	.763	1.192	.916	.578	.585	.377	3.458
TOTAL OBS	879	814	894	870	896	900	930	930	900	930	900	927	10800

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

7 220 SILENA AFS AK
STATION

53-82

YEARS

PRECIP	NONE	TRACE	AMOUNTS (INCHES)										PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
			01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01.04	05.14	15.24	25.34	35.44	45.54	55.64	65.74	75.84	85.94					
SNOW DEPTH	NONE	TRACE	1	2	3	4.6	7.12	13.24	25.36	37.48	49.60	61.72					
JAN	43.9	27.4	12.5	11.1	3.3	1.2	.3	.1	.2				26.8	899	9.3	21.6	1.9
FEB	45.7	22.8	14.5	10.7	2.1	2.7	.9	.1	.4	.1			31.5	819	9.0	31.3	TRACE
MAR	45.1	22.8	15.1	10.6	3.6	.9	.6	.4					31.1	899	9.3	19.4	TRACE
APR	44.7	19.4	12.1	6.9	3.7	1.1	.8						26.6	870	5.9	27.7	.2
MAY	48.7	7.3	3.1	.7	.2								4.3	899	.5	2.9	.0
JUN	49.1	.8	.1										.1	900	TRACE	.1	.0
JUL	49.9	.1												930	TRACE	TRACE	.0
AUG	49.5	.5												930	TRACE	TRACE	.0
SEP	47.7	9.8	1.3	1.0	.2								2.6	900	.5	2.9	.0
OCT	40.2	28.9	14.4	9.8	3.4	1.9	.6	.4	.2				30.9	930	9.1	22.8	.8
NOV	24.3	29.0	18.6	15.6	5.7	1.6	.6	.4	.3				42.7	900	11.7	27.4	.8
DEC	41.4	23.0	17.5	13.2	2.4	1.2	.9	.5					35.6	927	8.9	21.1	3.1
ANNUAL	64.5	16.3	9.1	6.8	2.0	.9	.4	.2	.1	.3			19.5	10803	62.6		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOWFALL

70.220 GALENA AFS AK

53-82

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						.0	.0	.0	TRACE	2.2	1.1	1.2	
54	1.1	1.0	1.8	.1	.0	.0	.0	.0	.0	2.0	1.0	.8	2.0
55	2.8	.7	1.7	.9	TRACE	.0	.0	.0	TRACE	3.4	7.9	2.8	7.9
56	3.1	8.8	5.6	2.2	.0	.0	.0	.0	1.6	2.2	3.0	3.6	5.8
57	3.0	3.8	1.1	.7	.0	.0	.0	.0	1.1	3.4	2.6	.9	3.4
58	2.6	.6	1.9	.7	1.8	.0	.0	.0	1.0	4.7	3.4	2.0	4.7
59	2.0	2.4	.7	.7	.1	.0	.0	.0	.2	2.7	7.0	2.3	7.0
60	2.4	4.1	TRACE	1.5	TRACE	.0	.0	.0	TRACE	2.9	2.8	1.5	4.1
61	1.9	1.6	.8	4.2	TRACE	.0	.0	.0	TRACE	6.7	6.0	3.3	6.7
62	2.1	2.3	2.1	3.1	TRACE	.1	.0	TRACE	1.0	1.8	2.0	1.6	3.1
63	8.5	3.3	5.7	2.3	.3	TRACE	.0	.0	TRACE	4.3	.3	3.5	8.5
64	2.1	7.8	3.7	2.4	1.0	.0	.0	.0	.0	2.4	2.3	1.4	7.8
65	1.3	2.8	5.1	4.0	1.2	.0	.0	TRACE	TRACE	2.8	2.0	1.8	5.1
66	1.6	4.0	4.0	2.2	1.1	.0	.0	.0	.0	.2	3.1	1.2	4.0
67	.0	.7	1.5	1.1	.1	TRACE	.0	.0	.3	3.4	2.1	5.0	5.0
68	1.7	3.3	2.5	1.6	.1	.0	.0	.0	.1	1.3	2.4	4.5	4.5
69	1.9	3.4	2.3	.3	TRACE	TRACE	.0	TRACE	.0	.7	1.1	3.7	3.7
70	2.4	1.3	2.3	.8	TRACE	.0	.0	.0	.1	4.7	2.3	5.4	5.4
71	2.9	10.8	.8	2.2	.3	.0	.0	.0	TRACE	3.1	4.7	3.9	10.8
72	1.5	.5	3.1	4.4	TRACE	TRACE	.0	.0	1.0	2.0	2.7	3.7	4.4
73	3.8	1.3	3.6	2.1	TRACE	.0	.0	TRACE	.3	5.2	5.3	.7	5.3
74	6.8	2.3	5.1	1.2	TRACE	TRACE	.0	.0	TRACE	7.9	2.1	2.0	7.9
75	1.4	2.6	1.1	.9	2.1	.0	.0	.0	.2	2.2	1.8	5.0	5.0
76	2.0	3.5	1.1	2.6	.3	.0	TRACE	.0	TRACE	1.0	4.5	1.2	4.5
77	3.9	1.4	3.9	2.7	.1	.0	.0	.0	TRACE	2.5	2.2	3.2	3.9
78	1.4	.1	2.1	2.4	.0	.0	.0	.0	TRACE	4.0	2.4	4.9	4.9
79	2.7	TRACE	2.3	2.9	.0	.0	.0	.0	TRACE	2.0	4.3	1.7	4.3
80	5.5	5.4	1.3	.5	.0	.0	.0	.0	1.6	.6	1.8	3.6	5.5
81	1.4	3.5	.4	2.8	TRACE	.0	.0	.0	1.1	4.5	7.5	1.2	7.5
82	2.2	TRACE	2.9	.7	.4	.0	.0	.0	TRACE	1.4	2.4	2.1	2.9
MEAN	2.67	2.87	2.43	1.87	.31	.00	TRACE	TRACE	.32	2.94	3.14	2.68	5.40
S.D.	1.706	2.614	1.587	1.186	.568	.517	.000	.000	.517	1.753	1.939	1.465	2.023
TOTAL OBS	899	819	894	870	894	900	930	930	900	930	900	927	10803

NOTE - (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

2
GENERAL CLIMATOLOGY BRANCH
ALASKA
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

70 220 GALENA AFS AK
STATION NAME

53-82

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43							.0	.0	.0	TRACE	2.5	3.1	5.1	
44		3.4	3.0	7.1	.2	.0	.0	.0	.0	.0	4.7	2.9	4.4	25.7
45		5.0	2.2	9.7	5.5	TRACE	.0	.0	.0	TRACE	7.2	13.1	11.2	53.9
46		9.4	21.2	11.3	4.7	.0	.0	.0	.0	2.9	9.6	11.2	5.2	75.5
47		9.5	8.5	4.9	1.2	.0	.0	.0	.0	2.2	6.3	16.0	4.9	53.5
48		8.0	2.1	5.9	.9	2.7	.0	.0	.0	1.1	10.0	14.2	3.8	48.7
49		4.5	15.1	2.9	1.9	.3	.0	.0	.0	.2	9.6	22.5	10.7	67.7
50		21.6	6.6	TRACE	2.5	TRACE	.0	.0	.0	TRACE	4.2	15.8	4.6	55.3
51		4.5	4.7	1.5	27.7	TRACE	.0	.0	.0	TRACE	17.0	20.6	9.5	85.5
52		10.6	5.9	11.3	10.5	TRACE	.1	.0	TRACE	1.0	7.3	5.7	7.4	59.9
53		20.1	7.4	19.4	15.9	.4	TRACE	.0	.0	TRACE	13.5	.8	14.4	91.9
54		8.2	31.0	17.2	12.6	2.9	.0	.0	.0	.0	7.9	6.8	3.1	89.7
55		5.9	8.5	13.4	15.9	1.4	.0	.0	TRACE	TRACE	5.8	11.1	12.3	74.3
56		3.5	18.3	7.1	5.2	2.6	.0	.0	.0	.0	.8	11.9	4.5	53.9
57		1.9	3.3	8.2	8.7	.1	TRACE	.0	.0	.3	5.7	10.8	14.3	53.3
58		6.7	19.4	8.5	7.2	.1	.0	.0	.0	.2	2.9	6.9	14.1	66.3
59		9.1	6.1	10.6	.6	TRACE	TRACE	.0	TRACE	.0	1.9	6.5	9.3	44.1
60		3.7	4.8	7.8	2.7	TRACE	.0	.0	.0	.1	20.5	11.9	11.7	63.2
61		8.1	10.8	1.4	10.0	.4	.0	.0	.0	TRACE	19.0	19.0	21.1	109.8
62		5.1	.8	8.6	27.7	TRACE	TRACE	.0	.0	2.0	6.3	8.6	12.7	71.8
63		15.1	4.6	18.1	4.0	TRACE	.0	.0	TRACE	.5	21.6	21.0	3.1	87.9
64		10.1	4.6	12.9	2.5	TRACE	TRACE	.0	.0	TRACE	22.8	9.1	7.3	69.3
65		4.2	11.5	5.0	2.8	2.1	.0	.0	.0	.2	12.3	5.3	12.7	56.1
66		9.1	8.2	5.1	4.8	.6	.0	TRACE	.0	TRACE	5.6	27.4	5.7	66.5
67		9.1	3.8	8.2	9.0	.1	.0	.0	.0	TRACE	4.7	6.0	10.5	51.4
68		2.6	.4	3.0	2.8	.0	.0	.0	.0	TRACE	12.8	10.4	18.8	50.4
69		6.4	TRACE	6.1	3.0	.0	.0	.0	.0	TRACE	6.1	16.3	9.5	47.4
70		13.6	11.0	4.6	1.0	.0	.0	.0	.0	2.1	2.2	7.6	6.2	48.3
71		5.2	16.1	1.0	5.6	TRACE	.0	.0	.0	1.1	17.3	15.7	5.7	67.7
72		7.0	TRACE	12.6	3.4	.5	.0	.0	.0	TRACE	6.3	13.3	4.3	47.4
MEAN		7.87	8.96	8.08	6.91	.44	.00	TRACE	TRACE	.46	9.15	11.72	8.86	63.66
S.D.		4.752	8.442	5.068	7.193	.905	.017	.000	.000	.812	6.255	6.312	4.771	17.891
TOTAL OBS		849	819	899	870	899	900	930	930	900	930	900	927	10803

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-60-5 (OLA)

CENTRAL CLIMATOLOGY BRANCH
AFSTAC
AF WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPT
(FROM DAILY OBSERVATIONS)

70 220 GALENA AFS AK
STATION

53-82

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							26.7	56.1	15.2					100.0		899		
FEB							19.7	47.9	29.5	.4	1.7	.9		100.0		919		
MAR						.1	13.9	53.6	24.4	6.1	.4	1.9		100.0		899		
APR	4.1	1.5	3.1	3.0	2.0	9.0	23.3	37.9	12.6	3.7				94.6		870		
MAY	79.5	6.5	3.1	3.1	1.4	1.3	2.9	1.7	.4					14.0		899		
JUN	100.0															900		
JUL	100.0															930		
AUG	100.0															930		
SEP	58.1	1.5	.3	.2										.6		900		
OCT	43.5	9.5	9.0	10.2	3.9	16.4	8.0	1.5						47.0		930		
NOV	1.0	2.3	7.0	6.9	5.9	23.6	36.1	16.4						96.7		900		
DEC					.2	17.2	33.9	47.6	1.1					100.0		924		
ANNUAL	43.4	1.7	1.9	1.9	1.1	5.5	13.7	22.1	6.9	.4	.2	.2		54.4		10809		

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

SNO. DEPTH

FROM DAILY OBSERVATIONS

7 220 SILENA AFS AK
STATION

53-92

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						0	0	0	0	3	3	9	
54	10	11	15	13	TRACE	0	0	0	0	2	2	6	15
55	13	14	24	30	28	0	0	0	0	5	15	21	37
56	24	36	34	26	1	0	0	0	2	7	14	19	36
57	30	27	35	35	0	0	0	0	0	4	15	18	35
58	25	26	25	24		0	0	0	0	7	16	17	26
59	21	33	34	29	4	0	0	0	0	4	14	14	34
60	20	28	19	11	3	0	0	0	0	3	10	13	28
61	15	16	16	22	TRACE	0	0	0	0	6	14	13	22
62	15	18	22	14	15	0	0	0	TRACE	6	8	13	22
63	23	20	25	20	11	0	0	0	0	13	11	19	25
64	17	37	42	37	8	0	0	0	0	8	14	13	42
65	18	28	31	16	1	0	0	0	0	4	7	14	31
66	14	26	22	20	5	0	0	0	0	0	17	23	26
67	27	31	40	38	2	0	0	0	0	5	10	18	40
68	20	30	33	29	10	0	0	0	0	1	6	16	33
69	16	22	28	27		0	0	0	0	TRACE	6	12	28
70	14	12	11	7	0	0	0	0	0	6	18	24	24
71	31	63	64	46	19	0	0	0	0	8	21	27	64
72	19	13	21	42	28	0	0	0	1	3	8	13	42
73	19	20	33	24	3	0	0	0	TRACE	15	21	21	33
74	20	19	26	21	TRACE	0	0	0	0	16	17	18	24
75	16	25	23	22	1	0	0	0	0	9	13	23	25
76	27	31	26	24	13	0	0	0	0	4	13	14	31
77	10	11	14	17	3	0	0	0	0	4	8	12	17
78	11	11	10	9	0	0	0	0	0	9	15	10	30
79	30	32	20	15	0	0	0	0	0	3	14	12	32
80	14	24	15	15	0	0	0	0	0	1	5	7	24
81	11	25	25	16		0	0	0	TRACE	5	14	18	25
82	25	25	19	9	2	0	0	0	0	3	8	6	25
MEAN	19.7	24.6	6.0	22.8	5.7	.0	.0	.0	.2	5.6	11.9	16.0	30.1
S D	6.2671	.66810	.99510	.011	8.045	.000	.000	.000	.531	4.004	4.971	5.723	9.361
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	929	10805

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

2

1

63-82

YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						S	30S	27SW	25SW	30E	25ESE	31NW	23E	33
54		E	21ESE	25E	24SSW	25SSW	34NW	*22N	21SW	37SSW	32ESE	26E	27E	29
55		E	25ESE	22ESE	24N	33S	26SSW	29SE	24SSW	26NNE	26N	30S	45W	76
56		ESE	33SW	31NW	23E	22NNW	25WSW	25S	33SE	22SE	21N	27SW	32E	72
57		E	31ESE	28SW	35SW	33W	30W	24SW	30E	*22N	26E	32S	52E	75
58		E	26N	34SE	19E	35SSW	26SW	*2534/	25.8/	19.9/	2411/	25.7/	2724/	34
59		11/	2927/	38.9/	2610/	29.3/	3615/	2823/	2924/	40.3/	3020*	3212/	2210/	21
60		3/	2522/	4022/	3710/	32.3/	3135/	2723/	2723/	28.8/	2511/	4024/	4821/	63
61		9/	21.9/	24.8/	40.1/	3124*	26.2/	3820/	2730/	2021/	35.9/	3327/	33.8/	36
62		8/	33.2*	3011/	3032/	21.3/	3015/	3011/	2518/	2810/	2825/	3310/	33.3/	38
63		21/	3111/	29.2/	22.9/	2014/	2910/	2319/	3123/	2421/	3010/	2722/	4118/	50
64		9/	3110/	3014/	29.2/	19.3/	2123/	2410/	24.9/	24.8/	2610/	3219/	38.1/	28
65		22/	2918/	27.7/	25.7/	27.4/	2118/	2427/	2123/	3717/	3311/	3623/	37.8/	33
66		8/	21.9/	2619/	3136/	2036/	2213/	2420/	2617/	22.1/	2211/	2416/	20.2/	30
67		10/	3036/	2411/	3035/	2316/	2621/	22.6/	30.5/	2521*	3010*	26.2/	2218/	33
68		9/	2011/	22.4/	34.2/	26.5/	2522/	2818/	3233/	2919/	3010/	3011/	3410/	30
69		11/	34.1/	19.8/	3318/	3624/	28.4/	3013/	3011/	3210/	26.3/	2021/	3721/	40
70		9/	35.8/	29.9/	2715/	2612/	2919/	2621/	2617/	2929/	2411/	25.9/	2736*	23
71		8/	2810/	24.2/	22.2/	27.9/	2633/	3821/	34.6/	21.1/	2617/	25.9/	3211/	25
72		8/	33.8/	29.9/	3018/	2720/	2921/	35.7/	2622/	2018/	4123/	3111/	3520/	34
73														
74														
75														
76														
77														
78														
79														
80														
81														
82														
83														
84														
85														
86														
87														
88														
89														
90														
91														
92														
MEAN		26.1	27.8	28.5	26.9	27.0	27.9	26.9	27.0	28.2	29.3	33.8	33.7	42.9
S.D.		5.005	5.483	5.663	5.307	4.004	4.837	3.646	6.164	5.124	4.848	8.636	9.793	9.104
TOTAL OBS.		583	527	583	567	614	577	618	611	591	607	592	610	708

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 220 SALENA AFS AK STATION NAME 73-82 YEARS 1981
ALL WEATHER CLASS 0000-0000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	5.3	1.0	0.2								11.7	4.1
NNE	1.2	1.7	0.4	0.1								3.7	4.4
NE	0.4	0.3	0.1	0.1								1.5	4.7
ENE	0.4	0.3	0.4	0.3								1.5	7.1
E	1.2	1.5	2.2	2.9	0.9	0.1						3.7	10.0
ESE	0.5	1.8	4.3	3.7	0.3							10.6	9.5
SE	0.0	0.5	0.6	0.4								1.3	7.2
SSE	0.1	0.0	0.0	0.0								0.6	4.7
S	0.0	0.4	0.5	0.0								1.3	6.9
SSW	0.1	0.1	0.5	0.1								0.8	7.6
SW	0.2	0.3	0.0	0.1								0.8	4.7
WSW	0.4	0.0	0.0	0.1								0.5	5.0
W	1.1	0.0	0.1	0.1								2.6	3.8
WNW	0.2	0.0	0.0	0.0								0.3	4.7
NW	0.6	0.0	0.0	0.0								0.6	4.7
NNW	1.6	0.3	0.2	0.0								2.2	5.2
VARBL													
CALM												1.5	
	14.3	14.3	10.4	6.2	1.2	0.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

810

SEAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

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

SURFACE WINDS

2-225-1 STATION NAME SALENA AFS AK 73-92 YEARS 48N
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	5.4	5.8	.9	.5								12.0	4.1
NNE	.9	1.6	.9	.1								3.4	5.3
NE	.2	.2										.4	5.3
ENE	.1	.3	.2	.1								.8	7.0
E	1.6	1.8	1.7	3.8	1.0	.1						4.7	9.6
ESE	.5	2.6	4.0	2.9	.9							16.9	9.4
SE	.2	.9	1.0	.2								2.3	7.3
SSE		.2	.3	.1								.6	8.3
S	.2		.2									.4	5.5
SSW	.4	.4	.3	.1								1.3	5.3
SW		.2	.2	.3								.8	6.0
WSW		.2	.3	.1	.2							.9	10.9
W	3.5	.3										1.9	2.6
WNW	.2		.1									.3	4.3
NW	.4		.1									.5	3.4
NNW	1.7	.6	.1									2.0	3.6
VARB													
CALM												1.2	
	11.0	15.3	10.3	8.0	2.0	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 929

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

10-220 STATION NAME ALENA AFS AK YEARS 73-82 MONTH JAN
CLASS ALL WEATHER MONTHS (1-12) 0622-2623
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	5.4	5.7	1.3	.5								12.7	4.2
NNE	1.1	2.4	.3	.3								4.1	4.9
NE	.3	.1	.1	.1								.6	6.5
ENE	.3	.4	.2	.E								1.7	8.4
E	1.3	1.3	1.9	2.6	.6							7.7	9.5
ESE	.9	1.9	4.6	2.8	.2							12.4	4.1
SE	.5	.9	.8	.2								2.4	5.7
SSE			.4	.2								1.2	7.2
S	.1	.1	.4	.1								.3	8.4
SSW	.2	.2	.1	.1								.8	4.9
SW	.2	.5	.4	.2	.1							1.1	6.9
WSW	.2	.5	.3		.2							1.4	7.2
W	1.2	.4			.1							1.5	4.3
WNW	.2		.1									.3	4.7
NW	.4	.1	.1									.6	3.5
NNW	1.1	.6	.1									1.8	3.5
VARBL													
CALM												50.5	
	13.4	15.4	11.3	9.0	1.3							100.0	1.3

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

STATION 220 GALENA AFS AK STATION NAME 73-62 YEARS 1844
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	6.1	4.2	1.8	.3								12.5	4.2
NNE	1.5	1.5	1.0									4.4	4.6
NE			.1									.3	5.7
ENE	.3	.3	.3	.2	.1							1.3	7.8
E	1.5	.5	2.9	2.9	.9							8.7	10.0
ESE	.6	2.9	2.9	2.6	.3	.1						9.5	6.8
SE	.2	1.0	.5	.2								1.9	6.3
SSE	.4	.4	.3									1.2	4.7
S	.2	.1	.4	.1								.9	6.6
SSW	.1	.2	.1	.1	.2							.9	9.4
SW	.4	.1	.5									1.1	5.4
WSW	.4		.4	.2	.3							1.4	6.7
W	.9	.9										1.7	3.3
WNW	.2	.2	.1									1.1	3.3
NW	.2											.9	2.1
NNW	1.2	1.2	.1									2.5	3.4
VARBL													
CALM												49.9	
	15.7	14.1	11.6	1.7	1.8	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 00000 CALENA AFS AL STATION NAME 73-80 YEARS 1973-1980
CLASS ALL-FAATHER
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.5	6.1	1.6	.2								14.3	4.1
NNE	2.4	3.1	.6	.5								6.6	4.8
NE	.3	.2	.1	.1								.8	5.1
ENE	.2	.1			.1							.4	7.3
E	1.2	2.2	2.8	2.8	.8							9.6	6.1
ESE	.4	1.2	3.2	2.9	.6							8.4	10.8
SE	.7	.5	.6	.4								2.3	7.4
SSE	.1	.2	.2									.3	4.7
S	.2	.3	.1									.5	4.1
SSW	.1	.3		.2								.6	7.7
SW	.2	.4	.1	.4								1.2	7.7
WSW	.2	.4	.5	.4								1.6	8.2
W	.5	.8										1.3	3.3
WNW	.1	.1										.2	4.0
NW	.6											.6	2.0
NNW	1.4	.8										2.2	3.1
VARBL													
CALM												48.8	
	14.7	16.8	10.1	8.1	1.5							100.0	3.3

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

7-2225 STATION SALENA AFS AK STATION NAME 73-82 YEARS 1981
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 - 53	≥ 56	%	MEAN WIND SPEED
N	7.1	5.2	1.4	.5								14.2	4.1
NNE	2.7	3.9	.8	.7								7.6	4.6
NE	.5	.2										.5	2.6
ENE	.4	.5	.3	.4	.2							1.9	3.1
E	.6	1.2	2.3	1.6	.5							6.2	9.7
ESE	.2	1.6	3.0	3.3	.6	.1						9.9	10.4
SE	.3	.4	.6	.1	.1							2.3	6.3
SSE	.1	.3	.2		.1							.8	7.4
S	.1	.2	.3									.6	6.5
SSW	.1	.1		.2								.4	7.8
SW	.3	.2	.8	.1								1.4	6.8
WSW	.2	.2	.6									1.1	6.6
W	1.3	.4										1.7	2.8
WNW	.2											.2	2.5
NW	.2	.1										.3	3.3
NNW	1.1	.5	.2									1.9	3.7
VARBL													
CALM												49.8	
	15.8	15.3	10.5	6.9	3.6	.1						100.3	3.2

TOTAL NUMBER OF OBSERVATIONS 938

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

70-220 STATION NAME SALENA AFS AK STATION NAME 73-82 YEARS 73-74
ALL WEATHER CLASS 1970-1974
CONDITION

SPEED (KNTS) DIR.	1-3	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	1.1	.2								15.4	3.6
NNE	1.5	2.2	1.3	.2								5.3	4.0
NE	.4	.2										.6	2.2
ENE	.3	.2	.2	.2	.3							1.3	10.1
E	.6	1.2	2.6	2.7	.2							7.3	9.6
ESE	.6	1.5	2.6	3.8	.2							8.7	9.5
SE	.2	.5	.9	.4	.1							2.2	7.9
SSE	.2	.2	.6									1.1	6.8
S	.1	.1	.1									.3	5.3
SSW		.2		.1								.3	7.0
SW	.1	.3	.3	.3								1.1	7.9
WSW	.3		.5	.1								1.0	6.7
W	.8	.1	.1									1.0	3.0
WNW	.1	.3										.4	4.0
NW	1.1	.1										1.2	2.3
NNW	2.2	.8	.2									3.1	3.2
VARBL													
CALM												49.7	
	17.5	13.7	10.1	2.1	.9							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

222 GALENA AFS AK STATION NAME 73-82 YEARS 18%

ALL WEATHER

2130-2300

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	5.2	7.1	.9									13.1	4.2
NNE	1.7	1.8	.3	.2								4.1	4.6
NE	.1	.1	.2									.4	6.5
ENE	.1	.2	.3	.3								1.0	6.0
E	1.0	1.3	2.7	2.5	1.0	.3						8.1	10.5
ESE	.8	1.9	3.2	2.8	.1							8.8	6.9
SE	.4	1.2	.9	.6								2.7	7.2
SSE		.5	.3									.9	6.5
S	.9	.3	.3									1.1	4.7
SSW		.1	.1									.2	6.5
SW	.2	.3	.3		.2	.1						1.2	9.4
WSW	.3	.2	.3	.1								1.0	5.0
W	.6	.5	.1	.1								1.4	4.8
WNW													
NW	.6											.6	2.3
NNW	2.0	.6	.2									2.9	3.0
VARBL													
CALM												52.4	
	13.5	16.3	9.8	6.2	1.3	.4						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 70-22 VALERIA AFS AK STATION NAME 73-82 YEARS 1947-1957
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	6.1	5.6	1.2	.3								13.3	4.1
NNE	1.7	2.3	.7	.2								4.2	4.2
NE	.3	.2	.1	.5								.5	4.5
NNE	.3	.3	.3	.3	.1							1.2	4.2
E	1.1	1.4	2.4	2.6	.7	.1						8.3	9.7
ESE	.6	1.9	3.5	3.1	.4	.2						9.5	9.5
SE	.4	.6	.7	.3	.0							2.2	6.9
SSE	.1	.4	.3	.5	.0							.9	6.2
S	.2	.2	.3	.0								.1	6.1
SSW	.1	.2	.1	.1	.0							.7	6.8
SW	.2	.2	.3	.2	.0	.2						1.1	7.6
WSW	.3	.2	.4	.1	.1							1.1	7.6
W	1.0	.5	.0	.0	.0							1.6	3.5
WNW	.2	.1	.2									.4	3.6
NW	.6	.2	.0									.7	2.6
NNW	1.5	.7	.1									2.3	3.3
VARBL													
CALM												5.5	
	18.8	15.1	10.5	7.5	1.5	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7417

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION NAME GALENA AFS 84 YEARS 73-82 MONTH FEB
~~ALL~~ FAIRER ~~PLANS~~ 000-0200
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	5.7	3.1	0.6								14.5	4.0
NNE	1.1	1.7	0.7									3.7	4.4
NE	0.2											0.2	2.0
ENE	0.1	0.2	0.5									0.8	6.6
E	0.2	2.4	1.1	0.9	0.6							5.4	8.1
ESE	0.2	1.5	2.2	2.2	0.8							6.9	10.1
SE	0.5	0.6	0.1	0.2	0.1							1.5	6.5
SSE	0.2	0.1	0.1									0.5	4.5
S		0.2	0.1									0.4	6.0
SSW	0.4	0.1										0.5	3.3
SW	0.2	0.1										0.4	3.3
WSW	0.8	0.2										0.6	3.2
W	2.0	0.1		0.1								3.0	3.1
WNW	0.7	0.1	0.2	0.1								1.0	4.4
NW	1.1	0.2		0.2								1.5	4.0
NNW	1.2	0.9	0.1									2.2	3.2
VARBL													
CALM												56.7	
	14.5	14.7	8.0	4.5	1.5							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AL WEATHER SERVICE/MAC

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

SURFACE WINDS

15-225 STATION NAME WALINA AES AK YEARS 73-82 Feb
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	4.6	5.5	3.9	.4							13.0	5.1
NNE	.9	1.2	1.1	.2							3.4	5.6
NE	.1	.1									.2	3.0
ENE	.6	.1	.1								.8	3.7
E	1.1	.4	2.6	2.5							7.1	8.7
ESE	.1	1.2	1.8	2.2	.5						5.4	10.3
SE	.4	.7	.6	.2							1.9	6.5
SSE	.5	.1	.2								.8	4.1
S			.9								.4	9.3
SSW		.1									.1	5.0
SW	.2	.2									.5	3.3
WSW	.5	.9									.1	3.0
W	2.1	.9	.4								3.4	1.6
WNW	1.4	.4									1.8	2.3
NW	1.4	.9		.2	.1						2.1	4.5
NNW	1.4	.7									2.1	3.2
VARBL												
CALM											55.2	
	15.4	12.8	10.6	5.8	.6						130.3	2.7

TOTAL NUMBER OF OBSERVATIONS 886

JOINT CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 2-217 CALENA AFS AK STATION NAME 73-12 YEARS FEB
ALL WFAJ-142 6600-2A70
 CONDITION

SPEED (KNTS) DIR	1 - 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	2.0	.5								13.1	4.7
NNE	1.1	1.3	1.7	.1								4.6	5.7
NE													
ENE	.1	.1	.2									.5	6.8
E	1.1	.6	1.7	1.5								5.2	8.4
ESE	.2	1.3	1.5	2.6	.1							5.8	10.1
SE	.4	.3	.1	.6								2.3	7.0
SSE	.1	.1										.2	3.5
S	.4	.2	.1	.2								.9	6.4
SSW	.1		.2									.4	6.7
SW	.1	.4										.5	3.8
WSW	.7	.4	.1									1.2	1.3
W	1.3	1.2										2.5	3.5
WNW	1.1	.6	.4									2.3	3.9
NW	.4	.4	.1									.8	3.9
NNW	.7	.6										1.3	3.3
VARBL													
CALM												59.3	
	12.3	14.5	8.2	5.9	.1							100.0	2.5

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

7-220 STATION NAME SALENA AFS AK 73-82 YEARS FEB 1974
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	4.5	7.3	3.8	.1								15.7	5.0
NNE	.2	1.5	1.3									3.7	5.7
NE	.1	.2	.1									.5	4.8
ENE	.2	.1	.1									.3	5.0
E	1.2	1.7	1.3	2.4		.2						6.9	8.4
ESE	.7	1.4	2.5	1.9								5.5	8.5
SE	.4	.2	.4	.2								1.2	6.7
SSE	.2	.1	.1	.1								.5	5.0
S	.1	.2	.2	.4								.3	8.3
SSW		.1										.1	5.0
SW	.2	.4	.1									.7	4.2
WSW	.7	.4	.1									1.2	3.1
W	2.1	.2	.1									3.2	3.0
WNW	.7	.7										1.8	3.3
NW	.7	.4										1.1	3.1
NNW	.6	.8	.4	.1								1.9	4.8
VARBL													
CALM												54.1	
	13.5	16.5	10.8	5.2		.2						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 886

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 220 GALENA AFB AK STATION NAME 73-82 YEARS FEB MONTH
ALL FATHER CLASS 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	4.8	8.2	5.3	.0	.1							10.4	5.5
NNE	2.3	4.1	2.1	.2								9.5	5.1
NE	.6	.4	.1									1.1	3.7
ENE			.1	.1								.2	0.5
E	1.7	2.7	2.2	1.7	.4	.1						6.7	7.6
ESE	.7	1.1	1.9	1.4	.1							5.2	6.5
SE	.7	.5	.7									1.9	5.3
SSE	.4	.2		.1								.7	5.5
S	.5		.4	.1								1.1	6.7
SSW	.5			.1								.7	4.0
SW	.5	.6										1.1	3.7
WSW	1.4	.2	.2									1.8	3.1
W	2.2	.4	.1	.1								2.8	3.4
WNW	.6	.5	.4									1.4	4.0
NW	.7	1.1	.4									2.1	4.6
NNW	1.5	1.7	.4									3.5	3.8
VARBL													
CALM												38.7	
	20.0	21.5	14.3	4.8	.6	.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 646

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

SURFACE WINDS

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

STATION 222 SALENA AFS AK STATION NAME 73-82 YEARS FEF
CLASS ALL WEATHER MONTHS 1530-1700
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	3.6	10.6	4.6	1.1								25.1	5.0
NNE	3.2	2.5	2.4	.5								9.1	5.1
NE	.6	.2	.1									.8	3.1
ENE	.1	.1	.2	.2	.1							.8	1.1
E	1.5	1.5	2.1	1.4	.1							6.7	7.6
ESE	1.5	.8	2.5	1.9								6.7	6.0
SE	.2	.5	.6									2.1	4.4
SSE	.1	.1	.4									.6	6.8
S				.6								.6	12.2
SSW	.2	.1	.4									.7	5.8
SW	.2	.2	.2									1.4	3.6
WSW	.6	.4	.2									1.2	4.4
W	1.5	.5	.5									2.6	4.0
WNW	.5	.4	.1									1.1	3.4
NW	.5	1.1	.4									2.2	4.3
NNW	1.4	1.1	.2									4.7	3.0
VARBL													
CALM												33.3	
	25.8	23.8	18.9	5.7	.2							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 546

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

226 STATION SALENA AFS AK STATION NAME 73-82 YEARS 1922-1970
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	0.4	7.2	2.8	.6								17.3	4.0
NNE	1.5	1.8	2.2	.1								5.7	5.7
NE	.4											.4	2.3
ENE	.2	.5	.1	.2	.1							1.2	7.8
E	1.1	.9	2.7	2.1	.2							7.1	9.1
ESE	.7	.8	2.5	1.8	.1							5.0	8.8
SE	.6	.6	.1									1.5	3.3
SSE	.2	.5										.2	3.8
S	.1	.2										.4	3.7
SSW	.2		.1									.4	4.7
SW	.5		.1									.6	4.0
WSW	.5	.7										1.2	4.4
W	1.7	.2										1.9	2.0
WNW	.3	.4										1.2	3.1
NW	2.0			.2								2.2	2.7
NNW	1.9	1.2	.1	.1								3.3	3.8
VARBL													
CALM												49.4	
	12.0	15.0	10.9	5.2	.5							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 846

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 0226 NAME ALEPA AK STATION NAME 73-6 YEARS 56
ALL SEAS 2122-2300
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	N	MEAN WIND SPEED
N	5.2	5.9	2.7	.6	.1							14.6	5.0
NNE	1.1	1.4	1.2	.1								4.5	4.8
NE	.1	.1										.2	4.0
ENE	.2	.4	.2									.8	5.1
E	1.2	.7	1.4	2.1	.8							6.3	9.8
ESE	.6	1.7	1.9	2.1	.2							6.5	8.9
SE	.2	.4	.5	.1								1.2	6.3
SSE	.1											.2	6.5
S	.1	.1										.2	3.2
SSW	.1	.1										.2	3.5
SW	.5	.7										1.2	3.8
WSW	.6											.5	1.8
W	2.0	.5	.1									2.6	6.8
WNW	.4	.2										.4	3.3
NW	1.2	.1	.1	.2								1.7	4.4
NNW	1.2	1.4	.1									4.5	6.9
VARBL													
CALM												53.9	
	17.6	13.7	8.3	5.3	1.2							133.3	2.7

TOTAL NUMBER OF OBSERVATIONS 56

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-220 STATION NAME GALENA AFS AR YEARS 73-82 PERIOD PER
 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	5.5	7.0	3.5	.6	.0							16.7	5.0
NNE	1.3	2.0	1.6	.2								5.6	5.3
NE	.3	.1	.0									.4	1.4
ENE	.2	.2	.2	.1	.0							.7	1.7
E	1.2	1.4	1.9	1.9	.3	.0						6.7	2.6
ESE	.6	1.2	2.0	2.0	.2							6.1	2.2
SE	.5	.6	.4	.2	.0							1.7	1.7
SSE	.3	.2	.1	.0								.6	1.7
S	.2	.1	.1	.2								.6	1.7
SSW	.2	.1	.1	.0								.4	1.6
SW	.4	.3	.1									.8	1.7
WSW	.7	.3	.1									1.1	1.4
W	1.9	.7	.1	.0								2.7	3.3
WNW	.8	.4	.1	.0								1.4	3.6
NW	1.0	.4	.1	.1	.0							1.7	4.0
NNW	1.7	1.0	.2	.0								1.0	3.4
VARBL													
CALM												50.0	
	17.2	16.1	10.7	5.3	.6	.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 6760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 701220 SALENA AFB AA STATION NAME 73-82 YEARS 48
ALL WEATHER CLASS 0000-0000
CONDITION

SPEED (KNTS) DIR	1 - 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	6.9	2.0	.3							15.5	4.3
NNE	1.5	1.6	1.7	.1							4.9	5.3
NE	.2	.5	.3								1.1	5.2
ENE	.1	.1	.4	.1							.3	6.9
E	1.5	3.0	2.7	1.8	.3						9.4	7.6
ESE	.2	2.3	2.2	1.0	.2						5.5	7.9
SE	.4	.3	.6	.3							1.7	7.0
SSE	.1	.3	.1	.2							.8	7.6
S	.1	.1	.1	.2							.5	8.0
SSW				.1							.1	14.5
SW	.2	.3	.1	.1							.6	6.0
WSW	.5	.6	.4	.3							2.2	6.0
W	1.2	.5		.1							1.8	5.2
WNW	.9	.2									1.1	2.8
NW	1.2	.2									1.4	2.2
NNW	2.6	1.0	.1								3.7	2.9
VARBL												
CALM											43.6	
	17.2	18.1	10.9	4.7	.5						100.0	2.8

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

STATION 7-222 MALENA AFS AK STATION NAME 73-62 YEARS MAC
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	5.1	5.3	1.7	.3								12.4	4.4
NNE	1.0	.9	1.3	.5								3.7	6.6
NE	.3	.3	.1									.8	4.9
ENE	.7	.5	.1	.1								1.1	5.1
E	1.2	2.2	3.5	1.6	.7							8.7	7.7
ESE	.8	2.4	2.3	.8	.2							6.3	7.3
SE	.5	.4	.2	.3								1.5	6.5
SSE	.2	.4	.3	.3								1.3	7.3
S	.2		.1	.1								.5	6.4
SSW	.1		.2	.4								.8	10.9
SW	.3	.6	.1	.2								1.3	5.3
WSW	.3	.6	.3	.1								1.4	5.8
W	1.9	1.0										2.9	3.1
WNW	1.2	.2										1.4	2.3
NW	.9											.8	1.8
NNW	2.7	1.2										3.9	3.1
VARBL													
CALM												1.3	
	17.1	16.0	10.3	4.8	.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NO. 00220 STATION NAME MALENA AFS AK YEARS 73-82 MAP 4811
CLASS ALL WEATHER 0600-0600
CONDITION

SPEED (KNTS) DIR.	1 - 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	5.5	1.9	.6								13.1	4.7
NNE	1.5	1.4	1.5	.5	.1							5.1	6.4
NE	.2	.2	.2									.6	5.3
ENE	.2	.2	.5									1.0	6.7
E	.8	1.8	3.3	1.9	.6							8.5	9.2
ESE	.6	1.1	3.6	1.0	.1							6.4	7.8
SE	.7	.6	.5	.1								1.6	5.6
SSE	.1	.1	.3	.2								.8	7.7
S		.4		.2								.6	8.7
SSW	.1		.4	.3	.1							1.0	11.0
SW	.4	.2	.1	.2								1.0	5.9
WSW	.6	.5	.1	.3								1.6	5.7
W	1.9	1.1	.1									3.1	3.3
WNW	1.5	.3										1.8	2.5
NW	1.2	.2										1.8	2.3
NNW	1.7	.8	.2									2.7	3.3
VARBL													
CALM												49.7	
	16.4	14.5	12.9	5.5	1.0							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-222-1120 STATION NAME GALENA AFS AK 73-82 YEARS 163
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	4.3	0.7	1.7	.4								10.1	4.9
NNE	1.5	3.2	2.6	1.1	.1							8.4	6.0
NE	.3	.9	.2	.2	.2							1.9	7.4
ENE		.4	.3	.3								1.1	6.5
E	1.8	1.6	3.0	2.3	.3	.1						8.7	8.7
ESE	1.2	2.3	2.5	1.7	.1							7.7	7.8
SE	.5	.6	.6	.2								2.0	5.0
SSE	.2		.2	.1								.5	7.0
S	.3	.3	.4	.3	.1							1.6	6.2
SSW	.1	.1	.5	.4	.1							1.3	10.1
SW	.6	.5		.1								1.3	4.3
WSW	1.3	1.3	.2	.6								3.1	5.8
W	2.5	1.2	.1									3.8	2.0
WNW	.4	.2										.6	3.3
NW	.9	.8	.3									1.9	3.8
NNW	1.4	1.3	.3									3.0	4.1
VARBL													
CALM												37.3	
	16.7	24.8	13.0	7.8	1.0	.1						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 7220 GALENA AFS AK STATION NAME 73-82 YEARS 42
ALL WEATHER 1222-1400
 CLAS
 MONTH (YY)
 CONDITION

SPEED (KNTS) DIR.	1 - 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	12.8	4.1	1.0								21.9	5.3
NNE	2.4	5.6	5.1	1.7	.1							15.9	6.8
NE	1.2	.9	.6	.6	.2							3.2	7.5
ENE	.5	.2	.3	.3								1.8	6.7
E	1.1	3.9	4.5	2.5	.4	.1						12.4	8.2
ESE	1.2	1.3	2.0	1.7	.2							6.2	6.8
SE	1.2	.5	.4	.1								2.4	8.8
SSE	.2	.1	.3	.2								.9	7.8
S	.4	.2	.6	.5								1.8	8.0
SSW	.5	.3	.5									1.4	5.2
SW	.6	1.6	.9	.8								4.0	6.6
WSW	1.5	.6	.4	.3								2.9	4.5
W	1.7	.9	.1									2.7	3.8
WNW	.4	.4	.2									1.1	5.1
NW	.6	.9	.3									1.9	4.6
NNW	.9	1.7	1.7									4.3	5.8
VARBL													
CALM												15.6	
	20.0	31.3	22.3	9.8	1.0	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

76-220 STATION NAME GALENA AFS AK 73-82 YEARS 4.89
ALL WEATHER
CON OR

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.7	13.4	6.3	.6								26.6	5.3
NNE	4.2	7.7	6.3	2.7	.2							21.2	6.6
NE	.6	1.4	.6	1.0								3.7	7.4
ENE	.5	1.2	1.1	.2								3.3	6.0
E	1.0	2.5	4.7	2.6	.4							11.2	6.7
ESE	.5	1.3	1.5	1.2	.1							4.6	8.2
SE	.2	.3	.5									1.5	5.8
SSE	.2	.1	.3	.1	.1							.9	8.9
S	.2	.3	.8	.4								2.4	6.8
SSW	.6	.2	.1									1.3	3.1
SW	1.4	2.0	.8	.1								4.3	4.6
WSW	1.0	.6	.9	.2								2.7	5.1
W	1.3	.2	.3	.1								1.9	4.2
WNW	.3	.3	.1									.8	4.3
NW	.5	.2	.3	.1								1.2	4.9
NNW	.9	1.6	.9	.1								3.4	5.3
VARBL													
CALM												9.8	
	23.2	34.0	25.6	9.6	.9							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 220 GALENA AFS AK STATION NAME 73-82 YEARS 142
ALL WEATHER CLIM 1822-2220
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.5	11.2	3.5	.2								26.5	4.3
NNE	4.5	5.5	5.4	.6								16.3	5.6
NE	.3	.6	.3	.4								1.7	6.8
ENE	1.4	1.3	.6									3.3	4.4
E	.9	2.3	3.0	1.8	.1	.3						8.4	8.5
ESE	.9	.8	1.3	.6	.2							3.3	7.9
SE	.6	.6	.2	.2								1.7	5.0
SSE	.2	.9	.3									1.4	5.2
S	.5	.2	.2	.4								1.8	6.3
SSW	.2	.3	.2	.3								1.1	7.9
SW	.6	.8	.4	.1								1.9	5.3
WSW	.6	.1	.9									1.6	5.6
W	1.1											1.1	2.0
WNW	.6	.1										.8	2.1
NW	.5	.5										1.1	3.5
NNW	2.2	1.1										3.1	2.8
VARBL													
CALM												26.1	
	25.7	26.2	16.5	8.8	.3	.3						100.3	4.3

TOTAL NUMBER OF OBSERVATIONS 830

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

10-220 GALENA AFS AR STATION NAME 73-62 YEARS 1969
ALL WEATHER
2133-2336
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	9.5	8.0	2.0	.2								19.7	3.9
NNE	2.3	4.2	2.5	.3								10.3	5.0
NE	.3	.3	.6	.1								1.4	6.2
ENE	.3	.2	.2									1.2	4.0
E	1.4	3.4	2.9	1.7	.5							10.2	7.8
ESE	.9	1.5	2.2	.9	.1							5.6	7.2
SE	.2	.4	.3	.2								1.6	6.0
SSE	.1	.4	.4	.1								1.1	7.6
S	.2	.1	.2									.5	5.0
SSW	.1			.1								.2	7.0
SW	.5	.4	.1	.1								1.2	4.3
WSW	.8	1.1	.1	.2								2.2	4.8
W	.5	.1		.1								.6	4.4
WNW	.5											.6	2.4
NW	.8	.3										1.1	2.0
NNW	2.8	.8										3.6	2.7
VARBL													
CALM												39.7	
	22.3	21.7	11.6	4.3	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 200 MALENA AFS AK STATION NAME 73-80 YEARS 1973-1974
ALL WEATHER CLASS ALL MONTHLY

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.4	9.6	2.9	.5								18.8	4.7
NNE	2.5	3.8	3.3	1.0	.1							1.7	6.1
NE	.4	.6	.4	.3	.1							1.8	6.8
ENE	.2	.5	.5	.1								1.6	5.7
E	1.1	2.6	3.5	2.0	.4	.1						9.7	8.3
ESE	.3	1.6	2.2	1.1	.2							5.8	7.8
SE	.5	.6	.4	.2								1.8	5.7
SSE	.2	.3	.3	.2	.0							.9	7.2
S	.3	.2	.3	.3	.0							1.2	7.3
SSW	.2	.1	.3	.2	.0							.3	7.9
SW	.6	.8	.3	.2								2.3	5.8
WSW	.9	.7	.4	.3								2.2	5.8
W	1.5	.6	.1	.0								2.3	3.3
WNW	.7	.2	.0									1.0	3.0
NW	.9	.4	.1	.0								1.8	3.8
NNW	1.9	1.2	.9	.0								3.8	3.8
VARBL													
CALM												39.7	
	19.8	23.3	15.8	6.8	.7	.1						100.3	3.8

TOTAL NUMBER OF OBSERVATIONS

7438

CLIMATE CLIMATOLOGY RANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

70-222 ~~SALENA AFS AK~~ STATION NAME 73-82 YEARS 483
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	15.0	9.2	2.1									1.3	3.9
NNE	2.8	3.7	.8									7.2	4.0
NE	.4	.1	.1									.7	3.2
ENE	.6	.7	.6									2.3	4.6
E	1.7	1.8	2.1	.8	.7							6.6	6.7
ESE	1.7	1.2	.6	.1								3.6	4.2
SE	.7	.8	1.1	.1								2.7	5.8
SSE	.2	.6	.7	.3								2.0	7.3
S	.9	.2	.3	.6								2.3	6.0
SSW	.2	.6	.2	.1								1.1	6.7
SW		.7	.8	.3								1.4	7.8
WSW	.2	.6	.2	.1								1.1	6.0
W	.6	.3	.7									1.6	6.2
WNW	1.1	.2										1.3	2.6
NW	1.0	.3										1.3	2.3
NNW	2.7	1.3	.1									4.1	2.8
VARBL													
CALM												40.3	
	24.9	22.4	10.0	2.4	.2							170.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7220 CALENA AFS AK STATION NAME 73-82 YEARS 487 MONTHS (C.F.)
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	8.2	6.2	1.9									10.3	3.6
NNE	.2	2.1	.2									3.2	4.6
NE	.2	.1										.3	3.0
ENE	.4	.2										.7	2.8
E	2.2	2.3	2.0	.8	.1							7.4	6.0
ESE	1.2	1.9	1.4	.2								4.8	5.6
SE	1.0	1.2	.8									3.0	5.0
SSE	.1	.4	.3	.8								1.3	8.5
S	.6	1.1	.3	.8		.1						2.9	8.2
SSW	.6	.3	.1		.1							1.1	5.5
SW	.1	.2	.6									.9	6.9
WSW	.2	.3	.4									1.0	5.8
W	1.2	.7	.3	.1								2.3	4.2
WNW	.6	.8	.1									1.4	4.2
NW	1.8	.2	.1									2.1	2.5
NNW	2.4	1.0										3.4	2.6
VARBL													
CALM												47.7	
	21.8	19.2	8.7	2.3	.2	.1						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A - WEATHER SERVICE/MAC

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

SURFACE WINDS

10-220 STATION NAME SALENA AFS AK YEARS 73-82 APP 8630-0830
 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	7.4	8.4	2.6	.1								16.6	4.3
NNE	2.0	3.1	.9									6.0	4.2
NE	.3	.2										.6	2.8
ENE	.2	.4										.7	4.0
E	1.2	2.1	2.3	.4	.1							6.2	6.6
ESE	.7	2.7	1.8	.3								5.4	6.2
SE	1.1	1.4	.8	.2								3.6	5.3
SSE	.7	.6	.1	.1								1.4	4.2
S	.6	.7	.7	.7	.4							3.3	9.4
SSW		.3	.2									.4	4.7
SW	.1	.2	.9									1.2	7.4
WSW	.1	.3	.3	.1								.9	6.9
W	2.1	1.6	.2									3.9	3.4
WNW	1.7	.4										2.1	2.8
NW	1.4	.6										2.0	2.8
NNW	2.6	1.6	.2									4.3	3.4
VARBL													
CALM												39.3	
	22.4	24.7	11.0	2.0	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 73-225 SALENA AFB AK STATION NAME 73-82 YEARS 1973-1978
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	N	MEAN WIND SPEED
N	5.2	9.6	4.2	.6								12.3	5.2
NNE	3.2	5.2	2.4	.3								11.3	5.2
NE	.9	.9	.3	.1								2.1	4.9
ENE	.6	.4	.3	.1								1.4	5.2
E	1.2	2.3	2.9	.4								6.2	6.5
ESE	.7	1.1	2.9	.8	.1							5.6	7.7
SE	.9	1.4	1.3	.2								3.9	6.1
SSE	.3	.2	.4	.8								2.3	6.0
S	1.2	.7	1.4	.3								3.4	6.4
SSW	.7	.6	1.4	.2								2.2	6.5
SW	1.6	.9	1.1	.2								3.3	5.2
WSW	1.7	1.4	.6	.1								3.8	4.5
W	1.5	1.6										3.1	3.5
WNW	.4	.2										.7	2.8
NW	1.4	1.2	.4									3.1	4.0
NNW	2.0	4.4	1.1									7.6	4.9
VARBL													
CALM												19.1	
	22.6	32.8	21.2	4.2	.1							100.3	4.4

TOTAL NUMBER OF OBSERVATIONS 800

CENTRAL CLIMATOLOGY BRANCH
 AFMSTAC
 AIR WEATHER SERVICE /MAC

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

SURFACE WINDS

7-220 STATION NAME WALFORD AFB AK YEARS 73-82 68
 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	3.4	11.2	8.0	6.6								25.2	5.9
NNE	3.1	9.8	3.9	1.6								18.6	6.0
NE	2.9	1.4	7	1								3.1	5.4
ENE	7	1.3	2	1								2.3	4.6
E	4	2.1	2.2	9								5.7	7.4
ESE	7	1.3	1.9	4								4.2	7.1
SE	6	1.2	1.6	4								3.8	6.7
SSE	2	4	1.7	4								2.4	8.5
S	7	3	1.2	4								2.7	7.2
SSW	7	1.3	1.7	1								3.4	6.3
SW	7	8	8	3								2.8	6.3
WSW	1.2	1.2	1.3	2								3.8	5.8
W	1.2	1.7	2									3.1	4.1
WNW	4	4										0	3.3
NW	4	1.2	9									2.6	5.8
NNW	1.2	2.5	1.8									5.6	5.8
VARBL													
CALM												9.2	
	16.3	40.7	27.0	5.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

JOINT CLIMATE LOGIC BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 10-225 NAME ALEA AFS AK STATION NAME 73-82 YEARS 487 SOUTH
ALL WEATHER CLASS 1533-1700 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	4.1	12.6	10.2	.9								27.7	6.2
NNE	3.7	11.1	9.7	.9								25.3	6.2
NE	1.7	2.6	.9	.2								5.2	5.2
ENE	.7	.8	.6									2.2	4.8
E	.4	2.5	2.0	1.2								5.4	7.5
ESE	.7	.3	1.3	.1								2.4	6.4
SE	.7	.3	1.4	.7								2.3	8.4
SSE		1.1	1.1	.8								3.2	6.4
S	.6	.9	1.6	1.2								4.2	6.2
SSW	.6	.5	.9	.1								2.3	6.3
SW	.6	1.2	1.3	.4								3.3	6.9
WSW	1.1	1.2	.7	.1								3.1	5.0
W	1.1	.5	.2	.2								2.3	5.0
WNW	.4	.1										.6	3.0
NW	.1	.6	.1	.1								.9	5.8
NNW	.4	1.3	1.7	.3								4.2	6.7
VARBL													
CALM												5.3	
	14.0	37.9	33.7	7.1								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-225 STATION NAME GALENA AFS AK YEARS 73-82
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	6.3	12.6	5.9	.7								27.4	4.9
NNE	4.0	12.9	5.7	.2								23.6	5.3
NE	1.7	1.6	.9	.1								3.9	4.0
ENE	.6	1.4	.4	.1								2.6	5.5
E	.7	1.6	1.7	.4								4.6	6.7
ESE	.3	.8	1.7	.2								2.3	6.6
SE	.1	.9	1.0	.4								2.4	7.6
SSE	.8	.7	.7	.7								2.8	6.6
S	.6	1.1	1.2	.2								3.1	6.5
SSW	.4	.4	.8									1.7	5.9
SW	.9	.4	1.2	.3								2.9	6.4
WSW	.9	1.0	.4									2.3	4.6
W	1.0	.3	.1	.1								1.6	3.7
WNW	.2		.1									.3	4.3
NW	.7	.6	.2									1.4	4.3
NNW	1.4	2.2	.3									4.3	4.1
VARBL													
CALM												13.1	
	23.0	38.7	21.7	2.6								120.0	4.7

TOTAL NUMBER OF OBSERVATIONS 938

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

70-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS APR
ALL WEATHER CLASS 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	.9	12.8	3.2									24.9	4.4
NNE	4.9	6.9	1.3									13.1	4.2
NE	.2	1.2	.2									1.8	4.6
ENE	.5	.4	.2									1.2	4.8
E	1.2	1.1	1.6	.8								5.1	6.7
ESE	.9	.2	.9									1.9	5.6
SE	.6	.9	.9	.3								2.6	6.2
SSE	.7	1.3	.4	.3								2.8	5.2
S	.4	.6	.4	.3								2.3	6.8
SSW	.3	.6	.7									1.6	5.6
SW	.2	.9	1.1									2.2	6.5
WSW	.2	.6	.3									1.1	5.2
W	.9	.2	.1									1.2	3.0
WNW		.4	.1									.6	5.2
NW	.9	.8	.3									2.3	4.0
NNW	2.7	2.6	.2									5.8	3.8
VARBL													
CALM												30.6	
	23.3	32.3	12.0	1.8								100.3	3.3

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

STATION 7225 GALENA AFS AK STATION NAME 73-82 YEARS 1982
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	6.9	10.6	4.8	.3								22.6	4.9
NNE	3.1	6.8	3.1	.4								13.5	5.3
NE	.7	1.0	.4	.1								2.2	4.0
ENE	.6	.7	.3	.0								1.6	4.7
E	1.1	2.0	2.1	.7	.1							6.0	6.7
ESE	.3	1.2	1.5	.3	.0							3.0	6.3
SE	.7	1.0	1.1	.3								3.1	6.3
SSE	.4	.8	.7	.5								2.3	7.2
S	.7	.7	.9	.6	.1	.3						2.9	7.5
SSW	.5	.6	.7	.1	.0							1.9	6.0
SW	.5	.6	.9	.2								2.3	6.4
WSW	.7	.8	.5	.1								2.1	6.2
W	1.2	.9	.2	.1								2.4	4.0
WNW	.6	.3	.0									1.0	3.8
NW	1.0	.7	.3	.0								3.0	3.9
NNW	1.9	2.2	.7	.0								4.8	4.4
VARBL													
CALM												25.5	
	21.3	31.1	18.2	3.7	.1	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7225

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 7222 SALENA AFS AR STATION NAME 73-82 YEARS MAY
ALL WEATHER CLASS 0000-2400
CONDITION

SPEED (KNTS) DIR.	1 - 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	9.9	1.6	.1								16.4	4.1
NNE	4.2	4.7	.6									9.6	3.9
NE	1.1	1.2	.2									2.3	1.5
ENE	.9	.6										1.4	1.2
E	1.2	2.7	.6	.3								5.5	4.6
ESE	.9	1.2	.3	.1								2.5	4.7
SE	.9	1.2	.1									2.2	4.1
SSE	1.0	.2	.2	.1								2.2	4.3
S	.6	.9	.3	.2								1.9	5.5
SSW	.2	.1	.1									.5	4.8
SW	1.4	.9	.3									2.7	4.1
WSW	.5	.9	.5									1.8	4.6
W	1.6	1.1	.3	.1								3.1	4.3
WNW	.5	.3										.9	2.9
NW	1.1	.3										1.8	2.8
NNW	2.2	1.1	.1									3.3	3.0
VARBL												41.2	
CALM													
	25.2	27.1	5.5	1.0								120.3	2.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AFD WEATHER SERVICE/MAC

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

SURFACE WINDS

10-220 STATION NO. SALENA AFS AK STATION NAME 73-82 YEAR MAY
ALL WEATHER 0300-0600
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.2	7.9	1.7									15.9	3.9
NNE	2.5	3.0	.6									6.1	4.2
NE	.5	.8	.1									1.4	3.0
ENE	.3	.3	.2									.9	4.4
E	2.0	2.8	.3	.3								5.5	4.3
ESE	.9	1.5	.9	.3								3.6	5.7
SE	1.0	1.2	.2									2.4	4.1
SSE	.1	.3	.3	.2								1.0	6.0
S	.4	.8		.2								1.4	5.2
SSW	.5											.5	2.0
SW	.6	.5	.5									1.7	6.1
WSW	.9	.8	.9									2.2	5.3
W	1.6	.5	.3									2.5	3.5
WNW	.5	.1										.6	1.7
NW	1.1	.8	.1									1.6	3.1
NNW	3.0	.6	.2									3.9	2.8
VAP													
CALM												48.9	
	21.2	20.3	6.5	1.1								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 036

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7220 SALENA AFS AK STATION NAME 73-85 YEARS MAY
CLASS ALL WEATHER ROUTE 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	6.4	8.4	2.5									16.8	4.2
NNE	2.9	4.0	1.8	.3								9.2	4.9
NE	.4	.5	.4									1.4	5.2
ENE		.2	.1									.3	6.3
E	1.1	2.3	1.2	.6	.1							5.3	6.0
ESE	1.3	1.6	1.1	.4								4.4	5.7
SE	1.5	1.2	.8	.1								3.6	4.6
SSE	.3	.5	.6	.1								1.6	6.0
S	1.2	.5	.1	.8								2.5	6.1
SSW	.8	.3	.1		.1							1.3	4.6
SW	1.0	.8	1.2	.2	.1							3.2	6.3
WSW	1.5	1.4	.9	.3								4.1	5.1
W	1.5	1.2	.3									3.2	3.8
WNW	.0	.5	.1									1.4	3.8
NW	1.6	1.2	.2									3.2	3.6
NNW	1.8	2.0	.3									4.2	3.8
VARBL													
CALM												34.9	
	23.8	26.3	11.3	2.9	.3							100.3	3.1

TOTAL NUMBER OF OBSERVATIONS 979

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

75-222 SYSTEM PALENA AFS AK STATION NAME 73-82 YEARS 1971
~~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	3.4	6.9	2.9	.2								13.4	5.8
NNE	1.9	5.3	2.4	1.0								10.5	5.9
NE	.9	1.1	.6	.4								3.1	6.2
ENE	.7	1.0	.3									1.6	5.7
E	2.3	4.1	2.7	.4								9.5	5.7
ESE	2.0	2.2	1.5	.5								6.2	5.7
SE	1.5	.6	1.6	.2								4.0	5.6
SSE	1.3	.8	1.0	.6								3.7	6.4
S	1.6	1.0	.8	.8	.1							4.2	6.5
SSW	1.1	.5	.4									2.0	4.2
SW	1.6	1.6	1.2	.8								5.2	6.1
WSW	1.7	2.2	1.4	.1								5.4	5.0
W	2.4	2.6	.5	.1								5.6	4.2
WNW	1.7	1.6	.6									4.0	4.5
NW	1.5	1.0	.6									3.1	4.1
NNW	1.6	2.3	.5									4.4	4.4
VARBL													
CAI												14.1	
	26.2	34.5	19.2	5.2	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

STATION 220 CALENA AFS AK STATION NAME 73-82 YEARS MAY
ALL WEATHER CLIM 1222-1400
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	2.5	6.6	4.9	.9								14.8	6.3
NNE	1.1	3.4	4.5	1.2								10.5	6.9
NE	.4	.5	.5	.4								1.9	7.2
ENE	.9	.6	1.1	.3								2.9	6.3
E	1.5	4.1	3.5	1.1								10.3	6.8
ESE	1.0	1.4	2.7	.3								4.7	6.6
SE	1.4	1.2	.8	.3								4.3	5.1
SSE	.3	1.2	1.3	.6								3.9	6.8
S	1.2	1.5	1.3	.9								4.5	6.9
SSW	.4	1.4	.9	.2								3.2	5.8
SW	1.2	2.5	1.0	.8								5.1	5.8
WSW	.9	2.2	1.5	1.0								6.6	6.6
W	1.8	3.7	1.2	.2								6.7	4.6
WNW	1.1	2.5	.8									4.3	4.8
NW	1.2	2.2	1.0									4.1	5.3
NNW	.6	2.2	1.2									3.9	5.6
VARBL													
CALM												8.2	
	17.8	18.9	27.2	7.8								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

73-220 STATION 73-82 STATION NAME 73-82 YEARS 1502.7390
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	2.0	5.4	5.2	.4								13.0	6.2
NNE	1.4	6.1	3.3	2.0								12.8	6.4
NE	.5	1.4	1.9	.9	.1							5.2	7.3
ENE	.3	1.6	1.6	.2								3.8	6.5
E	.8	2.7	4.3	.9								8.6	7.3
ESE	.5	1.5	.6	.1								3.0	5.2
SE	.4	1.4	1.1	.3								3.2	6.4
SSE	.5	1.3	.6	.6								3.3	6.5
S	1.7	1.6	1.4	.5								5.3	5.9
SSW	1.4	1.5	.5	.3								3.8	4.0
SW	.9	1.7	1.4	.6								4.6	6.6
WSW	.9	2.6	1.7	.3								5.5	6.1
W	2.3	3.0	1.2	.2								6.7	4.0
WNW	.5	2.0	.6	.1								3.3	5.0
NW	1.8	1.9	1.8	.1								4.8	5.2
NNW	1.5	2.5	1.8	.1								5.5	5.6
VARBL													
CALM												7.6	
	17.8	38.2	28.8	7.8	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 222 SALENA AFS AK STATION NAME 73-82 YEARS MAY
CLASS ALL WEATHER 1877-2200
MONTH (C.Y.)
CONDITION

SPEED (KNTS) DIR	1 - 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	7.6	3.7	.5								16.5	5.2
NNE	3.3	5.6	4.2	1.2								14.3	6.5
NE	1.1	3.3	2.9	.2								7.5	6.2
ENE	1.0	2.2	1.1									4.1	4.9
E	1.2	4.3	1.5	.2								7.2	5.5
ESE	.2	1.6	.6	.3								2.8	6.1
SE	.6	1.0	.3									1.9	4.9
SSE	.2	.3	.2	.3								1.1	7.4
S	1.1	1.4	1.4	.3								4.2	5.9
SSW	.8	1.6	.3	.2								2.9	5.0
SW	.9	1.7	1.7	.9								4.7	6.2
WSW	1.1	1.9	1.5									4.4	5.5
W	1.1	2.2	1.3									5.3	4.6
WNW	.2	1.8	.2									2.8	4.5
NW	1.5	1.5	.9									3.9	4.6
NNW	1.4	3.2	1.1	.1								5.8	5.1
VARBL													
CALM												10.6	
	21.5	41.1	22.9	2.9								100.0	4.9

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

10-225 SALENA AFS AK STATION NAME 73-52 YEARS MAY
ALL WEATHER 21.23-23.90
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.2	6.4	1.2	.1								16.9	4.0
NNE	4.8	6.9	1.2									12.9	4.1
NE	2.0	3.1	.5									5.7	4.2
ENE	.6	1.1	.3									1.7	4.5
E	1.2	1.2	.5	.1								3.7	4.7
ESE	.5	1.2	.5	.1								2.4	5.4
SE	.6	.6	.1									1.4	4.8
SSE	.8	1.0	.4	.1								2.3	5.0
S	1.0	1.0	.2	.2								2.4	5.0
SSW	1.2	.1	.1									1.4	2.9
SW	1.7	1.3	.2	.3								3.6	4.4
WSW	.8	.8	.6	.1								2.3	5.2
W	1.4	.5	.2									2.2	3.5
WNW	.2	.5	.2									1.6	3.7
NW	1.5	1.0	.2									2.7	3.5
NNW	2.3	1.9	.2									4.4	3.7
VARBL													
CALM												12.4	
	28.5	31.1	6.9	1.1								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 020

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 222 GALENA AFS AR STATION NAME 73-85 YEARS MAY
 CLASS ALL WEATHER MONTH (1 & 2) 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	5.0	7.5	2.9	.3								15.7	4.6
NNE	2.3	4.9	2.3	.7								10.7	5.4
NE	.2	1.5	.9	.2	.0							3.6	5.7
ENE	.5	.0	.6	.1								2.1	5.4
E	1.5	3.1	1.6	.5	.0							6.9	5.9
ESE	.9	1.5	1.0	.3								3.7	5.7
SE	1.0	1.1	.6	.1								2.9	5.0
SSE	.6	.8	.6	.3								2.4	6.2
S	1.0	1.1	.7	.5	.0							3.3	6.0
SSW	.5	.7	.3	.1	.0							2.0	4.7
SW	1.1	1.4	.9	.3	.0							3.8	5.8
WSW	1.0	1.6	1.1	.2								4.0	5.6
W	1.2	1.3	.6	.1								4.8	4.8
WNW	.8	1.2	.3	.0								2.4	4.3
NW	1.0	1.2	.6	.0								3.1	4.3
NNW	1.8	2.0	.6	.0								4.4	4.8
VARBL													
CALM												24.7	
	23.1	32.3	16.0	3.8	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7437

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
ALL-WEATHER SERVICE/MAC

SURFACE WINDS

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

73-22 STATION NAME CALENA AFS AK 73-82 YEARS 1973-1974
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	3.0	3.4	.1									7.5	3.2
NNE	2.4	.3	.1									3.3	3.1
NE	.2	.3										.7	3.0
ENE	.7	.7										1.3	3.2
E	1.0	.9	.6	.1								2.4	4.6
ESE	1.9	2.1	.4	.2								4.7	4.5
SE	1.2	2.2	.4	.3								4.2	4.9
SSE	1.6	1.6	.4	.3								3.9	4.7
S	.0	2.1	1.0	.1								5.4	4.7
SSW	1.1	.0	.7	.1								2.4	5.1
SW	.3	2.7	1.2	1.3								7.6	6.0
WSW	1.1	2.7	.7	.3								5.2	4.9
W	1.9	2.4	.4									4.8	4.0
WNW	1.4	.7	.2									2.3	3.5
NW	1.4	1.0	.2									2.7	3.5
NNW	2.6	.6	.1									3.2	2.6
VARBL												18.8	
CALM													
	7.6	24.1	6.7	2.9								100.0	2.6

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

STATION 15222 SALINA AFB AK STATION NAME 73-75 YEARS 1954
CLASS ALL WEATHER MONTH 1954
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.6										5.4	3.3
NNE	1.2	.4										1.3	2.9
NE	.1	.3										.4	3.5
ENE	.1	.1										.2	2.5
E	1.2	.9	.1	.1								2.9	3.8
ESE	2.2	1.3	.6	.2								4.4	4.7
SE	2.4	2.1	.6	.6								5.7	4.7
SSE	1.2	1.2	1.4									3.7	5.2
S	2.7	2.1	1.1	.1								5.9	4.4
SSW	1.1	.6	.4	.1								2.2	4.5
SW	2.2	1.2	2.5	.2	.2							6.3	6.3
WSW	2.3	4.3	1.6	.4								9.1	5.2
W	.1	3.1	.9									6.1	4.8
WNW	1.2	.2	.1									1.7	2.9
NW	1.1	.3										1.4	2.9
NNW	1.7	.7										2.6	3.1
VARBL													
CALM												19.3	
	25.6	23.2	5.8	1.9	.2							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENT FREQUENCY OF WIND
BY DIRECTION AND SPEED
FROM () OBSERVATIONS

SURFACE WINDS

STATION NAME GALENA AFS AR YEAR 1960
DATE 10-10-60 TIME 0630-0630
LOCATION GALENA AFS AR

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	4.4	1.1									9.2	4.1
NNE	1.2	1.2	.2									2.7	3.0
NE	.3											.3	2.0
ENE	.3	.2	.1									.7	3.8
E	1.6	1.1	.6	.7								3.9	5.7
ESE	1.8	2.7	1.2	.1	.1							5.7	5.3
SE	1.6	2.6	.6	.3								5.0	5.1
SSE	1.6	2.1	.4	.3								4.8	5.1
S	.6	1.3	2.4	.2								4.8	6.7
SSW	.6	.9	.9	.2	.1							2.7	6.9
SW	1.3	3.3	1.8	1.8	.1							8.3	7.2
WSW	2.1	3.9	1.2	.6	.1							7.9	6.8
W	3.3	4.4	1.7									9.4	4.4
WNW	1.3	1.3	.6									3.7	3.8
NW	1.4	1.1	.1									2.7	3.7
NNW	2.1	1.4	.3	.1								4.2	4.0
VARBL													
CALM												23.9	
	25.9	32.4	13.0	4.3	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

70-220 STATION CALENA AFB AK STATION NAME 73-82 YEARS JULY 1967
ALL WEATHER CLASS 0977-1100 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	0.1	5.1	1.3									6.6	4.6
NNE	.3	1.4	1.2									3.2	6.1
NE	.7	.4	.2	.1								1.4	4.5
ENE	.7	.2	.1									1.2	3.4
E	2.2	2.3	1.8	.7								6.8	5.7
ESE	1.2	2.2	1.1	.1								4.7	5.6
SE	1.2	1.0	1.3	.1								3.4	6.0
SSE	1.1	1.1	1.1	.4								3.4	6.0
S	1.3	1.4	3.2	.9								7.3	7.0
SSW	1.0	2.0	1.3	.4								5.7	5.5
SW	2.5	3.2	3.3	1.4								10.6	6.6
WSW	1.4	2.2	2.4	.9								7.7	6.4
W	3.0	4.6	1.2									8.8	4.5
WNW	1.1	3.8	1.0									5.2	5.1
NW	1.1	2.0	1.1									4.2	4.8
NNW	.3	1.6	.7									2.6	5.3
VARBL													
CALM												14.5	
	22.4	35.4	22.6	5.1								100.3	4.8

TOTAL NUMBER OF OBSERVATIONS 888

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-2225 STATION NAME GALENA AFS AR 73-92 YEARS 1934-1936
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	4.1	2.7	.3								8.1	6.0
NNE	.5	1.7	1.0									3.2	5.6
NE	.7	.4	.2	.3								1.3	6.3
ENE	.4	.1	.2									.8	5.0
E	1.2	1.6	1.0	.6								5.2	5.5
ESE	1.4	2.1	.6	.1								4.2	4.5
SE	1.6	.9	.8	.8								4.2	6.3
SSE	1.7	.9	.9	.3								3.8	5.1
S	1.7	8.1	3.9	1.8								11.1	6.7
SSW	2.1	2.6	2.2	1.2								5.1	6.5
SW	.9	2.9	3.2	1.0								8.2	7.2
WSW	1.1	2.6	2.6	1.7	.1							8.2	7.8
W	2.9	8.8	2.6	.3								10.6	5.3
WNW	1.6	3.7	1.1	.1								6.4	5.1
NW	.4	2.6	1.1	.1								4.2	5.7
NNW	1.0	1.8	1.8	.1								4.3	5.8
VARBL													
CALM												9.2	
	27.3	36.7	25.8	8.8	.1							100.0	5.5

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

750220 STATION 73-82 YEARS 1520-1720
STATION NAME CLASS MONTH (L.P.P.)
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	N	MEAN WIND SPEED
N	1.9	4.4	3.4	.1								9.9	5.9
NNE	.2	1.8	1.1									3.7	5.1
NE	.4	1.1	.2									1.8	4.8
ENE	.2	.2										.4	3.3
E	1.3	1.5	1.0	.4								4.6	5.7
ESE	1.0	1.3	.4	.2								3.2	5.0
SE	1.1	1.1	1.1	.4								3.8	6.0
SSE	1.7	1.3	1.2	.1	.1							4.1	5.4
S	2.1	2.9	3.3	1.3								9.7	6.7
SSW	1.2	2.2	2.1	.6								5.9	6.6
SW	2.1	4.2	4.2	1.1								11.8	6.6
WSW	.7	2.7	3.8	1.2								8.3	7.8
W	2.1	4.4	2.3	.2								9.1	5.5
WNW	1.3	3.1	.6									5.8	6.8
NW	1.1	3.1	2.0									6.2	5.8
NNW	.3	2.4	1.1	.1								4.2	5.7
VARBL													
CALM												8.7	
	19.6	38.0	27.8	5.9	.1							120.0	6.4

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-225 STATION NAME SALINA AFB AK YEARS 73-82 100%
STATION ALL WEATHER 1830-2600
CONDITION 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	2.6	6.2	2.2	.1								11.1	4.9
NNE	.4	1.9	.7									3.0	5.4
NE	.9	.6	.4	.1								2.0	4.7
ENE	.6	.4	.2									1.2	4.0
E	.8	1.2	1.3									3.3	5.6
ESE	1.0	1.4	.4	.2								3.1	5.1
SE	.6	1.0	.4	.3								2.6	5.4
SSE	.7	1.4	.6	.8								3.1	6.1
S	2.2	3.3	2.4	.9	.1							9.0	6.4
SSW	1.9	2.3	1.3	1.1								6.7	6.4
SW	1.8	3.6	3.1	.8	.2							9.4	6.7
WSW	1.0	2.7	3.2	.7								7.6	6.7
W	1.2	3.2	1.4									5.9	6.1
WNW	1.7	2.1	.9	.1								4.4	4.9
NW	1.9	2.7	1.6	.1								6.2	5.1
NNW	1.4	3.7	1.4									5.9	5.1
VARBL													
CALM												15.4	
	20.8	37.1	21.8	8.9	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 70-222 SALENA AFS AK STATION NAME 73-62 YEARS JULY 1964
 CLASS ALL WEATHER HOURS (L.S.T.) 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	4.7	3.1	1.2									9.0	3.0
NNE	2.0	1.5										3.5	3.3
NE	.4	.6	.4									1.4	5.3
ENE	.7	.1										.8	2.3
E	1.2	1.0	.6	.2								3.0	4.9
ESE	1.2	1.6	.9	.2								3.9	5.1
SE	1.7	2.1	.6	.2								4.4	4.8
SSE	.8	1.2	.3	.2	.1							2.7	5.6
S	1.8	2.2	1.3	.3								5.7	5.2
SSW	2.4	1.1	1.1	.8	.1							5.6	5.7
SW	1.7	2.4	2.3	.9	.1							7.2	6.1
WSW	1.7	2.0	.9	.3								4.9	5.2
W	1.3	2.0	.7									4.2	4.8
WNW	1.3	1.3	1.0									3.7	4.6
NW	2.1	1.6										3.7	3.2
NNW	4.8	2.0	.4									7.2	3.1
VARBL													
CALM												9.1	
	29.8	26.2	11.8	2.8	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 900

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

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

SURFACE WINDS

7-225 STATION 77-82 YEARS 1951-1952
STATION NAME CALENA AFS AK
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	4.1	1.5	.1								3.7	4.5
NNE	1.1	1.4	.5									3.3	4.5
NE	.4	.5	.2	.1								1.2	4.7
ENE	.5	.3	.1									.8	1.5
E	1.4	2.3	.9	.3								4.0	5.3
ESE	1.5	1.2	.7	.2	.0							4.3	6.0
SE	1.4	1.6	.7	.8								4.1	5.3
SSE	1.2	1.4	.8	.3	.0							3.7	5.4
S	1.9	2.4	2.3	.7	.0							7.4	6.1
SSW	1.5	1.5	1.3	.6	.0							4.9	6.0
SW	1.8	3.0	2.6	1.0	.1							8.6	6.6
WSW	1.5	3.0	2.0	.8	.0							7.3	6.1
W	2.2	3.6	1.4	.1								7.3	4.8
WNW	1.5	2.7	.7	.0								4.2	4.5
NW	1.3	1.8	.8	.0								3.8	4.6
NNW	1.8	1.8	.7	.0								4.3	4.3
VARBL													
CALM												22.4	
	24.1	31.6	17.2	4.5	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 7109

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 73-27 SLENA AFS AK STATION NAME 73-82 YEARS Jul 1973-1974
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	3.3	.6										4.4	2.5
NNE	2.1	.2	.1									2.4	2.9
NE	.3	.2										.5	3.2
ENE	.5	.3										.9	3.1
E	1.4	1.1	.3									2.3	3.7
ESE	1.7	1.2	.4									2.9	4.1
SE	2.8	2.8	.9	.2								5.7	4.3
SSE	2.4	2.9	.4	.1								4.2	4.2
S	2.7	2.0	.9									5.8	4.1
SSW	1.7	1.2	.6	.1								3.9	4.4
SW	1.0	3.1	1.5	.3								6.3	5.1
WSW	1.4	3.7	1.6	.2								6.9	5.3
W	2.4	2.6	.5									5.5	3.8
WNW	2.2	.5										2.7	2.6
NW	.9	.3	.1									1.3	2.9
NNW	1.7	.5										2.3	2.7
VARBL													
CALM												36.8	
	30.0	23.3	6.9	1.0								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 932

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

70-225 STATION NAME DALENA AFS AK YEARS 73-82 1981
 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	2.7	1.3	.3									4.3	3.2
NNE	1.4	.4										1.6	2.7
NE	.4	.1										.5	2.2
ENE	.1	.2										.3	4.0
E	1.4	1.4	.4	.1								3.3	4.5
ESE	1.7	2.3	.3	.1								4.4	4.2
SE	2.2	3.4	1.0	.1	.1							6.8	4.7
SSE	2.2	2.3	.2	.1								5.5	3.8
S	3.4	2.0	.8	.1								6.7	3.9
SSW	1.0	.0	1.2	.1								3.1	5.6
SW	1.1	2.3	2.3	.7								5.9	6.2
WSW	1.4	2.5	1.5	.1								6.0	5.0
W	2.7	3.3	.1	.1								6.2	3.7
WNW	.9	.1										1.0	2.2
NW	1.1											1.3	2.1
NNW	.9	.1										1.0	2.2
VARBL													
CALM												41.8	
	26.2	22.6	8.1	1.2	.1							130.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

STATION 220 ALPHA AFS AK STATION NAME 73-82 YEARS JUL MONTH
CLASS ALL WEATHER HOURS (L & P) 0600-2000
CONDITION

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	2.6	2.6	.2									5.6
NNE	1.7	.3										2.5
NE	.4	.1										.5
ENE	.3		.1									.4
E	1.2	.0	.3	.1								2.5
ESE	2.6	2.2	2.4	.3	.1							7.5
SE	1.7	3.7	1.2									5.7
SSE	2.2	2.7	1.0	.2								6.2
S	1.8	1.6	1.5	.4								5.8
SSW	1.1	1.1	.0	.3								3.5
SW	2.4	1.2	2.7	.9								7.8
WSW	1.6	2.8	2.8	.2								7.6
W	1.3	2.5	.3									6.1
WNW	1.9	.9										2.8
NW	1.2	1.7	.1									2.3
NNW	1.1	.4	.1									2.2
VARBL												
CALM												72.3
	24.2	23.9	13.3	2.5	.1							100.0

TOTAL NUMBER OF OBSERVATIONS 810

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION NO. 220 STATION NAME SALENA AFS AK YEARS 73-82 1983-1983
ALL-FAIR
CONDITION

SPEED (KNTS) DIR.	1-3	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	.6									5.2	4.0
NNE	1.3	.4	.2									2.4	3.5
NE	.5	.3	.1									1.0	4.0
ENE	.1	.1										.4	2.5
E	2.2	1.5	1.3									4.9	4.6
ESE	1.1	2.5	1.7	.2	.1							5.7	6.0
SE	1.7	1.9	1.6	.3								5.6	5.5
SSE	1.7	2.1	1.7	.3								5.4	6.7
S	2.5	2.5	2.9	1.5	.1							8.9	6.4
SSW	.2	1.1	1.8	.1								4.6	6.0
SW	2.2	2.1	2.2	.9								6.0	6.2
WSW	1.3	3.1	2.6	.9								8.5	6.1
W	4.2	3.8	1.3	.1								9.4	4.2
WNW	2.1	1.6	.2	.1								4.2	4.1
NW	1.3	1.6	.2									3.1	4.1
NNW	1.6	1.4	.1									3.1	3.4
VARBL													
CALM												19.5	
	27.3	30.5	16.6	3.9	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

970

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 225 STATION NAME WILFSA AFB AK YEARS 73-82
CLASS ALL FEATHERED
HOURS 1000-1400
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	2.4	3.1	.5									6.0	4.2
NNE	.6	1.2	.4									2.3	4.5
NE	.4	.4	.1									1.0	4.2
ENE	.1	.0	.1									.8	3.4
E	1.1	2.5	1.6	.1								5.3	3.4
ESE	.2	1.2	1.3									3.3	3.9
SE	1.2	1.4	1.7	.3								5.6	5.6
SSE	1.4	2.3	1.5	.4								5.9	5.1
S	1.6	3.8	2.6	1.5	.2							9.7	7.1
SSW	1.7	1.9	2.0	1.0	.1							6.5	6.5
SW	1.5	2.6	4.1	1.0	.1							9.8	6.9
WSW	2.2	2.4	4.5	.8								10.2	6.5
W	4.4	3.2	1.1	.1								8.8	4.0
WNW	1.0	1.8	1.0									4.3	4.0
NW	1.1	3.1	.4	.1								4.6	4.7
NNW	.5	2.5	.4									3.8	4.9
VARBL													
CALM												12.7	
	3.7	34.1	23.8	5.3	.8							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

AL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAL

SURFACE WINDS

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

STATION NAME: 73-00 YEARS: 1952-1970
CONDITION: ALL-FAVOR

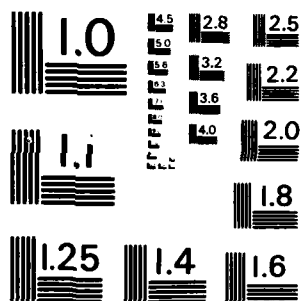
SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	1.2	4.6	1.1	.3								7.4	5.4
NNE	1.0	1.0	.4									3.0	4.0
NE	.1	.5	.3									1.0	5.0
ENE	.1	.3	.5									1.5	5.4
E	1.7	2.2	1.2	.1								5.2	5.1
ESE	1.1	2.4	.3									4.7	4.7
SE	1.4	2.2	1.3	.2								5.1	4.5
SSE	.2	1.7	1.9	.1								4.6	6.1
S	1.1	2.3	1.0	1.1	.1							7.7	7.1
SSW	1.2	2.4	2.4	.3	.1							6.3	6.5
SW	2.4	3.1	4.7	.8	.1							13.1	6.6
WSW	1.0	1.2	4.6	1.2								10.9	6.6
W	2.3	2.7	1.7	.3								7.0	5.1
WNW	2.7	2.7	1.2	.1								6.5	4.4
WV	1.3	1.1	.5	.2								5.9	4.6
NNW	1.2	1.7	.3									3.1	4.5
VARB													
CALM												10.8	
	22.6	35.8	6.0	4.5	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

AD-A134 211 GALENA AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 28 JUL 83
UNCLASSIFIED USAFETAC/DS-83/035 SBI-AD-E850 429 F/G 4/2

2/6

NL



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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

2225 STATION GALENA AFS AK STATION NAME 73-82 YEARS JUL 1974

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.7	.8									7.5	4.0
NNE	1.5	1.6	.6									3.8	4.2
NE	.5	.9	.3	.1								1.8	5.0
ENE	.6	.8	.4	.1								1.9	5.3
E	1.9	2.5	1.0	.1								5.5	4.7
ESE	1.2	1.9	.8	.1								4.0	4.8
SE	1.3	1.3	.9	.1								3.5	5.1
SSE	1.1	1.7	.6	.1								3.5	4.8
S	1.8	3.3	2.2	.6								8.0	5.8
SSW	1.0	2.3	1.4	.9	.1							5.6	7.0
SW	2.8	4.1	2.8	.9	.2							10.8	6.1
WSW	1.7	3.9	3.8	.5								9.9	6.3
W	1.1	2.6	1.1	.1								4.8	5.3
WNW	1.3	1.8	.3									3.8	4.3
NW	2.5	2.4	.5									5.4	3.9
NNW	2.0	3.1	.2									5.4	3.8
VARBL													
CALM												15.2	
	25.5	37.7	17.6	1.7	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

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

70-220 STATION GALENA AFS AK 73-82 YEARS 411
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	3.5	1.2	.2									4.9	2.9
NNE	2.4	1.4	.1									3.9	3.2
NE	1.2	.4										1.6	2.9
ENE	1.2											1.2	2.0
E	1.3	1.2	.3									2.8	3.9
ESE	1.2	1.4	1.2									3.8	5.1
SE	1.4	1.6	.3									3.3	3.9
SSE	2.0	2.4	.9	.2								5.5	4.6
S	3.1	3.3	1.6									8.1	4.6
SSW	2.3	2.7	.6									5.6	4.2
SW	2.6	3.2	1.5	.5								7.8	5.1
WSW	1.5	3.3	1.8	.2								6.9	5.8
W	1.6	1.6	.4	.1								3.8	4.2
WNW	2.0	.8	.1									2.9	3.3
NW	2.4	1.0	.1									3.4	2.9
NNW	2.7	1.4										4.1	2.9
VARBL													
CALM												30.4	
	32.8	26.9	9.2	1.1								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 12220 WALENA AFS AK STATION NAME 77-62 YEARS JUL
MONTH 1962
CLASS ALL WEATHER
HOUSE (L & T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.5	.5	.0								5.7	3.8
NNE	1.5	1.0	.2									2.7	3.6
NE	.5	.4	.1	.0								1.3	3.9
ENE	.5	.3	.2	.0								.9	4.2
E	1.5	1.6	.8	.1								4.1	4.6
ESE	1.4	1.9	1.1	.1	.0							4.5	5.2
SE	1.8	2.2	1.1	.2	.0							5.3	4.9
SSE	1.8	2.2	1.1	.2								5.3	5.0
S	2.4	2.6	1.9	.6	.1							7.5	5.7
SSW	1.4	1.8	1.4	.3	.0							4.9	5.8
SW	2.1	2.9	2.6	.7	.1							8.8	6.1
WSW	1.8	3.1	2.9	.5								8.8	6.0
W	2.7	2.8	.8	.1								6.5	4.2
WNW	1.8	1.3	.3	.0								3.5	3.8
NW	1.5	1.4	.3	.0								3.2	3.9
NNW	1.5	1.4	.1									3.1	3.6
VARBL													
CALM												25.1	
	27.0	29.4	15.4	2.9	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 7480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7-2225 STATION GALENA AFS AK STATION NAME 73-82 YEARS ALL
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	2.6	.5	.1									3.2	2.6
NNE	1.1	.1										1.2	2.5
NE	.6											.6	1.7
ENE	.9											.9	1.8
E	2.3	.8	.8	.6								8.8	5.2
ESE	2.5	2.9	1.4	.2								7.0	4.7
SE	2.4	2.0	.6									5.1	4.0
SSE	1.6	2.4	.2									4.2	4.0
S	2.0	1.6	.3									4.0	3.8
SSW	1.6	1.6		.1								3.3	3.8
SW	1.8	2.0	1.2	.6	.2							5.9	6.0
WSW	1.7	2.7	1.8									5.8	5.2
W	1.9	1.3	.2									3.8	4.0
WNW	.8	.1	.1									1.0	3.3
NW	.8	.5	.1									1.4	3.5
NNW	.8	.3										1.1	3.2
VARBL													
CALM												48.0	
	28.8	18.9	6.5	1.6	.2							100.0	2.2

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)

70220 STATION GALENA AFS AK STATION NAME 73-82 YEARS ALL WEATHER CLASS 0300-0500 HOUR (L.P.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	.5										2.8	2.6
NNE	1.1											1.1	2.0
NE	.5											.5	1.6
ENE	.5		.1									.5	3.2
E	1.0	1.3	.3	.3	.1							3.7	5.8
ESE	4.2	3.6	1.1	.4								9.3	4.4
SE	2.7	3.6	1.1	.2								7.5	4.5
SSE	2.4	2.5	1.1									5.9	4.3
S	2.7	.9	.5									4.1	3.5
SSW	.9	1.5	.3									2.7	4.2
SW	1.2	1.8	.9	.4	.1							4.4	6.1
WSW	1.3	3.0	.6	.3								5.3	5.1
W	2.2	1.3	.4									3.9	3.8
WNW	1.4	.2										1.6	2.5
NW	.4	.3										.8	3.1
NNW	1.7	.2	.1									2.7	2.6
VARBL													
CALM												44.5	
	26.4	20.7	6.6	1.7	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-2220 STATION NAME GALENA AFS AK 73-82 YEARS 416
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	3.7	.6	.1									4.4	2.5
NNE	1.6	.4										2.3	2.8
NE	.2											.2	2.0
ENE	.3	.2										.5	3.2
E	1.4	1.4	1.6	.2								4.6	5.7
ESE	2.9	3.9	1.6	.3								8.6	4.9
SE	3.3	3.1	1.3	.1								7.8	4.3
SSE	1.8	2.5	.4									4.7	4.1
S	2.2	1.5	1.3	.2								5.2	5.1
SSW	1.3	.6	.3	.1								2.4	4.0
SW	1.2	1.3	1.8	.6								5.5	6.5
WSW	1.7	3.7	1.2	.1								5.9	5.1
W	1.7	2.7	.3									4.7	4.0
WNW	1.3	.4										1.7	2.8
NW	1.2	.6	.2									2.0	3.5
NNW	1.9	.2										2.2	2.2
VARBL													
CALM												37.4	
	26.9	23.8	10.2	1.7								106.3	2.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

70-220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 4-16
ALL WEATHER CLAS 0000-1100
 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	3.7	3.4	.6									7.7	4.0
NNE	1.5	1.0										2.5	3.2
NE	.5	.3	.1									1.2	3.8
ENE	.3	.1	.1									.5	3.2
E	2.4	4.4	1.9	.8	.1							9.6	5.7
ESE	1.8	4.5	2.2	.4								8.9	5.6
SE	1.5	2.8	.8									5.1	4.4
SSE	1.3	1.5	1.7	.2								4.7	5.8
S	1.4	2.3	1.8	.4								5.9	5.9
SSW	1.8	1.2	.4	.2								3.7	4.5
SW	1.3	2.2	3.0	.4								6.9	6.6
WSW	1.6	2.9	2.4	.3								7.2	5.9
W	2.0	3.2	.9									6.1	4.5
WNW	1.7	2.2	.3									4.2	3.9
NW	2.2	1.3	.2									3.7	3.8
NNW	1.5	1.6	.2									3.3	3.8
VARBL													
CALM												19.0	
	26.6	38.8	16.7	2.8	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

75-222- STATION 73-82 YEARS 1200-1430
GALENA AFS AK STATION NAME CLASS HOURS (CITY)
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	2.0	3.8	.8									6.6	4.7
NNE	1.2	1.8	.6									3.7	5.0
NE	.5	1.0	.1									1.6	4.1
ENE	.4	.2	.4									1.1	4.7
E	2.6	4.0	2.5	.4								9.5	5.6
ESE	1.7	2.3	2.0	.2								6.2	5.6
SE	1.4	1.7	1.0									4.1	4.8
SSE	1.1	1.0	1.6	.3								4.0	6.4
S	2.0	2.2	3.7	.2								6.1	6.2
SSW	.9	2.5	.8	.5								4.6	5.8
SW	1.9	3.3	3.2	.4								8.9	5.9
WSW	2.5	3.4	2.4	1.0								9.2	5.8
W	2.9	3.4	1.4									7.7	4.5
WNW	1.4	2.3	.4									4.1	4.2
NW	1.2	.9	.8									2.8	4.7
NNW	1.7	2.3	.8									4.7	4.5
VARBL													
CALM												13.1	
	25.5	35.9	22.4	3.1								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFM WEATHER SERVICE/MAC

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

SURFACE WINDS

7-2220 STATION SALENA AFS AK STATION NAME 73-82 YEARS AUG 1987
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	3.5	3.1	.6									7.3	3.9
NNE	1.9	1.8	.4	.1								4.3	4.2
NE	.8	1.1	.2									2.0	4.1
ENE	.5	.3										.9	3.0
E	2.2	3.3	2.5	1.1								9.0	6.0
ESE	1.9	1.8	1.2									4.9	4.7
SE	.9	1.6	1.1	.2								3.6	5.5
SSE	1.0	1.6	1.3	.3								4.2	5.6
S	1.1	3.1	2.3	.3								6.8	6.1
SSW	1.1	3.0	1.4	.2								5.7	5.5
SW	1.6	3.0	4.1	1.0								9.7	6.9
WSW	1.1	2.9	2.6	1.2								7.7	7.0
W	1.6	2.4	1.2									5.2	4.7
WNW	2.7	2.3	.3									5.3	3.7
NW	1.4	3.5	.9									5.8	4.5
NNW	1.0	2.0	.5									3.5	4.6
VARBL													
CALM												13.9	
	24.2	37.0	20.5	4.8								100.0	4.6

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

70-220 SALENA AFS AK STATION NAME 73-82 YEARS 1966
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	5.2	1.0	.1									7.1	2.0
NNE	2.5	1.0	.3									4.6	3.5
NE	1.5	1.0	.1									2.6	3.5
ENE	.3	.2	.1									.6	3.7
E	1.6	2.2	1.4	.5								5.7	5.0
ESE	1.7	1.7	.4									3.9	4.1
SE	1.5	1.6	.4		.1							3.7	4.5
SSE	1.8	1.2	.5									3.5	3.7
S	2.5	2.2	1.3	.3								6.2	4.8
SSW	1.6	1.7	1.2	.3								4.8	5.2
SW	2.0	3.7	3.7	.3	.1							9.8	6.1
WSW	1.3	2.7	1.8	.4								6.2	5.0
W	.8	1.3	.3									2.4	4.6
WNW	2.4	.5	.1	.1								3.1	3.1
NW	1.8	.5	.4									2.8	3.7
NNW	3.3	1.0	.1									4.4	2.7
VARBL													
CALM												28.5	
	31.8	25.1	12.4	2.0	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

7-2220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 1973-1974
ALL WEATHER CLASS 2122-2320 HOURS (LTT)
CONDITION

SPEED (KNTS) DIR.	1 - 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	1.4	.2									5.2	2.9
NNE	3.3	1.1										4.4	2.7
NE	1.3	.3										1.6	2.7
ENE	.3	.5	.1									1.0	3.9
E	1.6	1.4	1.2	.2								4.4	4.8
ESE	1.5	2.2	.8	.3								4.7	5.3
SE	1.7	1.3	.2									3.2	3.5
SSE	2.4	2.4	.1									4.8	3.5
S	2.0	2.4	.2	.1								4.7	3.7
SSW	1.8	1.4	.9	.4	.1							4.6	5.6
SW	1.4	3.0	1.6	.6								6.7	5.7
WSW	.8	2.6	1.5									4.8	5.5
W	1.9	.6	.1	.1								2.8	3.5
WNW	1.1		.3									1.4	3.6
NW	1.5	.3										1.8	2.4
NNW	1.7	.8										2.5	2.9
VARBL													
CALM												41.3	
	28.0	21.6	7.2	1.8	.1							100.0	2.4

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

10-720 STATION NAME CALENA AFS AK STATION NAME 73-82 YEARS 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	3.3	1.0	.3									5.5	3.4
NNE	1.8	1.0	.2	.0								3.0	3.5
NE	.8	.5	.1									1.3	3.4
ENE	.5	.2	.1									.8	3.4
E	1.0	2.3	1.5	.5	.0							6.3	5.6
ESE	2.3	2.3	1.3	.2								6.7	4.9
SE	1.9	2.2	.8	.1	.0							5.3	4.4
SSE	1.7	1.9	.9	.1								4.5	4.6
S	2.0	2.0	1.4	.2								5.6	5.1
SSW	1.4	1.7	.7	.2	.0							4.0	5.0
SW	1.6	2.6	2.4	.6	.1							7.2	6.2
WSW	1.3	3.0	1.7	.4								6.5	5.6
W	1.9	2.0	.6	.0								4.5	4.3
WNW	1.6	1.0	.2	.0								2.8	3.6
NW	1.3	1.0	.3									2.6	3.9
NNW	1.7	1.0	.2									3.0	3.5
VARBL													
CALM												10.7	
	26.8	27.2	12.8	2.8	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7-220 STATION GALENA AFS AK STATION NAME 73-82 YEARS SEP MONTH 0000-0200 HOURS (L.P.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	3.8	7.0	1.0									11.8	4.2
NNE	2.7	2.9	1.1	.3								7.0	4.7
NE	.6	.1	.2									.2	3.6
ENE	.4	.6	.1									1.1	4.4
E	2.1	2.7	1.4	1.0								6.6	5.9
ESE	3.9	3.6	2.3	.6								10.3	5.0
SE	2.2	2.7	1.9									6.3	4.9
SSE	1.1	.9	.7	.1	.1							2.4	5.2
S	1.3	.9	1.2	.4								3.9	6.0
SSW	.7	.3	.7	.2								1.9	6.0
SW	1.2	.6	.2	.1								2.3	4.1
WSW	.7	1.7	.2									1.9	4.2
W	1.8	1.1	.8									3.7	4.1
WNW	1.4	1.1	.2									2.8	3.7
NW	.8	.3	.2									1.3	3.6
NNW	2.2	.7										2.9	2.8
VARBL													
CALM												32.3	
	26.9	25.9	12.3	2.8	.1							170.0	3.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

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

73-220 STATION 73-82
GALENA AFS AK STATION NAME YEARS
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	4.6	4.3	1.3									10.2	4.2
NNE	2.2	1.4	1.6	.1								5.7	5.0
NE	.6	.1										.7	2.5
ENE	.9	.3	.1									1.3	3.1
E	1.7	2.8	1.9	.9								7.2	6.1
ESE	2.7	3.9	2.3	.3								9.2	5.3
SE	1.1	2.6	1.0	.1								4.8	5.2
SSE	.4	1.8	.6	.1								2.9	5.7
S	1.4	1.3	1.3	.7								4.8	6.2
SSW	.2		.1	.2								.6	9.0
SW	1.1	.2		.2								1.6	4.3
WSW	.9	.8	1.1									2.8	5.2
W	2.4	1.4	1.0									4.9	4.0
WNW	.7	.4	.7									1.8	5.5
NW	.7	.6	.2									1.4	4.6
NNW	2.0	1.1	.1									3.2	3.2
VARBL													
CALM												37.3	
	23.6	23.4	13.3	2.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7 220 CALENA AFS AK STATION NAME 23-82 YEAR 56 MONTH 5
ALL WEATHER CLASS 0633-2200 HOURS (L.F.T.)
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	4.2	5.3	1.6	.4								12.1	4.4
NNE	1.1	2.1	1.6	.7								5.3	6.1
NE	.9	.7										1.6	2.8
ENE	.4	.2										.7	2.8
E	1.1	1.8	2.4	1.1								6.5	7.0
ESE	2.7	4.2	3.6	.2								10.7	5.5
SE	1.7	2.2	1.6	.3								5.8	5.5
SSE	.9	1.8	1.3	.1								4.1	5.6
S	.9	1.1	1.0	.6								3.8	6.6
SSW	.2	.4	.1	.3								1.1	7.6
SW	.7	.4										.8	4.0
WSW	.4	2.0	.7	.1								3.2	5.5
W	2.5	2.7	.6	.1								5.9	4.2
WNW	.2	.6	.6	.1	.1							2.2	5.7
NW	1.1	.6	.1									1.8	3.3
NNW	1.6	.9	.1									2.6	3.2
VARBL													
CALM												31.9	
	21.5	26.9	15.1	4.3	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

10-220 STATION GALENA AFS AK STATION NAME 73-62 YEARS 65-74
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	6.2	3.1	.6								14.7	5.1
NNE	1.9	2.4	1.8	.3								6.4	5.6
NE	.6	.3	.8	.1								1.8	6.5
ENE	.2		.1									.3	4.0
E	1.0	1.9	4.2	2.0								9.1	6.1
ESE	1.6	3.6	3.7	1.0								9.8	6.6
SE	1.4	1.6	2.4	.6								6.0	6.3
SSE	.4	1.9	.4	.4								3.2	6.5
S	1.1	1.1	1.9	.7								4.8	7.0
SSW	.7	.6	.2	.2	.2	.1						2.0	7.7
SW	.7	2.0	1.2	.4	.1							4.4	6.6
WSW	.2	1.4	1.4	.1								3.8	5.7
W	1.7	1.8	.7									4.1	4.2
WNW	1.1	1.1	.4	.1								2.8	5.1
NW	1.2	.9	.6									2.7	4.2
NNW	2.6	2.1	.2									4.9	3.6
VARBL													
CALM												19.2	
	21.7	28.9	23.2	6.6	.3	.1						100.0	4.8

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

STATION 7-220 SALENA AFS AK STATION NAME 73-82 YEARS SEP
CLASS ALL WEATHER MONTHS (L.S.Y.) 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	2.4	5.3	3.9	.3								12.0	5.7
NNE	1.4	2.3	3.2	1.3	.1							8.4	7.5
NE	.2	.7	.2	.7								1.8	6.3
ENE	.9	.6	.2									1.7	3.8
E	3.1	3.0	4.6	1.9								12.6	6.9
ESE	1.4	3.3	3.0	2.1	.1							10.3	7.7
SE	1.1	1.6	2.1	.2	.2							5.2	6.8
SSE		.9	2.0	.6	.2							3.7	8.8
S	.8	1.4	1.0	.9								4.1	7.3
SSW	1.1	.8	1.0	.6	.1	.1						3.7	7.3
SW	.7	.6	2.4	.7	.1	.1						4.6	8.4
WSW	.2	1.1	.7	.1	.1							2.8	5.9
W	1.0	3.3	1.3	.1								5.8	5.6
WNW	.9	1.9	1.0	.2								4.0	5.4
NW	1.7	1.6	.8									3.3	4.9
NNW	1.2	1.9	1.1	.1								4.3	5.2
VARBL													
CALM												12.1	
	18.1	30.2	28.6	9.8	1.0	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7-225 STATION NAME GALENA AFS AK YEARS 73-82 MONTH SEP
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	3.1	5.7	3.7	.6								13.0	5.5
NNE	1.8	2.6	3.9	1.0								9.2	6.8
NE	.6	.9	.9	.6								2.9	7.2
ENE	.9	1.4	.3	.1								2.7	4.6
E	1.8	4.0	4.8	1.3	.1							12.0	7.0
ESE	1.5	3.6	2.9	.9	.1							8.4	6.9
SE	1.7	1.6	1.2	.3								4.1	6.0
SSE	.7	1.6	1.3	.8	.1							4.4	7.4
S	.8	1.3	1.6	.7	.3							4.7	7.8
SSW	.3	1.7	.2	.7								2.9	7.1
SW	.3	1.4	1.2	.3		.1						3.9	6.9
WSW	.2	1.1	1.0	.3								2.7	6.9
W	1.1	1.3	.6	.2								3.2	5.1
WNW	1.1	1.2	.6	.2								3.1	5.2
NW	1.7	2.6	1.1									5.3	4.9
NNW	1.7	2.6	1.1	.1								5.4	4.9
VARBL													
CALM												12.3	
	18.3	34.4	26.3	8.1	.7	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

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

SURFACE WINDS

701220 STATION CALENA AFS AK STATION NAME 73-80 YEARS SEP 1993-2000 MONTHS (1 PY)
ALL-FAIRER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	5.2	1.9									11.8	4.2
NNE	4.9	4.2	2.7	.2								11.8	4.6
NE	1.0	1.1	.3	.1								2.6	4.8
ENE	1.6	.4	.3									2.3	3.6
E	1.3	4.0	2.2	.6								8.1	5.9
ESE	1.1	2.4	2.7	.7								6.9	6.5
SE	1.2	1.4	1.4	.3								4.4	5.9
SSE	.8	1.6	.9	.1	.1							3.4	6.2
S	1.6	2.2	1.6	.6								5.9	6.0
SSW	.9	.7	.6	.3								2.4	5.6
SW	1.2	1.1	.2	.1								2.7	4.3
WSW	.7	.9	.6	.2								2.3	5.6
W	1.2	.4	.3									2.0	3.9
WNW	.7	.9	.4	.1								2.1	4.9
NW	1.3	1.7	.2	.1								2.7	4.1
NNW	1.3	1.3	.4									3.1	4.1
VARBL													
CALM												25.4	
	25.4	28.8	16.8	3.4	.1							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)

7-2220 SALENA AFS AK STATION NAME 73-62 YEARS 56
~~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	5.0	6.3	1.1									12.4	4.1
NNE	2.4	4.7	2.1									9.2	4.0
NE	.7	.9										1.6	3.8
ENE	1.2	.4	.4									2.1	4.0
E	2.3	2.6	1.1	.4								6.1	5.4
ESE	1.4	2.6	2.6	.4								7.0	6.0
SE	1.7	2.2	1.8	.3								5.7	5.6
SSE	1.3	2.1	1.1	.2								4.6	5.2
S	2.3	1.2	1.1	.1								4.6	4.7
SSW	.9	.2	.2									1.2	4.0
SW	.9	.6	.4	.2								2.1	5.4
WSW	.4	.6	.7	.1								1.8	6.2
W	.7	1.1	.3									2.1	4.4
WNW	1.9	.9	.7	.1								3.6	4.3
NW	1.4	1.2										2.7	3.4
NNW	1.8	.7	.1									2.6	3.1
VARBL													
CALM												10.3	
	26.0	28.2	13.4	2.0								100.0	3.3

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

75-222 STATION NAME SALENA AFS AK 73-82 YEARS 66 MONTHS
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	4.1	5.7	2.2	.2								12.3	4.7
NNE	2.3	2.4	2.2	.5	.0							7.2	5.6
NE	.6	.6	.3	.2								1.7	5.6
ENE	.2	.5	.2	.0								1.5	3.9
E	1.8	2.8	2.8	1.2	.0							8.5	6.7
ESE	2.0	3.4	2.9	.8	.0							9.0	6.2
SE	1.4	2.0	1.6	.3	.0							5.3	5.7
SSE	.7	1.6	1.0	.3	.1							3.7	6.3
S	1.3	1.3	1.3	.6	.0							4.6	6.4
SSW	.6	.6	.4	.3	.0	.0						2.0	6.7
SW	.9	.9	.7	.3	.0	.0						2.8	6.1
WSW	.6	1.1	.8	.1	.0							2.7	6.7
W	1.6	1.7	.7	.1	.0							4.0	4.5
WNW	1.1	1.0	.6	.1	.0							2.8	5.0
NW	1.2	1.1	.4	.0								2.7	4.3
NNW	1.8	1.4	.8	.0								3.6	4.0
VARBL													
CALM												25.0	
	22.7	28.4	18.6	5.0	.3	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702220 GALENA AFS AK STATION NAME 73-82 YEARS ACT
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	6.9	9.1	2.5									18.5	4.3
NNE	2.8	5.2	1.9	.2								10.1	4.9
NE	.3	.4										.8	3.6
ENE	.9	.4	.1	.2								1.6	4.5
E	1.5	2.4	3.4	1.7	.5							9.6	8.0
ESE	1.7	2.8	2.7	1.8	.5	.1						8.9	8.3
SE	1.0	1.5	.3	.5								3.3	6.0
SSE	.4	.3	.3									1.1	5.8
S	.1	.1	.8	.2								.9	7.8
SSW	.2											.2	2.0
SW	.4	.2		.1	.1							.9	6.1
WSW	.4	.9	.8	.1								1.8	5.8
W	2.2	1.2	.2									3.5	3.5
WNW	1.4	.6	.1									2.2	3.4
NW	1.9	.6	.2									2.9	3.8
NNW	2.7	1.6	.1									4.4	2.9
VARBL													
CALM												29.5	
	24.1	27.8	12.8	4.9	1.2	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ADP WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 220 CALENA AFS AK STATION NAME 73-82 YEARS 0-7
ALL WEATHER CLASS 0323-0630
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.1	8.5	3.3	.2								19.1	4.4
NNE	2.5	2.2	2.3									7.2	4.9
NE	.6	.3										1.0	3.0
ENE	.3	.3	.3									1.0	5.0
E	.9	2.2	2.6	1.7	.8							8.3	4.9
ESE	2.2	2.3	2.6	1.6	.2							9.4	5.5
SE	1.0	1.2	1.1	.4								3.7	3.9
SSE	.5	.4	.2									1.2	4.1
S	.3	.2	.6	.1								1.3	6.8
SSW	.3											.3	2.3
SW	.3	.2		.3								.3	6.5
WSW	.4	.8	.1	.2								1.5	5.5
W	2.4	1.9	.3									4.6	3.4
WNW	.8	.2	.1									1.1	3.0
NW	1.5	1.0	.5									3.3	3.9
NNW	4.0	.9										4.8	2.7
VARBL													
CALM												31.7	
	25.4	23.0	14.3	4.6	1.0							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

10-220 STATION NAME GALENA AFS AX 73-82 YEARS MONTH 06
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	0.0	0.2	2.2	.1							19.2	4.0
NNE	1.6	2.2	2.0	.3							6.1	5.7
NE	.5	.3	.1								1.0	3.9
ENE	.4	.1	.1								.6	3.5
E	.6	1.2	2.6	2.0	.6						8.3	10.2
ESE	.9	2.6	3.8	2.3	.2						9.4	8.1
SE	1.4	1.2	.5								2.9	4.5
SSE	.5	.5	.3								1.4	4.0
S	.2	.3	.3	.2							1.1	7.1
SSW	.2	.1	.1	.1							.4	5.5
SW	.3		.3		.2						.9	8.9
WSW	1.1	.6	.5	.2							2.5	5.1
W	1.4	2.3	.4								4.1	4.1
WNW	1.8	.4	.2								2.5	2.8
NW	1.5	.5	.3								2.4	3.4
NNW	3.9	1.5	.3								5.7	3.1
VARBL												
CALM											31.9	
	25.3	21.8	13.8	6.1	1.1						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

STATION 2220 SALENA AFS AK STATION NAME 73-82 YEARS 361
ALL WEATHER MONTH 0000-1100
 CLASS HOURLY (1 P.P.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.4	7.6	3.4	.4								18.9	4.6
NNE	2.5	2.6	3.0	.9								9.2	6.2
NE	.1	.9	.1									.1	4.6
ENE	.2	.3										.5	4.2
E	1.1	1.5	3.3	3.7	.5							16.1	9.7
ESE	1.1	2.4	3.0	1.7	.4							8.6	8.3
SE	.8	1.4	.9	.2								1.2	5.6
SSE	.4	.5	.4									1.4	5.4
S		.5	.2	.2								1.3	7.4
SSW		.1	.4									.5	7.4
SW	.2	.1	.2	.1	.2	.1						1.0	11.6
WSW	.9	.6	.5	.2								1.8	6.4
W	1.3	2.0	.8									4.6	4.4
WNW	.9	.3	.2									1.3	4.0
NW	1.6	1.8	.2	.3								4.0	4.6
NNW	4.5	2.8	.1									7.8	3.3
VARBL													
CALM												75.3	
	23.0	25.8	16.9	7.7	1.2	.1						130.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY RANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

C-220 STATION SALENA AFS AM STATION NAME 73-82 YEARS 061
ALL WEATHER HOURS 1200-1430
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.1	10.8	5.8	1.0								23.7	5.4
NNE	1.9	5.2	4.0	1.2								12.3	6.3
NE	.5	.4	.5									1.5	5.0
ENE		.1	.3	.1	.1							.6	9.3
E	.9	2.6	2.4	4.1	.4	.1						10.4	9.5
ESE	1.1	2.9	3.2	1.6	.2	.1						9.1	7.8
SE	.3	.6	.9	.2								2.9	6.8
SSE	.1	.5	.3									1.0	6.2
S	.3	.2	.6	.2								1.4	7.5
SSW	.1	.5	.2	.2								1.1	7.0
SW	.3	.4	.3	.2	.2							1.5	5.3
WSW	1.2	1.5	.3	.1	.1							3.2	4.8
W	1.5	.9	1.1									3.4	4.7
WNW	.6	.4	1.0									2.0	5.7
NW	1.9	2.3	.9	.1								5.2	4.4
NNW	.3	2.7	1.8									6.8	4.7
VARBL													
CALM												14.7	
	19.2	32.0	23.7	9.0	1.1	.2						100.0	5.4

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 7-220 SALENA AFS AK STATION NAME 73-52 YEARS 061
CLASS ALL WEATHER MONTHS 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	7.1	10.1	4.6	.4								22.4	4.9
NNE	3.3	4.9	4.4	1.1								1.4	6.0
NE	1.3	.6	.5	.2								2.4	5.2
ENE	.2	.4	.4	.1								1.7	6.3
E	1.2	3.2	4.1	2.9	.2							11.4	8.4
ESE	.8	2.6	1.9	1.5	.1	.2						7.1	8.2
SE	.6	.6	.2	.5								2.3	6.7
SSE	.1	.1	.4	.1								.8	7.7
S	.2	.2	.4	.1	.1							1.1	8.1
SSW	.2	.4	.2	.3	.1							1.3	8.1
SW	.1	.2	.1									1.1	4.7
WSW	.2	1.3	.4	.2	.1							2.3	6.6
W	.8	1.2	.2	.1								2.3	5.0
WNW	1.2	1.4	.1									2.7	3.7
NW	2.2	1.4	.3									3.9	3.8
NNW	3.9	2.6	.9									7.3	3.7
VARBL													
CALM												17.2	
	22.7	32.3	19.4	7.6	.6	.2						100.3	4.5

TOTAL NUMBER OF OBSERVATIONS 910

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

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

SURFACE WINDS

7-220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 967
ALL WEATHER 1938-2000
CONDITION

SPEED (KNTS) DIR.	1 - 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	7.6	2.5	.3								19.5	4.1
NNE	2.2	4.4	1.9	.6								9.9	5.3
NE	.8	1.1	.4									2.3	4.7
ENE	1.0	.3	.6									2.4	4.7
E	.6	4.2	3.5	2.9	.3							11.6	8.2
ESE	.9	2.3	2.3	2.0	.1							7.5	8.2
SE	.7	.6		.3								1.3	6.6
SSE		.3										.3	4.7
S	.9	.5	.3	.1								1.8	4.8
SSW		.1		.2								.3	11.3
SW	.6	.3	.4	.1								1.5	5.5
WSW	.4	.2	.5	.2								1.7	6.8
W	1.3	.4	.5									2.3	3.7
WNW	1.4	.6	.4									2.5	4.0
NW	1.9	1.0	.1									3.0	3.0
NNW	3.0	2.5	.4									5.9	3.6
VARBL													
CALM												26.2	
	25.4	27.0	14.1	6.8	.4							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 933

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 063 MONTHS
ALL WEATHER CLASS 2120-2130 HOURS (C.F.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.8	9.5	2.4	.1								10.8	4.2
NNE	3.5	5.2	1.8	.2								10.8	4.7
NE	.7	.4										.8	3.0
ENE	.5	.5	.3	.1								1.5	5.3
E	1.7	2.2	3.0	3.2								9.4	8.7
ESE	1.1	3.4	1.9	2.2	.3	.1						9.4	6.0
SE	.9	.6	.3	.1	.3							1.4	5.1
SSE	.1	.4										.6	4.0
S	.5	.2	.4	.1								1.3	5.5
SSW	.1											.1	2.0
SW	.3	.4	.2	.1	.2							1.4	7.2
WSW	.4	.6	.3									1.4	4.8
W	1.2	1.4	.1									2.7	3.4
WNW	.6	1.1	.1									1.8	4.3
NW	1.4	.6	.1									2.6	3.0
NNW	2.6	1.6	.1									4.3	3.1
VARBL													
CALM												30.5	
	22.9	28.6	11.2	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

7-225 57700 GALENA AFS AX STATION NAME 73-82 YEARS 061
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	7.5	0.0	3.3	.3								20.2	4.5
NNE	2.6	4.0	2.7	.6								9.9	5.6
NE	.5	.6	.2	.0								1.3	4.4
ENE	.4	.4	.3	.1	.0							1.2	5.2
E	1.0	2.4	3.1	2.9	.4	.0						9.8	8.9
ESE	1.1	2.3	2.6	1.8	.3	.1						8.7	8.0
SE	.3	1.0	.5	.3								2.5	5.8
SSE	.1	.4	.3	.0								1.0	5.2
S	.2	.3	.4	.2	.0							1.2	6.7
SSW	.1	.2	.1	.1	.0							.5	6.8
SW	.3	.3	.2	.1	.1	.0						1.1	7.3
WSW	.6	.8	.4	.2	.0							2.0	5.6
W	1.6	1.4	.5	.0								3.4	4.0
WNW	1.1	.6	.3									2.0	3.8
NW	1.8	1.2	.3	.1								3.3	3.8
NNW	3.3	2.0	.5									5.8	3.5
VARBL													
CALM												25.9	
	23.5	27.2	15.8	6.6	.9	.1						100.8	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

73-220 STATION NAME SALENA AFS AK 73-62 YEARS 1954-1955
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	5.4	3.2	.4								14.2	4.9
NNE	1.4	1.9	.3	.1								3.6	4.4
NE	.1	.1	.1									.3	4.3
ENE	.1	.1										.2	3.5
E	1.3	1.8	1.4	1.4	.6							6.6	8.2
ESE	1.2	3.4	2.6	4.3	.4							12.0	4.7
SE	.3	1.2	.6	.9								3.0	7.7
SSE	.2	.3	1.0	.4	.1							2.1	9.1
S	.1	.7	.2	.3	.1							1.4	6.4
SSW	.6			.1	.1							.8	6.6
SW	.2		.6		.2	.1						1.1	10.8
WSW	.4	.2										.7	3.0
W	1.8	1.0		.2								3.0	3.7
WNW	1.7	.2										1.9	2.4
NW	.9	.2										1.1	2.5
NNW	2.2	.9	.1									3.2	3.1
VARBL													
CALM												44.6	
	17.4	17.9	1.1	8.3	1.6	.1						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

~~7-200~~ ~~SALENA AFS AK~~ STATION NAME ~~73-82~~ YEARS ~~NOV~~
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	5.0	3.0	.6								12.8	5.0
NNE	1.7	2.3	.9									4.9	4.6
NE	.1	.3	.1									.6	4.6
ENE	.1	.1										.2	4.0
E	1.8	1.1	2.4	2.9	.8							9.9	9.1
ESE	1.1	2.8	3.8	2.2	.8							10.7	8.6
SE	.7	1.0	1.3	.6								3.6	7.1
SSE	.4	.8	.3	.4								2.0	6.4
S	.2	.2	.7	.2								1.3	7.4
SSW		.1	.2	.2	.1	.1						.8	12.7
SW		.6	.2	.1	.3							1.2	10.1
WSW	.6	.4	.2									1.2	5.7
W	2.1	1.3										3.1	2.6
WNW	.8	.3										1.1	2.8
NW	.9	.6	.1									1.6	5.2
NNW	1.3	.6	.1									2.0	2.8
VARBL													
CALM												44.0	
	16.7	17.2	13.4	7.2	2.0	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

20-223 STATION NAME SALENA AFS AK STATION NAME 77-82 YEARS NOV 1981
ALL WEATHER CLASS 6633-3430 HOURS (L.P.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	4.6	2.1	.6								9.8	5.5
NNE	1.7	2.1	1.0									4.8	4.8
NE	.2	.2										.4	4.3
ENE	.6	.7	.1									1.3	4.1
E	1.6	1.4	2.2	2.4	.9							8.6	5.1
ESE	.7	1.7	4.0	2.3	.7							9.3	9.3
SE	.8	1.7	1.0	.7								4.1	7.0
SSE	.4	.2	.9	.1								1.7	6.1
S	.1	.3	.7	.6	.2							1.9	10.0
SSW	.1	.2	.2	.2	.2							1.0	10.7
SW	.4	.1	.9	.4								1.4	7.5
WSW	.3	.3	.4	.2								1.3	6.5
W	1.3	1.3										2.3	2.9
WNW	1.2	.4	.1									1.8	2.9
NW	1.3	.2										1.6	2.4
NNW	1.6	.8	.2									2.6	3.3
VARBL													
CALM												46.1	
	18.7	16.0	13.8	7.8	2.0							120.0	3.6

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 225 ALENA AFS AK STATION NAME 72-82 YEARS 404
ALL WEATHER CLASS 0000-1130
CONDITION

SPEED (KNTS) DIR.	1 - 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	2.1	.1								12.3	4.4
NNE	2.6	1.8	.9	.3								5.6	4.8
NE	.3	.1	.1	.2								.8	6.4
ENE	.2	.4			.1							.8	6.0
E	1.6	1.2	1.3	1.3	.6							6.3	7.8
ESE	.9	1.7	4.8	4.4	.7							12.6	6.8
SE	.2	1.4	.8	.6								3.6	6.2
SSE	.6	.3	.4	.1								1.4	5.2
S	.6	.2	.6	.2	.3							1.9	6.6
SSW	.3	.4		.2	.3	.1						1.4	16.0
SW	.4	.3	.1	.2	.1		.1					1.3	6.7
WSW	.1	.6	.1									.8	4.6
W	1.7	.9	.1									2.7	5.2
WNW	1.4	.4										1.9	2.5
NW	1.9	.1										2.0	2.0
NNW	1.5	1.2	.1									3.1	3.4
VARBL													
CALM												41.9	
	20.2	16.2	11.5	7.8	2.1	.1	.1					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7-200 SALENA AFS AK STATION NAME 73-82 YEARS NOV
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	7.3	6.3	2.6	.1								16.3	4.2
NNE	2.3	3.7	.8	.2								7.0	4.6
NE	.3	.4		.1								.8	4.0
ENE	.1		.1									.2	5.5
E	1.3	1.2	2.2	1.7	.4							6.8	7.8
ESE	.4	1.5	3.7	4.4	.8	.1						11.2	10.5
SE	.4	1.3	.8	.8								3.3	7.3
SSE		.7	.3	.3								1.3	6.0
S	.4	.7	.7	.2								2.0	6.1
SSW	.3	.4		.3	.3							1.4	10.1
SW	.7	.1	.1	.1	.2	.2						1.4	10.0
WSW	1.2	.7	.1									2.0	3.4
W	2.7	1.0										3.0	2.7
WNW	.8	.2		.1								1.1	3.7
NW	.7	.1	.1									.9	2.8
NNW	2.2	1.6	.4									4.2	3.6
VARBL													
CALM												16.8	
	20.7	20.8	11.9	7.8	1.8	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

U.S. PAL CLIMA LOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 16-220 GALENA AFS AK STATION NAME 73-02 YEARS 1954
ALL WEATHER CLASS 1633-1730 HOURS (EST)
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	5.0	7.2	2.6	.6								15.3	4.9
NNE	1.4	2.6	.4	.2								4.7	4.6
NE	.4	.2	.1									.8	4.0
ENE	.2		.2									.4	4.3
E	1.1	1.6	2.1	1.8	.3							6.9	6.5
ESE	.8	2.1	4.0	2.6	.9	.2						10.6	9.9
SE	.0	1.3	1.4	.7								3.7	7.6
SSE	.2	.3	.2	.4	.1							1.8	7.9
S	.2	.7	.8	.2								1.9	7.1
SSW		.3	.1	.3								.8	10.0
SW	.6	.1	.2	.3								1.2	6.9
WSW	.8	.3		.1	.1							1.3	4.8
W	2.0	.2	.1									2.3	2.8
WNW	.8	.1	.1	.1								1.1	4.2
NW	1.0	.3										1.3	2.3
NNW	2.2	.8	.1	.1								3.2	3.1
VARBL													
CALM												42.7	
	17.0	18.7	12.6	7.4	1.4	.2						130.0	3.7

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 220 MALENA AFS AK STATION NAME 73-82 YEARS NGM
CLASS ALL WEATHER MONTHS 1800-2200
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	4.7	7.2	2.8	.4								15.1	4.9
NNE	.2	2.4	.3									3.7	4.5
NE	.3											.3	3.0
ENE	.3	.2		.2								.8	6.3
E	.2	2.4	1.7	2.0	.6							7.6	6.8
ESE	.7	2.4	3.2	2.4	.9	.2						9.9	9.7
SE	.5	.9	1.2	.7								3.6	7.3
SSE		.4	.2	.6								1.2	10.2
S	.7	1.4	.9	.2								2.9	6.3
SSW	.1	.1	.1									.3	5.7
SW	.7	.2		.1								.7	4.8
WSW	.6	.2	.1									1.1	3.6
W	1.7	.2	.2	.1								2.2	3.2
WNW	1.1	.4										1.6	3.1
NW	.4	.2	.1									.8	3.8
NNW	1.1	.9	.1									2.1	3.6
VARBL													
CALM												46.2	
	14.5	19.9	11.0	6.8	1.4	.2						120.3	7.5

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

70-220 ~~STATION~~ PALENA AFS AK STATION NAME 73-82 YEARS NOV
ALL WEATHER 2100-2100
CLASS HOURLY (C.F.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	4.6	6.7	3.0	.1								14.3	4.8
NNE	1.2	2.0	.6	.1								3.9	4.5
NE	.3											.3	2.0
ENE	.7		.1									.8	2.9
E	.8	2.2	1.6	1.4	.7	.1						6.8	9.0
ESE	.7	2.8	2.9	3.4	.7	.1						10.6	9.5
SE	.6	1.9	.6	.2								3.2	5.0
SSE	.2	.3	.2	.3								1.1	7.6
S	.3	.3	.7	.7	.1							2.1	9.0
SSW	.4	.7	.1									1.2	4.2
SW	.6		.1		.2							.9	6.6
WSW	.6	.8	.3	.2								1.9	8.4
W	1.1	.6		.1								1.8	3.7
WNW	.7											.7	1.8
NW	.9	.1										1.0	2.2
NNW	1.8	1.1	.6									3.4	3.6
VARBL													
CALM												46.0	
	15.3	19.4	10.7	6.7	1.7	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7-220 WALUNA RES AK STATION NAME 73-82 YEARS ALL
CLASS ALL HOURS (L & 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	4.4	6.0	2.7	.4								13.8	4.0
NNE	1.7	2.3	.7	.1								4.8	4.6
NE	.3	.2	.1	.0								.5	4.5
ENE	.3	.2	.1	.0	.0							.6	4.6
E	1.2	1.7	1.9	1.8	.6	.7						7.3	8.6
ESE	.2	2.3	3.6	3.3	.7	.1						10.8	9.5
SE	.6	1.3	1.0	.6								3.5	7.2
SSE	.3	.5	.5	.3	.0							1.6	7.5
S	.3	.6	.6	.3	.1							1.2	7.7
SSW	.2	.3	.1	.2	.1	.0						1.0	8.0
SW	.4	.2	.2	.2	.1	.0	.0					1.2	8.4
WSW	.6	.4	.2	.1	.0							1.3	4.8
W	1.7	.7	.1	.1								2.6	3.1
WNW	1.1	.3	.0	.0								1.4	2.9
NW	1.0	.2	.7									1.3	2.5
NNW	1.5	1.0	.2	.0								3.3	3.4
VARBL													
CALM												43.5	
	17.0	18.3	11.8	7.5	1.8	.2	.7					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

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

SURFACE WINDS

70-220 STATION NAME SALENA AFS AR 73-82 YEARS 356 MONTHS
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	5.5	5.9	1.0	.2	.1							12.7	4.4
NNE	1.5	3.0	.5	.4	.2							5.7	5.7
NE	.2	.1	.2	.1								.6	7.0
ENE	.3	.1	.1									.5	4.0
E	1.2	.5	1.2	1.6	.4							4.9	9.1
ESE	.5	1.5	2.7	2.8	.2	.1						6.1	7.5
SE	.3	.4	.9	1.2	.1							2.9	9.3
SSE	.4	.7	.1	.2								1.0	5.6
S	.4	.2	.2		.1	.2						1.2	4.2
SSW	.4			.1								.5	4.0
SW	.4	.3	.1		.2							1.1	6.7
WSW	.6	.3	.1									1.1	4.9
W	2.0	.6	.1									2.9	3.9
WNW	1.5	.5										1.5	3.1
NW	1.5	.4										1.2	2.6
NNW	1.1	.6	.1	.1								2.9	3.9
VARBL													
CALM												51.4	
	17.7	15.1	7.3	6.8	1.4	.3						130.0	3.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7-22-73 SALENA AFS AK STATION NAME 73-82 YEARS DEC
CLASS ALL WEATHER 0300-0600
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	4.5	2.5	.3	.1							13.1	4.6
NNE	1.4	2.3	1.2	.5								5.4	5.7
NE	.1	.1	.3									.5	6.8
ENE		.2										.2	4.5
E	1.3	.4	1.5	1.8	.6	.1						5.8	9.7
ESE	.2	.2	3.1	2.3								6.3	9.6
SE	.5	.9	1.1	.8								3.2	7.3
SSE	.2	.2	.1	.2								.2	8.1
S	.4	.2	.2	.1								1.3	5.3
SSW	.1	.1		.2	.2	.1						.3	14.4
SW	.1	.2	.3	.2								1.3	8.6
WSW	.2	.1	.2									.5	5.4
W	1.4	.5	.2									2.2	3.3
WNW	1.4	.5	.2									2.2	3.1
NW	.6	1.2										1.6	3.5
NNW	1.4	.2										1.6	2.7
VARBL													
CALM												53.8	
	15.2	12.3	11.2	6.7	1.0	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

SEPTAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 73-220 STATION NAME SALENA AFS AK CLASS ALL-FAIRER YEARS 73-82 MONTH DEC
HOURS 6000-2000
CONDITION

SPEED (KNTS) DIR.	1 - 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	4.0	1.5	.6	.2							11.7	5.0
NNE	1.0	1.7	1.6	.2								4.5	5.0
NE		.4	.4									.9	7.1
ENE	.1	.1	.3									.8	5.3
E	1.3	.8	1.7	1.1	.3	.1						5.3	8.5
ESE	.5	2.4	3.1	2.8	.3							9.1	9.2
SE	.8	.2	1.2	.3								2.5	6.9
SSE	.1	.8	.4									1.3	6.3
S	.3	.2	.1									.6	3.8
SSW	.1	.1	.6	.1								1.0	8.0
SW	.1		.2	.2		.1						.6	13.2
WSW	.2	.4	.2									.2	4.0
W	2.4	1.0										3.3	2.6
WNW	.5	.4										1.0	3.0
NW	1.0	.1										1.1	2.2
NNW	.9	.4	.1									1.4	3.0
VARBL													
CALM												54.1	
	13.9	13.9	11.7	5.4	.9	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7-2220 SALENA AFS AK STATION NAME 73-82 YEARS 955
CLASS ALL WEATHER MONTHS 0000-1126
CONDITION

SPEED (KNTS) DIR.	1 - 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	5.2	1.6	.6								11.3	5.0
NNE	1.4	2.2	1.4	.5		.1						5.6	6.1
NE	.5	.2	.4									1.2	6.1
ENE	.1		.3									.4	6.5
E	.8	.2	1.4	1.8	.2	.1						4.5	9.9
ESE	.8	2.5	2.8	4.2	.2	.1						10.1	9.6
SE	.6	.8	.8	.3	.1							2.6	7.2
SSE	1.0			.1	.1							1.2	4.6
S	.4	.2	.4									1.1	5.1
SSW	.2	.2		.1								.5	5.8
SW	.1	.3	.3	.1								.9	7.1
WSW	.3	.3										.5	3.7
W	2.2	1.2	.1									3.4	3.0
WNW	.8											.8	2.0
NW	.2	.4										.5	4.0
NNW	1.4	.4	.1									1.9	3.0
VARBL													
CALM												53.2	
	14.4	13.7	9.9	7.8	.6	.3						100.3	3.0

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

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

SURFACE WINDS

7-22- STATION SALENA AFS AK STATION NAME 73-52 YEARS DEC
ALL WEATHER 1233-1430
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	4.2	2.0	1.0								12.6	5.1
NNE	2.0	2.2	2.3	.4								6.9	5.8
NE	.2	.4	.2	.1								1.3	6.0
ENE	.2	.2										.4	5.0
E	.9	.6	1.8	1.7	.4							5.5	6.4
ESE	.5	1.3	2.4	2.9	.5							7.8	9.6
SE	.5	.4	.9	.9								2.7	8.3
SSE	.3			.1	.1							.5	6.2
S	.4	.3	.2	.1								1.1	5.5
SSW	.2	.2										.4	4.0
SW	.3	.5	.1	.1								1.1	4.5
WSW	.1	.1										.2	3.0
W	2.6	1.2										3.8	2.8
WNW	.2	.2										1.1	2.6
NW	1.0	.2										1.2	2.6
NNW	1.4	.6										2.0	2.7
VARBL													
CALM												51.8	
	17.1	12.6	10.1	7.3	1.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 929

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

70-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 366
ALL WEATHER CLASS 1533-1730
 CONDITION

SPEED (KNTS) DIR.	1 - 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	4.9	2.4	.5								11.3	5.0
NNE	2.7	1.8	2.3	.4								7.2	3.6
NE	.3	.1	.1									.5	3.8
ENE	.1	.2										.3	4.0
E	.9	.8	1.5	2.3	.3							5.7	9.5
ESE	.2	1.4	4.1	2.2	.3							6.2	9.5
SE	.4	1.0	.8	.5	.1							2.8	7.6
SSE	.2	.2	.1	.1	.1							.8	7.6
S	.5	.1		.3								1.0	6.1
SSW	.5	.2		.1								.9	4.3
SW	.5	.1	.2		.1							1.0	5.7
WSW	.6	.3										1.1	2.9
W	2.2	1.4										3.6	3.3
WNW	1.0	.2										1.2	2.5
NW	1.5	.3										1.8	2.8
NNW	1.9	.5	.1									2.6	2.8
VARBL													
CALM												50.1	
	17.4	13.6	11.5	6.5	1.0							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVIC./MAC

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

SURFACE WINDS

STATION 225 SALENA AFS AK STATION NAME 73-62 YEARS 256
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	5.2	1.7	.2								11.3	4.7
NNE	1.3	2.7	1.9	.9								6.9	6.4
NE	.3	.2	.1									.6	4.0
ENE	.6	.3	.5									1.5	4.8
E	1.3	.3	1.5	1.5	.6							5.7	9.1
ESE	.4	1.3	2.8	3.5	.4							8.4	10.2
SE	.4	.2	.5	.3								2.2	6.4
SSE	.2	.2	.2									.6	5.2
S		.2	.4	.1	.3							1.1	11.6
SSW	.2		.2	.1								.5	7.4
SW	.4	.4	.1		.1							1.1	5.4
WSW	.2	.2	.1	.2								.8	6.9
W	1.6	1.3	.1									2.7	3.4
WNW	1.3	.3										1.6	2.5
NW	.6	.1										.3	2.8
NNW	1.8	.8	.1									2.7	2.8
VARBL													
CALM												1.6	
	15.1	14.6	10.5	6.8	1.5							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

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

SURFACE WINDS

7-2220 STATION 73-82 MONTH 066
STATION NAME ALL WEATHER CLASS 2103-2300
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	4.7	5.3	2.8	.1								11.9	4.6
NNE	.9	3.5	1.2	.6	.1							6.1	6.3
NE	.7	.4		.3								1.1	7.1
ENE	.7											.3	2.3
E	.7	.6	.9	1.6	.8							4.2	11.3
ESE	.7	1.3	3.7	2.8	.5	.1						6.7	15.3
SE	.3	.5	.9	.7	.5	.1						2.7	7.5
SSE	.1	.1	.1	.5								.9	10.1
S	.1	.3	.3	.1	.1	.1						1.1	10.3
SSW	.7			.3								.6	7.6
SW	.7	.1	.1									.4	4.3
WSW	.7	.5										.9	4.1
W	2.3	.6										3.3	2.9
WNW	.8	.2										1.0	3.1
NW	.5	.6										1.2	3.5
NNW	1.3	.5										1.8	2.5
VARBL													
CALM												54.0	
	12.8	18.6	9.7	7.1	1.5	.2						130.0	3.1

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

7-222- GALENA AFS AK STATION NAME 73-82 YEARS DEC
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	4.5	5.0	2.0	.5	.1							12.3	4.8
NNE	1.5	2.4	1.5	.5	.0	.3						6.0	6.6
NE	.3	.3	.2	.1								.8	6.0
ENE	.2	.1	.2									.6	4.7
E	1.0	.6	1.4	1.7	.5	.0						5.2	6.5
ESE	.5	1.5	3.1	2.9	.3	.2						8.3	6.7
SE	.6	.6	.9	.6	.0							2.7	7.6
SSE	.3	.2	.1	.2	.0							.7	6.8
S	.3	.2	.2	.1	.1	.3						1.0	7.3
SSW	.3	.1	.1	.1	.0	.2						.7	7.2
SW	.3	.3	.2	.1	.1	.0						.9	6.8
WSW	.3	.3	.1	.0								.6	4.4
W	2.1	1.0	.1									3.1	3.8
WNW	.9	.3	.0									1.3	2.8
NW	.9	.4										1.3	2.8
NNW	1.4	.5	.1	.0								2.0	2.9
VARBL													
CALM												52.5	
	15.5	13.8	10.2	6.8	1.1	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 7430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENT AGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700220 STATION NAME VALENA AFS AK STATION NAME 73-82 YEARS MONTH ALL WEATHER CLASS ALL HOURS (L & Y) CONDITION

SPEED (KNTS) DIR.	1 - 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	6.2	2.3	.3	.0							13.7	4.6
NNE	2.3	2.9	1.6	.4	.0	.0						6.9	5.3
NE	.5	.5	.3	.1	.0							1.4	5.1
ENE	.4	.4	.2	.1	.0							1.1	5.1
E	1.3	1.4	2.0	1.4	.2	.0						6.9	7.6
ESE	1.1	2.0	2.1	1.3	.2	.0						6.8	7.7
SE	1.0	1.3	.8	.3	.0							3.3	5.7
SSE	.7	.9	.6	.2	.0							2.3	5.8
S	.9	1.0	.9	.3	.0	.0						3.2	6.2
SSW	.6	.7	.5	.2	.0	.0						2.0	6.0
SW	.9	1.1	1.0	.3	.0	.0	.0					3.4	6.3
WSW	.9	1.3	.9	.2	.0							3.3	5.7
W	1.8	1.5	.4	.0	.0							3.7	4.1
WNW	1.0	.7	.2	.0	.0							2.3	3.9
NW	1.1	.8	.3	.0	.0							2.3	3.9
NNW	1.8	1.4	.4	.0								3.6	3.8
VARBL													
CALM												34.2	
	1.0	24.5	14.4	5.2	.6	.1	.0					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 87626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

7-222 STATION NAME GALENA AFS AK 71-82 YEARS ALL
INSTRUMENT CLASS ALL
CIG 100 TO 1400 FT W/ VSBY 1/2 MI OR MORE, HOURLY (FT)
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	0.4	7.1	2.2	0.2								15.9	4.3
NNE	1.9	2.9	.9	.2								5.9	4.8
NE	.3	.3	.1	.1	.0							.9	5.1
ENE	.5	.5	.3	.2	.0							1.4	5.9
E	1.0	1.2	2.9	3.7	1.2	.1						10.0	10.6
ESE	.9	2.0	2.4	2.9	1.2	.1						9.5	10.2
SE	.7	1.0	.7	.4	.0							3.0	6.5
SSE	.5	.3	.3	.1	.0							1.1	5.7
S	.6	.4	.3	.1	.0	.0						1.3	5.3
SSW	.4	.2	.1	.1	.0	.0						.9	5.1
SW	.4	.6	.6	.3	.1							1.9	7.0
WSW	.5	.7	.6	.2	.1							2.0	6.5
W	1.1	1.0	.3	.0	.0							2.4	4.2
WNW	.0	.6	.1									1.6	3.6
NW	1.1	.8	.2									2.2	3.7
NNW	2.1	1.8	.3	.0								4.2	3.6
VARBI													
CALM												35.9	
	19.1	21.5	12.3	6.3	2.7	.3						106.0	4.2

TOTAL NUMBER OF OBSERVATIONS 6315

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 5/10 or more, but not more than 1/2 of the sky cover is opaque.

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	≥ 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

73-220 GALENA AFS AK STATION NAME

73-67 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. REPORTED	26.1	45.4	46.5	47.5	49.7	49.7	50.4	50.8	50.9	51.9	52.9	53.0	54.7	54.7	54.9	54.9
≥20000	27.7	47.2	48.3	49.4	51.5	51.5	52.3	52.6	52.7	53.7	54.8	55.1	56.0	56.0	57.0	57.0
≥18000	29.6	48.2	49.2	50.3	52.5	52.5	53.2	53.5	53.7	54.8	55.8	56.0	57.0	57.7	58.0	58.0
≥16000	28.6	48.2	49.2	50.3	52.5	52.5	53.2	53.5	53.7	54.8	55.8	56.0	57.0	57.7	58.0	58.0
≥14000	28.8	48.5	49.6	50.8	53.1	53.1	53.9	54.2	54.3	55.5	56.5	56.7	57.6	58.4	58.6	58.6
≥12000	28.9	48.8	49.9	51.1	53.4	53.4	54.2	54.5	54.6	55.8	56.8	57.0	58.0	58.7	58.9	58.9
≥10000	30.3	52.0	53.1	54.4	56.8	56.8	57.5	57.8	58.0	59.1	60.1	60.3	61.3	62.0	62.3	62.3
≥8000	31.2	53.1	54.2	55.5	57.8	57.8	58.6	58.9	59.0	60.2	61.2	61.4	62.4	63.1	63.3	63.3
≥6000	33.4	56.7	57.7	59.0	61.4	61.4	62.2	62.5	62.6	63.8	64.7	64.9	65.9	66.7	66.9	66.9
≥5000	34.3	60.0	61.1	62.4	64.7	64.7	65.5	65.8	65.9	67.1	68.1	68.3	69.2	70.0	70.2	70.2
≥4500	36.3	63.4	64.5	65.8	68.2	68.2	68.9	69.2	69.4	70.5	71.5	71.7	72.7	73.4	73.7	73.7
≥4000	37.6	65.8	67.1	68.5	70.9	70.9	71.6	71.9	72.0	73.2	74.2	74.4	75.4	76.1	76.3	76.3
≥3500	38.2	66.8	68.1	69.5	71.8	71.8	72.6	72.9	73.0	74.2	75.2	75.4	76.3	77.1	77.3	77.3
≥3000	39.9	70.8	72.2	74.0	76.5	76.5	77.2	77.5	77.6	78.8	79.8	80.0	81.0	82.0	82.3	82.3
≥2500	40.9	72.3	73.7	75.6	78.1	78.1	78.8	79.5	79.6	80.8	81.7	81.9	82.9	84.0	84.2	84.2
≥2000	41.3	74.5	76.3	78.6	81.1	81.1	81.9	82.6	82.7	83.9	84.9	85.2	86.3	87.4	87.6	87.6
≥1800	41.5	75.7	77.5	79.8	82.7	82.7	83.8	84.6	84.7	85.9	87.0	87.2	88.4	89.5	89.7	89.7
≥1600	42.0	77.3	78.9	81.3	84.4	84.4	85.7	86.6	86.7	87.8	88.9	89.1	90.3	91.4	91.6	91.6
≥1400	42.3	77.4	79.4	81.7	84.8	85.1	86.1	87.0	87.1	88.3	89.4	89.6	90.8	91.8	92.0	92.0
≥1200	42.6	78.5	80.4	82.9	86.0	86.2	87.4	88.3	88.4	89.6	90.6	90.8	92.0	93.1	93.3	93.3
≥1000	42.7	79.2	81.3	83.9	87.0	87.2	88.5	89.4	89.5	90.8	91.8	92.0	93.2	94.3	94.5	94.5
≥900	42.7	79.6	81.7	84.3	87.7	88.0	89.2	90.1	90.2	91.5	92.6	92.8	94.1	95.2	95.4	95.4
≥800	42.7	79.6	81.7	84.3	87.7	88.0	89.2	90.1	90.2	91.5	92.6	92.8	94.1	95.2	95.4	95.4
≥700	42.7	79.9	82.1	84.6	88.1	88.3	89.6	90.4	90.5	91.8	92.9	93.2	94.4	95.5	95.7	95.7
≥600	42.7	80.0	82.3	84.8	88.4	88.6	89.9	90.8	90.9	92.2	93.2	93.5	94.7	95.8	96.0	96.0
≥500	42.7	80.5	82.7	85.3	88.9	89.1	90.8	91.6	91.7	93.1	94.4	94.8	96.0	97.1	97.4	97.4
≥400	42.7	80.9	83.1	85.7	89.4	89.6	91.3	92.6	92.8	94.4	95.7	96.1	97.4	98.6	98.8	98.8
≥300	42.7	80.9	83.1	85.7	89.4	89.6	91.3	92.6	92.8	94.4	95.7	96.1	97.4	98.6	98.8	98.8
≥200	42.7	80.9	83.1	85.7	89.4	89.6	91.3	92.6	92.8	94.4	95.7	96.1	97.4	98.6	98.8	98.8
≥100	42.7	80.9	83.1	85.7	89.4	89.6	91.3	92.6	92.8	94.4	95.7	96.1	97.4	98.6	98.8	98.8
≥0	42.7	80.9	83.1	85.7	89.4	89.6	91.3	92.6	92.8	94.4	95.7	96.1	97.4	98.6	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
MACPETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70-220 STATION NAME SALENA AFB AK STATION NAME 73-62 YEAR 1963
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 0100-2500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO FEEING	24.6	45.6	45.9	44.3	44.5	44.5	40.0	50.2	50.3	51.5	53.0	53.9	55.4	55.6	55.7	55.7
2 2000	26.3	47.3	48.6	50.1	51.2	51.2	51.7	51.9	52.0	53.2	54.7	55.6	57.1	57.3	57.4	57.4
2 1800	26.3	48.1	49.5	50.9	52.0	52.0	52.6	52.8	52.9	54.1	55.6	56.5	58.0	58.2	58.3	58.3
2 1600	26.4	48.2	49.4	51.0	52.2	52.2	52.7	52.9	53.0	54.2	55.7	56.6	58.1	58.3	58.4	58.4
2 1400	26.8	48.2	49.6	51.0	52.2	52.2	52.7	52.9	53.0	54.2	55.7	56.6	58.1	58.3	58.4	58.4
2 1200	27.5	49.3	50.4	51.8	53.0	53.0	53.5	53.8	53.9	55.1	56.6	57.4	58.9	59.1	59.2	59.2
2 1000	29.8	53.0	54.5	55.9	57.2	57.2	57.7	58.0	58.1	59.2	60.8	61.6	63.1	63.3	63.4	63.4
2 800	30.4	54.8	56.3	57.7	59.0	59.0	59.6	59.8	59.9	61.1	62.6	63.4	64.9	65.2	65.3	65.3
2 600	33.5	59.2	60.8	62.2	63.5	63.5	64.1	64.3	64.4	65.6	67.1	68.0	69.5	69.7	69.8	69.8
2 400	34.9	61.6	63.1	64.5	65.9	65.9	66.5	66.7	66.8	68.0	69.5	70.3	71.8	72.0	72.2	72.2
2 200	35.1	63.7	65.2	66.6	68.0	68.0	68.5	68.7	68.8	70.0	71.5	72.4	73.9	74.1	74.2	74.2
2 100	37.3	67.1	68.9	70.4	71.8	71.8	72.4	72.6	72.7	73.9	75.4	76.2	77.7	78.0	78.1	78.1
2 500	37.4	67.3	69.2	70.8	72.2	72.2	72.7	72.9	73.0	74.2	75.7	76.6	78.1	78.3	78.4	78.4
2 400	38.8	70.3	72.4	74.1	75.7	75.7	76.2	76.5	76.6	77.8	79.4	80.2	81.9	82.2	82.3	82.3
2 300	39.2	72.3	74.2	76.0	77.6	77.6	78.4	78.8	79.9	80.2	81.7	82.6	84.3	84.5	84.5	84.6
2 200	39.7	74.8	77.1	79.0	80.8	80.8	82.0	82.5	82.6	83.9	85.5	86.3	88.1	88.3	88.4	88.4
2 100	40.3	76.6	78.8	80.9	82.8	82.8	84.2	84.6	84.9	86.2	87.8	88.7	90.4	90.6	90.8	90.8
2 500	40.3	77.7	80.2	82.5	84.6	84.6	86.0	86.6	87.0	88.4	90.0	90.9	92.7	92.9	93.0	93.0
2 400	41.1	78.1	80.5	82.8	84.9	84.9	86.5	87.1	87.5	88.9	90.5	91.4	93.2	93.4	93.5	93.5
2 300	41.5	78.9	81.4	83.9	86.0	86.0	87.6	88.3	88.7	90.1	91.7	92.6	94.4	94.6	94.7	94.7
2 200	41.7	79.7	82.3	84.8	87.1	87.1	88.7	89.4	89.8	91.2	92.8	93.7	95.5	95.7	95.8	95.8
2 100	41.7	79.7	82.3	84.8	87.1	87.1	88.7	89.4	89.8	91.2	92.8	93.7	95.5	95.7	95.8	95.8
2 500	41.7	79.7	82.3	84.8	87.1	87.1	88.7	89.4	89.8	91.2	92.8	93.7	95.5	95.7	95.8	95.8
2 400	41.7	79.9	82.6	85.3	87.5	87.5	89.2	90.1	90.5	92.0	93.8	94.6	96.6	96.8	96.9	96.9
2 300	41.7	79.9	82.6	85.3	87.5	87.5	89.2	90.1	90.5	92.0	93.8	94.6	96.6	96.8	96.9	96.9
2 200	41.7	80.0	82.7	85.4	88.0	88.0	89.8	90.6	91.1	92.6	94.3	95.2	97.1	97.3	97.4	97.4
2 100	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0
2 500	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0
2 400	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0
2 300	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0
2 200	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0
2 100	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 93

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

JOINT CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

70-22- GALENA AFS AK STATION NAME

73-62

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0000

USN 101 STAT 10101		USN 101 STAT 10101															
FEET	FEET	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
100	100	27.5	46.2	47.0	47.7	44.9	50.0	50.6	51.3	51.5	53.0	54.2	54.9	55.9	56.1	56.1	56.5
200	200	28.6	47.4	48.2	49.0	51.1	51.2	51.8	52.5	52.7	54.2	55.4	56.1	57.1	57.3	57.3	57.6
300	300	29.3	47.7	48.5	50.2	51.4	51.5	52.2	52.8	53.1	54.5	55.7	56.5	57.4	57.6	57.6	58.0
400	400	29.9	48.0	48.7	50.4	51.6	51.7	52.1	53.0	53.2	54.7	55.9	56.7	57.6	57.8	57.8	58.2
500	500	29.1	48.2	48.9	50.6	51.8	51.9	52.0	53.2	53.4	54.9	56.1	56.9	57.8	58.1	58.1	58.4
600	600	30.4	48.5	50.2	51.9	53.1	53.2	53.2	54.5	54.7	56.2	57.4	58.2	59.1	59.4	59.4	59.7
700	700	31.4	52.2	52.9	54.6	55.8	55.9	56.7	57.3	57.5	59.0	60.2	61.0	61.9	62.2	62.2	62.5
800	800	32.3	53.7	54.4	56.1	57.3	57.4	58.2	58.8	59.0	60.5	61.7	62.5	63.4	63.7	63.7	64.0
900	900	35.1	57.8	58.5	60.5	61.7	61.8	62.6	63.2	63.4	64.9	66.1	66.9	67.8	68.1	68.1	68.4
1000	1000	36.2	60.4	61.2	63.1	64.3	64.4	65.2	65.8	66.1	67.5	68.7	69.5	70.4	70.6	70.6	71.0
1100	1100	35.7	61.9	62.8	64.7	66.0	66.1	66.9	67.5	67.7	69.2	70.4	71.2	72.2	72.4	72.4	72.7
1200	1200	37.8	66.1	66.9	68.8	70.2	70.3	71.1	71.7	71.9	73.4	74.6	75.4	76.3	76.6	76.6	76.9
1300	1300	38.4	68.9	67.6	69.6	71.0	71.1	71.8	72.5	72.7	74.2	75.4	76.1	77.1	77.3	77.3	77.6
1400	1400	39.7	69.7	70.6	72.7	74.1	74.2	74.9	76.0	76.2	77.8	79.0	79.8	80.8	81.0	81.0	81.3
1500	1500	40.1	71.2	72.2	74.2	75.6	75.7	76.5	77.5	77.7	79.5	80.6	81.4	82.4	82.6	82.6	82.9
1600	1600	40.5	73.4	74.2	76.3	77.8	78.0	78.4	80.3	80.5	82.3	83.4	84.2	85.2	85.4	85.4	85.7
1700	1700	41.4	74.9	76.1	78.3	79.8	79.9	80.9	82.6	82.8	84.5	85.7	86.5	87.4	87.6	87.6	88.0
1800	1800	42.4	76.8	78.1	80.2	81.9	82.3	83.2	85.1	85.4	87.4	88.6	89.4	90.3	90.5	90.5	90.9
1900	1900	42.5	77.5	78.7	81.1	82.7	82.8	84.1	85.8	86.1	88.2	89.4	90.1	91.1	91.3	91.3	91.6
2000	2000	42.9	78.4	79.7	82.0	84.1	84.3	85.6	87.4	87.8	89.9	91.1	91.8	92.8	93.0	93.0	93.3
2100	2100	43.1	79.4	80.9	83.5	85.7	86.0	87.3	89.1	89.4	91.6	92.8	93.5	94.5	94.7	94.7	95.1
2200	2200	43.3	79.6	81.1	83.8	85.9	86.2	87.7	89.7	90.1	92.2	93.3	94.1	95.2	95.4	95.4	95.7
2300	2300	43.3	80.0	81.5	84.2	86.3	86.7	88.2	90.2	90.6	92.7	93.9	94.6	95.7	95.9	95.9	96.2
2400	2400	43.1	80.3	81.8	84.5	86.7	87.0	88.5	90.5	91.0	93.1	94.3	95.1	96.1	96.3	96.3	96.6
2500	2500	43.0	80.9	82.1	84.7	86.9	87.2	88.7	90.9	91.5	93.4	94.6	95.4	96.5	96.7	96.8	97.1
2600	2600	43.0	80.8	82.3	85.1	87.3	87.6	89.1	91.3	91.7	93.9	95.1	95.8	96.9	97.1	97.2	97.5
2700	2700	43.1	81.1	82.5	85.6	87.8	88.2	89.7	91.8	92.4	94.5	95.7	96.5	97.5	97.7	97.8	98.2
2800	2800	43.1	81.1	82.7	85.8	88.1	88.4	90.0	92.2	92.7	95.2	96.5	97.2	98.5	98.8	98.9	99.4
2900	2900	43.1	81.1	82.7	85.9	88.3	88.6	90.2	92.4	92.9	95.4	96.9	97.6	98.9	99.2	99.4	99.8
3000	3000	43.3	81.2	82.8	86.0	88.4	88.7	90.3	92.5	93.0	95.5	97.0	97.8	99.1	99.5	99.6	100.0
3100	3100	43.3	81.2	82.8	86.0	88.4	88.7	90.3	92.5	93.0	95.5	97.0	97.8	99.1	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 227 CALFNA AFS AK STATION NAME

73-82 YEAR

1973

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

822-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	33.3	36.5	36.7	37.3	38.6	38.7	40.2	40.5	41.0	41.9	43.3	43.7	45.6	45.7	46.7	46.3
18000	36.1	39.2	39.5	40.1	41.4	41.5	43.0	43.3	43.8	44.7	46.1	46.5	48.4	48.5	48.8	49.1
16000	38.2	41.4	41.6	42.3	43.5	43.7	45.2	45.5	45.9	46.9	48.3	48.6	50.5	50.6	51.1	51.4
14000	38.3	41.5	41.7	42.4	43.7	43.8	45.3	45.6	46.0	47.0	48.4	48.7	50.6	50.8	51.2	51.5
12000	38.8	42.0	42.3	42.9	44.2	44.3	45.8	46.1	46.6	47.5	49.0	49.4	51.3	51.4	51.8	52.2
10000	40.5	43.8	44.1	44.6	45.9	46.0	47.5	47.8	48.3	49.2	50.8	51.1	53.0	53.1	53.5	53.9
8000	45.6	48.8	49.1	49.7	51.0	51.1	52.7	53.0	53.4	54.4	55.9	56.2	58.2	58.3	58.7	59.1
6000	46.6	49.9	50.1	51.1	52.3	52.4	54.0	54.3	54.7	55.7	57.2	57.5	59.5	59.6	60.0	60.4
4000	52.2	55.9	56.1	57.2	58.6	58.7	60.3	60.9	61.3	62.3	63.8	64.1	66.0	66.1	66.5	67.0
2000	55.1	59.7	59.9	61.0	62.4	62.5	64.1	64.6	65.1	66.0	67.5	67.8	69.8	69.9	70.3	70.8
1000	55.6	61.4	61.7	63.1	64.5	64.6	66.2	66.8	67.2	68.3	69.8	70.1	72.0	72.2	72.6	73.0
500	59.1	64.6	64.9	66.3	68.1	68.2	69.9	70.5	71.0	72.0	73.5	73.9	75.8	75.9	76.3	76.8
400	60.1	65.6	65.9	67.3	69.1	69.2	71.0	71.7	72.2	73.2	74.7	75.1	77.0	77.1	77.5	78.0
300	62.1	67.8	68.2	69.8	71.6	71.7	73.4	74.2	74.6	75.7	77.2	77.5	79.5	79.6	80.0	80.4
200	63.8	70.0	70.6	72.5	74.3	74.4	76.1	76.9	77.3	78.6	80.1	80.4	82.4	82.5	82.9	83.3
100	65.9	72.5	73.1	74.9	76.8	77.0	79.1	80.1	80.5	81.9	83.7	84.0	85.9	86.0	86.5	86.9
50	66.8	73.8	74.5	76.3	78.3	78.5	80.6	81.7	82.2	83.7	85.5	85.8	87.7	87.8	88.3	88.7
20	67.3	74.7	75.5	77.3	79.4	79.6	81.9	83.2	83.7	85.5	87.3	87.7	89.7	89.8	90.2	90.6
10	68.1	75.5	76.2	78.1	80.1	80.3	82.7	84.0	84.4	86.2	88.1	88.5	90.4	90.5	91.0	91.4
5	68.8	76.7	77.4	79.4	81.5	81.7	84.2	85.5	86.1	88.2	90.0	90.4	92.6	92.7	93.1	93.5
2	69.8	78.1	78.9	80.8	83.1	83.3	85.8	87.4	88.2	90.2	92.0	92.5	94.6	94.7	95.2	95.6
1	70.0	78.4	79.1	81.3	83.7	83.9	86.7	88.3	89.7	91.1	93.1	93.5	95.7	95.8	96.3	96.8
0	70.2	78.8	79.6	81.7	84.1	84.3	87.1	88.7	89.5	91.5	93.5	94.0	96.1	96.2	96.8	97.2
0.5	70.4	79.1	79.9	82.2	84.5	84.7	87.5	89.1	89.9	91.9	94.1	94.5	96.7	96.8	97.3	97.7
0.2	70.4	79.1	79.9	82.2	84.5	84.7	87.5	89.1	89.9	91.9	94.1	94.5	96.7	96.8	97.3	97.7
0.1	70.8	79.5	80.2	82.5	84.8	85.1	87.8	89.5	90.2	92.3	94.4	94.8	97.1	97.2	97.8	98.3
0.05	70.8	79.5	80.3	82.6	85.1	85.3	88.1	89.7	90.4	92.5	94.7	95.2	97.4	97.5	98.2	98.6
0.02	70.9	79.6	80.4	82.7	85.3	85.7	88.6	90.6	91.4	93.4	95.7	96.1	98.4	98.5	99.1	99.6
0.01	70.9	79.6	80.4	82.7	85.3	85.7	88.7	90.8	91.5	93.7	95.9	96.3	98.6	98.7	99.4	99.8
0.005	70.9	79.6	80.4	82.7	85.3	85.7	88.7	90.8	91.5	93.7	95.9	96.3	98.6	98.7	99.4	99.8
0.002	70.9	79.6	80.4	82.7	85.3	85.7	88.8	90.9	91.6	93.9	96.1	96.6	98.9	98.9	99.6	100.0
0.001	70.9	79.6	80.4	82.7	85.3	85.7	88.8	90.9	91.6	93.9	96.1	96.6	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 220 SALENA AFS AK STATION NAME

73-62 YEAR

1200-1400

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
20000	36.6	39.8	39.9	40.6	41.6	41.6	41.8	42.4	42.6	43.7	44.4	44.6	45.4	45.4	45.7	45.9
18000	41.4	42.6	42.7	43.4	44.4	44.4	44.6	45.2	45.4	46.6	47.3	47.5	48.3	48.3	48.6	48.8
16000	43.9	45.1	45.2	46.0	47.0	47.0	47.2	47.7	48.7	49.1	49.9	50.1	50.9	50.9	51.2	51.4
14000	44.0	45.2	45.3	46.1	47.1	47.1	47.3	47.8	48.1	49.2	50.0	50.2	51.0	51.0	51.3	51.5
12000	45.1	46.2	46.3	47.2	48.2	48.2	48.7	49.2	49.5	50.6	51.5	51.7	52.5	52.5	52.9	53.1
10000	47.1	48.3	48.5	49.4	50.3	50.3	51.0	51.5	51.7	52.9	53.8	54.0	54.7	54.7	55.2	55.4
8000	51.9	53.0	53.2	54.1	55.1	55.1	55.7	56.2	56.5	57.6	58.5	58.7	59.5	59.5	59.9	60.1
6000	52.6	53.8	54.0	54.9	55.9	55.9	56.6	57.1	57.3	58.6	59.6	59.8	60.5	60.5	61.0	61.2
4000	52.8	54.2	54.5	55.5	56.5	56.5	57.3	57.7	57.9	59.2	60.2	60.4	61.2	61.2	61.7	61.9
2000	61.9	63.5	63.9	64.8	65.9	65.9	66.6	67.1	67.3	68.7	69.8	70.0	70.8	70.8	71.2	71.4
1000	63.3	65.5	66.1	67.2	68.4	68.4	69.0	69.6	69.9	71.3	72.4	72.6	73.3	73.3	73.8	74.0
500	66.2	68.3	68.9	70.0	71.2	71.2	71.8	72.5	72.8	74.3	75.6	75.8	76.6	76.6	77.3	77.2
200	68.0	70.0	70.8	71.8	73.0	73.0	74.0	74.6	75.1	76.6	77.8	78.1	78.8	78.8	79.2	79.5
100	70.3	72.6	73.5	74.7	75.9	75.9	77.1	77.8	78.4	80.0	81.5	81.7	82.5	82.5	82.9	83.2
50	71.7	73.4	74.4	75.6	76.9	76.9	78.5	79.5	80.0	81.6	83.1	83.3	84.1	84.1	84.5	84.8
25	73.5	76.1	77.1	78.4	79.9	79.9	81.9	83.0	83.5	85.4	87.0	87.2	88.0	88.0	88.4	88.7
12	75.1	77.8	78.8	80.1	81.7	81.7	83.9	85.1	85.6	87.6	89.2	89.5	90.2	90.2	90.7	91.2
6	75.7	78.8	79.8	81.1	82.7	82.7	85.2	86.5	87.1	89.2	90.9	91.1	91.8	91.8	92.5	92.8
3	75.9	79.0	80.0	81.3	82.9	82.9	85.4	86.7	87.3	89.6	91.3	91.5	92.3	92.3	92.9	93.2
1	76.1	80.0	81.2	82.7	84.4	84.4	86.9	88.3	89.1	91.6	93.3	93.5	94.3	94.3	94.9	95.3
0.5	77.2	80.5	81.9	83.4	85.2	85.2	87.6	89.2	90.1	92.6	94.3	94.5	95.3	95.3	95.9	96.2
0.25	77.2	80.5	81.9	83.4	85.3	85.3	87.8	89.6	90.4	92.9	94.8	95.1	95.8	95.8	96.5	96.9
0.125	77.7	81.2	82.6	84.1	85.9	85.9	88.5	90.2	91.2	93.7	95.6	95.8	96.6	96.6	97.3	97.6
0.0625	77.8	81.5	82.9	84.4	86.2	86.2	88.8	90.5	91.5	94.1	96.0	96.2	97.0	97.0	97.7	98.1
0.03125	78.4	82.0	83.4	84.9	86.8	86.8	89.4	91.1	92.0	94.6	96.6	96.8	97.5	97.5	98.3	98.6
0.015625	78.4	82.2	83.7	85.4	87.2	87.2	89.8	91.5	92.5	95.1	97.0	97.2	98.0	98.0	98.7	99.0
0.0078125	79.5	82.3	83.8	85.5	87.5	87.5	90.1	91.9	92.9	95.5	97.4	97.6	98.4	98.4	99.1	99.5
0.00390625	79.5	82.3	83.8	85.5	87.6	87.6	90.2	92.0	93.0	95.8	97.7	97.8	98.6	98.6	99.3	99.7
0.001953125	78.5	82.3	83.8	85.5	87.6	87.6	90.2	92.0	93.0	95.8	97.7	97.8	98.6	98.6	99.3	99.7
0.0009765625	78.5	82.3	83.8	85.5	87.6	87.6	90.2	92.0	93.0	95.8	97.7	97.8	98.6	98.6	99.3	99.7

TOTAL NUMBER OF OBSERVATIONS 020

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	210	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	39.9	41.5	42.5	43.1	44.7	44.7	44.8	45.2	45.4	46.0	46.0	46.2	46.9	47.1	47.3	47.3
18000	43.9	45.5	46.2	46.8	48.4	48.4	48.5	48.8	49.0	49.7	49.7	49.9	50.8	51.1	51.3	51.3
16000	45.5	47.4	48.2	48.7	50.3	50.3	50.4	50.8	51.0	51.6	51.6	51.8	52.7	53.0	53.3	53.4
14000	45.6	47.6	48.4	48.9	50.5	50.5	50.6	51.0	51.2	51.8	51.8	52.0	52.9	53.2	53.5	53.7
12000	46.7	48.9	49.7	50.3	51.9	51.9	52.0	52.4	52.6	53.2	53.2	53.4	54.3	54.6	54.9	55.1
10000	47.5	49.8	50.5	51.2	52.8	52.8	52.9	53.2	53.4	54.1	54.1	54.3	55.2	55.5	55.8	55.9
8000	51.5	54.3	55.1	55.7	57.3	57.3	57.4	57.7	58.0	58.7	58.7	58.9	59.8	60.1	60.4	60.5
6000	51.4	54.8	55.6	56.2	57.8	57.8	58.0	58.3	58.5	59.2	59.2	59.5	60.3	60.6	61.0	61.1
4000	55.6	60.1	60.9	61.7	63.3	63.3	63.4	63.8	64.0	64.7	64.7	64.9	65.8	66.1	66.5	66.6
2000	59.2	63.2	64.1	64.9	66.6	66.6	66.8	67.2	67.4	68.2	68.2	68.4	69.2	69.6	69.9	70.0
1000	60.8	65.3	66.2	67.1	68.9	68.9	69.1	69.6	69.8	70.5	70.5	70.8	71.6	71.9	72.3	72.4
500	64.4	69.4	70.3	71.3	73.3	73.3	73.7	74.2	74.4	75.3	75.4	75.6	76.5	76.8	77.1	77.2
250	66.1	71.4	72.4	73.7	75.7	75.7	76.1	76.7	76.9	77.7	77.8	78.1	78.9	79.2	79.6	79.7
100	68.7	74.2	75.3	76.4	78.7	78.7	79.2	80.0	80.2	81.3	81.4	81.6	82.5	82.8	83.2	83.3
50	70.0	76.1	77.2	78.6	80.9	80.9	81.5	82.3	82.7	83.8	83.9	84.1	84.9	85.3	85.7	85.8
25	71.4	78.1	79.1	80.4	82.8	82.8	83.8	84.9	85.6	87.0	87.2	87.4	88.3	88.6	89.0	89.1
10	72.8	79.5	80.5	81.9	84.4	84.4	85.4	86.6	87.2	88.8	89.1	89.4	90.2	90.5	91.0	91.1
5	73.7	80.9	81.9	83.3	85.9	85.9	87.0	88.2	88.8	90.6	91.0	91.2	92.0	92.4	92.8	92.9
2	74.1	81.3	82.4	83.9	86.5	86.5	87.5	88.9	89.6	91.4	91.7	91.9	92.8	93.1	93.5	93.7
1	74.7	82.0	83.3	85.1	87.8	87.8	88.9	90.3	91.1	92.9	93.2	93.4	94.3	94.6	95.1	95.2
0.5	75.1	82.6	84.1	85.9	88.9	89.0	90.2	91.7	92.5	94.3	94.6	94.8	95.7	96.0	96.5	96.6
0.25	75.4	83.0	84.5	86.3	89.4	89.5	90.6	92.2	92.9	94.7	95.1	95.3	96.1	96.5	96.9	97.0
0.1	75.4	83.1	84.6	86.5	89.5	89.6	90.8	92.3	93.0	94.8	95.2	95.4	96.2	96.6	97.0	97.1
0.05	75.6	83.4	84.9	86.8	89.9	90.0	91.2	92.7	93.4	95.3	95.6	95.8	96.7	97.0	97.4	97.5
0.025	75.8	83.8	85.3	87.1	90.2	90.3	91.6	93.1	93.9	95.9	96.2	96.5	97.3	97.6	98.1	98.2
0.01	75.9	83.9	85.5	87.3	90.5	90.6	91.9	93.4	94.2	96.2	96.6	96.8	97.6	98.0	98.4	98.5
0.005	76.0	84.1	85.8	87.6	91.1	91.2	92.5	94.0	94.7	96.8	97.1	97.3	98.2	98.5	98.9	99.0
0.0025	76.0	84.2	85.9	87.7	91.2	91.3	92.6	94.1	94.8	97.1	97.4	97.6	98.5	98.8	99.2	99.7
0.001	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
0.0005	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
0.00025	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
0.0001	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82

YEARS

DATA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	29.1	46.6	47.5	48.0	49.5	49.6	50.7	50.9	51.2	52.2	52.7	52.7	53.0	53.1	53.2	53.2
20000	31.3	49.4	50.3	50.8	52.3	52.4	53.5	53.7	54.3	55.3	55.5	55.7	56.0	56.3	56.4	56.4
18000	31.9	50.3	51.1	51.7	53.2	53.3	54.4	54.6	54.9	55.9	56.4	56.5	56.8	57.2	57.4	57.4
16000	31.9	50.3	51.1	51.7	53.2	53.3	54.4	54.6	54.9	55.9	56.4	56.5	56.8	57.2	57.4	57.4
14000	32.5	51.0	51.9	52.4	53.9	54.0	55.1	55.3	55.7	56.6	57.2	57.3	57.6	57.9	58.1	58.1
12000	32.7	51.3	52.2	52.7	54.3	54.4	55.4	55.7	56.0	56.9	57.5	57.6	57.9	58.2	58.4	58.4
10000	34.6	54.1	55.7	55.5	57.1	57.2	58.2	58.4	58.8	59.8	60.4	60.5	60.8	61.1	61.4	61.4
9000	35.5	55.5	56.4	56.8	58.4	58.6	59.8	60.1	60.4	61.5	62.0	62.1	62.4	62.8	63.0	63.0
8000	38.1	60.0	60.9	61.4	62.9	63.0	64.3	64.5	64.8	65.9	66.4	66.5	66.8	67.2	67.4	67.4
7000	38.8	62.4	63.3	63.8	65.3	65.4	66.7	67.0	67.3	68.4	68.9	69.0	69.3	69.6	69.9	69.9
6000	39.6	64.2	65.1	65.7	67.2	67.3	68.6	68.8	69.1	70.2	70.7	70.8	71.2	71.5	71.7	71.7
5000	42.4	66.1	69.2	69.9	71.4	71.5	72.8	73.2	73.5	74.6	75.1	75.2	75.6	75.9	76.1	76.1
4500	43.7	69.4	70.6	71.3	72.8	72.9	74.2	74.6	74.9	76.0	76.5	76.6	77.0	77.3	77.5	77.5
4000	44.7	73.1	75.1	76.1	77.7	77.8	79.2	79.7	80.0	81.2	81.7	81.8	82.1	82.5	82.7	82.7
3500	45.6	75.1	77.4	78.4	80.1	80.3	82.1	82.6	82.9	84.1	84.6	84.7	85.0	85.4	85.6	85.6
3000	46.6	77.3	79.3	80.4	82.1	82.5	84.9	85.4	85.7	87.0	87.5	87.6	87.9	88.3	88.5	88.5
2500	47.3	78.0	80.5	81.6	83.3	83.6	86.3	86.8	87.3	88.6	89.1	89.2	89.6	89.9	90.1	90.1
2000	47.6	79.8	82.3	83.4	85.3	85.7	88.4	88.8	89.3	90.6	91.1	91.2	91.5	91.8	92.1	92.4
1800	47.7	80.2	82.8	84.2	86.0	86.4	89.1	89.6	90.1	91.6	92.1	92.2	92.6	92.9	93.1	93.1
1600	47.8	81.1	83.9	85.5	87.4	87.8	90.9	91.3	91.8	93.3	93.8	94.0	94.3	94.6	94.8	94.8
1400	47.9	81.8	84.4	86.0	87.9	88.4	91.4	91.8	92.4	94.0	94.5	94.6	94.9	95.3	95.5	95.5
1200	47.9	82.2	84.9	86.5	88.5	88.9	91.9	92.4	92.9	94.6	95.2	95.3	95.7	96.0	96.2	96.2
1000	47.9	82.2	85.0	86.7	88.7	89.1	92.1	92.6	93.1	94.8	95.4	95.5	95.9	96.2	96.4	96.4
900	48.2	82.7	85.4	87.0	89.0	89.5	92.6	93.0	93.6	95.4	95.9	96.0	96.4	96.8	97.0	97.0
800	48.5	83.2	86.1	87.6	89.7	90.1	93.2	93.6	94.5	96.2	96.8	96.9	97.3	97.6	97.8	97.8
700	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
600	48.5	84.0	86.9	88.6	90.6	91.3	94.4	94.8	95.8	97.5	98.1	98.2	98.6	98.9	99.2	99.4
500	48.5	84.0	86.9	88.6	90.6	91.3	94.4	94.8	95.8	97.5	98.1	98.2	98.6	98.9	99.2	99.4
400	48.5	84.0	86.9	88.6	90.6	91.3	94.4	94.8	95.8	97.5	98.1	98.2	98.6	98.9	99.2	99.4
300	48.5	84.0	86.9	88.6	90.6	91.3	94.4	94.8	95.8	97.5	98.1	98.2	98.6	98.9	99.2	99.4
200	48.5	84.0	86.9	88.6	90.6	91.3	94.4	94.8	95.8	97.5	98.1	98.2	98.6	98.9	99.2	99.4
100	48.5	84.0	86.9	88.6	90.6	91.3	94.4	94.8	95.8	97.5	98.1	98.2	98.6	98.9	99.2	99.4

TOTAL NUMBER OF OBSERVATIONS 020

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-222 WALENA AFS AK STATION NAME

73-82

YEAR

1963

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2122-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥20000	26.7	45.3	45.7	46.4	49.7	49.8	50.7	51.1	51.5	53.0	53.6	53.9	54.5	54.5	54.7	54.7
≥18000	27.6	47.1	47.5	48.2	51.6	51.7	52.5	53.0	53.3	54.8	55.4	56.8	56.3	56.3	56.5	56.5
≥16000	28.3	47.8	48.2	49.0	52.3	52.4	53.3	53.8	54.1	55.7	56.3	56.6	57.2	57.2	57.4	57.4
≥14000	28.5	48.0	48.4	49.2	52.5	52.6	53.5	54.0	54.4	55.9	56.5	56.8	57.4	57.4	57.6	57.6
≥12000	29.8	48.3	48.8	49.5	53.0	53.1	53.9	54.5	54.8	56.3	56.9	57.3	57.8	57.8	59.0	58.0
≥10000	29.2	49.0	49.4	50.2	53.6	53.7	54.6	55.1	55.4	56.9	57.6	57.9	58.4	58.4	58.7	58.7
≥9000	31.2	53.3	53.7	54.5	57.9	58.0	58.9	59.4	59.7	61.2	61.9	62.2	62.8	62.8	63.0	63.0
≥8000	32.3	54.6	55.0	55.8	59.2	59.3	60.5	61.0	61.4	62.9	63.5	63.8	64.4	64.4	64.6	64.6
≥7000	34.7	58.0	58.4	59.3	62.8	62.9	64.0	64.6	64.9	66.4	67.1	67.4	67.9	67.9	69.1	66.1
≥6000	35.4	60.4	60.8	61.7	65.1	65.2	66.4	67.0	67.3	68.8	69.4	69.8	70.3	70.3	70.5	70.5
≥5000	37.1	63.4	63.8	64.9	68.5	68.6	69.8	70.3	70.6	72.1	72.8	73.1	73.6	73.6	73.8	73.8
≥4500	38.2	65.6	66.1	67.1	70.7	70.8	72.1	72.8	73.1	74.7	75.3	75.7	76.2	76.2	76.4	76.4
≥4000	39.0	66.6	67.1	68.1	71.8	71.9	73.2	73.8	74.2	75.8	76.4	76.7	77.3	77.3	77.5	77.5
≥3500	40.5	70.9	71.7	73.1	76.9	77.0	78.6	79.2	79.5	81.2	81.8	82.1	82.7	82.7	82.9	82.9
≥3000	40.3	72.7	73.6	75.2	79.3	79.4	81.1	81.7	82.0	83.6	84.3	84.6	85.1	85.1	85.4	85.4
≥2500	41.4	74.7	75.8	77.4	81.8	82.0	83.9	84.5	84.9	86.5	87.2	87.5	88.1	88.1	88.3	88.3
≥2000	42.0	75.3	76.5	78.4	82.9	83.1	84.9	85.6	86.0	87.6	88.3	88.6	89.1	89.1	89.3	89.3
≥1800	42.7	76.9	78.8	80.7	85.3	85.5	87.3	88.2	88.7	90.3	91.0	91.3	91.8	91.8	92.0	92.0
≥1600	42.7	77.0	78.9	80.8	85.4	85.6	87.4	88.3	88.8	90.4	91.1	91.4	91.9	91.9	92.1	92.1
≥1400	42.4	77.7	79.4	82.0	86.8	87.0	88.9	89.8	90.3	92.0	92.7	93.0	93.5	93.5	93.8	93.8
≥1200	43.2	78.4	80.5	82.8	87.7	87.9	89.9	90.7	91.3	93.1	93.9	94.2	94.7	94.7	94.9	94.9
≥1000	43.2	78.6	80.7	83.0	87.9	88.2	90.2	91.1	91.6	93.4	94.2	94.5	95.0	95.0	95.3	95.3
≥900	43.2	78.7	80.8	83.1	88.1	88.3	90.3	91.2	91.7	93.5	94.3	94.6	95.2	95.2	95.4	95.4
≥800	43.2	78.9	81.1	83.3	88.4	88.6	90.6	91.5	92.0	93.9	94.6	94.9	95.5	95.5	95.7	95.7
≥700	43.2	79.0	81.2	83.4	88.5	88.7	90.7	91.2	92.1	94.5	95.3	95.6	96.1	96.1	96.3	96.3
≥600	43.6	80.1	82.3	84.7	89.8	90.1	92.6	93.5	94.1	95.9	96.7	97.0	97.5	97.5	97.7	97.7
≥500	43.8	80.4	82.7	85.0	90.1	90.4	92.9	94.1	94.6	96.4	97.2	97.5	98.1	98.1	98.6	98.6
≥400	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.0	96.9	97.6	98.0	98.5	98.5	99.0	99.1
≥300	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.5	99.0	99.0	99.6	99.7
≥200	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.5	99.0	99.0	99.6	99.7
≥100	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.6	99.1	99.2	99.9	100.0
≥0	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.6	99.1	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
 JOANETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-226

ALANA AFS AK STATION NAME

73-82

YEARS

JOAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

NO. ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	30.7	43.4	44.1	45.0	46.7	46.7	47.4	47.8	48.0	49.2	50.0	50.4	51.3	51.5	51.7	51.8
18000	32.8	45.7	46.4	47.3	49.0	49.0	49.7	50.1	50.4	51.5	52.4	52.8	53.7	54.0	54.2	54.3
16000	34.0	47.0	47.7	48.6	50.3	50.3	51.0	51.4	51.7	52.8	53.7	54.1	55.1	55.3	55.5	55.6
14000	34.3	47.3	47.8	48.7	50.4	50.4	51.2	51.6	51.8	52.9	53.8	54.2	55.2	55.4	55.6	55.7
12000	34.6	47.7	48.4	49.3	51.0	51.0	51.8	52.2	52.5	53.6	54.5	54.9	55.9	56.1	56.4	56.5
10000	35.5	48.7	49.4	50.4	52.1	52.1	52.9	53.3	53.5	54.7	55.6	55.9	56.9	57.2	57.4	57.5
8000	38.3	52.6	53.3	54.3	56.0	56.0	56.9	57.2	57.5	58.7	59.6	59.9	60.9	61.2	61.4	61.5
6000	39.3	53.8	54.5	55.5	57.2	57.2	58.1	58.5	58.8	60.0	60.9	61.3	62.2	62.5	62.7	62.9
4000	42.3	58.5	59.2	60.4	62.1	62.1	63.0	63.4	63.7	64.8	65.8	66.1	67.1	67.4	67.6	67.7
2000	44.5	61.4	62.2	63.3	65.0	65.0	66.0	66.4	66.6	67.8	68.8	69.1	70.1	70.4	70.6	70.7
1000	45.8	63.6	64.4	65.6	67.5	67.5	68.4	68.8	69.1	70.3	71.2	71.6	72.6	72.8	73.0	73.2
500	47.9	66.8	67.8	69.0	70.9	71.0	71.9	72.4	72.7	73.9	74.9	75.3	76.3	76.5	76.7	76.9
250	48.9	68.0	69.0	70.2	72.2	72.2	73.2	73.7	74.0	75.2	76.2	76.6	77.6	77.8	78.0	78.2
100	50.6	71.2	72.4	73.9	75.9	75.9	77.0	77.6	77.9	79.2	80.2	80.6	81.6	81.9	82.1	82.3
50	51.4	72.9	74.2	75.8	77.8	77.9	79.1	79.8	80.1	81.5	82.5	82.9	83.9	84.2	84.4	84.6
25	52.6	75.1	76.5	78.2	80.4	80.5	82.1	82.9	83.3	84.7	85.8	86.2	87.2	87.5	87.8	87.9
10	53.4	76.5	77.9	79.7	82.0	82.0	83.7	84.7	85.1	86.6	87.7	88.1	89.1	89.4	89.7	89.8
5	54.0	77.8	79.4	81.2	83.7	83.8	85.6	86.6	87.1	88.8	89.9	90.3	91.3	91.6	91.9	92.0
2	54.3	78.2	79.9	81.7	84.2	84.3	86.1	87.2	87.6	89.3	90.4	90.8	91.9	92.2	92.4	92.6
1	54.7	79.2	80.9	82.9	85.5	85.7	87.6	88.6	89.2	91.0	92.1	92.5	93.5	93.8	94.1	94.2
0	55.1	80.0	81.8	83.9	86.6	86.8	88.7	89.8	90.4	92.2	93.3	93.7	94.8	95.1	95.4	95.5
2000	55.1	80.2	82.0	84.2	86.9	87.1	89.1	90.3	90.9	92.7	93.9	94.3	95.4	95.7	96.0	96.1
1800	55.2	80.3	82.2	84.3	87.1	87.3	89.3	90.5	91.0	92.9	94.0	94.4	95.6	95.8	96.2	96.3
1600	55.3	80.6	82.4	84.6	87.4	87.6	89.6	90.8	91.4	93.2	94.4	94.8	96.0	96.2	96.6	96.7
1400	55.4	80.8	82.7	84.8	87.6	87.8	89.9	91.2	91.7	93.6	94.9	95.3	96.4	96.7	97.0	97.1
1200	55.6	81.2	83.1	85.3	88.1	88.3	90.4	91.7	92.3	94.2	95.4	95.8	96.9	97.2	97.5	97.7
1000	55.6	81.4	83.4	85.7	88.6	88.8	91.1	92.2	92.9	94.8	96.0	96.4	97.6	97.8	98.3	98.4
800	55.6	81.6	83.6	85.9	88.9	89.2	91.4	92.8	93.5	95.5	96.8	97.2	98.4	98.7	99.1	99.3
600	55.6	81.6	83.6	85.9	89.0	89.2	91.4	92.9	93.6	95.7	97.0	97.5	98.7	99.0	99.4	99.7
400	55.6	81.8	83.7	86.0	89.0	89.2	91.5	92.9	93.6	95.7	97.1	97.5	98.8	99.1	99.5	99.8
200	55.6	81.8	83.7	86.0	89.0	89.2	91.5	92.9	93.6	95.8	97.1	97.6	98.8	99.2	99.7	100.0
0	55.6	81.8	83.7	86.0	89.0	89.2	91.5	92.9	93.6	95.8	97.1	97.6	98.8	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 7-225 GALENA AFS AK STATION NAME 73-82 YEAR 1988

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	36.4	55.2	55.8	56.6	57.4	57.4	57.7	58.2	58.3	58.9	60.3	61.0	61.7	62.5	63.0	63.0
≥18000	37.2	56.4	57.1	57.8	58.6	58.6	58.9	59.3	59.5	60.0	61.5	62.2	62.9	63.7	64.2	64.2
≥16000	37.7	56.9	57.4	58.3	59.1	59.1	59.3	59.8	59.9	60.5	61.9	62.6	63.4	64.2	64.7	64.7
≥14000	37.9	57.4	58.1	58.9	59.7	59.7	59.9	60.4	60.5	61.1	62.5	63.2	63.9	64.8	65.2	65.2
≥12000	38.7	59.1	59.7	60.5	61.3	61.3	61.6	62.1	62.2	62.8	64.2	64.9	65.6	66.4	66.9	66.9
≥10000	38.9	59.9	60.5	61.3	62.2	62.2	62.4	62.9	63.0	63.6	65.0	65.7	66.4	67.3	67.7	67.7
≥8000	39.5	61.2	61.9	62.6	63.5	63.5	63.7	64.2	64.3	64.9	66.3	67.0	67.7	68.6	69.0	69.0
≥7000	41.0	64.2	65.0	65.8	66.7	66.7	66.9	67.4	67.5	68.1	69.5	70.2	70.9	71.7	72.2	72.2
≥6000	42.7	68.0	68.8	69.6	70.4	70.4	70.7	71.2	71.3	71.9	73.3	74.0	74.7	75.5	76.0	76.0
≥5000	42.8	69.1	70.0	70.8	71.6	71.6	72.0	72.5	72.6	73.2	74.6	75.3	76.0	76.8	77.4	77.5
≥4500	43.5	72.3	73.2	74.1	75.2	75.2	75.8	76.4	76.6	77.2	78.6	79.3	80.0	80.9	81.4	81.6
≥4000	44.2	73.8	74.7	75.8	76.8	76.8	77.4	78.0	78.3	78.8	80.3	81.0	81.7	82.5	83.1	83.2
≥3500	45.4	75.8	76.8	78.0	79.2	79.4	80.0	80.6	81.0	81.9	83.5	84.2	84.9	85.7	86.3	86.4
≥3000	46.9	78.1	79.3	80.5	81.8	82.0	82.6	83.2	83.6	84.9	86.4	87.1	87.8	88.7	89.2	89.4
≥2500	47.0	79.6	80.9	82.2	83.6	83.8	84.4	85.2	85.6	86.9	88.4	89.1	90.0	90.8	91.4	91.5
≥2000	47.0	79.8	81.1	82.4	83.8	84.0	85.1	85.7	86.4	87.9	89.5	90.2	91.0	91.8	92.4	92.6
≥1800	47.6	81.4	82.7	84.0	85.7	85.9	87.4	87.9	88.7	90.2	91.7	92.4	93.3	94.1	94.7	94.8
≥1500	47.6	81.7	83.0	84.3	85.9	86.2	87.6	88.2	88.9	90.4	92.0	92.7	93.5	94.3	94.9	95.0
≥1200	47.6	81.8	83.1	84.4	86.1	86.3	87.9	88.7	89.4	90.9	92.4	93.1	94.0	94.8	95.4	95.5
≥1000	47.6	81.9	83.3	84.6	86.3	86.5	88.2	89.2	90.2	91.7	93.3	94.0	94.8	95.6	96.2	96.3
≥900	47.6	82.2	83.6	84.9	86.5	86.8	88.4	89.5	90.4	92.0	93.6	94.3	95.3	96.1	96.7	96.8
≥800	47.6	82.3	83.7	85.0	86.6	86.9	88.5	89.6	90.5	92.1	93.7	94.4	95.4	96.2	96.8	96.9
≥700	47.6	82.3	83.7	85.0	86.6	86.9	88.7	89.7	90.7	92.2	93.9	94.6	95.6	96.5	97.0	97.2
≥600	47.6	82.5	83.9	85.2	87.0	87.2	89.0	90.1	91.0	92.6	94.2	94.9	96.1	96.9	97.5	97.6
≥500	47.6	82.5	83.9	85.2	87.0	87.2	89.0	90.1	91.0	92.6	94.2	94.9	96.1	96.9	97.5	97.6
≥400	47.6	82.5	84.3	85.7	87.7	87.9	89.7	90.9	91.8	93.4	95.2	96.0	97.3	98.1	98.7	98.8
≥300	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.4	92.3	93.9	95.6	96.5	97.8	98.6	99.3	99.4
≥200	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0
≥100	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0
≥50	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0
≥20	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 STATION 73-82 YEAR 580

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

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	35.4	53.5	54.7	54.4	55.7	55.7	55.8	56.3	56.5	57.7	59.1	60.4	61.1	61.8	62.5	62.5
≥20000	36.2	54.5	55.0	55.3	56.6	56.6	56.7	57.2	57.4	58.6	60.0	61.3	62.1	62.8	63.5	63.5
≥18000	36.8	55.1	55.6	55.9	57.2	57.2	57.3	57.8	58.0	59.2	60.6	61.9	62.6	63.4	64.1	64.1
≥16000	36.4	55.1	55.6	55.9	57.2	57.2	57.3	57.8	58.0	59.2	60.6	61.9	62.6	63.4	64.1	64.1
≥14000	36.8	55.2	55.7	56.0	57.3	57.3	57.4	57.9	58.2	59.3	60.6	62.1	62.9	63.5	64.2	64.2
≥12000	37.1	56.5	57.2	57.3	58.6	58.6	58.7	59.2	59.5	60.6	62.1	63.4	64.1	64.8	65.5	65.5
≥10000	37.8	58.6	59.1	59.6	60.9	60.9	61.0	61.5	61.7	62.9	64.3	65.6	66.3	67.0	67.7	67.7
≥9000	38.2	59.1	59.6	60.0	61.3	61.3	61.5	61.9	62.2	63.4	64.8	66.1	66.8	67.5	68.2	68.2
≥8000	40.2	61.8	62.4	62.9	64.2	64.2	64.3	64.8	65.0	66.2	67.6	68.9	69.6	70.3	71.0	71.0
≥7000	41.5	65.7	66.3	66.8	68.2	68.2	68.3	68.8	69.0	70.2	71.6	72.9	73.6	74.3	75.1	75.1
≥6000	41.8	67.5	68.1	68.6	70.0	70.0	70.1	70.6	70.8	72.0	73.4	74.7	75.4	76.4	77.2	77.2
≥5000	42.9	71.4	72.2	72.8	74.3	74.3	74.5	74.9	75.2	76.4	77.8	79.1	79.8	80.7	81.6	81.6
≥4500	43.5	72.0	72.8	73.4	74.9	74.9	75.2	75.7	75.9	77.1	78.5	79.8	80.5	81.4	82.3	82.3
≥4000	44.6	74.2	75.4	76.2	78.3	78.3	79.1	79.9	80.1	81.4	82.9	84.2	84.9	85.8	86.6	86.6
≥3500	45.4	75.8	77.1	77.8	79.8	80.1	80.9	81.7	82.0	83.3	84.8	86.1	86.8	87.7	88.5	88.5
≥3000	45.7	77.9	79.1	80.1	82.2	82.5	83.5	84.5	85.0	86.3	87.7	89.0	89.8	90.8	91.6	91.6
≥2500	45.9	78.8	80.1	81.3	83.3	83.7	84.6	85.7	86.3	87.9	89.4	90.7	91.5	92.4	93.3	93.3
≥2000	46.0	79.8	81.1	82.4	84.4	84.8	85.7	86.8	87.4	89.0	90.4	91.7	92.6	93.5	94.3	94.3
≥1800	46.2	80.3	81.7	83.0	85.0	85.3	86.3	87.4	87.9	89.6	91.0	92.3	93.1	94.1	94.9	94.9
≥1600	46.3	80.5	82.1	83.3	85.3	85.7	86.8	87.9	88.5	90.2	91.6	92.9	93.7	94.7	95.5	95.5
≥1400	46.3	80.5	82.1	83.3	85.3	85.7	86.8	87.9	88.5	90.2	91.6	92.9	93.7	94.7	95.5	95.5
≥1200	46.3	81.0	82.5	83.8	85.8	86.2	87.2	88.7	89.2	90.9	92.4	93.7	94.6	95.5	96.3	96.3
≥1000	46.3	81.2	82.7	84.0	86.1	86.4	87.5	88.9	89.5	91.1	92.7	94.0	94.8	95.7	96.6	96.6
≥900	46.3	81.3	82.9	84.2	86.2	86.5	87.6	89.0	89.6	91.3	92.8	94.1	94.9	95.8	96.7	96.7
≥800	46.3	81.4	83.1	84.3	86.3	86.6	87.7	89.1	89.7	91.6	93.3	94.6	95.4	96.3	97.2	97.2
≥700	46.3	81.6	83.1	84.4	86.4	86.8	87.8	89.2	89.8	91.7	93.4	94.7	95.5	96.5	97.3	97.3
≥600	46.3	81.8	83.3	84.8	86.9	87.2	88.4	89.8	90.7	92.6	94.2	95.5	96.5	97.4	98.2	98.2
≥500	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.6	93.5	95.3	96.6	97.6	98.6	99.5	99.5
≥400	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.6	93.5	95.3	96.6	97.6	98.6	99.5	99.5
≥300	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.6	93.5	95.3	96.6	97.6	98.6	99.5	99.5
≥200	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.6	93.5	95.3	96.6	97.6	98.6	99.5	99.5
≥100	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.6	93.5	95.3	96.6	97.6	98.6	99.5	99.5
≥0	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.6	93.5	95.3	96.6	97.6	98.6	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-225 WALENA AFS AK

73-62

FLP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. OBSERVATIONS	20000	38.7	50.9	51.3	51.8	52.6	52.6	53.0	53.3	53.4	55.4	56.6	58.0	58.7	59.7	60.8
2 18000	20000	39.4	52.2	52.6	53.1	53.8	53.9	54.3	54.6	54.7	56.7	57.9	59.3	60.0	61.0	61.8
2 16000	20000	40.2	53.1	53.4	53.9	54.8	54.8	55.2	55.6	55.7	57.8	59.0	60.4	61.1	62.1	62.9
2 14000	20000	40.2	53.1	53.4	53.9	54.8	54.8	55.2	55.6	55.7	57.8	59.0	60.4	61.1	62.1	62.9
2 12000	20000	40.5	53.4	53.9	54.3	55.2	55.2	55.6	55.9	56.0	58.2	59.3	60.8	61.5	62.4	63.2
2 10000	20000	41.3	54.8	55.2	55.7	56.6	56.6	57.0	57.4	57.6	59.7	60.9	62.3	63.0	63.9	64.8
2 8000	20000	42.3	57.1	57.7	58.4	59.3	59.3	59.7	60.2	60.3	62.4	63.6	65.0	65.7	66.7	67.5
2 6000	20000	42.9	57.8	58.4	59.1	60.0	60.0	60.4	60.9	61.0	63.1	64.3	65.7	66.4	67.4	68.2
2 4000	20000	45.9	61.3	61.7	62.8	63.7	63.7	64.1	64.5	64.7	66.6	68.0	69.4	70.1	71.0	71.9
2 2000	20000	48.0	65.1	65.7	66.7	67.7	67.7	68.1	68.7	68.8	70.9	72.1	73.5	74.2	75.2	76.0
2 1000	20000	48.3	66.9	67.5	68.4	69.5	69.5	69.9	70.4	70.6	72.7	73.9	75.3	76.0	77.0	77.9
2 500	20000	50.5	70.6	71.2	72.1	73.2	73.2	73.6	74.2	74.3	76.5	77.7	79.1	79.8	80.7	81.7
2 100	20000	50.9	71.2	71.7	72.7	73.8	73.8	74.2	74.6	74.9	77.1	78.3	79.7	80.4	81.3	82.3
2 50	20000	52.0	72.9	74.1	75.3	76.6	76.6	77.2	77.8	77.9	80.4	81.6	83.0	83.7	84.6	85.6
2 25	20000	52.4	74.1	75.3	76.5	77.8	77.8	78.4	79.3	79.4	81.9	83.1	84.5	85.2	86.2	87.1
2 12.5	20000	53.1	75.7	77.3	78.3	79.7	79.7	80.3	81.2	81.3	83.8	85.0	86.4	87.1	88.1	89.0
2 6.25	20000	53.2	76.2	77.5	79.1	80.9	80.9	81.6	82.5	82.7	85.5	86.6	88.1	88.8	89.7	90.9
2 3.125	20000	54.4	79.1	80.4	81.9	83.7	83.7	84.4	85.3	85.8	88.5	89.7	91.1	91.8	92.8	93.7
2 1.5625	20000	54.4	79.2	80.5	82.0	83.8	83.8	84.5	85.5	86.1	88.8	90.0	91.4	92.1	93.0	94.0
2 0.78125	20000	54.5	79.9	81.2	82.7	84.5	84.5	85.2	86.2	86.8	89.5	90.7	92.1	92.8	93.7	94.7
2 0.390625	20000	54.5	80.1	81.4	83.0	84.9	84.9	85.6	86.5	87.1	89.8	91.0	92.4	93.1	94.1	95.0
2 0.1953125	20000	54.5	80.3	81.6	83.1	85.0	85.0	85.7	86.6	87.2	90.1	91.3	92.7	93.4	94.3	95.3
2 0.09765625	20000	54.5	80.4	81.7	83.2	85.1	85.1	85.8	86.8	87.4	90.2	91.4	92.8	93.5	94.4	95.4
2 0.048828125	20000	54.6	80.9	82.2	83.7	85.6	85.6	86.3	87.4	88.2	91.0	92.2	93.6	94.3	95.3	96.2
2 0.0244140625	20000	54.7	81.1	82.4	83.9	85.8	85.8	86.5	87.6	88.4	91.4	92.6	94.0	94.7	95.6	96.6
2 0.01220703125	20000	54.7	81.1	82.4	83.9	85.8	85.8	86.5	87.6	88.5	91.5	92.7	94.1	94.8	95.7	96.7
2 0.006103515625	20000	55.0	82.0	83.5	85.2	87.1	87.1	87.9	89.0	90.1	93.1	94.4	95.9	96.7	97.6	98.7
2 0.0030517578125	20000	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	94.9	96.3	97.2	98.2	99.2
2 0.00152587890625	20000	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.3	98.3	99.3
2 0.000762939453125	20000	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.4	98.5	99.4
2 0.0003814697265625	20000	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.6	97.4	98.5	99.5
2 0.00019073486328125	20000	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.6	97.4	98.5	99.5

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2220 GALENA AFS AK STATION NAME

73-62 YEARS

553

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0200-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
20000	48.1	50.1	51.2	51.3	52.6	52.7	52.7	53.4	53.7	55.0	56.0	56.6	57.9	58.6	59.6	59.9
18000	49.1	51.7	52.7	52.8	54.1	54.3	54.3	55.0	55.7	56.5	57.6	58.2	59.5	60.2	61.1	61.5
16000	50.1	52.5	53.5	53.7	55.0	55.1	55.1	55.8	56.0	57.3	58.4	59.0	60.3	61.0	61.9	62.3
14000	50.4	52.7	53.8	53.9	55.2	55.3	55.3	56.0	56.3	57.6	58.6	59.2	60.5	61.2	62.2	62.5
12000	51.1	53.4	54.5	54.6	55.9	56.0	56.0	56.7	57.0	58.3	59.3	59.9	61.2	61.9	62.9	63.2
10000	52.6	55.1	56.1	56.3	57.6	57.6	57.6	58.6	58.9	60.2	61.2	61.8	63.1	63.8	64.9	65.1
8000	55.0	57.8	58.9	59.1	60.4	60.6	60.6	61.5	61.7	63.0	64.1	64.7	66.0	66.7	67.6	68.0
6000	56.6	58.5	59.6	59.8	61.1	61.3	61.3	62.2	62.4	63.7	64.8	65.4	66.7	67.4	68.3	68.7
4000	59.0	61.9	63.1	63.4	64.7	64.9	65.0	66.1	66.3	67.6	68.7	69.3	70.6	71.3	72.7	72.8
2000	64.2	67.4	68.4	68.8	70.1	70.3	70.4	71.5	71.7	73.0	74.1	74.7	76.0	76.7	77.7	78.0
1000	65.1	68.3	69.5	69.7	71.0	71.3	71.4	72.5	72.7	74.0	75.1	75.7	77.0	77.7	78.6	79.0
500	67.1	70.6	71.9	72.2	73.6	73.9	74.0	75.1	75.3	76.7	77.8	78.4	79.7	80.4	81.3	81.7
400	68.0	71.4	72.7	73.0	74.5	74.7	74.8	75.9	76.2	77.7	78.7	79.3	80.7	81.4	82.4	82.7
300	69.7	73.4	75.1	75.4	77.0	77.3	77.5	78.6	79.1	80.7	82.0	82.6	84.0	84.8	85.7	86.1
200	70.4	74.6	76.2	76.8	78.5	78.8	79.1	80.3	80.9	82.5	83.8	84.4	85.8	86.5	87.5	87.8
100	71.2	75.4	77.1	77.9	79.7	80.0	80.5	81.7	82.3	83.9	85.2	85.8	87.2	87.9	88.9	89.2
50	71.6	75.9	77.5	78.4	80.3	80.6	81.1	82.4	83.1	84.9	86.2	86.8	88.2	88.9	89.8	90.2
25	72.7	78.0	79.7	80.9	82.9	83.3	83.8	85.2	85.9	88.1	89.4	90.0	91.4	92.1	93.0	93.4
15	72.7	78.5	80.1	81.3	83.3	83.8	84.3	85.7	86.4	88.5	89.8	90.4	91.8	92.6	93.5	93.9
10	72.7	78.5	80.1	81.3	83.3	84.2	84.6	86.4	87.2	89.4	90.7	91.3	92.7	93.4	94.3	94.7
5	72.9	78.8	80.5	81.7	84.0	84.5	85.0	86.8	87.6	89.8	91.1	91.7	93.1	93.9	94.8	95.2
2	72.9	79.0	80.6	81.8	84.3	84.9	85.3	87.6	88.4	90.7	92.2	92.8	94.2	94.9	95.9	96.2
1	72.9	79.0	80.7	81.9	84.4	85.0	85.5	87.7	88.5	90.8	92.3	92.9	94.3	95.0	96.0	96.3
0	72.9	79.0	80.9	82.0	84.5	85.1	85.6	87.8	88.7	90.9	92.4	93.0	94.4	95.2	96.1	96.5
2000	72.9	79.1	80.9	82.2	84.8	85.3	85.8	88.2	89.0	91.4	92.9	93.5	94.9	95.6	96.6	96.9
1800	73.0	79.2	81.1	82.5	85.1	85.7	86.4	88.9	89.7	92.1	93.7	94.4	96.1	96.8	97.9	98.3
1600	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.4	94.1	94.8	96.7	97.5	98.7	99.2
1400	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
1200	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
1000	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
800	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
600	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
400	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
200	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
100	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
50	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
25	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
15	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
10	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
5	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
2	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
1	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4
0	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 846

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-82
STATION NAME
SALENA AFS AK

73-82

FEF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1230-1400

VISIBILITY - STATUTE MILES																
20	20	25	24	23	22	22	21	21	21	21	21	21	21	21	21	21
56.3	57.7	57.9	57.9	58.7	56.7	58.7	58.9	58.9	59.6	59.6	59.7	59.9	59.9	60.2	60.2	60.2
58.7	59.5	59.7	59.7	60.5	60.5	60.5	60.6	60.6	61.3	61.3	61.5	61.7	61.7	61.7	61.7	61.9
61.1	62.5	62.8	62.8	63.6	63.6	63.6	63.7	63.7	64.4	64.4	64.5	64.8	64.8	65.0	65.0	65.0
61.3	62.8	63.1	63.0	63.8	63.8	63.8	63.9	63.9	64.7	64.7	64.8	65.0	65.0	65.2	65.2	65.2
63.0	64.4	64.7	64.7	65.5	65.5	65.5	65.6	65.6	66.3	66.3	66.4	66.7	66.7	66.9	66.9	66.9
64.1	66.1	66.4	66.4	67.3	67.3	67.3	67.4	67.4	68.1	68.1	68.2	68.4	68.4	68.7	68.7	68.7
67.0	68.9	69.3	69.3	70.1	70.1	70.1	70.2	70.2	70.9	70.9	71.0	71.3	71.3	71.5	71.5	71.5
69.0	69.3	70.2	70.3	71.2	71.2	71.2	71.3	71.4	71.4	72.1	72.1	72.2	72.5	72.5	72.7	72.7
70.8	72.8	73.2	73.4	74.2	74.2	74.5	74.6	74.6	75.3	75.3	75.4	75.7	75.7	75.9	75.9	75.9
74.1	76.1	76.6	76.8	77.7	77.7	77.9	78.0	78.0	78.7	78.7	78.8	79.1	79.1	79.3	79.3	79.3
74.8	76.8	77.3	77.5	78.5	78.5	78.7	78.8	78.8	79.6	79.6	79.7	79.9	79.9	80.1	80.1	80.1
77.3	79.7	80.3	80.5	81.6	81.6	81.8	82.4	82.4	83.2	83.2	83.3	83.6	83.6	83.8	83.8	83.8
77.9	80.5	81.1	81.3	82.5	82.5	82.9	83.5	83.5	84.4	84.4	84.6	84.8	85.0	85.0	85.2	85.2
80.1	82.7	83.3	83.4	85.0	85.1	85.6	86.2	86.2	87.2	87.2	87.6	87.7	87.9	88.1	88.3	88.3
81.4	84.2	85.1	85.3	87.0	87.1	87.7	88.3	88.3	89.4	89.4	89.7	89.8	90.1	90.2	90.4	90.4
82.5	85.3	86.2	86.6	88.7	88.8	89.4	90.1	90.1	91.3	91.3	91.6	91.7	92.0	92.1	92.3	92.3
82.9	85.7	86.5	87.0	89.0	89.1	89.7	90.4	90.4	91.6	91.6	92.0	92.2	92.4	92.6	92.8	92.8
83.1	87.0	87.8	88.3	90.4	90.5	91.3	92.0	92.0	93.1	93.1	93.5	93.7	94.0	94.1	94.3	94.3
84.2	87.6	88.4	88.9	91.0	91.1	92.0	92.7	92.7	93.9	93.9	94.2	94.4	94.7	94.8	95.0	95.0
84.2	87.8	88.7	89.2	91.4	91.5	92.3	93.0	93.0	94.2	94.2	94.6	94.8	95.0	95.2	95.4	95.4
84.5	88.2	89.0	89.6	91.7	91.8	92.7	93.4	93.4	94.6	94.6	94.9	95.2	95.4	95.5	95.7	95.7
84.8	88.9	89.7	90.4	92.6	92.8	93.6	94.3	94.3	95.9	95.9	96.3	96.7	96.9	97.0	97.3	97.3
84.8	88.9	89.7	90.4	92.6	92.8	93.6	94.3	94.7	96.1	96.1	96.6	96.9	97.2	97.3	97.5	97.5
84.8	88.9	89.7	90.4	92.6	92.8	93.6	94.3	94.7	96.1	96.1	96.6	96.9	97.2	97.3	97.5	97.5
84.8	88.9	89.7	90.4	92.6	92.8	93.6	94.3	94.7	96.1	96.1	96.6	96.9	97.2	97.3	97.5	97.5
85.1	89.4	90.4	91.1	93.4	93.7	94.6	95.5	96.0	97.4	97.4	97.9	98.2	98.5	98.6	98.8	98.8
85.1	89.7	90.7	91.4	93.6	94.0	94.8	95.7	96.2	97.8	97.8	98.2	98.6	98.9	99.1	99.3	99.3
85.1	89.7	90.7	91.4	93.6	94.0	94.8	95.7	96.5	98.0	98.0	98.6	98.9	99.3	99.4	99.6	99.6
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.2	98.8	99.2	99.6	99.8	100.0	100.0
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.2	98.8	99.2	99.6	99.8	100.0	100.0
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.2	98.8	99.2	99.6	99.8	100.0	100.0
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.2	98.8	99.2	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 844

CLIPAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK

73-82

552

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	57.3	58.3	59.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
8000	58.9	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	59.7	59.7
6000	60.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4000	62.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2000	61.7	62.8	62.8	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
1000	64.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
800	67.1	68.3	68.3	68.4	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
600	68.1	69.6	69.6	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
400	72.5	74.2	74.6	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
200	75.5	77.4	78.0	78.1	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
100	76.2	73.3	78.8	79.0	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
80	80.1	82.5	83.1	83.2	83.5	83.5	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
60	80.9	83.5	84.2	84.3	84.6	84.6	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7
40	82.0	85.2	85.9	86.2	86.6	86.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
20	83.3	86.8	87.5	87.7	88.3	88.3	89.4	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
10	85.3	88.5	89.4	89.6	90.3	90.3	91.5	91.5	91.6	91.8	92.1	92.1	92.1	92.1	92.1	92.1
8	85.3	89.7	89.8	90.1	90.8	90.9	92.1	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
6	86.2	90.2	91.0	91.3	92.0	92.1	93.3	93.5	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1
4	86.4	90.4	91.3	91.5	92.2	92.4	94.0	94.2	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8
2	86.5	90.8	91.1	92.0	92.7	92.9	94.6	94.8	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.5
1	86.9	91.3	92.1	92.3	93.0	93.3	94.9	95.2	95.4	95.9	96.0	96.1	96.1	96.1	96.1	96.2
0.8	87.1	91.4	92.2	92.4	93.1	93.4	95.0	95.4	95.7	96.3	96.5	96.6	96.6	96.6	96.6	96.7
0.6	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8
0.4	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8
0.2	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8
0.1	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8
0.05	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8
0.02	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8
0.01	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.6	96.7	96.7	96.7	96.7	96.8

TOTAL NUMBER OF OBSERVATIONS 552

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1220 STATION NAME GALENA AFS AK

73-82

558

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-2000

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	49.8	60.2	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.9	60.9	60.9	60.9
≥ 2000	50.7	61.8	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.6	62.6	62.6	62.6
≥ 1800	51.7	63.0	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8
≥ 1600	51.7	63.0	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8
≥ 1400	52.4	63.7	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.5	64.5	64.5
≥ 1200	53.3	64.0	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.8	64.8	64.8
≥ 1000	54.6	67.1	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	68.1	68.1	68.1
≥ 800	55.0	68.2	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.4	69.4	69.4
≥ 600	57.9	72.6	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.8	73.8	73.8
≥ 400	61.1	78.5	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.7	79.7	79.9	79.9	79.9
≥ 200	61.7	79.7	80.1	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.9	80.9	81.1	81.1	81.1
≥ 100	63.9	83.1	83.7	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.8	84.8	84.8
≥ 50	64.8	84.4	85.1	85.5	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.5	86.5	86.5
≥ 25	65.6	85.3	86.2	86.5	86.9	87.0	87.4	87.4	87.4	87.4	87.4	87.5	87.6	87.6	87.8	87.8
≥ 12.5	66.3	87.2	88.1	88.4	88.9	89.0	89.4	89.4	89.4	89.4	89.4	89.6	89.7	89.7	90.0	90.0
≥ 6.25	66.7	87.8	88.7	89.1	89.5	90.3	90.7	90.8	91.0	91.0	91.0	91.3	91.4	91.6	91.6	91.6
≥ 3.125	67.0	88.4	89.2	89.7	90.9	91.1	91.7	91.8	92.1	92.3	92.3	92.4	92.4	92.7	92.7	92.7
≥ 1.5625	67.6	89.7	90.7	91.1	92.4	92.7	93.3	93.4	93.6	93.6	93.6	94.0	94.0	94.2	94.2	94.2
≥ 0.78125	67.6	89.7	90.9	91.3	92.6	92.8	93.4	93.5	93.7	94.0	94.0	94.1	94.1	94.3	94.3	94.3
≥ 0.390625	67.6	90.2	91.3	91.6	93.0	93.3	94.1	94.4	94.8	95.3	95.4	95.5	95.7	95.7	95.7	95.7
≥ 0.1953125	67.6	90.4	91.5	92.1	93.5	93.7	94.6	94.9	95.4	96.0	96.1	96.2	96.5	96.5	96.5	96.5
≥ 0.09765625	67.6	90.5	91.6	92.2	93.6	93.9	94.7	95.2	95.6	96.3	96.5	96.6	96.8	96.8	96.8	96.8
≥ 0.048828125	67.6	90.7	91.7	92.3	93.7	94.0	94.8	95.3	95.7	96.5	96.6	96.7	96.9	96.9	96.9	96.9
≥ 0.0244140625	67.6	90.9	92.0	92.6	94.0	94.2	95.0	95.6	96.1	96.8	96.9	97.0	97.3	97.3	97.3	97.3
≥ 0.01220703125	67.6	91.1	92.2	92.8	94.2	94.4	95.3	95.9	96.3	97.0	97.2	97.3	97.5	97.5	97.5	97.5
≥ 0.006103515625	67.7	91.5	92.6	93.1	94.6	94.8	95.7	96.3	96.8	97.6	97.8	97.9	98.2	98.2	98.2	98.2
≥ 0.0030517578125	67.7	91.5	92.6	93.1	94.7	94.9	96.1	96.8	98.2	99.3	99.4	99.5	99.9	99.9	99.9	99.9
≥ 0.00152587890625	67.7	91.5	92.6	93.1	94.7	94.9	96.1	96.8	98.2	99.3	99.4	99.5	99.9	99.9	99.9	99.9
≥ 0.000762939453125	67.7	91.5	92.6	93.1	94.7	94.9	96.1	96.8	98.2	99.3	99.4	99.5	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 558

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

GLOBAL CLIMATOLOGY BRANCH
LAJAFETAC
ALL WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220

SALENA AFS AK

73-82

552

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	≥ 0	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
5000	42.3	59.8	60.5	60.9	61.5	61.6	61.6	61.8	61.9	62.4	63.1	63.2	63.2	63.6	63.9	63.9
4500	42.2	61.5	62.3	62.5	63.2	63.4	63.6	63.6	63.6	64.2	64.9	65.3	65.3	65.6	65.7	65.7
4000	42.7	61.9	62.8	63.0	63.7	63.8	64.1	64.1	64.1	64.7	65.4	65.5	65.5	66.1	66.2	66.2
3500	42.7	61.9	62.8	63.0	63.7	63.8	64.1	64.1	64.1	64.7	65.4	65.5	65.5	66.1	66.2	66.2
3000	42.9	62.3	63.1	63.4	64.1	64.2	64.4	64.4	64.4	65.0	65.7	65.8	65.8	66.4	66.5	66.5
2500	44.3	64.7	65.5	65.7	66.4	66.5	66.8	66.8	66.8	67.4	68.1	68.2	68.2	68.8	68.9	68.9
2000	44.7	65.2	66.1	66.3	67.0	67.1	67.4	67.4	67.4	68.0	68.7	68.8	68.8	69.4	69.5	69.5
1500	44.7	65.5	66.3	66.5	67.6	67.7	68.0	68.0	68.0	68.6	69.3	69.4	69.4	70.0	70.1	70.1
1000	46.1	68.8	69.6	69.9	70.9	71.0	71.3	71.3	71.3	71.9	72.6	72.7	72.7	73.3	73.4	73.4
500	48.1	73.4	74.2	74.6	75.7	75.8	76.0	76.0	76.0	76.6	77.3	77.4	77.4	78.0	78.1	78.1
0	48.3	74.1	74.9	75.3	76.4	76.5	76.7	76.7	76.7	77.3	78.0	78.1	78.1	78.7	78.8	78.8
5000	49.9	77.3	77.9	78.6	79.7	79.8	80.0	80.1	80.1	80.7	81.4	81.6	81.6	82.2	82.3	82.3
4500	50.7	78.0	79.1	79.8	80.9	81.1	81.4	81.6	81.6	82.2	82.9	83.0	83.0	83.6	83.7	83.7
4000	52.1	81.0	82.0	82.9	83.9	84.3	84.9	85.0	85.1	85.7	86.4	86.5	86.5	87.1	87.2	87.2
3500	52.6	82.9	83.9	84.8	85.8	86.2	86.8	87.0	87.1	87.7	88.4	88.5	88.5	89.1	89.2	89.2
3000	52.7	83.5	84.5	85.5	87.0	87.4	88.2	88.5	88.9	89.5	90.2	90.3	90.3	90.9	91.0	91.0
2500	52.8	84.3	85.3	86.3	88.1	88.4	89.4	89.8	90.2	91.0	91.7	91.8	91.8	92.4	92.6	92.6
2000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
0	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
5000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
0	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
5000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
0	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
5000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
0	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
5000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
1000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
0	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
5000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
4000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
3000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2500	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9
2000	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12220 WALENA AFS AK STATION NAME

73-62 YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13
1000	45.6	55.7	56.2	55.4	57.2	57.2	57.3	57.6	57.7	58.5	59.2	59.8	60.2	60.7	61.1
2	46.4	57.1	57.6	57.9	58.6	58.7	58.8	59.0	59.1	59.9	60.7	61.2	61.7	62.2	62.6
3	47.6	58.3	58.8	59.1	59.9	59.9	60.0	60.3	60.4	61.2	61.9	62.4	62.9	63.4	63.9
4	47.7	58.4	58.9	59.2	59.9	60.0	60.1	60.3	60.4	61.2	62.0	62.5	63.0	63.5	64.0
5	48.3	59.1	59.6	59.8	60.6	60.6	60.7	61.0	61.1	61.9	62.6	63.2	63.7	64.1	64.6
6	49.6	60.9	61.4	61.7	62.5	62.5	62.6	62.9	63.0	63.8	64.6	65.1	65.6	66.1	66.5
7	50.9	62.9	63.4	63.8	64.5	64.6	64.7	65.0	65.1	65.9	66.7	67.2	67.7	68.1	68.5
8	51.5	63.7	64.3	64.6	65.5	65.5	65.7	66.0	66.0	66.9	67.6	68.1	68.6	69.1	69.5
9	54.2	67.2	67.9	68.3	69.1	69.1	69.3	69.6	69.7	70.5	71.3	71.8	72.3	72.8	73.3
10	56.4	71.5	72.1	72.6	73.4	73.5	73.7	74.0	74.1	74.9	75.7	76.2	76.7	77.2	77.6
11	57.4	72.6	73.3	73.7	74.6	74.7	74.9	75.2	75.3	76.1	76.8	77.4	77.9	78.4	78.9
12	58.4	75.9	76.7	77.2	78.2	78.2	78.5	78.9	79.0	79.9	80.6	81.2	81.6	82.2	82.7
13	60.1	76.8	77.7	78.2	79.2	79.3	79.7	80.1	80.2	81.1	81.9	82.4	82.9	83.4	84.0
14	61.4	78.8	79.9	80.5	81.7	81.8	82.4	82.9	83.0	84.1	84.9	85.4	85.9	86.5	87.0
15	62.4	80.5	81.5	82.2	83.5	83.7	84.3	84.8	85.0	86.1	87.0	87.5	88.0	88.5	89.1
16	63.1	81.7	82.8	83.7	85.1	85.3	86.1	86.7	87.0	88.1	88.9	89.5	90.0	90.5	91.1
17	63.2	82.3	83.4	84.3	85.9	86.1	86.9	87.6	88.0	89.2	90.1	90.6	91.1	91.7	92.2
18	63.9	83.9	85.1	85.9	87.6	87.6	88.7	89.4	89.8	91.1	92.0	92.5	93.1	93.6	94.1
19	64.1	84.1	85.3	86.2	87.9	88.2	89.1	89.8	90.2	91.5	92.3	92.9	93.4	94.0	94.5
20	64.1	84.3	85.5	86.5	88.2	88.5	89.5	90.3	90.8	92.1	92.9	93.5	94.0	94.5	95.1
21	64.2	84.6	85.9	86.7	88.5	88.7	89.8	90.7	91.2	92.6	93.4	94.0	94.5	95.0	95.6
22	64.3	84.9	86.1	87.1	88.9	89.2	90.2	91.2	91.7	93.2	94.1	94.7	95.3	95.8	96.4
23	64.3	85.0	86.2	87.2	89.0	89.2	90.3	91.3	91.9	93.3	94.3	94.9	95.4	96.0	96.5
24	64.3	85.1	86.3	87.3	89.1	89.4	90.5	91.5	92.1	93.5	94.5	95.1	95.7	96.2	96.8
25	64.3	85.3	86.6	87.5	89.3	89.7	90.7	91.8	92.4	93.9	94.9	95.5	96.1	96.6	97.2
26	64.4	85.6	86.8	87.8	89.6	89.9	91.0	92.1	92.7	94.3	95.2	95.8	96.4	97.0	97.5
27	64.5	85.9	87.2	88.3	90.2	90.5	91.7	92.8	93.4	95.1	96.1	96.7	97.4	98.0	98.6
28	64.5	85.9	87.2	88.4	90.4	90.6	92.0	93.2	94.1	95.8	96.9	97.5	98.3	98.8	99.5
29	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.6	99.1	99.8
30	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.6	99.2	99.9
31	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.7	99.2	100.0
32	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

CLIMATE CLIMATOLOGY BRANCH
AFETAC
4TH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000

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	
NO.	CEILING																
2	20000	42.7	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.9	
2	18000	43.2	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.1	
2	16000	44.1	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.2	
2	14000	44.3	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.2	
2	12000	44.6	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.3	
2	10000	45.2	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	
2	9500	47.0	69.2	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	70.0	
2	9000	47.2	69.5	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.2	
2	8500	49.1	72.0	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.9	
2	8000	50.5	74.8	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.7	
2	7500	51.4	76.2	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.1	
2	7000	52.9	79.7	80.2	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.1	
2	6500	53.3	80.5	81.4	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.5	
2	6000	54.8	84.5	85.4	86.2	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.9	87.0	
2	5500	55.6	86.6	87.4	88.4	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.4	
2	5000	56.1	87.5	88.4	89.4	89.9	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.8	
2	4500	56.6	88.2	89.2	90.4	91.2	91.6	91.9	92.0	92.5	92.6	92.6	92.6	92.6	92.7	92.8	
2	4000	57.0	89.8	90.9	92.2	92.9	93.3	93.7	93.8	94.2	94.4	94.4	94.4	94.4	94.5	94.6	
2	3500	57.3	90.2	91.3	92.6	93.3	93.8	94.1	94.2	94.6	94.8	94.8	94.8	94.8	94.9	95.1	
2	3000	57.4	90.5	91.7	93.0	94.1	94.5	94.9	95.1	95.6	95.9	95.9	95.9	95.9	96.1	96.2	
2	2500	57.4	91.5	93.0	94.5	95.8	96.2	96.8	97.0	97.5	98.1	98.2	98.3	98.3	98.4	98.5	
2	2000	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	1800	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	1600	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	1400	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	1200	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	1000	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	950	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	900	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	850	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	800	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	750	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	700	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	650	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	600	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	550	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	500	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.9	99.0	
2	400	58.0	92.5	94.7	95.5	96.9	97.4	98.0	98.2	98.7	99.2	99.4	99.6	99.6	99.7	99.8	
2	300	58.0	92.6	94.1	95.6	97.0	97.5	98.1	98.3	98.8	99.4	99.6	99.8	99.8	99.9	100.0	
2	200	58.0	92.6	94.1	95.6	97.0	97.5	98.1	98.3	98.8	99.4	99.6	99.8	99.8	99.9	100.0	
2	100	58.0	92.6	94.1	95.6	97.0	97.5	98.1	98.3	98.8	99.4	99.6	99.8	99.8	99.9	100.0	

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2225 GALENA AFS AK

73-87

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0350-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.7	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.5
≥ 20000	37.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0
≥ 18000	38.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 16000	38.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 14000	39.1	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5
≥ 12000	39.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
≥ 10000	41.7	61.9	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3
≥ 8000	41.5	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8
≥ 6000	45.2	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
≥ 4000	46.7	70.3	70.4	70.5	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0
≥ 2000	48.1	72.7	72.9	73.0	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7
≥ 1000	49.4	76.7	76.3	76.5	77.2	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7
≥ 800	49.6	76.8	77.1	77.2	78.0	78.0	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.6
≥ 600	51.1	80.4	81.4	81.8	82.8	82.8	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.7	83.7
≥ 400	52.7	83.4	84.3	84.7	85.9	86.1	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9	87.0	87.0
≥ 200	52.7	84.4	85.5	86.1	87.5	87.7	88.4	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.4	89.4
≥ 100	52.4	86.1	87.7	87.7	89.6	89.6	90.5	91.0	91.5	91.5	91.6	91.6	91.6	91.6	91.7	91.7
≥ 80	52.7	87.2	88.4	89.4	91.5	91.7	92.6	93.2	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2
≥ 60	52.7	88.2	89.4	90.3	92.5	92.7	93.5	94.2	94.9	94.9	95.1	95.1	95.1	95.1	95.2	95.2
≥ 40	52.7	88.7	90.7	91.1	93.3	93.5	94.4	95.1	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0
≥ 20	52.8	89.6	91.7	92.0	94.4	94.7	96.0	96.9	97.6	97.7	97.8	97.8	97.8	97.8	98.0	98.0
≥ 10	53.1	89.9	91.3	92.4	94.7	95.1	96.5	97.3	98.1	98.2	98.3	98.3	98.3	98.3	98.4	98.4
≥ 8	53.2	90.0	91.4	92.5	94.8	95.2	96.6	97.4	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5
≥ 6	53.2	90.1	91.6	92.7	95.1	95.4	96.8	97.6	98.4	98.5	98.6	98.6	98.6	98.6	98.7	98.7
≥ 4	53.2	90.2	91.7	92.8	95.2	95.5	96.9	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.8	98.8
≥ 2	53.2	90.2	91.7	92.8	95.2	95.5	96.9	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.8	98.8
≥ 1	53.3	90.5	92.0	93.1	95.5	95.8	97.2	98.1	98.8	98.9	99.1	99.1	99.1	99.1	99.2	99.2
≥ 0.5	53.7	90.9	92.4	93.4	95.8	96.1	97.5	98.4	99.1	99.2	99.5	99.6	99.6	99.6	99.7	99.7
≥ 0.2	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 0.1	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 0.05	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 0.02	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 0.01	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 030

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

7-220

SALENA AFS AK

73-62

YEAR

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. CEILING ≥ 20000	45.9	49.5	49.5	49.8	51.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3
2 18000	48.1	51.7	51.9	52.3	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9
2 16000	50.1	54.1	54.1	54.4	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1
2 14000	50.5	54.5	54.5	54.8	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5
2 12000	51.6	55.6	55.6	55.9	56.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6
2 10000	52.2	56.1	56.1	56.4	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
2 9000	53.9	58.1	58.1	58.5	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1
2 8000	54.2	58.4	58.4	58.8	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5
2 7000	59.4	64.4	64.4	64.9	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8
2 6000	62.2	67.7	67.7	68.1	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
2 5000	64.4	70.6	70.6	71.2	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3
2 4500	66.7	73.3	73.3	73.9	74.6	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4
2 4000	68.3	74.6	74.6	75.4	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9
2 3500	70.4	76.4	76.4	77.8	81.0	81.0	81.7	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
2 3000	72.3	81.5	82.0	83.1	84.3	84.3	85.2	85.7	85.9	86.3	86.3	86.3	86.3	86.5	86.5	86.5
2 2500	74.1	83.5	84.1	85.2	86.5	86.5	87.7	88.4	88.7	89.2	89.2	89.2	89.2	89.4	89.4	89.4
2 2000	74.6	84.4	85.1	86.3	88.1	88.2	89.8	90.5	91.1	91.8	91.8	91.8	91.8	92.0	92.0	92.0
2 1800	75.7	86.2	86.9	88.2	90.0	90.1	91.8	92.7	93.2	94.1	94.1	94.1	94.1	94.3	94.3	94.3
2 1600	75.8	86.6	87.3	88.7	90.6	90.9	92.6	93.4	94.1	94.9	94.9	94.9	94.9	95.2	95.2	95.2
2 1400	75.9	86.7	87.5	88.9	90.9	91.2	93.0	93.9	94.5	95.6	95.6	95.6	95.6	95.8	95.8	95.8
2 1200	76.1	87.0	87.8	89.4	91.3	91.6	93.5	94.5	95.3	96.3	96.3	96.3	96.3	96.6	96.6	96.6
2 1000	76.6	87.4	88.5	90.1	92.3	92.6	94.5	95.5	96.2	97.3	97.6	97.6	97.6	97.8	97.8	97.8
2 900	76.8	88.1	88.9	90.5	92.7	93.0	94.9	95.9	96.7	97.8	98.2	98.2	98.2	98.4	98.4	98.4
2 800	76.9	88.3	89.1	90.8	92.9	93.2	95.2	96.1	96.9	98.1	98.4	98.4	98.4	98.6	98.6	98.6
2 700	76.9	88.5	89.4	91.0	93.1	93.4	95.4	96.3	97.1	98.3	98.7	98.7	98.7	98.9	98.9	98.9
2 600	77.1	88.8	89.7	91.3	93.5	93.9	95.8	96.8	97.5	98.8	99.2	99.2	99.2	99.5	99.5	99.5
2 500	77.1	88.9	89.9	91.6	93.9	94.2	96.1	97.2	98.0	99.2	99.7	99.7	99.7	99.9	99.9	99.9
2 400	77.1	88.9	89.9	91.6	93.9	94.2	96.1	97.2	98.0	99.2	99.7	99.7	99.7	99.9	99.9	99.9
2 300	77.1	88.9	89.9	91.6	93.9	94.2	96.1	97.2	98.0	99.2	99.7	99.7	99.7	99.9	99.9	99.9
2 200	77.1	88.9	89.9	91.6	93.9	94.2	96.1	97.2	98.0	99.2	99.7	99.7	99.7	99.9	99.9	99.9
2 100	77.1	88.9	89.9	91.6	93.9	94.2	96.1	97.2	98.0	99.2	99.7	99.7	99.7	99.9	99.9	99.9
2 000	77.1	88.9	89.9	91.6	93.9	94.2	96.1	97.2	98.0	99.2	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222

GALENA AFS AK

STATION NAME

73-82

YEAR

MA2

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1922-1928

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	47.3	48.7	49.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	49.7	50.4	50.6	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	51.4	52.8	53.1	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	52.4	53.3	53.7	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 14000	54.2	55.2	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	54.8	56.1	56.5	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	57.4	58.6	59.0	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	58.0	59.2	59.7	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	63.0	64.7	65.3	65.6	66.1	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	65.6	68.1	68.5	68.9	69.5	69.7	69.7	69.9	70.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4
≥ 6000	68.8	71.3	71.8	72.3	72.9	73.1	73.1	73.4	73.5	73.8	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	71.9	74.7	75.3	75.8	76.6	76.9	77.0	77.3	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	73.1	75.9	76.5	77.0	77.7	78.1	78.3	78.6	78.8	79.1	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	76.9	80.6	81.4	82.4	83.5	83.9	84.5	84.8	85.2	85.9	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3500	78.5	82.6	83.3	84.4	85.7	86.1	86.8	87.3	87.6	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	79.7	84.1	84.9	86.1	87.4	87.8	88.8	89.4	89.7	90.5	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	80.6	85.1	85.9	87.4	89.0	89.6	91.1	91.8	92.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	81.4	86.1	87.1	88.5	90.2	90.6	92.4	93.2	93.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	81.5	86.2	87.2	88.7	90.4	91.0	92.6	93.4	93.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	81.8	86.6	87.6	89.1	91.1	91.6	93.2	94.1	94.5	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	82.3	87.1	88.1	89.6	91.5	92.0	93.7	94.5	94.9	96.3	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	82.7	87.5	88.7	90.2	92.2	92.7	94.3	95.2	95.6	97.1	98.0	98.0	98.1	98.1	98.1	98.1
≥ 900	82.8	87.7	88.9	90.4	92.4	92.9	94.5	95.4	95.8	97.3	98.2	98.2	98.3	98.3	98.3	98.3
≥ 800	83.0	88.1	89.1	90.6	92.6	93.1	94.7	95.6	96.1	97.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 700	83.0	88.1	89.2	90.8	92.7	93.2	94.8	95.7	96.1	97.8	98.9	98.9	99.1	99.1	99.1	99.1
≥ 600	83.1	88.3	89.5	91.0	92.9	93.4	95.1	95.9	96.3	98.1	99.2	99.2	99.5	99.5	99.5	99.5
≥ 500	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.8	99.8	99.8	99.8
≥ 400	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 300	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 200	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 100	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 0	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220

GALENA AFS AK STATION NAME

73-82

YEARS

1982

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	24	22	20	18	16	14	12	10	8	6	4	2	1	0
20000	53.5	54.1	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
18000	55.4	55.7	55.9	56.0	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
16000	58.7	59.4	59.4	59.5	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
14000	56.7	59.4	59.4	59.5	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
12000	59.8	60.4	60.4	60.5	60.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
10000	61.2	61.6	61.7	61.7	62.0	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
8000	63.1	63.8	63.9	64.1	64.3	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
6000	63.3	64.1	64.2	64.6	64.9	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
4000	66.5	69.4	69.5	69.9	70.4	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2000	71.4	72.9	73.3	73.4	74.0	74.2	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1000	73.1	74.6	74.7	75.4	76.0	76.3	77.0	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
500	74.7	76.6	76.6	77.4	78.1	78.4	79.0	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
200	75.1	76.8	77.1	78.0	78.6	78.9	79.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
100	77.3	80.3	80.9	81.7	82.4	82.8	84.2	84.7	84.9	85.3	85.3	85.3	85.3	85.4	85.4	85.4
50	80.0	83.0	83.9	84.6	85.4	85.6	87.6	88.2	88.5	88.9	88.9	88.9	88.9	89.7	89.0	89.0
20	81.4	84.6	85.2	86.2	87.1	87.7	89.8	90.4	90.9	91.3	91.4	91.4	91.5	91.6	91.6	91.6
10	83.1	86.3	87.1	88.2	89.1	89.9	92.3	92.9	93.4	94.0	94.1	94.1	94.2	94.3	94.3	94.3
5	83.7	86.9	87.6	88.8	89.9	90.6	93.1	93.8	94.4	95.3	95.5	95.6	95.7	95.9	95.9	95.9
2	84.3	87.8	88.7	90.0	91.2	91.8	94.6	95.3	95.9	97.0	97.2	97.3	97.4	97.6	97.6	97.6
1	84.6	88.2	89.7	90.3	91.6	92.4	95.1	95.8	96.5	97.6	97.8	98.0	98.1	98.3	98.3	98.3
0.5	84.6	88.3	89.1	90.4	91.7	92.5	95.2	95.9	96.6	97.7	98.1	98.2	98.4	98.6	98.6	98.6
0.2	84.8	88.5	89.4	90.6	91.9	92.7	95.4	96.1	96.8	98.0	98.4	98.5	98.7	98.9	98.9	98.9
0.1	84.9	88.6	89.5	90.8	92.0	92.8	95.5	96.2	96.9	98.3	98.8	98.9	99.1	99.4	99.4	99.4
0.05	84.9	88.6	89.5	90.8	92.0	92.8	95.5	96.2	96.9	98.3	98.8	98.9	99.1	99.4	99.4	99.4
0.02	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.2	99.5	99.7	99.7	99.7
0.01	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.8	99.8	99.8	99.8
0.005	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.8	99.8	99.8	99.8
0.002	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.8	99.8	99.8	99.8
0.001	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220

GALENA AFS AK

STATION NAME

73-82

YEARS

MAP

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	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILING	53.9	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
≥ 20000	56.1	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	60.1	60.6	60.9	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
≥ 16000	60.2	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	61.1	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	62.7	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	64.7	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	65.7	66.5	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	71.4	72.4	72.7	72.7	72.7	72.7	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	74.4	75.7	76.1	76.2	76.2	76.2	76.2	76.7	77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	76.9	77.8	78.3	78.4	78.4	78.4	78.8	79.2	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	78.4	80.3	80.8	81.0	81.1	81.1	81.5	82.0	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4500	79.4	81.3	81.7	81.9	82.0	82.0	82.6	83.1	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000	81.7	84.0	84.4	84.6	84.8	84.8	85.5	86.5	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	83.9	86.2	86.9	87.0	87.2	87.2	88.0	89.0	89.1	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000	84.5	86.9	87.5	88.7	88.4	88.4	89.5	90.8	91.0	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	85.5	88.9	89.8	90.3	91.1	91.1	92.3	93.5	93.8	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	87.1	89.6	90.5	91.1	91.9	92.0	93.3	94.7	95.3	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	87.1	89.6	90.5	91.1	91.9	92.0	93.3	94.7	95.3	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	87.3	89.9	91.7	91.5	92.4	92.5	93.9	95.6	96.1	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEARS

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1830-2000

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	50.8	53.2	53.3	53.3	53.4	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 18000	53.5	56.3	56.5	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	56.1	59.2	59.4	59.4	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 14000	56.8	59.6	59.7	59.7	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 12000	57.7	60.9	61.1	61.1	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 10000	58.4	61.6	61.7	61.7	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	61.3	64.6	64.7	64.9	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 6000	62.4	65.7	65.8	66.0	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4000	67.4	71.3	71.4	71.6	71.9	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	69.7	73.8	73.9	74.4	74.7	74.8	75.2	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1000	71.4	74.6	74.8	75.4	75.8	75.9	76.2	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 500	72.9	77.6	77.8	78.5	78.9	79.0	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 400	74.2	78.9	79.1	79.8	80.2	80.3	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 300	78.2	84.4	84.6	85.4	85.9	86.1	86.7	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 250	79.2	85.6	86.1	86.9	87.4	87.6	88.3	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 200	80.1	86.8	87.4	88.5	89.2	89.6	90.3	91.0	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 150	80.6	87.4	88.1	89.5	90.3	90.6	91.6	92.4	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 100	82.0	89.0	89.9	91.4	92.3	92.7	93.9	94.7	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 80	82.2	89.1	90.1	91.6	92.5	92.9	94.1	94.9	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 60	82.7	89.8	90.9	92.5	93.3	93.9	95.2	96.0	96.6	97.0	97.1	97.1	97.2	97.3	97.3	97.3
≥ 40	83.1	90.4	91.5	93.1	94.0	94.5	95.8	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.3	98.3
≥ 30	83.1	90.4	91.5	93.1	94.0	94.5	95.9	97.1	97.7	98.5	98.6	98.6	98.8	98.9	98.9	98.9
≥ 20	83.1	90.4	91.5	93.1	94.0	94.5	95.9	97.1	97.7	98.5	98.6	98.6	98.8	98.9	98.9	98.9
≥ 10	83.2	90.5	91.6	93.2	94.2	94.7	96.1	97.3	98.0	98.7	99.0	99.0	99.2	99.4	99.4	99.4
≥ 5	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 2	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 1	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 0.5	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 0.25	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 0.1	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 0.05	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 0.025	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 0.01	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7
≥ 0.005	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.4	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2102-2395

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	41.1	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	42.2	62.2	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	43.1	63.3	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
≥ 16000	43.2	63.4	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 14000	43.8	64.0	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	44.1	64.2	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	44.8	65.6	65.9	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
≥ 9000	45.4	66.3	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 8000	45.4	70.5	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	49.9	73.3	73.8	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000	51.2	75.3	75.7	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	53.2	79.5	79.9	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4500	53.4	80.0	80.5	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	55.8	84.2	85.2	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	56.6	85.7	86.7	87.7	88.5	88.6	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000	57.4	87.6	88.7	90.0	90.9	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	57.7	88.4	89.7	91.2	92.0	92.2	92.3	92.5	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	58.9	89.5	90.8	92.4	93.3	93.4	93.5	93.8	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	58.7	89.8	91.2	92.8	93.9	94.0	94.1	94.3	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1600	59.9	90.6	92.2	93.9	94.9	95.1	95.3	95.5	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1400	59.7	91.3	92.8	94.7	96.0	96.1	96.5	96.8	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	60.0	92.0	93.5	95.5	97.1	97.2	97.7	98.1	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4
≥ 400	60.0	92.0	93.5	95.5	97.1	97.2	97.7	98.1	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4
≥ 300	60.0	92.0	93.5	95.5	97.1	97.2	97.7	98.1	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4
≥ 200	60.0	92.0	93.5	95.5	97.1	97.2	97.7	98.1	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4
≥ 100	60.0	92.0	93.5	95.5	97.1	97.2	97.7	98.1	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 810

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

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-225 GALENA AFS AK STATION NAME

73-82 YEARS

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET		VISIBILITY, STATUTE MILES															
		≥10	26	25	24	13	22	22	21	21	21	21	21	21	21	21	21
NO. OF OBS.	20000	46.9	54.7	54.8	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
18000	2	48.2	56.8	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4
16000	2	50.3	59.0	59.2	59.3	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
14000	2	50.8	59.2	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
12000	2	51.5	60.3	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
10000	2	52.1	61.0	61.2	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
8000	2	54.2	63.4	63.6	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
6000	2	54.7	64.0	64.2	64.4	64.6	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
4000	2	59.0	69.1	69.3	69.5	69.8	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
2000	2	61.3	72.3	72.4	72.7	72.9	73.0	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6
1000	2	63.0	74.2	74.4	74.8	75.2	75.3	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9
500	2	65.0	77.2	77.5	78.0	78.5	78.6	78.9	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4
250	2	65.8	78.1	78.5	79.1	79.5	79.6	80.0	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5
100	2	68.3	82.1	82.4	83.5	84.2	84.3	84.9	85.2	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7
50	2	69.8	84.3	85.0	85.9	86.6	86.8	87.5	88.0	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5
25	2	70.7	85.7	86.5	87.4	88.4	88.6	89.5	90.0	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8
10	2	71.5	86.8	87.7	88.9	90.1	90.4	91.5	92.1	92.5	93.0	93.1	93.1	93.2	93.2	93.2	93.2
5	2	72.3	88.0	89.0	90.2	91.5	91.8	93.0	93.7	94.3	94.9	95.1	95.1	95.1	95.1	95.2	95.2
2	2	72.4	88.3	89.3	90.6	91.9	92.2	93.4	94.1	94.7	95.3	95.5	95.5	95.5	95.5	95.6	95.6
1	2	72.7	88.8	89.9	91.1	92.6	93.0	94.3	95.1	95.6	96.3	96.6	96.6	96.6	96.6	96.7	96.7
0.5	2	72.9	89.4	90.5	91.9	93.4	93.6	95.2	96.0	96.5	97.4	97.6	97.7	97.7	97.7	97.8	97.8
0.2	2	73.1	89.6	90.8	92.2	93.7	94.1	95.6	96.4	97.1	97.9	98.2	98.3	98.4	98.4	98.5	98.5
0.1	2	73.2	89.8	90.9	92.3	93.8	94.3	95.7	96.6	97.2	98.1	98.4	98.4	98.5	98.6	98.6	98.6
0.05	2	73.3	89.8	91.0	92.4	94.0	94.4	95.8	96.7	97.3	98.3	98.7	98.7	98.8	98.8	98.9	98.9
0.02	2	73.3	89.9	91.1	92.5	94.0	94.5	95.9	96.8	97.4	98.4	98.8	98.8	99.0	99.0	99.0	99.0
0.01	2	73.3	90.0	91.2	92.6	94.1	94.6	96.0	96.9	97.5	98.5	98.9	98.9	99.1	99.1	99.2	99.2
0.005	2	73.4	90.2	91.4	92.7	94.3	94.8	96.2	97.1	97.7	98.7	99.2	99.2	99.4	99.4	99.5	99.5
0.002	2	73.4	90.3	91.5	92.9	94.5	94.9	96.4	97.2	97.9	98.8	99.3	99.3	99.6	99.6	99.7	99.7
0.001	2	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.5	99.8	99.8	99.9	99.9
0.0005	2	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.5	99.8	99.8	99.9	99.9
0.0002	2	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.5	99.8	99.8	99.9	99.9
0.0001	2	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.5	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2222 GALENA AFS AK STATION NAME

73-62

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	45.8	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	60.4
≥18000	48.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥16000	49.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥14000	49.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥12000	49.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥10000	49.9	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
≥8000	51.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥7000	52.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥6000	54.0	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥5000	56.7	76.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥4500	57.6	77.4	77.6	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥4000	58.9	80.8	80.9	81.1	81.1	81.1	81.1	81.6	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0
≥3500	59.2	81.4	81.7	81.9	81.9	81.9	81.9	82.3	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8
≥3000	59.9	83.9	84.1	84.3	84.3	84.3	84.3	85.0	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4
≥2500	61.2	86.7	86.9	87.2	87.2	87.2	87.2	87.9	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3
≥2000	61.8	89.9	90.1	90.4	90.4	90.4	90.4	91.7	91.8	91.8	92.1	92.2	92.2	92.2	92.2	92.2
≥1800	62.1	90.8	91.0	91.7	91.8	91.8	91.8	93.0	93.1	93.1	93.4	93.6	93.6	93.8	93.8	93.8
≥1600	62.3	92.4	93.3	94.1	94.4	94.4	94.4	95.7	95.8	95.8	96.1	96.2	96.2	96.4	96.4	96.4
≥1400	62.4	92.6	93.4	94.3	94.7	94.7	94.7	96.0	96.1	96.1	96.4	96.6	96.6	96.8	96.8	96.8
≥1200	62.7	92.9	93.8	94.7	95.0	95.0	95.0	96.3	96.6	96.6	96.9	97.0	97.0	97.2	97.2	97.2
≥1000	62.7	93.3	94.2	95.4	95.8	95.8	95.8	97.1	97.4	97.4	97.9	98.0	98.0	98.2	98.2	98.2
≥900	62.7	93.4	94.3	95.6	96.0	96.0	96.0	97.4	97.8	97.8	98.2	98.3	98.3	98.6	98.6	98.6
≥800	62.7	93.4	94.3	95.6	96.0	96.0	96.0	97.8	98.1	98.8	99.2	99.3	99.3	99.6	99.6	99.6
≥700	62.7	93.4	94.3	95.6	96.0	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7
≥600	62.7	93.4	94.3	95.6	96.0	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7
≥500	62.7	93.4	94.4	95.7	96.1	96.1	96.1	97.9	98.2	98.9	99.4	99.6	99.6	99.8	99.8	99.8
≥400	62.7	93.6	94.4	95.7	96.1	96.1	96.1	97.9	98.2	98.9	99.4	99.6	99.6	99.8	99.8	99.8
≥300	62.7	93.7	94.4	95.8	96.2	96.2	96.2	98.0	98.3	99.0	99.6	99.8	99.8	100.0	100.0	100.0
≥200	62.7	93.7	94.4	95.8	96.2	96.2	96.2	98.0	98.3	99.0	99.6	99.8	99.8	100.0	100.0	100.0
≥100	62.7	93.7	94.4	95.8	96.2	96.2	96.2	98.0	98.3	99.0	99.6	99.8	99.8	100.0	100.0	100.0
≥0	62.7	93.7	94.4	95.8	96.2	96.2	96.2	98.0	98.3	99.0	99.6	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 000

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

7-220- GALENA AFS AK STATION NAME

73-62

692

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

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
20000	43.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.6	51.6	51.8	51.9	51.9	51.9
18000	46.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.9	53.9	54.1	54.1	54.2	54.2
16000	48.2	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	56.1	56.1	56.3	56.3	56.4	56.4
14000	48.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.4	56.4	56.7	56.7	56.8	56.8
12000	49.1	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	57.0	57.0	57.2	57.2	57.3	57.3
10000	49.2	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	57.1	57.1	57.3	57.3	57.4	57.4
9000	51.9	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.6	60.6	60.8	60.8	61.0	61.0	61.1	61.1
8000	52.8	61.3	61.4	61.4	61.4	61.6	61.6	61.6	61.7	61.7	61.9	61.9	62.1	62.1	62.2	62.2
7000	56.4	65.8	65.9	66.1	66.1	66.3	66.3	66.3	66.4	66.4	66.7	66.7	66.9	66.9	67.0	67.0
6000	60.2	70.3	70.4	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.3	71.3	71.6	71.6	71.7	71.7
5000	61.1	71.2	71.3	71.6	71.7	71.9	72.1	72.1	72.2	72.2	72.4	72.4	72.7	72.7	72.8	72.8
4500	64.0	75.7	76.2	76.8	77.0	77.2	77.4	77.4	77.6	77.6	77.8	77.8	78.0	78.0	78.3	78.3
4000	64.2	76.2	77.0	77.6	77.8	78.0	78.2	78.2	78.3	78.3	78.6	78.6	78.8	78.8	79.1	79.1
3500	67.2	81.2	82.1	82.7	82.9	83.1	83.3	83.3	83.4	83.6	83.8	83.8	84.0	84.0	84.3	84.3
3000	69.1	83.8	84.7	85.2	85.4	85.7	85.9	85.9	86.0	86.1	86.3	86.3	86.6	86.6	86.9	86.9
2500	70.4	86.3	87.3	88.0	88.2	88.4	88.4	88.4	88.9	89.1	89.3	89.6	89.6	89.8	89.8	90.1
2000	71.4	87.4	88.7	89.3	89.8	90.0	90.4	90.4	90.7	91.0	91.2	91.2	91.4	91.4	91.7	91.7
1500	73.2	90.4	92.1	93.0	93.6	93.9	94.3	94.3	94.6	94.9	95.1	95.1	95.3	95.3	95.7	95.7
1000	73.4	91.1	92.4	93.3	93.9	94.2	94.7	94.7	94.9	95.2	95.4	95.4	95.7	95.7	96.0	96.0
900	73.7	91.3	92.7	93.6	94.1	94.4	95.7	95.0	95.2	95.6	95.8	95.8	96.0	96.0	96.3	96.3
800	73.7	91.8	93.2	94.2	94.8	95.2	95.9	95.9	96.2	96.7	96.9	96.9	97.1	97.1	97.4	97.4
700	73.7	91.8	93.2	94.2	94.8	95.2	95.9	95.9	96.2	96.7	97.3	97.3	97.6	97.6	97.9	97.9
600	73.9	92.0	93.4	94.4	95.0	95.7	96.3	96.4	96.9	97.4	98.1	98.1	98.3	98.3	98.7	98.7
500	74.0	92.1	93.6	94.6	95.1	95.8	96.7	96.8	97.3	97.8	98.4	98.4	98.8	98.8	99.2	99.3
400	74.0	92.2	93.7	94.7	95.2	96.1	96.8	96.9	97.3	98.0	98.7	98.7	99.1	99.1	99.4	99.6
300	74.0	92.2	93.7	94.7	95.2	96.1	96.8	96.9	97.3	98.0	98.7	98.7	99.1	99.1	99.4	99.6
200	74.0	92.3	93.8	94.8	95.3	96.1	96.9	97.0	97.4	98.1	98.8	98.9	99.3	99.3	99.7	99.8
150	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.0	99.6	99.6	99.9	100.0
100	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.0	99.6	99.6	99.9	100.0
50	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.0	99.6	99.6	99.9	100.0
0	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.0	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

73-47

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TOTAL NUMBER OF OBSERVATIONS 650

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-225

SALENA AFS AK

STATION NAME

73-82

YEARS

AP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5999-1199

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. OF OBS.	13.7	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥20000	56.3	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥18000	60.3	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥16000	60.3	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥14000	62.1	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥12000	62.7	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥10000	65.9	66.4	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥8000	66.7	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥6000	69.4	70.3	70.3	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥4000	73.3	74.1	74.4	74.7	74.9	75.0	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥2000	74.7	75.4	75.8	76.1	76.3	76.4	76.9	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥1000	77.0	78.1	78.4	78.8	79.0	79.1	79.6	79.6	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥500	77.9	79.0	79.3	79.7	79.9	80.0	80.6	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥250	81.3	83.4	83.8	84.1	84.3	84.4	85.1	85.3	85.3	86.0	86.1	86.1	86.1	86.1	86.1	86.1
≥125	83.7	85.9	86.1	86.4	86.7	86.8	87.4	87.6	87.8	88.4	88.6	88.6	88.6	88.6	88.6	88.6
≥62.5	85.7	88.2	88.7	89.1	89.4	89.6	90.3	90.8	90.8	91.4	91.7	91.7	91.7	91.7	91.7	91.7
≥31.25	88.1	90.7	91.1	91.6	92.0	92.1	93.1	93.7	93.7	94.3	94.5	94.6	94.6	94.6	94.6	94.6
≥15.625	89.6	92.1	92.4	93.3	93.8	94.2	95.2	96.0	96.0	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥7.8125	89.7	92.3	93.0	93.6	94.1	94.6	95.6	96.3	96.3	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥3.90625	89.7	92.3	93.7	93.6	94.1	94.6	95.7	96.4	96.4	97.2	97.6	97.6	97.6	97.6	97.6	97.6
≥1.953125	90.2	92.9	93.6	94.2	94.9	95.3	96.6	97.4	97.4	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥0.9765625	90.4	93.1	93.8	94.4	95.2	95.7	97.0	97.9	98.1	99.0	99.4	99.6	99.6	99.6	99.6	99.6
≥0.48828125	90.4	93.1	93.8	94.4	95.2	95.7	97.0	97.9	98.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥0.244140625	90.4	93.1	93.8	94.4	95.2	95.7	97.0	97.9	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7
≥0.1220703125	90.4	93.1	93.8	94.4	95.2	95.7	97.0	97.9	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7
≥0.06103515625	90.7	93.3	94.1	94.8	95.6	96.0	97.3	98.2	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
≥0.030517578125	90.7	93.3	94.1	94.8	95.6	96.0	97.3	98.2	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
≥0.0152587890625	90.7	93.3	94.1	94.8	95.6	96.0	97.3	98.2	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
≥0.00762939453125	90.7	93.3	94.1	94.8	95.6	96.0	97.3	98.2	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
≥0.003814697265625	90.7	93.3	94.1	94.8	95.6	96.0	97.3	98.2	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 999

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2220 SALENA AFS AR STATION NAME

73-82 YEAR

ARF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1250-1400

		VISIBILITY - STATUTE MILES															
CEILING - FEET		≥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	≥20000	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
1	18000	56.4	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
2	16000	61.6	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
3	14000	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
4	12000	63.3	63.7	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
5	10000	64.2	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
6	9000	67.0	67.7	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
7	8000	68.6	69.2	69.4	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
8	7000	72.1	73.0	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
9	6000	74.2	75.2	75.6	75.8	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
10	5000	75.7	76.7	77.0	77.3	77.4	77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
11	4500	77.6	78.6	78.9	79.3	79.7	79.7	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
12	4000	78.4	79.4	79.8	80.2	80.6	80.6	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
13	3500	82.1	83.6	84.0	84.6	85.0	85.0	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
14	3000	84.9	86.6	87.0	87.6	88.1	88.1	88.8	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
15	2500	87.0	88.9	89.3	89.9	90.4	90.6	91.6	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4
16	2000	89.4	91.3	91.8	92.6	93.1	93.2	94.3	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2
17	1800	91.1	93.6	94.0	94.8	95.3	95.4	96.6	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
18	1600	91.1	93.6	94.0	94.8	95.3	95.4	96.6	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
19	1400	91.7	94.7	95.1	95.9	96.6	96.7	97.8	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
20	1200	91.7	94.7	95.1	96.0	96.7	96.8	98.2	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
21	1000	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
22	900	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
23	800	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
24	700	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
25	600	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
26	500	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
27	400	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
28	300	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
29	200	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
30	100	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
31	0	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ALC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 220 SALENA AFS AK STATION NAME 73-82 YEARS 1899-1999
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	≥ .01	≥ .00
20000	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
18000	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
16000	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
14000	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
12000	63.3	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	63.9
10000	64.0	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
8000	67.9	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
6000	69.3	70.2	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
4000	74.0	75.8	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
2000	76.6	78.4	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
1000	77.6	79.4	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
500	79.6	81.7	82.1	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
250	81.1	83.2	83.6	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
150	84.4	86.9	87.3	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
100	87.2	90.0	90.4	90.7	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
75	88.7	92.6	93.7	93.9	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
50	91.0	93.9	94.3	94.8	95.2	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
25	92.1	95.1	95.6	96.0	96.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
15	92.3	95.3	95.8	96.2	96.8	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
10	92.7	95.8	96.3	96.8	97.3	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
5	92.8	95.9	96.4	96.9	97.4	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2	93.0	96.2	96.8	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1	93.0	96.2	96.8	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0	93.0	96.2	96.8	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 STATION NAME DALENA AFS AK

73-82

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1997-2006

CEILING FEET		VISIBILITY STATUTE MILES															
		210	20	25	24	23	22	27	21	24	21	24	25	20	24	20	
NO CEILING	20000	52.3	52.8	52.4	52.6	52.8	52.6	52.8	52.6	52.8	52.8	52.6	52.4	52.8	52.8	52.8	
2	18000	56.4	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	
2	16000	59.2	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	
2	14000	60.4	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	
2	12000	61.2	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
2	10000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	
2	9000	66.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
2	8000	66.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
2	7000	72.8	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	
2	6000	75.3	77.4	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	
2	5000	77.1	79.1	79.4	79.4	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	
2	4500	79.1	81.3	81.9	81.9	82.3	82.3	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	
2	4000	79.8	82.0	82.6	82.7	83.1	83.1	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	
2	3500	84.6	87.7	87.7	87.9	88.3	88.3	88.8	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	
2	3000	87.6	90.2	91.3	91.2	91.8	91.9	92.3	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	
2	2500	89.1	91.9	92.8	93.0	93.6	93.7	94.2	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	
2	2000	89.8	92.6	93.4	93.7	94.3	94.6	95.2	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	
2	1800	90.9	93.8	94.8	95.1	95.8	96.0	96.8	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	
2	1600	91.0	93.9	94.9	95.2	95.9	96.1	96.9	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	
2	1400	91.1	94.0	95.0	95.3	96.0	96.2	97.2	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	
2	1200	91.1	94.0	95.0	95.3	96.1	96.4	97.4	98.6	98.7	99.0	99.1	99.1	99.2	99.2	99.2	
2	1000	91.1	94.0	95.0	95.3	96.1	96.4	97.4	98.6	98.7	99.1	99.3	99.3	99.4	99.4	99.4	
2	900	91.1	94.0	95.0	95.3	96.1	96.4	97.4	98.6	98.8	99.2	99.4	99.4	99.6	99.6	99.6	
2	800	91.1	94.0	95.1	95.4	96.2	96.6	97.6	98.7	98.9	99.3	99.6	99.6	99.7	99.7	99.7	
2	700	91.1	94.1	95.1	95.4	96.2	96.7	97.7	98.9	99.1	99.6	99.8	99.8	99.9	99.9	99.9	
2	600	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	
2	500	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	
2	400	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	
2	300	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	
2	200	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	
2	100	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	
2	0	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

73-82

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11-23-68

~~157-2353~~

TOTAL NUMBER OF OBSERVATIONS 950

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-220 GALENA AFS AK

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO FILING	49.9	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4
2 20000	52.7	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
2 18000	55.5	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	59.8	59.8
2 16000	56.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
2 14000	57.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4
2 12000	57.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0
2 10000	61.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
2 9000	62.2	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	67.4
2 8000	65.7	71.3	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
2 7000	68.9	74.8	75.3	75.2	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6
2 6000	70.2	76.2	76.5	76.7	76.8	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.3
2 5000	72.3	79.3	79.4	79.6	79.9	80.0	80.3	80.5	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.8
2 4500	73.1	79.8	80.3	80.6	80.8	80.9	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.7	81.8	81.8
2 4000	76.3	84.1	84.6	85.0	85.3	85.4	85.9	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.6	86.6
2 3500	78.5	86.8	87.3	87.7	88.1	88.2	88.7	89.0	89.0	89.3	89.4	89.4	89.4	89.4	89.5	89.5
2 3000	80.1	89.1	89.8	90.3	90.7	90.8	91.5	91.9	91.9	92.3	92.3	92.3	92.4	92.4	92.5	92.5
2 2500	81.5	90.7	91.5	92.0	92.7	92.8	93.6	93.9	94.0	94.3	94.4	94.4	94.5	94.5	94.6	94.6
2 2000	82.7	92.6	93.5	94.1	94.8	95.0	95.8	96.2	96.3	96.7	96.8	96.8	96.9	96.9	97.0	97.0
2 1800	82.8	92.7	93.6	94.3	95.0	95.2	96.0	96.5	96.5	96.9	97.0	97.0	97.1	97.1	97.2	97.2
2 1600	83.1	93.1	94.0	94.7	95.4	95.6	96.3	96.5	97.0	97.1	97.5	97.6	97.6	97.7	97.7	97.8
2 1400	83.2	93.3	94.2	95.0	95.7	96.0	97.0	97.6	97.7	98.2	98.3	98.3	98.4	98.4	98.5	98.5
2 1200	83.3	93.5	94.4	95.2	95.9	96.2	97.3	97.8	98.0	98.6	98.9	98.9	99.1	99.1	99.1	99.1
2 1000	83.4	93.5	94.4	95.2	96.0	96.3	97.5	98.0	98.3	98.9	99.2	99.3	99.4	99.4	99.4	99.5
2 800	83.4	93.5	94.5	95.2	96.0	96.3	97.5	98.1	98.4	99.0	99.3	99.4	99.5	99.5	99.6	99.6
2 700	83.4	93.6	94.5	95.3	96.0	96.3	97.6	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.7	99.7
2 600	83.4	93.6	94.6	95.3	96.1	96.4	97.7	98.2	98.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8
2 500	83.4	93.7	94.6	95.4	96.2	96.5	97.7	98.2	98.5	99.2	99.6	99.6	99.6	99.8	99.9	99.9
2 400	83.5	93.7	94.7	95.4	96.2	96.5	97.7	98.3	98.6	99.3	99.6	99.7	99.9	99.9	99.9	100.0
2 300	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0
2 200	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0
2 100	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0
2 0	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222

GALENA AFS AK STATION NAME

73-82

YEAR

MAY

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 ≥20000	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5
≥18000	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5
≥16000	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3
≥14000	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7
≥12000	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9
≥10000	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1
≥9000	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
≥8000	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9
≥7000	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1
≥6000	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2
≥5000	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5
≥4500	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0
≥4000	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥3500	92.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
≥3000	94.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
≥2500	96.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥2000	96.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥1800	97.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥1500	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥1200	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥1000	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥900	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥800	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥700	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥600	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥500	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥400	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥300	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥200	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥100	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥0	97.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 220 GALENA AFS AR STATION NAME 73-62 YEAR MAY
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 100-0000

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
≥20000	47.1	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
≥18000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥16000	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	56.2	56.2
≥14000	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥12000	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥10000	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥9000	63.9	63.9	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
≥8000	65.8	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	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥6000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥5000	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥4500	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥4000	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥3500	92.5	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥3000	94.1	94.8	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥2500	95.8	96.6	96.6	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
≥2000	96.1	96.9	97.1	97.1	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥1800	96.7	97.4	97.6	97.6	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥1500	96.3	97.6	97.8	97.8	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥1200	96.8	97.6	97.8	98.0	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥1000	96.8	97.6	97.8	98.1	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥900	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥800	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥700	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥600	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥500	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥400	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥300	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥200	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥100	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥50	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥20	96.9	97.8	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222 GALENA AFS AK STATION NAME

73-62 YEARS

MAY

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	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ 0
NO. CEILING ≥ 20000	48.1	48.2	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
18000	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
16000	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
14000	58.1	58.2	58.2	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
12000	58.4	58.5	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
10000	59.7	59.8	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
9000	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
8000	66.2	66.3	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
7000	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
6000	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
5000	81.7	82.0	82.0	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
4500	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
4000	87.1	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
3500	90.9	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
3000	91.9	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2500	93.9	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2000	94.8	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
1800	95.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
1500	95.8	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1200	96.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1000	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
900	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
800	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
700	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
600	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
500	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
400	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
300	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
200	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
100	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
0	96.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-225 GALENA AFS AK

73-62

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1222-1130

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	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	49.7
≥18000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥16000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥14000	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	58.9
≥12000	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
≥10000	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
≥8000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥6000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥4000	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
≥2000	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥1000	80.7	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥500	83.4	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥250	84.8	85.3	85.3	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
≥100	86.5	89.2	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥50	90.5	91.3	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥25	92.7	92.8	92.9	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
≥10	94.2	94.9	95.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥5	95.9	96.7	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥2	96.1	96.8	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥1	96.7	97.4	97.6	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥0.5	97.0	97.7	98.0	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
≥0.25	97.1	98.1	98.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥0.1	97.3	98.3	98.5	98.6	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	97.3	98.3	98.5	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥0.025	97.4	98.4	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥0.01	97.4	98.4	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥0.005	97.5	98.5	98.7	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
≥0.0025	97.5	98.5	98.7	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
≥0.001	97.5	98.5	98.7	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
≥0.0005	97.5	98.5	98.7	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
≥0.00025	97.5	98.5	98.7	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
≥0.0001	97.5	98.5	98.7	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

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 SAFETY
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-67 YEARS

USA

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
20000	42.5	42.5	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
18000	42.5	42.5	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
16000	52.4	52.4	52.4	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
14000	52.4	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
12000	53.1	53.1	53.1	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	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
9000	56.1	56.1	56.1	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
8000	58.2	58.2	58.2	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
7000	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
6000	67.3	67.3	67.3	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
5000	69.6	69.6	69.6	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
4500	77.0	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4000	78.5	78.5	78.5	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
3500	86.1	86.1	86.1	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
3000	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2500	93.9	93.9	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2000	96.5	96.5	96.5	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
1800	97.3	97.3	97.3	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
1600	97.3	97.3	97.3	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
1400	97.5	97.5	97.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1200	98.1	98.1	98.1	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	98.1	98.1	98.1	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
900	98.2	98.2	98.2	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
800	98.2	98.2	98.2	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
700	98.2	98.2	98.2	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
600	98.2	98.2	98.2	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
500	98.2	98.2	98.2	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
400	98.2	98.2	98.2	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
300	98.2	98.2	98.2	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
200	98.2	98.2	98.2	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
100	98.2	98.2	98.2	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	98.2	98.2	98.2	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 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1222 SALENA AFS AK STATION NAME

73-62 YEAR

DAY

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	40.4	40.4	40.4	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
≥2000	45.2	48.2	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
≥1800	51.5	51.5	51.5	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
≥1600	51.5	51.5	51.5	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
≥1400	52.2	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	52.3	52.3
≥1200	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥1000	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥900	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥800	62.8	62.8	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
≥700	67.2	67.3	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
≥600	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥500	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥400	78.7	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥300	87.2	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥200	92.6	93.0	93.1	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
≥100	95.5	96.0	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
≥50	96.9	97.5	97.6	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥20	98.2	98.8	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥10	98.2	98.8	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥5	98.3	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.5	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.2	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.1	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.05	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.02	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.01	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 936

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

CEILING VERSUS VISIBILITY

~~73-92~~

~~1 345-2389~~

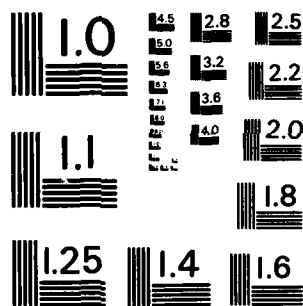
TOTAL NUMBER OF OBSERVATIONS 430

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

UNCLASSIFIED

GALENA AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 28 JUL 83
USAFETAC/DS-83/035 SBI-AD-E850 429 F/G 4/2

NL



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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222 GALENA AFS AK STATION NAME

73-82

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2102-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	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	50.4
≥ 20000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	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	58.8
≥ 16000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	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	61.2
≥ 10000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	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	67.8
≥ 8000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 7000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 6000	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	81.5
≥ 5000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000	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
≥ 3500	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	97.7	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
≥ 2500	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	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	99.4	99.4
≥ 1000	99.1	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
≥ 900	99.1	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
≥ 800	99.1	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
≥ 700	99.1	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
≥ 600	99.1	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
≥ 500	99.1	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
≥ 400	99.1	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
≥ 300	99.1	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
≥ 200	99.1	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
≥ 100	99.1	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
≥ 0	99.1	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

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-22C STATION NAME GALENA AFS AK YEARS 73-82 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MOUSE

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	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4
≥ 18000	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0
≥ 16000	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	56.7	56.7	56.7
≥ 14000	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	57.0	57.0	57.0
≥ 12000	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	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	62.9	62.9	62.9
≥ 8000	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4
≥ 6000	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2
≥ 5000	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6
≥ 4500	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3
≥ 4000	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 3500	90.4	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.4	91.4	91.4
≥ 3000	93.3	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2
≥ 2500	95.2	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3
≥ 2000	96.4	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
≥ 1800	97.3	98.0	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.7	98.7
≥ 1500	97.4	98.1	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.8	98.8
≥ 1200	97.4	98.4	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.2	99.3
≥ 1000	97.8	98.6	98.8	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6
≥ 900	97.8	98.7	98.9	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 800	97.9	98.8	98.9	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 700	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 600	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 500	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 400	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 300	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 200	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 100	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
≥ 0	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 7440

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

7-2220 GALENA AFS AK STATION NAME

73-62 YEARS

1961

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6000-0230

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	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
≥ 20000	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
18000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
16000	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
14000	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
12000	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	44.0	44.0
10000	50.7	50.7	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
9000	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	52.2	52.2
8000	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
7000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
6000	71.6	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
5000	79.8	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
4500	82.2	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
4000	88.6	89.3	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3500	92.9	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
3000	95.0	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2500	95.8	96.7	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2000	96.9	97.8	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
1800	97.1	98.0	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1600	97.3	98.6	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1400	97.6	98.8	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1200	97.6	98.8	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1000	97.7	98.9	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	97.7	98.9	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	97.7	98.9	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	97.7	98.9	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	97.7	98.9	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.8	99.0	99.2	99.4	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	97.8	99.0	99.2	99.4	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 900

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

7-220

GALENA AFS AK

STATION NAME

73-82

YEARS

MONTH

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	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	36.3	36.3	36.3
18000	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.9	38.9
16000	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	41.0	41.0	41.0
14000	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	41.4	41.4	41.4
12000	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.1	42.1
10000	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3
9000	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0
8000	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	50.4	50.4	50.4
7000	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.6
6000	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6
5000	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0
4500	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
4000	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
3500	87.2	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.1	88.1
3000	90.4	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.6	91.6
2500	93.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.1	95.1
2000	94.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.1	96.1
1800	96.1	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.8	97.8
1600	96.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.3	98.3
1400	97.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7
1200	97.2	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2
1000	97.3	98.8	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3
900	97.3	98.8	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3
800	97.4	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.4	99.4
700	97.7	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7
600	97.7	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7
500	97.8	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8
400	97.8	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8
300	97.8	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8
200	97.8	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8
100	97.8	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8
0	97.8	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2200 GALENA AFS AK STATION NAME

73-82 YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-2400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3
≥ 20000	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9
≥ 18000	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2
≥ 16000	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2
≥ 14000	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6
≥ 12000	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9500	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	70.8	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	76.9	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	78.4	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	81.9	84.7	84.7	84.7	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	88.1	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	92.6	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	93.4	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000	95.6	96.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	95.9	96.9	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	96.3	97.8	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	97.3	98.9	99.1	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	97.3	98.9	99.1	99.1	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	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	97.3	98.9	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING	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
≥ 20000	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 18000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 16000	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	42.4
IV 14000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 12000	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
IV 10000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 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
IV 8000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 7000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 6000	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
IV 5000	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	71.3
IV 4500	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	72.9
IV 4000	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	79.3
IV 3500	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	93.2	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1500	97.6	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	97.8	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
IV 1000	98.0	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 1964

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	32.6	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
≥ 20000	37.7	37.7	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
IN 18000	39.8	39.8	39.8	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
IN 16000	40.0	40.0	40.0	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
IN 14000	40.7	40.7	40.7	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
IN 12000	42.1	42.1	42.1	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
IN 10000	45.4	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IN 9000	47.3	47.3	47.3	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
IN 8000	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IN 7000	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	59.7	59.7	59.7
IN 6000	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IN 5000	65.4	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IN 4500	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IN 4000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IN 3500	86.9	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 3000	92.2	92.2	92.2	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IN 2500	95.8	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 2000	97.7	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IN 1800	97.7	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IN 1500	98.0	98.0	98.0	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 1200	98.4	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 1000	98.4	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 900	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 800	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 700	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 600	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 500	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-82 YEARS

1530-1730

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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 20000	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	30.0
18000	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	36.6
16000	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
14000	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	38.3
12000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
10000	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
9000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
8000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
7000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
6000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
5000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
4500	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
4000	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
3500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
3000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	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
2000	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1800	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1600	98.8	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
1400	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	99.4
1200	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
1000	99.2	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
900	99.2	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	99.2	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
700	99.2	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
600	99.2	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
500	99.2	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
400	99.2	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
300	99.2	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
200	99.2	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
100	99.2	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
0	99.2	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

TOTAL NUMBER OF OBSERVATIONS 999

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-22C STATION NAME GALENA AFS AK

73-82

YEAR

MONTH

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	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	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
≥ 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
IV 18000	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 16000	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	44.0	44.0
IV 14000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 12000	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
IV 10000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 9000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 8000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 5000	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
IV 4500	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	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	88.7
IV 3500	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
IV 3000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2500	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	97.2
IV 2000	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	98.2
IV 1800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	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	98.7
IV 1000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	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	99.1
IV 600	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	99.1
IV 500	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	99.1
IV 400	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	99.1
IV 300	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	99.1
IV 200	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	99.1
IV 100	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	99.1
IV 0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ADG WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

712220 GALENA AFS AK STATION NAME

73-62 YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.5	36.6
≥ 20000	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	44.8	44.8	44.8	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 16000	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	46.2	46.2	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
≥ 12000	46.9	46.9	46.9	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
≥ 10000	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	61.6	61.6	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
≥ 7000	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	90.7	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3000	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	97.4	97.6	97.6	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
≥ 2000	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 STATION 73-62 GALENA AFS AK YEAR MONTH DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000	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	39.5
≥ 18000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 16000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 14000	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 12000	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
≥ 10000	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	50.8	50.8	50.8	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	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	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	65.9
≥ 6000	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4000	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3500	90.4	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000	94.0	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2500	95.6	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	97.3	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	97.4	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	97.8	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	98.1	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.3	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	98.3	99.3	99.4	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
≥ 800	98.3	99.3	99.4	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
≥ 700	98.3	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	98.3	99.4	99.5	99.5	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	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-220 GALENA AFS AK STATION NAME

73-82 YEAR

444

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	39.4	40.3	40.2	40.3	40.3	40.3	40.5	40.8	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	45.4	46.3	46.3	46.3	46.7	46.7	46.9	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	46.1	46.8	47.0	47.1	47.4	47.4	47.6	47.8	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000	46.1	46.8	47.0	47.1	47.4	47.4	47.6	47.8	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1
≥ 14000	46.7	47.3	47.5	47.6	48.0	48.0	48.2	48.4	48.4	48.5	48.7	48.7	48.7	48.7	48.7	48.7
≥ 12000	47.4	48.1	48.3	48.4	48.7	48.7	48.9	49.1	49.1	49.2	49.5	49.5	49.5	49.5	49.5	49.5
≥ 10000	51.9	52.4	52.9	52.9	53.2	53.2	53.4	53.6	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	54.6	55.1	55.5	55.6	55.9	55.9	56.1	56.5	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	62.4	63.0	63.2	63.3	63.7	63.7	63.9	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	67.3	68.0	68.2	68.3	68.6	68.6	68.8	69.1	69.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5
≥ 6000	70.2	70.9	71.1	71.2	71.5	71.5	71.7	72.0	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	78.2	79.1	79.4	79.5	79.8	79.8	80.0	80.3	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	79.4	80.3	80.5	80.6	81.0	81.0	81.2	81.5	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	84.3	85.4	85.6	85.7	86.0	86.0	86.2	86.6	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	87.8	89.0	89.2	89.4	89.7	89.7	89.9	90.2	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000	90.4	91.7	91.9	92.0	92.4	92.4	92.6	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	92.5	93.8	94.0	94.1	94.4	94.4	94.6	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	94.2	95.6	95.8	95.9	96.2	96.2	96.6	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	94.5	96.0	96.2	96.3	96.7	96.7	96.9	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1600	94.8	96.7	96.9	97.0	97.3	97.3	97.5	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1400	95.5	97.3	97.6	98.0	98.3	98.3	98.5	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	95.9	97.8	98.2	98.5	98.8	98.8	99.0	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 50	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A1- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 STATION SALENA AFS AK STATION NAME

73-82 YEARS

1981

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0322-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	35.1	35.5	35.7	35.9	35.9	35.9	36.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.3
≥ 20000	40.6	41.2	41.4	41.6	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.3
≥ 18000	42.2	42.8	43.0	43.2	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.9
≥ 16000	42.2	42.8	43.0	43.2	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.9
≥ 14000	42.8	43.4	43.7	43.9	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3	44.5
≥ 12000	43.3	44.5	44.7	44.9	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.7
≥ 10000	47.8	48.5	48.7	48.9	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.7
≥ 9000	49.6	50.2	50.4	50.6	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.4
≥ 8000	57.8	58.5	58.7	58.9	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.7
≥ 7000	64.4	65.1	65.3	65.5	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.2
≥ 6000	66.9	67.6	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.8
≥ 5000	75.6	76.5	76.8	77.0	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.8
≥ 4500	77.7	78.6	78.9	79.1	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	80.0
≥ 4000	83.2	84.1	84.4	84.6	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.5
≥ 3500	85.8	87.4	87.7	88.0	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.8
≥ 3000	87.8	89.6	89.9	90.1	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.8	91.0
≥ 2500	89.8	91.7	92.2	92.4	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.3
≥ 2000	91.8	94.0	94.4	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.6
≥ 1800	92.5	94.6	95.1	95.3	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.2
≥ 1500	93.7	95.9	96.3	96.6	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.5
≥ 1200	94.4	96.7	97.1	97.3	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.4
≥ 1000	94.7	97.1	97.5	97.7	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.8
≥ 900	94.7	97.1	97.5	97.7	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.8
≥ 800	94.7	97.2	97.7	98.0	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	99.0
≥ 700	94.9	97.4	98.1	98.2	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.2
≥ 600	94.9	97.4	98.0	98.2	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.2
≥ 500	95.1	97.5	98.1	98.3	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.6
≥ 400	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0
≥ 300	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0
≥ 200	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0
≥ 100	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0
≥ 0	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ALW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 STATION GALENA AFS AK STATION NAME

73-82 YEARS

1960-1969

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9600-9699

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	33.5	34.1	34.1	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.2	34.3	34.5	34.5	34.5	34.5
≥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
≥18000	41.0	41.4	41.4	41.6	41.6	41.6	41.7	41.7	41.7	41.7	42.2	42.3	42.5	42.5	42.5	42.5
≥16000	41.1	41.5	41.5	41.7	41.7	41.7	41.8	41.8	41.8	41.8	42.3	42.4	42.6	42.6	42.6	42.6
≥14000	41.6	42.0	42.0	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.8	42.9	43.1	43.1	43.1	43.1
≥12000	43.0	43.4	43.4	43.8	43.8	43.8	43.9	43.9	43.9	43.9	44.3	44.4	44.6	44.6	44.6	44.6
≥10000	46.3	46.9	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.6	47.7	48.0	48.0	48.0	48.0
≥9000	47.7	48.2	48.2	48.5	48.5	48.5	48.6	48.6	48.6	48.6	49.0	49.1	49.4	49.4	49.4	49.4
≥8000	55.4	56.3	56.5	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.3	57.4	57.6	57.6	57.6	57.6
≥7000	64.6	65.2	65.3	65.6	65.6	65.6	65.7	65.7	65.7	65.7	66.1	66.2	66.5	66.5	66.5	66.5
≥6000	67.1	67.6	67.7	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.6	68.7	68.9	68.9	68.9	68.9
≥5000	73.1	73.9	74.0	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.8	74.9	75.2	75.2	75.2	75.2
≥4500	75.6	76.1	76.2	76.6	76.6	76.6	76.7	76.7	76.7	76.7	77.1	77.2	77.4	77.4	77.4	77.4
≥4000	79.5	80.1	80.7	80.5	80.5	80.5	80.6	80.6	80.6	80.6	81.1	81.2	81.4	81.4	81.4	81.4
≥3500	82.5	83.4	83.5	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.6	84.7	84.9	84.9	84.9	84.9
≥3000	84.4	85.5	85.6	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.7	86.8	87.0	87.0	87.0	87.0
≥2500	87.5	89.1	89.4	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.4	90.5	90.8	90.8	90.8	90.8
≥2000	89.8	91.6	91.8	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.9	93.0	93.2	93.2	93.2	93.2
≥1800	90.1	92.0	92.3	92.7	92.8	92.8	92.9	92.9	92.9	92.9	93.3	93.4	93.7	93.7	93.7	93.7
≥1600	91.2	93.4	93.7	94.2	94.3	94.3	94.5	94.5	94.5	94.5	94.9	95.1	95.3	95.3	95.3	95.3
≥1400	92.4	94.7	94.9	95.5	95.7	95.7	95.9	95.9	95.9	95.9	96.3	96.5	96.7	96.7	96.7	96.7
≥1200	92.8	95.2	95.4	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.8	96.9	97.1	97.1	97.1	97.1
≥1000	93.1	95.6	95.9	96.5	96.8	96.8	97.0	97.0	97.0	97.0	97.4	97.5	97.7	97.7	97.7	97.7
≥900	93.1	95.8	96.1	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.6	97.7	98.0	98.0	98.0	98.0
≥800	93.8	96.3	96.7	97.2	97.5	97.5	97.7	97.7	97.7	97.7	98.2	98.3	98.5	98.5	98.5	98.5
≥700	94.0	96.8	97.1	97.6	98.1	98.2	98.4	98.4	98.4	98.4	98.8	98.9	99.1	99.1	99.1	99.1
≥600	94.0	96.8	97.2	97.7	98.2	98.3	98.6	98.6	98.6	98.6	99.0	99.1	99.4	99.4	99.4	99.4
≥500	94.1	97.1	97.5	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥400	94.3	97.1	97.5	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥300	94.3	97.1	97.5	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥200	94.3	97.1	97.5	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥100	94.3	97.1	97.5	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥50	94.3	97.1	97.5	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥20	94.3	97.1	97.5	98.1	98.6	98.6	99.0	99.1	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AND WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 225 SALENA AFS AK STATION NAME

73-62 YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5238 1199

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	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
900	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
800	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	41.3	41.3
700	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
600	42.4	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
500	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	44.6
400	48.7	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
300	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	50.3	50.3
200	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
100	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	61.6
000	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
900	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
800	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
700	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
600	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
500	85.3	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
400	88.1	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
300	91.8	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
200	92.4	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
100	93.4	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
000	94.5	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
900	95.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
800	95.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
700	95.6	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
600	95.7	97.7	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
500	95.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
400	96.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
300	96.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
200	96.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
100	96.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
000	96.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 810

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

7-220 SALENA AFS AK STATION NAME

73-82 YEARS

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	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 18000 ≥ 16000	38.4	38.4	38.5	38.5	38.5	38.5	38.6	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 14000 ≥ 12000	40.3	40.3	40.4	40.4	40.4	40.4	40.5	40.6	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000 ≥ 9000	40.2	40.2	40.9	40.9	40.9	40.9	41.0	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 8000 ≥ 7000	41.2	41.2	41.3	41.4	41.5	41.5	41.6	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 6000 ≥ 5000	43.8	43.8	43.9	44.2	44.2	44.2	44.3	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 4500 ≥ 4000	47.6	47.6	47.7	47.8	48.1	48.1	48.2	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 3500 ≥ 3000	50.4	50.4	50.5	50.6	50.9	50.9	51.0	51.1	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 2500 ≥ 2000	54.4	54.4	54.5	54.6	54.8	54.8	54.9	55.1	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 1800 ≥ 1600	58.9	58.9	59.1	59.1	59.4	59.4	59.5	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 1400 ≥ 1200	60.3	60.3	60.5	60.6	60.9	60.9	61.0	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1000 ≥ 900	66.9	66.9	67.1	67.2	67.4	67.4	67.5	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 800 ≥ 700	68.2	68.3	68.5	68.6	68.8	68.8	68.9	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 600 ≥ 500	74.9	75.2	75.4	75.5	75.7	75.8	75.9	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 400 ≥ 300	82.3	82.6	82.8	82.9	83.1	83.2	83.3	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 200 ≥ 100	87.1	87.4	87.7	87.8	88.1	88.3	88.4	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 80 ≥ 60	89.8	90.2	90.5	90.6	90.9	91.1	91.2	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 40 ≥ 30	93.5	94.6	94.9	95.1	95.4	95.6	95.7	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 20 ≥ 10	93.8	94.8	95.2	95.3	95.6	95.8	95.9	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 5 ≥ 0	94.7	96.2	96.8	96.9	97.2	97.4	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	95.4	97.6	98.2	98.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	95.4	97.6	98.2	98.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	95.5	97.8	98.4	98.5	98.8	99.0	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 938

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-225 SALENA AFS AK STATION NAME

73-82 YEAR

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1502-1730

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	31.1	31.2	31.4	31.4	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	37.6	37.8	38.1	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
≥ 8000	40.1	40.3	40.5	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
≥ 6000	40.3	41.0	41.2	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
≥ 4000	41.4	41.6	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 2000	43.2	43.4	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 1000	47.5	47.7	48.1	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
≥ 800	49.1	49.4	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 700	54.7	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 6000	63.4	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 5000	67.6	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	69.5	69.9	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	76.8	77.2	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	84.6	85.2	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	88.4	89.2	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	91.5	92.5	93.0	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	94.0	95.3	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	94.4	95.7	96.2	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
≥ 1500	95.5	97.1	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	95.8	97.5	98.2	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
≥ 1000	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	96.1	98.1	98.8	98.9	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	96.1	98.2	98.9	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 50	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 20	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 10	96.1	98.3	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 JALENA AFS AK STATION NAME

73-82 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING ≥ 20000	37.3	37.7	38.1	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2
18000	43.4	44.2	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6
16000	46.7	47.1	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5
14000	47.1	47.5	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9
12000	47.7	48.2	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
10000	49.0	50.3	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
9000	53.1	53.5	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	54.0
8000	55.0	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
7000	62.0	62.5	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
6000	66.4	67.3	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7
5000	71.2	71.5	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
4500	75.2	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
4000	76.7	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6
3500	84.4	84.9	85.3	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
3000	88.1	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
2500	91.6	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
2000	94.1	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
1800	96.3	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
1600	96.3	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
1400	96.6	97.4	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
1200	97.0	98.2	98.6	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
1000	97.1	98.3	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
900	97.2	98.4	98.8	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
800	97.2	98.4	98.8	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
700	97.2	98.5	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
600	97.2	98.5	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
500	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
400	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
300	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
200	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
100	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0	97.2	98.6	99.0	99.4	99.6	99.7	99.9	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
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2132-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING ≥ 20000	40.8	41.6	41.6	41.7	41.7	41.7	41.8	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000 ≥ 6000	46.3	47.3	47.3	47.3	47.3	47.3	47.3	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4000 ≥ 2000	48.7	49.4	49.4	49.5	49.5	49.5	49.6	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1
≥ 1000 ≥ 900	51.2	52.0	52.0	52.1	52.1	52.1	52.2	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6
≥ 800 ≥ 700	55.3	56.5	56.5	56.6	56.6	56.6	56.7	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
≥ 600 ≥ 500	57.5	58.2	58.2	58.3	58.3	58.3	58.4	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
≥ 450 ≥ 400	64.5	65.3	65.3	65.4	65.4	65.4	65.6	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
≥ 350 ≥ 300	69.4	70.3	70.3	70.4	70.4	70.4	70.5	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
≥ 250 ≥ 200	71.4	72.7	72.7	72.8	72.8	72.8	72.9	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 150 ≥ 100	78.4	79.2	79.2	79.3	79.3	79.3	79.4	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
≥ 75 ≥ 50	80.0	81.1	81.1	81.2	81.2	81.2	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 25 ≥ 15	85.4	86.4	86.4	86.5	86.5	86.5	86.7	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 10 ≥ 5	90.2	91.4	91.4	91.5	91.5	91.5	91.6	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3 ≥ 1	92.7	94.1	94.1	94.2	94.2	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ .5 ≥ .25	94.8	96.1	96.1	96.2	96.3	96.3	96.4	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ .1 ≥ .05	96.2	97.5	97.5	97.6	97.7	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ .025 ≥ .01	96.6	97.8	97.8	98.0	98.2	98.2	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ .005 ≥ .0025	97.0	98.4	98.6	98.8	99.1	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ .001 ≥ .0005	97.2	98.6	98.8	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ .00025 ≥ .0001	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .00005 ≥ .000025	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .00001 ≥ .000005	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .0000025 ≥ .000001	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .0000005 ≥ .00000025	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .0000001 ≥ .00000005	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .000000025 ≥ .00000001	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .000000005 ≥ .0000000025	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ .000000001 ≥ .0000000005	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEARS

NO. ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	35.6	35.9	36.1	36.1	36.1	36.1	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.5	36.5
≥ 20000	41.5	41.9	42.1	42.1	42.2	42.2	42.3	42.3	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5
≥ 18000	43.2	43.6	43.8	43.8	43.9	43.9	44.0	44.1	44.1	44.3	44.3	44.4	44.4	44.4	44.4	44.4
≥ 16000	43.9	43.9	44.3	44.1	44.2	44.2	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.7
≥ 14000	44.1	44.5	44.6	44.7	44.8	44.8	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.3	45.3
≥ 12000	45.3	46.2	46.4	46.5	46.6	46.6	46.7	46.8	46.8	47.0	47.0	47.1	47.1	47.1	47.1	47.1
≥ 10000	49.9	50.3	50.4	50.5	50.7	50.7	50.8	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.2
≥ 9000	51.9	52.3	52.4	52.6	52.7	52.7	52.8	52.9	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2
≥ 8000	58.5	58.9	59.1	59.2	59.3	59.3	59.4	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.9
≥ 7000	64.2	64.7	64.8	65.0	65.1	65.1	65.2	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.6	65.6
≥ 6000	66.8	67.3	67.4	67.6	67.7	67.7	67.9	67.9	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2
≥ 5000	73.1	73.7	73.8	74.0	74.1	74.1	74.2	74.3	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6
≥ 4500	74.6	75.2	75.4	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2
≥ 4000	80.6	81.2	81.4	81.5	81.7	81.7	81.8	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.2	82.2
≥ 3500	85.3	86.2	86.4	86.5	86.7	86.7	86.8	86.9	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2
≥ 3000	88.5	89.4	89.7	89.9	90.0	90.0	90.1	90.2	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	91.0	92.1	92.4	92.6	92.7	92.6	92.9	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.3	93.3
≥ 2000	93.8	94.8	95.1	95.3	95.4	95.5	95.6	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	93.8	95.1	95.4	95.6	95.8	95.8	95.9	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.4
≥ 1500	94.6	96.2	96.5	96.7	96.9	96.9	97.1	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.6
≥ 1200	95.2	97.1	97.4	97.7	98.0	98.1	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.7
≥ 1000	95.8	97.4	97.7	98.0	98.3	98.4	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	95.6	97.4	97.8	98.1	98.4	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.1	99.1
≥ 800	95.4	97.6	98.0	98.3	98.6	98.7	98.8	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.3
≥ 700	95.7	97.7	98.2	98.5	98.8	98.8	99.0	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5
≥ 600	95.8	97.8	98.3	98.6	98.9	99.0	99.2	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500	95.9	97.9	98.4	98.7	99.0	99.1	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 400	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7430

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220

GALENA AFS AK

73-62

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-9200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	34.7	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.1	41.2	41.2	41.2	41.3	41.3
≥ 20000	37.5	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.6	45.6	45.6	45.7	45.7
≥ 18000	38.2	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.3	46.3	46.3	46.5	46.5
≥ 16000	38.2	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.3	46.3	46.3	46.5	46.5
≥ 14000	38.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.7	46.8	46.8	46.8	46.9	46.9
≥ 12000	39.1	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.5	47.6	47.6	47.6	47.7	47.7
≥ 10000	42.9	52.2	52.2	52.2	52.2	52.5	52.5	52.5	52.5	52.5	52.6	52.7	52.7	52.7	52.8	52.8
≥ 9000	44.1	53.4	53.5	53.5	53.5	53.9	53.9	53.9	53.9	53.9	54.0	54.1	54.1	54.1	54.2	54.2
≥ 8000	50.5	60.8	60.9	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.3	61.4	61.4	61.4	61.5	61.5
≥ 7000	55.4	66.6	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.1	67.2	67.2	67.2	67.3	67.3
≥ 6000	58.0	70.1	70.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.6	70.7	70.7	70.7	70.9	71.0
≥ 5000	63.5	77.6	77.7	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.3	78.4	78.5	78.5	78.6	78.6
≥ 4500	65.8	80.2	80.3	80.4	80.4	80.8	80.8	80.8	80.8	80.8	81.0	81.1	81.1	81.1	81.2	81.2
≥ 4000	71.4	86.9	87.0	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.6	87.7	87.7	87.7	87.8	87.8
≥ 3500	74.4	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.8	91.9	91.9	91.9	92.0	92.0
≥ 3000	75.2	92.8	93.1	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.8	93.9	93.9	93.9	94.0	94.0
≥ 2500	75.7	94.1	94.5	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.3	95.4	95.4	95.4	95.5	95.5
≥ 2000	76.3	95.4	95.9	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.0
≥ 1800	76.5	96.0	96.6	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.4	97.5	97.5	97.5	97.6	97.6
≥ 1600	77.0	97.2	98.0	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.8	98.9	98.9	98.9	99.0	99.0
≥ 1400	77.0	97.4	98.2	98.3	98.5	98.8	98.8	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.2	99.2
≥ 1200	77.0	97.5	98.3	98.4	98.6	98.9	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.4	99.4
≥ 1000	77.1	97.6	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
≥ 900	77.1	97.6	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
≥ 800	77.1	97.6	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
≥ 700	77.1	97.6	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
≥ 600	77.1	97.7	98.6	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.5	99.6	99.6	99.6	99.7	99.7
≥ 500	77.1	97.8	98.7	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 400	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 300	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 200	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 100	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 0	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 910

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

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-1220 GALENA AFS AK STATION NAME

73-82

YEAR

1986

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	31.9	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.2	34.3	34.4	34.4	34.7	34.7
≥ 20000	37.0	39.3	39.3	39.4	39.5	39.5	39.6	39.6	39.7	39.7	39.7	39.8	40.0	40.0	40.3	40.3
≥ 18000	38.5	40.9	40.9	41.0	41.1	41.1	41.2	41.2	41.3	41.3	41.3	41.3	41.4	41.7	41.7	41.9
≥ 6000	38.5	40.9	40.9	41.0	41.1	41.1	41.2	41.2	41.3	41.3	41.3	41.3	41.4	41.7	41.7	41.9
≥ 14000	38.9	41.3	41.3	41.6	41.7	41.7	41.8	41.8	41.9	42.0	42.0	42.1	42.3	42.3	42.5	42.5
≥ 12000	39.9	42.4	42.4	42.6	42.7	42.7	42.8	42.8	42.9	43.1	43.1	43.2	43.4	43.4	43.6	43.6
≥ 10000	44.0	46.8	46.8	47.0	47.1	47.1	47.3	47.3	47.4	47.5	47.5	47.6	47.8	47.8	48.0	48.0
≥ 9000	45.1	47.9	47.9	48.1	48.4	48.4	48.5	48.5	48.7	48.8	48.8	48.9	49.1	49.1	49.3	49.3
≥ 8000	51.0	54.0	54.0	54.3	54.6	54.6	54.7	54.7	54.8	54.9	54.9	55.0	55.2	55.2	55.4	55.4
≥ 7000	56.4	60.1	60.1	60.5	60.8	60.8	60.9	61.0	61.1	61.4	61.4	61.5	61.7	61.7	61.9	62.0
≥ 6000	59.5	63.2	63.2	63.7	64.0	64.0	64.2	64.3	64.4	64.6	64.6	64.7	64.9	64.9	65.1	65.2
≥ 5000	66.1	70.8	70.8	71.7	72.0	72.1	72.3	72.6	72.7	72.9	72.9	73.0	73.2	73.2	73.4	73.5
≥ 4500	69.6	74.5	74.5	75.3	75.7	75.8	76.0	76.2	76.3	76.5	76.5	76.6	76.9	76.9	77.1	77.2
≥ 4000	75.4	81.5	81.5	82.3	82.8	83.0	83.3	83.5	83.6	83.9	83.9	84.0	84.2	84.2	84.4	84.5
≥ 3500	80.4	86.4	86.4	87.4	87.8	88.1	88.4	88.6	88.7	88.9	88.9	89.0	89.2	89.2	89.5	89.6
≥ 3000	82.7	89.3	89.3	90.3	90.7	91.0	91.3	91.5	91.6	91.8	91.8	91.9	92.1	92.1	92.4	92.5
≥ 2500	84.4	91.6	91.6	92.6	93.0	93.2	93.5	93.8	93.9	94.1	94.1	94.2	94.4	94.4	94.6	94.7
≥ 2000	86.1	93.8	93.8	94.7	95.3	95.5	95.9	96.1	96.2	96.4	96.4	96.6	96.8	96.8	97.0	97.1
≥ 1800	86.3	94.0	94.0	94.9	95.5	95.7	96.1	96.3	96.4	96.7	96.7	96.8	97.0	97.0	97.2	97.3
≥ 1500	86.8	94.5	94.5	95.6	96.1	96.3	96.8	97.0	97.1	97.3	97.3	97.4	97.6	97.6	97.8	98.0
≥ 1200	86.8	94.6	94.6	95.8	96.3	96.6	97.0	97.2	97.3	97.6	97.6	97.7	98.0	98.0	98.2	98.3
≥ 1000	86.8	94.6	94.7	95.9	96.4	96.6	97.2	97.4	97.5	97.8	97.8	98.0	98.2	98.2	98.4	98.5
≥ 900	86.9	94.7	94.8	96.0	96.7	96.9	97.3	97.5	97.6	98.0	98.0	98.1	98.3	98.3	98.5	98.6
≥ 800	86.9	94.7	94.8	96.1	96.8	97.0	97.4	97.6	97.7	98.1	98.1	98.2	98.4	98.4	98.6	98.7
≥ 700	87.0	94.8	95.2	96.3	97.0	97.2	97.6	97.8	98.1	98.4	98.4	98.5	98.7	98.7	98.9	99.0
≥ 600	87.0	94.8	95.2	96.3	97.0	97.2	97.6	97.8	98.1	98.4	98.4	98.5	98.7	98.7	98.9	99.0
≥ 500	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	99.5
≥ 400	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	99.6
≥ 300	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	99.9
≥ 200	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	100.0
≥ 100	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	100.0
≥ 50	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	100.0
≥ 20	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 029

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

7 220 GALENA AFS AK STATION NAME

73-82 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6622-6630

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	30.9	31.0	31.1	31.2	31.3	31.4	31.6	31.7	31.7	31.7	32.0	32.0	32.0	32.3	32.7	32.6
≥ 18000	36.0	36.2	36.3	36.6	36.8	36.9	37.1	37.2	37.2	37.3	37.6	37.6	37.6	37.8	38.1	38.4
≥ 16000	37.5	37.8	38.0	38.2	38.4	38.5	38.7	38.8	38.8	38.9	39.2	39.2	39.2	39.5	39.9	40.0
≥ 14000	37.7	38.1	38.2	38.4	38.6	38.7	38.9	39.0	39.0	39.1	39.5	39.5	39.5	39.7	40.1	40.2
≥ 12000	38.2	38.5	38.6	38.8	39.0	39.1	39.4	39.5	39.5	39.6	39.9	39.9	39.9	40.1	40.5	40.6
≥ 10000	40.1	40.4	40.5	40.8	41.0	41.1	41.3	41.4	41.4	41.5	41.8	41.8	41.8	42.0	42.5	42.6
≥ 8000	44.7	45.1	45.3	45.5	45.7	45.8	46.0	46.1	46.1	46.2	46.6	46.6	46.6	46.8	47.2	47.3
≥ 6000	45.9	46.2	46.5	46.8	47.0	47.2	47.4	47.5	47.5	47.6	48.0	48.0	48.0	48.2	48.6	48.8
≥ 5000	52.9	53.1	53.3	53.7	53.9	54.1	54.3	54.4	54.4	54.5	54.8	54.8	54.8	55.1	55.5	55.7
≥ 4000	59.5	59.8	60.1	60.4	60.6	60.9	61.1	61.3	61.3	61.4	61.8	61.8	61.8	62.1	62.5	62.7
≥ 3000	62.9	63.2	63.5	64.0	64.2	64.4	64.6	64.8	64.8	64.9	65.4	65.4	65.4	65.6	66.0	66.2
≥ 2000	71.3	71.7	72.2	72.7	73.0	73.2	73.4	73.8	73.8	74.0	74.4	74.4	74.4	74.6	75.1	75.3
≥ 1500	73.9	74.3	74.7	75.3	75.8	76.0	76.2	76.6	76.6	76.8	77.2	77.2	77.2	77.4	77.8	78.1
≥ 1000	81.0	81.5	81.9	82.5	83.1	83.3	83.7	84.0	84.0	84.2	84.6	84.6	84.6	84.8	85.3	85.5
≥ 800	85.2	85.7	86.1	86.7	87.3	87.5	87.8	88.2	88.2	88.4	88.8	88.8	88.8	89.0	89.5	89.7
≥ 600	86.9	87.4	87.8	88.4	89.0	89.2	89.6	89.9	89.9	90.1	90.5	90.5	90.5	90.8	91.2	91.4
≥ 500	88.3	88.9	89.4	89.9	90.5	90.8	91.1	91.4	91.4	91.6	92.0	92.0	92.0	92.3	92.7	92.9
≥ 400	90.5	91.4	91.9	92.5	93.1	93.3	93.7	94.0	94.0	94.2	94.6	94.6	94.6	94.8	95.3	95.5
≥ 300	90.8	91.7	92.3	92.8	93.4	93.7	94.0	94.3	94.3	94.5	94.9	94.9	94.9	95.2	95.6	95.8
≥ 200	91.8	92.8	93.3	93.9	94.5	94.7	95.1	95.4	95.4	95.6	96.0	96.0	96.0	96.2	96.7	96.9
≥ 150	92.3	93.3	93.9	94.4	95.2	95.4	95.7	96.0	96.0	96.2	96.7	96.7	96.7	96.9	97.3	97.5
≥ 100	92.5	93.7	94.2	94.7	95.5	95.7	96.1	96.5	96.5	96.8	97.2	97.2	97.2	97.4	98.0	98.3
≥ 80	92.6	93.8	94.3	94.8	95.6	95.8	96.2	96.6	96.6	96.9	97.3	97.3	97.3	97.5	98.1	98.4
≥ 60	92.8	94.0	94.5	95.1	95.8	96.0	96.5	96.8	96.8	97.1	97.5	97.5	97.5	97.7	98.3	98.6
≥ 50	92.8	94.0	94.5	95.1	95.8	96.0	96.5	96.8	96.8	97.2	97.6	97.6	97.6	97.8	98.4	98.7
≥ 40	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	97.8	98.4	98.4	98.5	98.7	99.2	99.6
≥ 30	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.5	99.9
≥ 20	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.5	100.0
≥ 10	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 630

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-223-1 SALENA AFS AK STATION NAME

73-82 YEARS

8-85

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9830-1100

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000	31.9	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4
≥ 18000 ≥ 16000	36.7	39.0	39.1	39.1	39.1	39.1	39.1	39.4	39.4	39.5	39.5	39.6	39.6	39.6	39.6	39.6
≥ 14000 ≥ 12000	40.2	40.5	40.6	40.6	40.6	40.6	40.6	40.9	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.1
≥ 10000 ≥ 9000	40.5	40.8	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4
≥ 8000 ≥ 7000	40.9	41.2	41.3	41.3	41.3	41.3	41.3	41.5	41.5	41.6	41.6	41.7	41.7	41.7	41.7	41.7
≥ 6000 ≥ 5000	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.8	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0
≥ 4500 ≥ 4000	49.4	49.9	50.0	50.0	50.0	50.0	50.0	50.2	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4
≥ 3500 ≥ 3000	51.9	52.0	52.2	52.2	52.3	52.5	52.5	52.7	52.7	52.8	52.9	53.0	53.0	53.0	53.1	53.1
≥ 2500 ≥ 2000	57.6	58.2	58.3	58.4	58.5	58.7	58.7	58.9	58.9	59.0	59.1	59.2	59.2	59.2	59.4	59.4
≥ 1800 ≥ 1500	61.0	61.5	61.6	61.7	61.8	62.0	62.0	62.3	62.3	62.4	62.5	62.6	62.6	62.6	62.7	62.7
≥ 1200 ≥ 1000	63.3	64.0	64.1	64.2	64.3	64.5	64.5	64.7	64.7	64.8	64.9	65.1	65.1	65.1	65.2	65.2
≥ 900 ≥ 800	68.1	68.7	68.8	68.9	69.0	69.2	69.2	69.5	69.5	69.9	70.0	70.1	70.1	70.1	70.2	70.2
≥ 700 ≥ 600	70.1	70.8	70.9	71.1	71.2	71.5	71.5	71.7	71.7	72.2	72.3	72.4	72.4	72.4	72.5	72.5
≥ 500 ≥ 400	78.1	78.7	78.8	79.0	79.1	79.5	79.5	79.7	79.7	80.1	80.2	80.3	80.3	80.3	80.4	80.4
≥ 300 ≥ 200	82.8	83.8	84.1	84.6	84.7	85.1	85.1	85.3	85.3	85.7	85.8	85.9	85.9	85.9	86.0	86.0
≥ 150 ≥ 100	86.3	87.5	87.8	88.4	88.5	88.8	88.8	89.0	89.0	89.5	89.6	89.7	89.7	89.7	89.8	89.8
≥ 75 ≥ 50	88.6	89.8	90.1	90.6	90.8	91.1	91.1	91.3	91.3	91.7	91.8	91.9	91.9	91.9	92.0	92.0
≥ 25 ≥ 15	91.7	93.2	93.7	94.2	94.3	94.6	94.6	94.8	94.8	95.3	95.4	95.5	95.5	95.5	95.6	95.6
≥ 10 ≥ 5	91.9	93.7	94.0	94.5	94.6	94.9	94.9	95.2	95.2	95.6	95.7	95.8	95.8	95.8	95.9	95.9
≥ 2.5 ≥ 1.5	92.7	94.5	94.9	95.5	95.6	95.9	95.9	96.1	96.1	96.6	96.7	96.8	96.8	96.8	96.9	96.9
≥ 1 ≥ .5	93.4	95.1	95.7	96.2	96.7	97.0	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.0	98.1	98.1
≥ .3 ≥ .25	93.5	95.4	95.9	96.6	97.0	97.3	97.4	97.6	97.6	98.1	98.2	98.3	98.3	98.3	98.4	98.4
≥ .2 ≥ .15	93.5	95.4	96.0	96.7	97.1	97.4	97.5	97.7	97.7	98.2	98.3	98.4	98.4	98.4	98.5	98.5
≥ .1 ≥ .1	93.7	95.5	96.1	96.8	97.2	97.5	97.6	97.8	97.8	98.3	98.4	98.5	98.5	98.5	98.6	98.6
≥ .05 ≥ .05	93.9	95.7	96.3	97.0	97.4	97.7	97.8	98.1	98.1	98.5	98.6	98.7	98.7	98.7	98.8	98.8
≥ .02 ≥ .02	94.1	96.1	96.7	97.3	97.7	98.1	98.2	98.4	98.5	98.9	99.0	99.1	99.1	99.1	99.2	99.2
≥ .01 ≥ .01	94.3	96.2	97.0	97.6	98.1	98.4	98.6	98.8	98.9	99.4	99.5	99.6	99.6	99.6	99.7	99.7
≥ .005 ≥ .005	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0
≥ .002 ≥ .002	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0
≥ .001 ≥ .001	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 SAFETY
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 222 GALENA AFS AK

73-87

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO. REPORTED	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
≥ 20000	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
≥ 8000	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
≥ 5000	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
≥ 4000	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
≥ 2000	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
≥ 1000	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
≥ 950	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 800	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 750	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 600	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	58.8
≥ 500	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 450	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 400	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 350	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 300	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 250	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	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	93.8
≥ 180	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
≥ 150	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	95.2
≥ 120	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 100	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 90	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 80	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
≥ 70	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
≥ 60	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
≥ 50	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
≥ 40	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
≥ 30	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
≥ 20	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
≥ 10	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 030

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

CENTRAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 CALENA AFS AK STATION NAME

73-62 YEARS

1550-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1550-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. CEILING	25.8	28.8	28.8	28.8	28.8	26.6	28.8	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000	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	36.0
≥ 18000	37.4	37.4	37.5	37.5	37.5	37.5	37.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	37.4	37.4	37.5	37.5	37.5	37.5	37.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	38.5	38.5	38.6	38.6	38.6	38.6	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 12000	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 10000	47.3	47.3	47.5	47.5	47.6	47.6	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 8000	48.8	48.8	49.0	49.0	49.1	49.1	49.2	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 6000	54.7	54.7	55.1	55.1	55.3	55.3	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4000	59.8	59.8	60.1	60.1	60.3	60.3	60.4	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 2000	61.7	61.7	62.0	62.0	62.3	62.3	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1000	66.0	66.0	66.3	66.3	66.5	66.5	66.6	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 500	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 200	76.0	76.0	76.1	76.1	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 100	85.9	86.7	87.1	87.2	87.5	87.5	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 50	90.9	91.7	92.2	92.4	92.9	92.9	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 20	93.3	94.4	94.8	95.1	95.6	95.6	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 10	94.6	96.1	96.7	97.0	97.5	97.5	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 5	95.1	96.6	97.1	97.4	98.0	98.0	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2	95.2	97.1	97.5	97.8	98.4	98.4	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1	95.3	97.2	97.7	98.1	98.6	98.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0.5	95.4	97.3	98.1	98.5	99.0	99.0	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0.2	95.4	97.3	98.1	98.5	99.0	99.0	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.1	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.05	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.02	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.01	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.005	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.002	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.001	95.4	97.4	98.2	98.6	99.1	99.1	99.4	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

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222

GALENA AFS AR

73-82

YEARS

1973-1974

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1973-1974

		VISIBILITY - STATUTE MILES															
		≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
1	1000	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	34.9
2	800	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	42.5
3	600	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
4	400	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
5	300	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
6	200	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
7	100	53.7	53.7	53.7	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3
8	50	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8
9	30	61.4	62.0	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.9	62.9	62.9	62.9	62.9
10	15	67.6	67.8	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7	68.7
11	10	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.6	70.6	70.6	70.6	70.6
12	5	75.4	75.7	75.9	75.9	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6
13	3	77.0	77.3	77.5	77.5	77.5	77.5	77.5	77.8	77.8	77.8	77.8	78.2	78.2	78.2	78.2	78.2
14	2	84.2	84.8	85.3	85.4	85.4	85.4	85.4	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0
15	1	90.0	90.8	91.2	91.4	91.4	91.4	91.4	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0
16	0.5	92.3	94.2	94.6	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8
17	0.25	94.5	95.4	95.9	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1
18	0.1	95.5	96.8	97.3	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5
19	0.05	95.8	97.1	97.6	98.2	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
20	0.025	96.7	97.3	97.8	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9
21	0.01	96.7	97.4	98.1	98.5	98.6	98.6	98.7	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5
22	0.005	96.7	97.7	98.3	98.9	99.0	99.0	99.1	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9
23	0.0025	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
24	0.001	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
25	0.0005	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
26	0.00025	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
27	0.0001	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
28	0.00005	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
29	0.000025	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
30	0.00001	96.7	97.7	98.4	99.0	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 836

CLIMATOLOGY BRANCH
USAFETAC
AIR LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2220 GALENA AFS AK STATION NAME

73-82 YEAR

ASAC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21347-2320

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. CEILING 20000	35.4	40.5	47.5	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
2 18000	42.1	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
2 16000	45.1	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
2 14000	45.1	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
2 12000	46.1	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
2 10000	48.0	50.5	50.5	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
2 9000	52.3	55.7	55.7	55.7	55.9	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
2 8000	54.3	58.5	58.5	58.5	58.8	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
2 7000	61.5	65.3	65.4	65.4	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2 6000	66.5	70.4	70.5	70.5	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2 5000	68.3	72.4	72.5	72.5	72.9	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2 4500	73.0	78.4	78.4	78.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2 4000	76.6	81.4	81.9	81.9	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2 3500	81.9	87.2	87.7	87.7	88.2	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2 3000	86.8	93.3	94.1	94.1	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2 2500	87.8	94.8	95.7	95.8	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2 2000	88.1	95.8	96.3	96.6	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2 1800	88.4	96.1	96.7	97.1	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2 1600	88.4	96.2	97.1	97.2	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2 1400	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 1200	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 1000	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 900	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 800	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 700	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 600	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 500	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 450	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 400	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 350	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 300	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 250	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 200	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 180	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 160	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 140	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 120	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 100	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 90	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 80	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 70	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 60	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 50	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 45	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 40	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 35	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 30	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 25	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 20	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 18	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 16	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 14	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 12	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 10	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 9	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 8	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 7	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 6	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 5	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 4	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 3	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 2	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 1	89.1	97.2	98.1	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 950

CLIMATE CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 73-42 73-42

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

		VISIBILITY STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
2	2000	32.7	34.2	34.2	34.2	34.2	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.6	34.7	34.7
2	1800	33.5	40.1	40.2	40.2	40.2	40.3	40.3	40.4	40.4	40.5	40.6	40.6	40.6	40.7	40.7	40.8
2	1600	36.9	41.5	41.5	41.6	41.6	41.7	41.7	41.8	41.9	41.9	42.0	42.0	42.0	42.1	42.1	42.2
2	1400	40.3	41.7	41.7	41.8	41.8	41.9	41.9	42.0	42.0	42.1	42.1	42.2	42.2	42.2	42.3	42.3
2	1200	40.7	42.4	42.4	42.5	42.5	42.6	42.6	42.7	42.7	42.8	42.9	42.9	42.9	42.9	43.0	43.1
2	1000	42.5	44.2	44.3	44.3	44.4	44.4	44.5	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.9	45.0
2	800	47.8	49.8	49.9	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.5	50.6	50.6	50.7	50.7	50.7
2	600	49.3	51.4	51.5	51.5	51.7	51.8	51.9	52.1	52.1	52.2	52.3	52.3	52.3	52.4	52.5	52.5
2	400	55.5	57.8	57.9	58.0	58.2	58.3	58.3	58.6	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9
2	200	60.3	63.7	63.1	63.2	63.4	63.5	63.6	63.8	63.8	63.9	64.0	64.1	64.1	64.1	64.2	64.3
2	0000	62.9	65.4	65.6	65.7	65.9	66.0	66.1	66.3	66.3	66.4	66.5	66.6	66.6	66.6	66.7	66.8
2	5000	66.7	71.8	72.1	72.3	72.5	72.6	72.7	73.0	73.0	73.1	73.2	73.3	73.3	73.3	73.4	73.5
2	4500	71.1	74.2	74.4	74.6	74.9	75.0	75.1	75.4	75.4	75.5	75.6	75.7	75.7	75.7	75.8	75.9
2	4000	78.7	81.6	81.9	82.1	82.4	82.6	82.7	83.0	83.0	83.1	83.2	83.3	83.3	83.3	83.4	83.5
2	3500	83.5	87.7	88.0	88.4	88.7	88.8	88.9	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.7	89.7
2	3000	86.3	92.8	91.1	91.5	91.9	92.0	92.1	92.4	92.4	92.5	92.7	92.7	92.7	92.8	92.9	92.9
2	2500	87.9	92.5	93.1	93.4	93.8	93.9	94.0	94.3	94.3	94.5	94.6	94.6	94.7	94.7	94.8	94.8
2	2000	89.6	94.7	95.2	95.6	96.7	96.1	96.3	96.6	96.6	96.7	96.9	96.9	96.9	96.9	97.1	97.1
2	1800	89.8	95.1	95.5	95.9	96.3	96.5	96.6	96.9	96.9	97.0	97.2	97.2	97.2	97.3	97.4	97.4
2	1600	91.5	95.9	96.4	96.8	97.2	97.4	97.5	97.8	97.9	98.0	98.1	98.2	98.2	98.3	98.4	98.4
2	1400	90.7	96.2	96.7	97.2	97.6	97.8	98.0	98.3	98.3	98.4	98.5	98.6	98.6	98.6	98.7	98.8
2	1200	92.8	96.3	96.9	97.4	97.9	98.0	98.2	98.5	98.5	98.7	98.8	98.8	98.9	98.9	99.0	99.1
2	1000	90.8	96.4	96.9	97.4	97.9	98.1	98.3	98.6	98.6	98.7	98.9	98.9	99.0	99.0	99.1	99.2
2	800	90.8	96.4	97.1	97.5	98.0	98.1	98.4	98.7	98.7	98.8	99.0	99.0	99.0	99.1	99.2	99.2
2	700	90.9	96.5	97.1	97.6	98.1	98.3	98.5	98.8	98.8	99.0	99.1	99.2	99.2	99.2	99.3	99.4
2	600	91.0	96.6	97.2	97.7	98.2	98.4	98.6	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.4	99.5
2	500	91.0	96.7	97.4	97.9	98.4	98.5	98.8	99.1	99.1	99.3	99.5	99.5	99.6	99.6	99.7	99.8
2	400	91.1	96.8	97.4	98.0	98.5	98.6	98.8	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	99.9
2	300	91.0	96.8	97.4	98.0	98.5	98.6	98.9	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	100.0
2	200	91.1	96.8	97.4	98.0	98.5	98.6	98.9	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	100.0
2	100	91.0	96.8	97.4	98.0	98.5	98.6	98.9	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	100.0
2	0	91.0	96.8	97.4	98.0	98.5	98.6	98.9	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-82

YEAR

USAF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5000-0200

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																
≥ 2000	31.9	40.8	41.7	41.0	41.3	41.3	41.3	41.3	41.3	41.4	41.5	41.8	41.9	41.9	41.9	41.9
≥ 1800	36.1	45.7	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.3	46.7	46.7	46.7	46.7	46.7	46.7
≥ 1600	36.2	46.2	46.4	46.4	46.8	46.8	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 1400	36.3	46.3	46.6	46.6	46.9	46.9	46.9	46.9	46.9	47.1	47.4	47.4	47.4	47.4	47.4	47.4
≥ 1200	36.9	47.0	47.2	47.2	47.6	47.6	47.6	47.6	47.6	47.8	49.1	49.1	49.1	49.1	49.1	49.1
≥ 1000	37.7	47.9	48.1	48.1	48.4	48.4	48.4	48.4	48.4	48.7	49.0	49.0	49.0	49.0	49.0	49.0
≥ 800	39.3	51.3	51.5	51.6	51.9	51.9	51.9	51.9	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4
≥ 600	39.9	52.2	52.4	52.4	52.8	52.8	52.8	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 400	45.0	60.0	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.9	61.1	61.1	61.1	61.1	61.1	61.1
≥ 200	47.6	64.8	65.1	65.0	65.3	65.3	65.3	65.3	65.3	65.6	65.9	65.9	65.9	65.9	65.9	65.9
≥ 100	49.3	67.6	67.9	67.8	68.3	68.3	68.3	68.3	68.3	68.7	68.9	68.9	68.9	68.9	68.9	68.9
≥ 50	52.4	73.9	74.1	74.1	74.7	74.7	74.7	74.7	74.7	75.0	75.3	75.3	75.3	75.3	75.3	75.3
≥ 25	55.3	77.3	77.6	77.6	78.1	78.1	78.2	78.2	78.2	78.4	78.8	79.8	79.8	79.8	79.8	79.8
≥ 12.5	59.1	82.8	83.0	83.0	83.9	83.9	84.0	84.0	84.0	84.2	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6.25	60.3	87.8	88.1	88.1	89.0	89.0	89.1	89.1	89.1	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3.125	61.0	89.8	90.1	90.1	91.0	91.0	91.1	91.1	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1.5625	61.7	92.3	92.7	92.7	93.6	93.6	93.7	93.7	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0.78125	62.4	94.9	95.2	95.2	96.1	96.1	96.2	96.2	96.2	96.4	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0.390625	62.8	95.3	95.7	95.7	96.8	96.8	96.9	96.9	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0.1953125	62.9	95.4	95.8	95.8	97.0	97.0	97.1	97.1	97.1	97.3	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0.09765625	63.1	95.9	96.2	96.3	97.4	97.4	97.6	97.6	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0.048828125	63.1	96.2	96.7	96.8	97.9	97.9	98.0	98.0	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0.0244140625	63.1	96.3	96.9	96.9	98.0	98.0	98.1	98.1	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0.01220703125	63.1	96.3	96.9	96.9	98.0	98.0	98.1	98.1	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0.006103515625	63.1	96.3	96.9	96.9	98.0	98.0	98.1	98.1	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0.0030517578125	63.2	96.6	97.1	97.2	98.4	98.4	98.7	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0.00152587890625	63.2	96.8	97.3	97.4	98.7	98.7	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0.000762939453125	63.2	96.8	97.3	97.4	98.7	98.7	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0.0003814697265625	63.2	96.8	97.3	97.4	98.7	98.7	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0.00019073486328125	63.2	96.8	97.3	97.4	98.7	98.7	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 999

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

78-220 GALINA AFS AK STATION NAME

73-62 YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING	29.3	33.8	34.2	34.6	34.8	34.8	34.9	35.0	35.0	35.2	35.3	35.3	35.6	35.7	35.9	36.0
≥ 20000	33.1	38.7	38.6	38.9	39.1	39.1	39.2	39.3	39.3	39.6	39.7	39.7	39.9	40.0	40.2	40.3
≥ 18000	33.4	38.6	39.1	39.4	39.7	39.7	39.8	39.9	39.9	40.1	40.2	40.2	40.4	40.6	40.9	40.9
≥ 16000	33.4	38.6	39.1	39.4	39.7	39.7	39.8	39.9	39.9	40.1	40.2	40.2	40.4	40.6	40.8	40.9
≥ 14500	34.1	39.1	39.7	40.0	40.2	40.2	40.3	40.4	40.4	40.7	40.8	40.8	41.0	41.1	41.3	41.4
≥ 14000	35.2	40.4	41.7	41.3	41.6	41.6	41.7	41.8	41.8	42.0	42.1	42.1	42.3	42.4	42.7	42.8
≥ 12000	35.0	44.0	44.6	44.9	45.1	45.1	45.2	45.3	45.3	45.6	45.7	45.7	45.9	46.0	46.2	46.3
≥ 10000	38.9	45.7	45.6	45.9	46.1	46.1	46.2	46.3	46.3	46.6	46.7	46.7	46.9	47.0	47.2	47.3
≥ 8000	45.1	52.9	53.4	53.8	54.0	54.0	54.1	54.2	54.2	54.4	54.6	54.6	54.9	55.0	55.3	55.4
≥ 6000	48.9	58.9	59.4	59.8	60.0	60.1	60.2	60.3	60.3	60.6	60.7	60.7	61.1	61.2	61.6	61.7
≥ 4000	51.8	63.2	63.9	64.2	64.4	64.6	64.7	64.8	64.8	65.0	65.1	65.1	65.6	65.7	66.0	66.1
≥ 3000	56.6	69.6	70.1	70.6	70.8	70.9	71.3	71.4	71.4	71.7	71.8	71.8	72.2	72.3	72.7	72.8
≥ 2000	59.3	73.0	73.6	74.0	74.2	74.3	74.8	74.9	74.9	75.1	75.2	75.2	75.7	75.9	76.1	76.2
≥ 1500	62.0	78.7	79.4	79.9	80.1	80.2	80.7	80.8	80.8	81.0	81.1	81.1	81.6	81.8	82.1	82.2
≥ 1000	64.3	83.9	84.7	85.1	85.3	85.4	85.9	86.0	86.0	86.2	86.3	86.3	86.8	87.0	87.3	87.4
≥ 800	65.8	86.3	87.1	87.6	87.8	87.9	88.3	88.4	88.4	88.7	88.8	88.8	89.2	89.4	89.8	89.9
≥ 600	67.1	89.0	89.9	90.3	90.7	90.8	91.2	91.3	91.3	91.6	91.7	91.7	92.1	92.3	92.7	92.8
≥ 400	67.8	90.9	91.7	92.3	92.7	92.8	93.3	93.4	93.4	93.7	93.8	93.8	94.2	94.4	94.8	94.9
≥ 300	68.3	92.0	92.8	93.4	93.8	93.9	94.4	94.6	94.6	94.8	94.9	94.9	95.3	95.6	95.9	96.0
≥ 200	68.3	92.1	93.0	93.8	94.1	94.2	94.8	94.9	94.9	95.1	95.2	95.2	95.7	95.9	96.2	96.3
≥ 150	68.4	92.7	93.6	94.4	94.8	94.9	95.4	95.6	95.6	95.8	95.9	95.9	96.3	96.6	96.9	97.0
≥ 100	68.4	92.7	93.6	94.4	94.8	94.9	95.4	95.6	95.6	95.8	95.9	95.9	96.3	96.6	96.9	97.0
≥ 75	68.4	92.8	93.7	94.6	94.9	95.0	95.6	95.7	95.7	95.9	96.0	96.0	96.4	96.7	97.0	97.1
≥ 50	68.4	92.8	93.7	94.6	94.9	95.0	95.6	95.7	95.7	95.9	96.0	96.0	96.4	96.7	97.0	97.1
≥ 25	68.4	92.9	93.8	94.7	95.0	95.1	95.7	95.8	95.8	96.0	96.1	96.1	96.6	96.8	97.1	97.2
≥ 10	68.4	92.9	93.8	94.7	95.0	95.1	95.7	95.8	95.8	96.0	96.1	96.1	96.6	96.8	97.1	97.2
≥ 5	68.4	93.2	94.2	95.1	95.4	95.6	96.4	96.6	96.6	96.8	96.9	96.9	97.3	97.6	98.0	98.1
≥ 2	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9
≥ 1	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9
≥ .5	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9
≥ .25	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9
≥ .1	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9
≥ .05	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9
≥ .01	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9
≥ .001	68.4	93.4	94.4	95.4	95.9	96.2	97.0	97.1	97.1	97.4	97.6	97.6	98.0	98.2	98.7	98.9

TOTAL NUMBER OF OBSERVATIONS 000

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 DALENA AFS AK STATION NAME

73-62 YEARS

6657

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

6638-6670

CEILING FEET	VISIBILITY STATUTE MILES																		
	20	26	25	24	23	22	22	21	21	20	20	19	19	18	18	17	17	16	16
2000	26.7	27.1	27.2	27.2	27.3	27.3	27.3	27.6	27.6	27.8	28.1	28.1	28.3	28.3	28.7	29.1			
1800	29.2	31.4	30.6	30.7	30.8	30.8	30.8	31.0	31.0	31.2	31.6	31.6	31.8	31.8	32.1	32.7			
1600	31.6	32.1	32.2	32.3	32.4	32.4	32.4	32.7	32.7	32.9	33.2	33.2	33.4	33.4	33.8	34.3			
1400	31.2	32.2	32.3	32.4	32.6	32.6	32.6	32.8	32.8	33.0	33.3	33.3	33.6	33.6	33.9	34.4			
1200	32.4	33.1	33.1	33.2	33.3	33.3	33.3	33.6	33.6	33.8	34.1	34.1	34.3	34.3	34.7	35.2			
1000	33.4	34.1	34.2	34.3	34.4	34.4	34.4	34.7	34.7	34.9	35.2	35.2	35.4	35.4	35.8	36.3			
800	38.3	38.9	39.1	39.1	39.2	39.2	39.2	39.4	39.4	39.7	40.0	40.0	40.2	40.2	40.5	41.1			
600	39.9	40.4	40.6	40.7	40.8	40.8	40.8	41.0	41.0	41.2	41.6	41.6	41.8	41.8	42.1	42.7			
400	46.1	47.1	47.1	47.2	47.3	47.3	47.4	47.7	47.7	47.9	48.2	48.2	48.4	48.4	48.8	49.3			
200	53.3	54.3	54.4	54.6	54.6	54.9	55.0	55.6	55.6	55.9	56.3	56.3	56.7	56.7	57.0	57.6			
100	56.6	57.6	57.7	57.9	58.2	58.2	58.3	58.9	58.9	59.2	59.7	59.7	60.0	60.0	60.3	60.9			
50	65.2	66.3	66.4	66.7	67.1	67.1	67.2	67.8	67.8	68.1	68.6	68.6	68.9	68.9	69.2	69.8			
25	66.4	69.9	70.1	70.2	70.7	70.7	70.8	71.3	71.3	71.7	72.1	72.1	72.4	72.4	72.8	73.3			
12.5	75.2	77.0	78.1	78.3	78.8	78.8	79.9	79.4	79.4	79.9	80.2	80.2	80.6	80.6	81.0	81.6			
6.25	78.9	81.6	82.1	82.3	82.8	82.8	82.9	83.4	83.4	83.8	84.2	84.2	84.6	84.6	85.0	85.6			
3.125	81.1	84.1	84.4	85.1	85.6	85.7	85.9	86.6	86.6	87.0	87.4	87.4	87.8	87.8	88.2	88.8			
1.5625	83.6	86.9	87.8	88.1	88.6	88.7	88.9	89.6	89.6	90.0	90.4	90.4	90.8	90.8	91.2	91.8			
0.78125	84.9	88.4	89.4	89.9	90.3	90.4	90.7	91.3	91.3	91.9	92.3	92.3	92.7	92.7	93.1	93.7			
0.390625	85.3	89.1	90.1	90.4	90.9	91.0	91.2	91.9	91.9	92.4	92.9	92.9	93.2	93.2	93.7	94.2			
0.1953125	86.2	90.0	90.4	91.3	92.0	92.1	92.3	93.0	93.0	93.6	94.0	94.0	94.3	94.3	94.8	95.3			
0.09765625	86.8	90.6	91.7	92.1	92.8	92.9	93.1	93.8	93.8	94.3	94.8	94.8	95.1	95.1	95.6	96.1			
0.048828125	86.9	90.8	91.9	92.3	93.0	93.1	93.3	94.0	94.0	94.6	95.1	95.1	95.4	95.4	95.9	96.4			
0.0244140625	87.1	91.0	92.2	92.7	93.3	93.4	93.7	94.3	94.3	94.9	95.4	95.4	95.8	95.8	96.2	96.8			
0.01220703125	87.4	91.4	92.8	93.3	94.0	94.1	94.3	95.0	95.0	95.6	96.1	96.1	96.4	96.4	96.9	97.4			
0.006103515625	87.7	91.6	93.1	93.6	94.2	94.3	94.6	95.2	95.2	95.8	96.3	96.3	96.7	96.7	97.1	97.7			
0.0030517578125	87.1	91.6	93.1	93.6	94.2	94.3	94.6	95.3	95.3	95.9	96.4	96.4	96.8	96.8	97.2	97.8			
0.00152587890625	87.7	91.9	93.4	93.9	94.6	94.7	94.9	95.7	95.7	96.2	96.8	96.8	97.1	97.1	97.6	98.1			
0.000762939453125	87.1	92.2	93.9	94.3	95.0	95.1	95.4	96.3	96.3	97.0	97.6	97.6	98.0	98.0	98.4	99.0			
0.0003814697265625	87.7	92.2	93.9	94.3	95.1	95.2	95.6	96.4	96.4	97.1	97.7	97.7	98.1	98.2	98.6	99.3			
0.00019073486328125	87.1	92.1	94.0	94.4	95.2	95.3	95.7	96.6	96.6	97.2	97.8	97.8	98.2	98.3	98.7	99.8			
0.000095367431640625	87.7	92.3	94.1	94.4	95.2	95.3	95.7	96.6	96.6	97.2	97.8	97.8	98.2	98.3	98.7	99.8			

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AR

73-62

552

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

02-00-1130

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.6	31.6	31.7	31.7	31.7
900	34.2	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.8	34.8	34.9	34.9	34.9
800	35.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.4	36.4	36.6	36.6	36.6
700	35.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.4	36.4	36.6	36.6	36.6
600	37.2	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.9	37.9	38.0	38.0	38.0
500	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	40.1	40.1	40.2	40.2	40.2
400	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.2	45.2	45.2
300	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.4	46.4	46.6	46.6	46.6
200	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	52.0	52.0	52.3	52.4	52.4
100	55.6	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.6	57.6	57.6	57.7	58.0	58.0	58.1	58.2
000	61.1	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.2	62.2	62.3	62.7	62.7	62.8	62.8	62.9
1000	67.1	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.8	68.8	68.8	69.2	69.2	69.3	69.3	69.4
900	69.9	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.8	71.8	71.9	72.2	72.2	72.3	72.3	72.4
800	75.9	77.8	77.8	77.8	78.0	78.0	78.0	78.2	78.6	78.6	78.7	79.0	79.0	79.1	79.1	79.2
700	80.3	82.3	82.4	82.6	82.6	82.6	82.8	83.1	83.1	83.4	83.4	83.8	83.8	83.9	83.9	84.0
600	83.8	86.2	86.3	86.4	86.4	86.4	86.4	86.8	87.1	87.1	87.4	87.8	87.8	88.0	88.0	88.1
500	85.9	88.3	88.4	88.6	88.6	88.6	88.6	88.9	89.2	89.2	89.6	89.9	89.9	90.1	90.1	90.2
400	88.0	90.7	91.0	91.3	91.4	91.4	91.4	91.8	92.1	92.1	92.4	92.8	92.8	93.0	93.0	93.1
300	88.1	90.8	91.1	91.4	91.6	91.6	91.6	91.9	92.2	92.2	92.6	92.9	92.9	93.1	93.1	93.2
200	89.1	91.8	92.2	92.6	92.7	92.7	93.0	93.3	93.3	93.3	93.7	94.0	94.0	94.2	94.2	94.3
100	89.9	92.8	93.3	93.7	93.8	93.8	94.1	94.4	94.4	94.4	94.8	95.1	95.1	95.3	95.3	95.4
000	90.1	93.1	93.7	94.1	94.2	94.2	94.6	94.9	94.9	95.2	95.6	95.6	95.8	95.8	95.9	95.9
1000	90.4	93.8	94.7	95.1	95.2	95.2	95.6	95.9	95.9	96.2	96.6	96.6	96.8	96.8	96.9	96.9
900	91.7	94.6	95.4	95.9	96.1	96.1	96.4	96.8	96.8	97.1	97.4	97.4	97.7	97.7	97.7	97.8
800	91.1	94.7	95.7	96.1	96.3	96.3	96.7	97.0	97.0	97.3	97.7	97.7	97.9	98.0	98.0	98.1
700	91.1	94.7	95.7	96.1	96.3	96.3	96.7	97.0	97.0	97.3	97.7	97.7	97.9	98.0	98.0	98.1
600	91.4	95.2	96.3	96.9	97.1	97.1	97.4	97.8	97.8	98.1	98.4	98.4	98.7	98.8	98.8	98.9
500	91.6	95.7	96.9	97.4	97.7	97.7	98.1	98.4	98.4	98.8	99.1	99.2	99.4	99.6	99.6	99.7
400	91.6	95.7	97.1	97.6	97.8	97.8	98.2	98.6	98.7	99.0	99.3	99.4	99.7	99.8	99.8	99.9
300	91.6	95.7	97.1	97.6	97.8	97.8	98.2	98.6	98.7	99.0	99.3	99.4	99.7	99.8	99.8	99.9
200	91.6	95.7	97.1	97.6	97.8	97.8	98.2	98.6	98.7	99.0	99.3	99.4	99.7	99.8	99.8	99.9
100	91.6	95.7	97.1	97.6	97.8	97.8	98.2	98.6	98.7	99.0	99.3	99.4	99.7	99.8	99.8	99.9
000	91.6	95.7	97.1	97.6	97.8	97.8	98.2	98.6	98.7	99.0	99.3	99.4	99.7	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-02

YEAR

66P

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1230-1400

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. OF OBS.	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 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	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 16000	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	37.8
≥ 14000	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
≥ 12000	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
≥ 10000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 9000	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
≥ 8000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 7000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 6000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 5000	62.7	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
≥ 4500	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4000	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	81.3	83.8	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
≥ 2500	86.4	87.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	90.9	91.9	92.7	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
≥ 1800	91.7	92.7	93.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1600	92.8	93.9	94.4	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1400	93.4	94.4	95.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	93.9	95.4	96.4	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	94.3	95.4	96.4	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	94.6	96.2	97.6	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
≥ 800	94.7	96.4	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	94.7	96.4	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	94.7	96.4	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	94.7	96.4	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	94.7	96.4	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	94.7	96.4	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	94.7	96.4	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	94.7	96.4	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 990

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-225 GALENA AFS AK STATION NAME

73-82

YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

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
≥1000	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
≥800	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
≥600	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	36.6
≥400	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
≥200	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	38.2
≥100	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥80	45.0	45.0	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
≥60	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥40	53.6	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	53.7	53.7
≥20	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥10	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥8	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥4	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥2	83.4	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥1	88.0	88.4	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥1/2	90.7	91.3	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
≥1/4	92.3	93.1	93.9	94.0	94.0	94.0	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥1/8	93.1	93.9	94.7	94.8	94.8	94.8	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥1/16	93.8	94.8	95.6	95.7	95.7	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥1/32	94.1	95.4	96.3	96.4	96.4	96.6	96.9	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥1/64	94.4	96.0	96.9	97.0	97.0	97.1	97.6	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥1/128	94.6	96.2	97.1	97.2	97.2	97.3	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1/256	94.6	96.3	97.2	97.3	97.3	97.4	97.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥1/512	94.8	96.6	97.6	97.8	98.0	98.1	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1/1024	94.8	96.6	97.6	97.8	98.1	98.2	98.8	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥1/2048	94.8	96.7	97.7	97.9	98.4	98.6	99.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1/4096	94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1/8192	94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1/16384	94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1/32768	94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	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

7-225 SALENA AFS AK STATION NAME

73-62 YEAR

582

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1988-2038

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING ≥ 20000	31.2	31.3	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 18000	36.0	36.2	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 16000	38.6	38.8	38.8	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
≥ 14000	39.4	39.7	39.7	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 12000	40.6	40.8	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 10000	43.9	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 8000	45.9	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 6000	53.2	53.9	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 4000	58.9	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 2000	61.1	62.0	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 1000	68.0	69.4	69.4	69.4	69.4	69.4	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 800	71.1	72.8	73.1	73.1	73.1	73.1	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 600	77.2	79.4	79.7	79.7	79.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 400	83.9	87.1	87.4	87.4	87.4	87.4	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 200	86.8	90.2	90.6	90.6	90.6	90.6	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 100	88.9	92.7	93.0	93.1	93.2	93.2	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 80	90.6	94.4	94.8	94.9	95.0	95.0	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 60	90.8	94.7	95.0	95.1	95.2	95.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 40	91.1	95.1	95.1	95.8	95.9	95.9	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 20	91.7	96.0	96.3	96.4	96.5	96.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.5	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.25	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.1	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.05	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.025	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.01	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.005	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.0025	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.001	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.0005	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.00025	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.0001	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.00005	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.000025	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0.00001	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 STATION SALENA AFS AK STATION NAME

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.1	39.3	39.3	39.3	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	35.1	43.7	43.7	43.7	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 18000	35.6	44.3	44.3	44.3	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	35.9	44.9	44.9	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	36.3	45.6	45.6	45.6	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 12000	36.7	46.3	46.3	46.3	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	38.6	49.7	49.7	49.7	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 9500	39.4	50.8	50.8	50.8	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	45.1	58.6	58.6	58.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8500	45.9	64.4	64.4	64.4	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	49.7	66.1	66.1	66.1	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7500	53.1	72.3	72.3	72.3	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 7000	55.2	75.0	75.0	75.0	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6500	59.8	82.1	82.1	82.1	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 6000	62.6	87.6	87.6	87.6	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 5500	64.4	90.3	90.3	90.3	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 5000	65.1	92.2	92.2	92.2	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 4500	66.3	94.1	94.1	94.1	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 4000	66.3	94.8	94.8	94.8	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3500	66.4	95.1	95.1	95.1	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3000	66.4	95.6	95.7	95.8	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2500	66.4	96.3	96.4	96.6	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	66.4	96.3	96.4	96.6	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	66.4	96.4	96.4	96.6	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1600	66.4	96.4	96.7	96.8	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1400	66.4	96.7	97.2	97.3	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	66.4	96.7	97.2	97.3	98.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	66.4	96.7	97.3	97.6	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 50	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 20	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 ~~BALENA AFS AK~~ STATION NAME

73-62 YEAR

56P

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY, STATUTE MILES															
	2.0	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
NO. OF OBS.	30.1	32.9	31.0	33.1	33.2	33.2	33.2	33.3	33.3	33.3	33.5	33.5	33.5	33.5	33.6	33.7
20000	34.4	37.4	37.5	37.6	37.7	37.7	37.8	37.8	37.8	37.9	38.0	38.0	38.1	38.1	38.1	38.2
18000	35.7	38.8	38.9	39.0	39.1	39.1	39.1	39.2	39.2	39.3	39.4	39.4	39.5	39.5	39.5	39.6
16000	35.8	39.0	39.1	39.2	39.3	39.3	39.4	39.4	39.4	39.5	39.6	39.6	39.7	39.7	39.8	39.8
14000	36.7	39.9	40.0	40.1	40.2	40.2	40.2	40.3	40.3	40.4	40.5	40.5	40.6	40.6	40.6	40.7
12000	37.9	41.2	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.8	41.8	41.8	41.9	42.0
10000	41.7	45.5	45.6	45.7	45.8	45.8	45.9	45.9	45.9	46.0	46.1	46.1	46.2	46.2	46.3	46.3
9000	42.8	46.7	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.2	47.3	47.3	47.4	47.4	47.5	47.6
8000	49.0	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.3	54.5	54.5	54.5	54.6	54.6	54.7
7000	53.5	57.1	57.3	57.3	57.5	57.5	57.6	57.6	57.6	57.9	60.0	60.0	60.0	60.1	60.2	60.3
6000	55.4	61.9	62.1	62.2	62.4	62.4	62.5	62.7	62.7	62.8	62.9	62.9	63.0	63.0	63.1	63.2
5000	61.4	68.8	69.1	69.2	69.4	69.4	69.6	69.7	69.7	69.8	70.0	70.0	70.1	70.1	70.2	70.3
4500	64.4	71.9	72.1	72.2	72.4	72.4	72.6	72.8	72.8	72.9	73.1	73.0	73.2	73.2	73.3	73.3
4000	69.5	78.4	78.7	78.8	79.1	79.1	79.3	79.4	79.4	79.5	79.7	79.7	79.8	79.8	79.9	80.0
3500	73.8	83.9	84.3	84.4	84.7	84.7	84.9	85.1	85.1	85.2	85.4	85.4	85.5	85.5	85.6	85.7
3000	76.9	87.4	87.8	87.9	88.2	88.3	88.5	88.7	88.7	88.9	89.1	89.1	89.2	89.2	89.3	89.4
2500	79.7	90.7	90.9	90.7	91.1	91.1	91.3	91.5	91.5	91.7	91.9	91.9	92.0	92.1	92.2	92.3
2000	80.4	92.2	92.4	93.0	93.4	93.4	93.7	93.9	93.9	94.2	94.3	94.3	94.4	94.5	94.5	94.7
1800	80.7	92.8	93.3	93.6	94.0	94.0	94.3	94.5	94.5	94.8	94.9	94.9	95.1	95.1	95.2	95.3
1600	81.2	93.4	94.7	94.3	94.7	94.8	95.1	95.3	95.3	95.5	95.7	95.7	95.8	95.8	95.9	96.0
1400	81.7	94.1	94.7	95.1	95.5	95.6	95.9	96.1	96.1	96.4	96.5	96.5	96.7	96.7	96.8	96.9
1200	81.8	94.5	95.2	95.6	96.0	96.0	96.4	96.7	96.7	96.9	97.1	97.1	97.2	97.3	97.4	97.5
1000	82.0	94.7	95.5	95.9	96.4	96.4	96.8	97.0	97.0	97.3	97.4	97.4	97.6	97.6	97.7	97.8
900	82.1	94.9	95.8	96.1	96.7	96.7	97.0	97.3	97.3	97.6	97.7	97.7	97.9	97.9	98.0	98.1
800	82.2	95.1	96.1	96.4	96.9	97.0	97.3	97.6	97.6	97.9	98.0	98.0	98.2	98.2	98.3	98.4
700	82.3	95.2	96.1	96.6	97.1	97.1	97.5	97.8	97.8	98.1	98.2	98.2	98.4	98.4	98.5	98.6
600	82.3	95.4	96.3	96.8	97.4	97.5	97.9	98.2	98.2	98.5	98.7	98.7	98.8	98.9	99.0	99.1
500	82.3	95.5	96.5	97.0	97.7	97.8	98.3	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	99.6
400	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.7	99.0	99.2	99.2	99.4	99.5	99.6	99.7
300	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.7	99.0	99.2	99.2	99.4	99.5	99.6	99.7
200	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.7	99.0	99.2	99.2	99.4	99.5	99.6	99.7
100	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.7	99.0	99.2	99.2	99.4	99.5	99.6	99.7
0	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.7	99.0	99.2	99.2	99.4	99.5	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222 GALENA AFS AK STATION NAME

73-82 YEAR

051

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET		VISIBILITY STATUTE MILES															
		20	20	25	24	23	22	22	21	21	20	20	20	20	20	20	20
10000	2000	23.1	36.2	36.3	36.7	36.8	36.6	36.8	36.8	36.8	36.8	36.9	36.9	37.1	37.3	37.3	37.4
2	8000	24.2	37.8	38.1	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.6	38.8	39.0	39.0	39.1
2	6000	25.2	39.1	39.4	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	40.1	40.3	40.3	40.4
2	4000	25.2	39.1	39.4	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	40.1	40.3	40.3	40.4
2	2000	25.2	39.4	39.6	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.3	40.5	40.5	40.6
2	1000	25.2	39.4	39.6	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.3	40.5	40.5	40.6
2	800	26.1	40.6	40.9	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.5	41.5	41.7	41.9	41.9	42.0
2	600	26.1	40.8	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.8	42.0	42.0	42.2
2	400	28.3	44.5	44.8	45.2	45.3	45.3	45.3	45.5	45.5	45.5	45.7	45.7	45.9	46.1	46.1	46.2
2	200	31.3	48.7	49.1	49.4	49.6	49.6	49.6	49.9	49.9	49.9	50.1	50.1	50.3	50.5	50.5	50.6
2	100	32.5	51.5	51.9	52.2	52.4	52.4	52.4	52.7	52.7	52.7	52.9	52.9	53.1	53.3	53.3	53.4
2	80	35.4	56.9	57.2	57.5	57.8	57.8	57.8	58.2	58.2	58.2	58.5	58.5	58.7	58.9	58.9	59.0
2	60	36.2	58.9	59.2	59.8	60.1	60.1	60.1	60.4	60.4	60.4	60.8	60.8	61.0	61.2	61.2	61.3
2	40	38.9	63.3	63.7	64.5	65.1	65.1	65.2	65.5	65.5	65.5	65.8	65.8	66.0	66.2	66.2	66.3
2	20	41.9	68.6	69.7	70.0	70.6	70.6	70.8	71.2	71.2	71.3	71.5	71.5	71.7	71.9	71.9	72.0
2	10	43.3	72.5	73.0	74.1	74.9	74.9	75.2	75.6	75.7	75.8	76.0	76.0	76.2	76.5	76.5	76.6
2	8	44.2	75.3	75.9	77.1	78.1	78.1	78.4	78.8	78.9	79.2	79.6	79.6	79.8	80.0	80.0	80.1
2	6	45.6	79.9	80.6	81.8	83.2	83.2	83.7	84.1	84.3	84.7	85.1	85.1	85.3	85.5	85.5	85.6
2	4	45.9	80.3	81.1	82.3	83.7	83.7	84.1	84.5	84.7	85.2	85.5	85.5	85.7	85.9	85.9	86.0
2	2	46.6	81.8	83.1	84.4	85.8	85.9	86.3	86.6	87.3	87.7	88.1	88.1	88.3	88.5	88.5	88.6
2	1	47.8	84.4	85.7	87.1	88.7	88.9	89.4	89.9	90.5	91.0	91.3	91.3	91.5	91.7	91.7	91.8
2	0.8	47.8	84.7	86.1	87.5	89.1	89.4	89.8	90.5	91.2	91.6	91.9	91.9	92.3	92.5	92.5	92.6
2	0.6	48.0	85.3	86.7	88.1	89.7	89.9	90.3	91.1	91.7	92.2	92.5	92.5	92.8	93.0	93.0	93.1
2	0.4	48.1	85.5	86.9	88.3	90.0	90.2	90.8	91.5	92.2	92.6	92.9	92.9	93.2	93.4	93.4	93.5
2	0.2	48.2	85.9	87.5	88.9	90.8	91.0	92.0	92.8	93.4	93.9	94.2	94.2	94.5	94.7	94.7	94.8
2	0.1	48.2	86.3	88.1	89.6	91.6	91.8	93.0	93.8	94.4	94.8	95.3	95.3	95.6	95.8	95.8	95.9
2	0.05	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.3	95.3	97.3	97.7	98.0	98.4	98.6	98.6	98.7
2	0.02	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	97.8	98.4	98.6	99.0	99.2	99.2	99.4
2	0.01	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	97.8	98.4	98.6	99.1	99.4	99.4	99.7
2	0.005	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	98.1	98.7	98.9	99.5	99.7	99.7	100.0
2	0.002	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	98.1	98.7	98.9	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 070

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

CLIMAT CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME GALENA AFS AK

73-62

061

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

-300-0579

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 OBSERVATIONS																
≥20000	21.6	33.4	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥18000	22.4	35.4	35.5	35.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥16000	22.4	35.8	35.9	36.2	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	23.0	35.9	36.1	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥12000	23.2	36.1	36.2	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
≥10000	26.3	40.0	40.1	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥8000	26.5	40.5	40.6	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥6000	29.5	44.7	44.9	45.3	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥4000	32.4	44.9	50.1	50.4	50.9	50.9	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥2000	33.7	52.6	52.8	53.1	53.5	53.5	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥1000	36.1	56.1	56.5	56.8	57.2	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥500	37.3	58.0	58.3	58.6	59.1	59.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥250	40.3	63.1	63.4	64.2	64.7	64.7	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥125	43.1	66.7	69.2	69.9	70.4	70.4	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥62.5	44.1	72.3	72.8	73.8	74.3	74.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥31.25	44.9	74.7	75.4	76.5	77.0	77.2	77.4	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥15.625	47.0	78.7	79.9	81.0	81.6	81.6	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥7.8125	47.3	79.5	80.4	81.5	82.4	82.6	83.0	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥3.90625	44.7	81.9	83.1	84.2	85.4	85.6	86.3	86.8	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥1.953125	49.5	83.3	84.6	85.7	86.9	87.2	88.1	88.6	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥0.9765625	49.8	83.8	85.1	86.1	87.4	87.7	88.7	89.7	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥0.48828125	49.8	84.0	85.3	86.3	87.7	88.2	89.1	90.1	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2
≥0.244140625	50.1	85.3	86.6	87.6	89.4	89.8	91.6	92.6	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9
≥0.1220703125	50.1	85.6	86.9	88.0	89.8	90.2	92.2	93.2	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥0.06103515625	50.1	85.9	87.2	88.6	90.8	91.6	94.0	95.2	96.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥0.030517578125	50.1	85.9	87.2	88.6	90.8	91.6	94.0	95.5	96.5	97.8	98.7	98.7	98.7	98.7	98.7	98.7
≥0.0152587890625	50.1	86.0	87.3	88.7	90.9	91.7	94.1	95.6	96.6	98.0	98.8	98.8	98.8	98.8	98.8	98.8
≥0.00762939453125	50.2	86.1	87.3	88.7	90.9	91.7	94.1	95.6	96.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9
≥0.003814697265625	50.2	86.1	87.3	88.7	90.9	91.7	94.1	95.6	96.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 030

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

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 221 CALENA AFB AK STATION NAME 73-62 YEAR 251
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 600-6000

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
≥2000	26.1	27.7	29.1	26.0	29.0	26.0	28.1	28.1	28.7	28.2	29.4	29.4	28.5	26.7	28.3	26.6
≥1800	27.9	29.2	29.5	29.5	29.5	29.5	29.6	29.7	29.9	29.9	30.1	30.1	30.2	30.4	30.5	30.6
≥1600	27.8	29.8	30.3	30.0	30.0	30.0	30.1	30.2	30.4	30.4	30.6	30.6	30.8	31.0	31.1	31.2
≥1400	27.8	29.8	30.0	30.0	30.0	30.0	30.1	30.2	30.4	30.4	30.6	30.6	30.8	31.0	31.1	31.2
≥1200	28.3	30.2	30.4	30.4	30.4	30.4	30.5	30.6	30.9	30.9	31.1	31.1	31.2	31.4	31.5	31.6
≥1000	28.9	30.8	31.7	31.0	31.0	31.0	31.1	31.2	31.4	31.5	31.7	31.7	31.8	32.0	32.2	32.3
≥800	32.9	34.7	35.1	35.1	35.1	35.1	35.2	35.3	35.5	35.6	35.9	35.9	36.0	36.2	36.3	36.5
≥600	32.9	35.1	35.4	35.4	35.4	35.4	35.5	35.6	35.8	35.9	36.2	36.2	36.3	36.6	36.7	36.8
≥400	36.9	39.5	39.9	39.9	39.9	39.9	40.0	40.1	40.3	40.4	40.8	40.8	40.9	41.1	41.2	41.3
≥200	41.8	44.8	45.3	45.3	45.4	45.4	45.5	45.6	46.0	46.1	46.5	46.5	46.6	46.8	46.9	47.0
≥100	44.1	46.4	48.9	48.9	49.0	49.0	49.1	49.6	49.8	49.9	50.2	50.2	50.3	50.5	50.6	50.8
≥50	51.0	55.7	56.2	56.2	56.5	56.6	56.9	57.3	57.5	57.7	58.1	58.1	58.2	58.4	58.5	58.6
≥25	52.9	58.1	58.6	58.6	58.8	58.9	59.2	59.7	59.9	60.1	60.4	60.4	60.5	60.8	60.9	61.0
≥12.5	57.1	63.1	63.7	63.8	64.1	64.2	64.6	65.2	65.4	65.6	65.9	65.9	66.0	66.2	66.3	66.5
≥6.25	59.6	66.1	66.7	67.0	67.3	67.4	67.8	68.4	68.6	68.9	69.2	69.2	69.4	69.6	69.7	69.8
≥3.125	61.6	69.3	69.6	70.1	70.4	70.5	71.0	71.6	71.8	72.2	72.6	72.6	72.7	72.9	73.0	73.1
≥1.5625	63.9	71.9	72.5	73.4	73.9	74.1	74.5	75.2	75.4	75.7	76.1	76.1	76.2	76.5	76.6	76.7
≥0.78125	66.5	76.3	77.4	78.6	79.1	79.6	80.1	80.9	81.2	81.5	81.9	81.9	82.0	82.3	82.4	82.5
≥0.390625	67.7	76.9	78.0	79.1	79.7	80.1	80.6	81.4	81.7	82.2	82.6	82.6	82.7	82.9	83.0	83.1
≥0.1953125	68.6	78.9	80.1	81.3	81.8	82.3	83.2	84.2	84.6	85.5	86.0	86.0	86.1	86.3	86.5	86.6
≥0.09765625	69.9	80.2	81.6	82.8	83.4	84.1	85.2	86.5	86.9	87.7	88.3	88.3	88.4	88.6	88.8	88.9
≥0.048828125	69.7	81.1	82.5	83.7	84.4	85.2	86.5	87.7	88.2	89.2	90.0	90.0	90.1	90.3	90.5	90.6
≥0.0244140625	70.0	81.4	82.9	84.1	84.8	85.6	87.0	88.5	89.0	90.1	90.9	90.9	91.0	91.2	91.4	91.5
≥0.01220703125	70.3	81.7	83.2	84.4	85.2	85.9	87.6	89.4	89.9	91.0	91.5	91.5	91.8	91.9	92.2	92.5
≥0.006103515625	70.5	82.3	84.1	85.2	86.0	86.8	88.6	90.4	91.0	92.2	93.0	93.1	93.2	93.4	93.7	93.8
≥0.0030517578125	70.6	82.7	84.4	85.7	86.7	87.4	89.5	91.3	91.8	93.3	94.4	94.5	94.6	94.8	95.1	95.2
≥0.00152587890625	70.6	83.3	84.7	86.0	87.0	88.0	90.1	92.3	92.9	94.8	95.9	96.0	96.2	96.5	96.7	96.8
≥0.000762939453125	70.6	83.2	84.9	86.2	87.2	88.2	90.5	92.9	93.5	95.5	97.0	97.3	98.0	98.2	98.5	98.6
≥0.0003814697265625	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.6	98.0	98.6	98.8	99.1	99.2
≥0.00019073486328125	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.6	98.0	98.7	98.9	99.2	99.5
≥0.000095367431640625	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.7	98.2	98.9	99.1	99.5	100.0
≥0.0000476837158203125	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.7	98.2	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 030

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AR STATION NAME

73-52 YEARS

267

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-11-9

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 CLOUDS	28.4	28.7	29.7	28.8	28.8	28.6	28.8	28.8	28.8	28.8	28.9	28.9	29.0	29.0	29.0	29.0
2-2000	31.4	31.8	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.3	32.3	32.3	32.3
2-1000	32.4	33.5	33.7	33.8	33.8	33.6	33.6	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9
2-500	33.7	34.3	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.6	34.6	34.7	34.7	34.7	34.7
2-200	34.1	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	35.1	35.1	35.2	35.2	35.2	35.2
2-100	37.3	38.7	38.4	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.1	39.2	39.2	39.2
2-50	38.5	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.7	39.8	39.9	39.9	39.9
2-25	43.4	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.2	45.3	45.3	45.4	45.5	45.5
2-15	49.2	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.9	51.0	51.0	51.2	51.3	51.3
2-10	52.9	54.7	54.9	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.7	55.8	55.8	56.0	56.1	56.1
2-6	57.4	59.4	59.8	59.9	60.1	60.1	60.2	60.3	60.5	61.2	61.3	61.3	61.5	61.6	61.6	61.6
2-4	59.7	61.6	62.0	62.2	62.5	62.6	62.7	62.8	63.0	63.7	63.8	63.8	64.0	64.1	64.1	64.1
2-3	62.3	65.7	66.3	66.5	67.0	67.1	67.4	67.6	68.0	68.7	69.0	69.0	69.2	69.4	69.4	69.4
2-2	64.7	68.5	69.1	69.2	69.9	70.0	70.5	70.8	71.1	71.9	72.4	72.4	72.6	72.7	72.7	72.7
2-1.5	67.1	71.6	72.2	72.4	73.0	73.1	73.8	74.3	74.6	75.6	76.0	76.0	76.2	76.3	76.3	76.3
2-1	73.8	74.8	75.4	75.9	76.7	76.8	77.5	78.1	78.4	79.4	79.8	79.8	80.0	80.1	80.1	80.1
2-0.75	74.7	79.2	80.2	80.8	81.8	81.9	82.8	83.3	83.8	84.9	85.4	85.4	85.6	85.7	85.7	85.7
2-0.5	75.2	79.8	80.8	81.3	82.4	82.5	83.3	83.9	84.3	85.5	85.9	85.9	86.1	86.2	86.2	86.2
2-0.25	76.5	81.3	82.3	83.0	84.1	84.4	85.3	85.8	86.2	87.5	88.0	88.0	88.3	88.4	88.4	88.4
2-0.1	76.9	82.2	83.2	84.1	85.7	86.0	86.9	87.4	87.8	89.1	89.7	89.7	90.0	90.1	90.1	90.1
2-0.05	77.4	83.0	84.1	84.9	86.6	87.0	88.2	88.8	89.4	90.8	91.6	91.6	91.9	92.0	92.0	92.0
2-0.025	77.6	83.2	84.3	85.2	86.8	87.2	88.5	89.2	89.7	91.1	91.9	91.9	92.3	92.4	92.4	92.4
2-0.01	78.7	83.7	84.7	85.7	87.3	87.7	89.0	89.8	90.4	91.9	93.0	93.0	93.3	93.4	93.4	93.4
2-0.005	79.1	84.3	85.4	86.3	88.1	88.5	89.9	90.9	91.5	93.1	94.4	94.4	94.7	94.8	95.1	95.1
2-0.0025	79.3	85.8	86.9	87.8	89.7	90.1	91.6	92.6	93.2	94.9	96.2	96.2	96.6	96.7	96.9	96.9
2-0.001	79.4	86.2	87.3	88.3	90.1	90.6	92.2	93.2	94.0	95.9	97.4	97.4	97.7	97.8	98.1	98.1
2-0.0005	79.4	86.2	87.3	88.3	90.1	90.8	92.3	93.3	94.1	96.2	98.4	98.4	98.7	98.9	99.4	99.4
2-0.00025	79.4	86.2	87.3	88.3	90.1	90.8	92.3	93.3	94.1	96.2	98.5	98.5	98.8	99.2	99.4	99.5
2-0.0001	79.4	86.2	87.3	88.3	90.1	90.8	92.4	93.4	94.2	96.3	98.6	98.6	98.9	99.5	99.6	99.9
2-0.00005	79.4	86.2	87.3	88.3	90.1	90.8	92.4	93.4	94.2	96.3	98.6	98.6	98.9	99.5	99.6	100.0
2-0.000025	79.4	86.2	87.3	88.3	90.1	90.8	92.4	93.4	94.2	96.3	98.6	98.6	98.9	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

CEILING CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2225 CALENA AFS AK STATION NAME

73-82

067

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
9000	35.1	35.3	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
8000	36.4	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
7000	37.1	37.3	37.4	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
6000	38.1	38.2	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
5000	39.6	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
4000	43.1	43.7	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
3000	44.3	44.8	44.9	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
2000	49.0	50.0	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8
1000	54.0	55.1	55.3	55.3	55.4	55.5	55.6	55.6	55.6	56.1	56.1	56.1	56.2	56.2	56.2	56.2
500	56.3	57.5	57.8	57.8	58.0	58.1	58.4	58.4	58.4	59.1	59.2	59.2	59.4	59.4	59.4	59.4
400	59.3	60.5	61.1	61.1	61.3	61.4	61.8	61.9	62.0	62.8	62.9	62.9	63.0	63.0	63.0	63.0
300	60.8	62.3	62.8	62.8	63.0	63.1	63.5	63.7	63.8	64.5	64.6	64.6	64.7	64.7	64.7	64.7
200	63.3	65.2	65.8	65.8	66.0	66.1	66.7	66.9	67.0	67.7	67.8	67.8	68.0	68.0	68.0	68.0
100	66.8	69.0	69.7	69.7	69.9	70.0	70.5	70.8	70.9	71.6	71.7	71.7	71.8	71.8	71.8	71.8
50	69.9	72.3	73.1	73.1	73.2	73.3	74.0	74.2	74.3	75.1	75.2	75.2	75.3	75.4	75.5	75.5
20	72.7	75.6	76.5	76.5	76.8	76.9	77.5	77.7	77.8	78.8	78.9	78.9	79.0	79.1	79.2	79.2
10	75.3	78.9	80.7	80.7	81.0	81.1	82.0	82.3	82.4	83.5	83.8	83.8	83.9	84.0	84.1	84.1
5	76.1	79.8	81.0	81.4	82.0	82.2	83.1	83.3	83.4	84.6	84.8	84.8	84.9	85.1	85.2	85.2
2	77.5	81.3	82.7	83.1	83.6	84.0	85.1	85.4	85.6	87.4	87.6	87.6	87.7	87.8	88.0	88.0
1	79.4	83.1	84.5	84.9	85.7	86.0	87.2	88.0	88.2	90.0	90.3	90.3	90.4	90.5	90.6	90.6
0.5	80.0	83.8	85.3	85.8	86.9	87.2	88.5	89.2	89.7	91.6	92.3	92.3	92.4	92.5	92.6	92.6
0.2	80.3	84.1	85.6	86.3	87.3	87.6	88.9	89.7	90.2	92.2	92.8	92.8	92.9	93.0	93.1	93.1
0.1	80.5	84.3	85.8	86.6	87.5	87.8	89.1	89.9	90.8	92.6	93.5	93.5	93.7	93.8	93.9	93.9
0.05	81.8	85.8	87.4	88.3	89.5	89.8	91.3	92.0	92.7	95.3	96.2	96.2	96.3	96.5	96.6	96.6
0.02	82.2	86.6	88.2	89.0	90.3	90.6	92.2	92.9	93.5	96.2	97.2	97.2	97.3	97.4	97.5	97.5
0.01	82.4	87.1	88.8	89.7	91.1	91.5	93.0	93.8	94.4	97.2	98.2	98.3	98.5	98.6	98.7	98.7
0.005	82.5	87.3	89.1	89.9	91.3	91.7	93.3	94.1	94.7	97.5	99.0	99.1	99.6	99.7	99.8	99.8
0.002	82.5	87.3	89.1	90.0	91.4	91.8	93.4	94.2	94.8	97.7	99.2	99.4	99.8	99.9	100.0	100.0
0.001	82.5	87.3	89.1	90.0	91.4	91.8	93.4	94.2	94.8	97.7	99.2	99.4	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 070

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220

SALENA AFS AK STATION NAME

73-67

057

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

		VISIBILITY, STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1	8000	29.7	29.9	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
2	7000	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
3	6000	35.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
4	5000	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
5	4000	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
6	3000	39.9	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
7	2000	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
8	1000	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
9	800	45.1	48.3	48.3	48.4	48.4	48.4	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
10	700	52.6	52.9	52.9	53.0	53.0	53.0	53.2	53.3	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8
11	600	53.5	53.9	53.9	54.0	54.0	54.0	54.2	54.4	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8
12	500	55.7	59.1	59.4	59.5	59.5	59.5	59.7	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3
13	400	61.4	61.9	62.2	62.3	62.3	62.3	62.5	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1
14	300	64.3	65.3	65.5	65.6	65.6	65.6	65.8	66.0	66.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6
15	200	69.1	69.5	69.9	70.0	70.0	70.1	70.3	70.5	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1
16	100	70.9	72.4	72.4	73.1	73.4	73.9	74.3	74.7	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3
17	80	73.7	76.0	75.4	75.9	77.2	77.6	78.1	78.5	78.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2
18	60	76.1	79.9	80.8	81.1	82.0	82.6	83.3	84.2	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1
19	40	76.9	80.4	81.4	81.9	82.7	83.2	84.0	84.9	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8
20	20	78.1	81.8	82.9	83.4	84.2	84.7	85.5	86.6	87.2	88.0	88.1	88.1	88.1	88.1	88.1	88.1
21	10	79.9	83.9	85.1	85.8	86.9	87.4	88.3	89.6	90.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3
22	5	80.5	85.1	86.2	87.1	88.1	88.8	89.9	91.2	91.9	92.7	93.0	93.0	93.0	93.0	93.0	93.0
23	2	80.8	85.4	86.6	87.5	88.8	89.4	90.4	91.7	92.6	93.3	93.7	93.8	93.8	93.8	93.8	93.8
24	1	81.1	85.6	86.8	87.8	89.1	89.7	90.8	92.0	92.9	93.7	94.1	94.3	94.3	94.3	94.3	94.3
25	0	82.1	86.8	88.1	89.0	90.3	90.9	91.9	93.3	94.2	95.3	95.7	95.9	95.9	95.9	95.9	95.9
26	0	82.0	87.1	88.3	89.4	90.6	91.2	92.3	93.7	94.5	95.6	96.1	96.3	96.3	96.3	96.3	96.3
27	0	82.0	87.4	88.6	89.7	91.1	91.6	93.2	94.6	95.7	97.0	97.6	97.8	97.8	97.8	97.8	97.8
28	0	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9
29	0	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9
30	0	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9
31	0	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222 SALENA AFS AK STATION NAME

73-62

267

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
27000	27.1	33.4	33.5	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
26000	28.9	35.5	35.6	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
25000	30.3	37.0	37.1	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
24000	31.4	37.1	37.2	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
23000	30.4	37.8	37.9	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
22000	31.9	39.1	39.1	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
21000	34.9	42.3	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
20000	35.1	42.6	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
19000	38.9	47.7	47.8	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
18000	42.5	52.2	52.3	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
17000	44.4	55.1	55.2	55.5	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
16000	49.0	61.4	61.8	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
15000	50.4	62.9	63.3	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
14000	53.4	67.1	67.7	68.2	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
13000	55.6	70.6	71.9	72.4	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
12000	57.6	73.3	74.6	75.4	76.0	76.2	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
11000	59.5	76.7	79.2	79.1	79.8	80.0	80.2	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
10000	61.1	80.6	82.2	83.3	84.4	84.6	85.7	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.5
9000	61.3	81.3	82.8	84.0	85.1	85.3	86.3	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1
8000	62.5	83.2	84.8	86.2	87.8	88.1	89.1	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3
7000	63.1	84.7	86.5	88.2	89.8	90.0	91.2	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6
6000	63.4	84.9	86.7	88.5	90.2	90.4	91.9	92.8	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.7
5000	63.9	85.4	87.1	88.9	90.6	90.9	92.5	93.4	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.5
4000	63.8	85.4	87.1	88.9	90.6	90.9	92.5	93.4	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.5
3000	64.0	85.7	87.4	89.2	91.2	91.4	93.0	94.0	94.4	95.1	95.3	95.3	95.3	95.3	95.3	95.4
2000	64.2	86.2	88.7	89.8	91.7	91.9	93.5	94.7	95.2	95.8	96.1	96.1	96.1	96.1	96.1	96.2
1000	64.4	87.1	88.8	90.6	92.7	92.9	95.1	96.2	96.9	98.3	98.6	98.7	98.7	98.7	98.7	98.8
500	64.4	87.2	88.9	90.8	92.8	93.0	95.3	96.8	97.4	98.8	99.5	99.6	99.7	99.7	99.7	99.8
200	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.8	99.8	99.8	99.9
100	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.8	99.8	99.8	99.9
50	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.8	99.8	99.8	99.9
0	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 ALENA AFS AK STATION NAME

13-82 YEAR

05T

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
NO FLYING	23.1	35.3	35.4	36.0	36.1	36.1	36.2	36.2	35.2	36.3	36.3	36.3	36.3	35.5	36.5	36.6
1 2000	24.2	36.3	37.3	37.5	37.6	37.6	37.7	37.7	37.7	37.8	37.9	37.9	37.9	38.0	38.0	38.1
2 800	24.5	37.4	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.6	38.7
3 600	24.8	37.4	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.6	38.6	38.7
4 400	24.5	37.7	38.3	38.5	38.6	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.9	38.9	39.0
5 200	25.3	38.4	38.9	39.1	39.2	39.2	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.6	39.6	39.7
6 1000	27.0	40.9	41.3	41.5	41.6	41.6	41.7	41.9	41.9	42.0	42.0	42.0	42.0	42.2	42.2	42.3
7 900	27.5	41.4	41.7	42.2	42.3	42.3	42.4	42.6	42.6	42.7	42.7	42.7	42.7	42.8	42.8	42.9
8 700	35.4	46.3	47.1	47.3	47.4	47.4	47.5	47.7	47.7	47.8	47.8	47.8	47.8	48.0	48.0	48.1
9 500	34.5	51.6	52.4	52.6	52.7	52.7	52.8	53.0	53.0	53.1	53.1	53.1	53.1	53.2	53.2	53.3
10 4000	35.4	51.8	56.7	56.9	57.0	57.0	57.1	57.3	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.6
11 3000	36.9	52.9	60.4	61.1	61.2	61.2	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.8
12 2500	38.2	61.3	62.5	62.6	62.8	62.8	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.4
13 2000	41.1	65.4	66.5	66.6	67.1	67.1	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8	68.0
14 1800	43.4	69.6	70.8	71.1	71.5	71.5	71.8	72.0	72.0	72.2	72.2	72.2	72.2	72.3	72.3	72.4
15 1600	44.7	71.9	73.4	74.0	74.6	74.6	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.7
16 1400	45.6	74.3	75.9	76.6	77.6	77.7	78.5	79.2	79.2	79.4	79.4	79.4	79.4	79.5	79.5	79.6
17 1200	47.5	79.1	81.4	82.2	83.3	83.4	84.3	85.2	85.4	85.6	85.6	85.6	85.6	85.7	85.7	85.8
18 1000	47.8	79.9	82.2	82.9	84.2	84.3	85.2	86.1	86.2	86.5	86.5	86.5	86.5	86.6	86.6	86.7
19 900	48.6	81.7	84.7	85.5	87.0	87.1	88.3	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
20 800	49.5	83.5	86.7	87.6	89.1	89.4	90.4	91.8	92.3	92.5	92.5	92.5	92.5	92.6	92.6	92.7
21 700	49.6	83.8	86.9	87.8	89.4	89.7	90.9	92.3	92.8	93.2	93.2	93.2	93.2	93.3	93.3	93.4
22 600	49.9	84.1	87.3	88.3	89.9	90.2	91.4	92.8	93.3	93.8	93.8	93.8	93.8	93.9	93.9	94.0
23 500	49.9	84.1	87.3	88.3	89.9	90.2	91.5	92.9	93.5	94.1	94.2	94.2	94.2	94.3	94.3	94.4
24 400	50.0	84.4	88.3	88.9	90.5	90.9	92.3	93.7	94.4	95.1	95.2	95.2	95.2	95.3	95.3	95.4
25 300	50.3	84.9	88.5	89.5	91.1	91.4	92.8	94.3	95.1	95.7	95.8	95.8	95.8	95.9	95.9	96.0
26 200	50.3	85.2	89.0	90.1	92.0	92.5	94.0	95.6	96.6	97.7	98.1	98.1	98.1	98.2	98.2	98.5
27 100	50.5	85.4	89.2	90.3	92.3	92.7	94.3	96.2	97.3	98.6	99.2	99.2	99.2	99.4	99.4	99.7
28 50	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8
29 0	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8
30 0	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 930

CLIMAT. CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 7-2220 CALENA AFS AK STATION NAME 73-82 YEAR 1967 ASST ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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. OF OBS.	26.1	31.9	37.0	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.5	32.6	32.6
≥20000	26.1	31.9	37.0	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.5	32.6	32.6
≥18000	29.5	35.7	35.9	36.0	36.1	36.1	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.4	36.5	36.6
≥16000	29.5	35.8	36.0	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.4	36.4	36.5	36.5	36.6	36.7
≥14000	30.0	36.3	36.5	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.1	37.2
≥12000	30.8	37.1	37.2	37.4	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.7	37.8	37.9	37.9
≥10000	33.9	40.5	40.7	40.8	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.2	41.3	41.4	41.4
≥9000	34.2	41.7	41.8	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
≥8000	38.1	45.7	46.3	46.2	46.3	46.3	46.3	46.4	46.5	46.6	46.7	46.7	46.7	46.8	46.9	47.0
≥7000	42.3	50.7	51.0	51.1	51.3	51.3	51.4	51.5	51.6	51.7	51.8	51.8	51.9	52.0	52.1	52.2
≥6000	44.1	53.7	54.0	54.2	54.3	54.3	54.5	54.7	54.7	54.9	55.0	55.0	55.1	55.2	55.3	55.4
≥5000	47.9	58.6	59.1	59.3	59.5	59.5	59.7	59.9	60.0	60.2	60.3	60.3	60.4	60.5	60.6	60.7
≥4500	49.6	60.6	61.1	61.3	61.6	61.6	61.8	62.0	62.1	62.3	62.4	62.4	62.5	62.6	62.7	62.8
≥4000	52.6	64.8	65.3	65.7	66.0	66.1	66.3	66.6	66.7	67.0	67.1	67.1	67.2	67.3	67.4	67.4
≥3500	55.4	68.8	69.5	69.9	70.3	70.4	70.7	71.0	71.1	71.4	71.5	71.5	71.6	71.7	71.8	71.9
≥3000	57.5	71.9	72.7	73.2	73.8	73.9	74.3	74.7	74.8	75.1	75.3	75.3	75.3	75.4	75.6	75.6
≥2500	59.4	74.9	75.8	76.5	77.1	77.3	77.8	78.2	78.4	78.8	78.9	79.0	79.1	79.2	79.3	79.3
≥2000	61.7	79.1	80.3	81.2	82.1	82.3	83.0	83.6	83.8	84.3	84.5	84.5	84.6	84.7	84.8	84.9
≥1800	62.2	79.7	80.9	81.8	82.8	83.0	83.7	84.3	84.6	85.1	85.3	85.3	85.3	85.4	85.5	85.5
≥1600	63.4	81.5	83.0	83.9	85.0	85.3	86.1	86.8	87.2	87.9	88.1	88.1	88.2	88.3	88.5	88.5
≥1400	64.3	83.2	84.7	85.8	87.0	87.4	88.3	89.2	89.7	90.4	90.7	90.7	90.8	90.9	91.0	91.1
≥1200	64.9	83.8	85.3	86.5	87.8	88.2	89.3	90.3	90.8	91.7	92.0	92.0	92.2	92.3	92.4	92.5
≥1000	65.0	84.1	85.7	86.8	88.2	88.6	89.8	90.8	91.4	92.2	92.6	92.6	92.8	92.9	93.0	93.1
≥900	65.2	84.4	86.7	87.1	88.5	88.9	90.2	91.3	91.9	92.8	93.3	93.3	93.5	93.5	93.7	93.6
≥800	65.6	85.1	86.9	87.9	89.5	89.9	91.3	92.5	93.1	94.2	94.7	94.8	94.9	95.0	95.1	95.2
≥700	65.8	85.7	87.4	88.4	90.2	90.6	92.1	93.3	94.0	95.1	95.7	95.8	95.9	96.0	96.1	96.2
≥600	65.9	86.1	87.9	89.1	90.9	91.4	93.2	94.5	95.4	96.9	97.6	97.7	97.9	98.0	98.2	98.2
≥500	66.0	86.2	88.0	89.3	91.0	91.6	93.5	94.9	95.8	97.5	98.7	98.9	99.1	99.2	99.4	99.5
≥400	66.0	86.2	88.1	89.3	91.1	91.7	93.5	95.0	95.9	97.7	98.8	99.0	99.3	99.4	99.6	99.7
≥300	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	98.9	99.1	99.4	99.5	99.7	99.9
≥200	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	99.0	99.2	99.5	99.6	99.8	100.0
≥100	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	99.0	99.2	99.5	99.6	99.8	100.0
≥0	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	99.0	99.2	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW - FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-225- ~~ALANA AFS AK~~ STATION NAME

73-62

YEARS

1954

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

030-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	27.6	44.3	45.1	45.8	46.2	46.2	46.4	46.4	46.6	47.1	47.1	47.2	47.2	47.3	47.3	47.3
2 20000	29.7	47.3	48.1	48.7	49.1	49.1	49.3	49.3	49.4	50.0	50.0	50.1	50.1	50.2	50.2	50.2
2 18000	30.3	48.4	49.1	49.8	50.2	50.2	50.4	50.4	50.6	51.1	51.1	51.2	51.2	51.3	51.3	51.3
2 16000	30.3	48.4	49.1	49.8	50.2	50.2	50.4	50.4	50.6	51.1	51.1	51.2	51.2	51.3	51.3	51.3
2 14000	30.4	48.8	49.6	50.2	50.7	50.6	51.0	51.0	51.1	51.7	51.7	51.8	51.8	51.9	51.9	51.9
2 12000	30.4	48.8	49.6	50.2	50.7	50.6	51.0	51.0	51.1	51.7	51.7	51.8	51.8	51.9	51.9	51.9
2 10000	32.0	51.2	52.7	52.7	53.1	53.2	53.6	53.6	53.7	54.2	54.2	54.3	54.3	54.4	54.4	54.4
2 9000	32.0	51.2	52.7	52.7	53.1	53.2	53.6	53.6	53.7	54.2	54.2	54.3	54.3	54.4	54.4	54.4
2 8000	33.7	53.9	54.6	55.2	55.7	55.8	56.1	56.1	56.3	57.0	57.0	57.1	57.1	57.2	57.2	57.2
2 7000	35.4	57.3	57.8	58.4	59.2	59.3	59.7	59.8	60.3	60.7	60.7	60.8	60.8	60.9	60.9	60.9
2 6000	36.2	59.6	60.4	61.1	62.7	62.1	62.4	62.6	62.8	63.4	63.4	63.6	63.6	63.7	63.7	63.7
2 5000	39.0	64.1	65.0	65.9	67.1	67.2	67.8	67.9	68.1	68.9	68.9	69.0	69.0	69.1	69.1	69.1
2 4500	38.1	65.1	66.0	66.9	68.1	68.2	68.8	68.9	69.1	69.9	69.9	70.0	70.0	70.1	70.1	70.1
2 4000	39.9	68.4	69.7	70.7	72.2	72.3	73.1	73.6	73.8	74.7	74.7	74.8	74.8	74.9	74.9	74.9
2 3500	39.3	71.2	72.7	73.9	75.6	76.1	76.9	77.3	77.7	78.7	78.7	78.8	78.8	78.9	78.9	78.9
2 3000	40.1	74.2	75.9	77.3	79.0	79.7	80.8	81.3	81.9	82.8	82.8	82.9	82.9	83.0	83.0	83.0
2 2500	40.2	75.3	77.1	78.6	80.3	81.1	82.4	83.0	83.4	84.4	84.4	84.6	84.6	84.7	84.7	84.7
2 2000	41.0	78.2	80.1	82.2	84.2	85.2	86.6	87.4	87.9	88.9	89.2	89.3	89.3	89.4	89.4	89.4
2 1800	41.1	79.1	80.9	83.3	85.3	86.4	88.1	88.8	89.2	90.2	90.6	90.7	90.8	90.9	90.9	90.9
2 1600	41.1	79.4	81.6	84.3	86.7	88.0	89.8	90.9	91.3	92.3	92.7	92.8	92.9	93.0	93.0	93.0
2 1400	41.1	80.2	82.3	85.2	87.8	89.1	91.0	92.2	92.9	94.0	94.3	94.6	94.7	94.8	94.8	94.8
2 1200	41.1	80.3	82.4	85.4	88.0	89.3	91.3	92.7	93.7	94.8	95.1	95.3	95.4	95.6	95.6	95.6
2 1000	41.1	80.3	82.4	85.4	88.0	89.3	91.3	92.7	93.7	94.8	95.1	95.3	95.4	95.6	95.6	95.6
2 900	41.1	80.8	82.9	85.9	88.4	89.9	91.9	93.2	94.2	95.3	95.7	95.9	96.0	96.1	96.1	96.1
2 800	41.1	81.1	83.2	86.2	88.9	90.3	92.3	93.7	94.7	95.8	96.6	96.8	96.9	97.0	97.0	97.0
2 700	41.1	81.1	83.4	86.4	89.1	90.6	92.6	93.9	94.9	96.0	96.8	97.0	97.1	97.2	97.2	97.2
2 600	41.2	82.0	84.1	87.2	89.9	91.3	93.4	94.8	95.8	97.1	98.0	98.2	98.3	98.4	98.4	98.4
2 500	41.2	82.0	84.1	87.2	89.9	91.3	93.4	94.8	95.8	97.1	98.0	98.3	98.4	98.6	98.6	98.6
2 450	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.7	98.7	99.2	99.3	99.4	99.4	99.4
2 400	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.8	98.9	99.4	99.6	99.7	99.7	99.7
2 350	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.8	99.0	99.6	99.7	99.9	99.9	99.9
2 300	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.8	99.1	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 999

LOCAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222 GALENA AFS AK STATION NAME

73-62

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-2500

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥20000	25.6	43.4	43.7	44.6	45.0	45.0	45.0	45.1	45.4	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥18000 ≥16000	27.7	46.2	46.4	47.3	47.8	47.8	47.8	47.9	48.2	48.7	48.8	48.8	48.8	48.8	48.8	48.8
≥14000 ≥12000	28.4	47.1	47.3	48.2	48.7	48.7	48.7	48.8	49.1	49.6	49.7	49.7	49.7	49.7	49.7	49.7
≥10000 ≥8000	28.6	47.2	47.4	48.3	48.8	48.8	48.8	48.9	49.2	49.7	49.8	49.8	49.8	49.8	49.8	49.8
≥6000 ≥4000	28.7	47.8	48.7	48.9	49.3	49.3	49.3	49.4	49.6	50.2	50.3	50.3	50.3	50.3	50.3	50.3
≥2000 ≥1000	30.3	50.4	51.7	51.6	52.0	52.0	52.0	52.1	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0
≥800 ≥600	30.9	51.3	51.6	52.4	53.0	53.0	53.0	53.1	53.4	53.9	54.0	54.0	54.0	54.0	54.0	54.0
≥400 ≥200	32.0	53.3	53.6	54.4	55.1	55.1	55.1	55.2	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1
≥100 ≥50	34.1	55.7	55.9	56.6	57.6	57.6	57.6	57.7	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.6
≥20 ≥10	35.2	58.4	58.7	59.7	60.6	60.6	60.6	60.7	61.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7
≥5 ≥2	37.1	63.7	63.2	64.2	65.4	65.4	65.4	65.6	65.9	66.4	66.6	66.6	66.6	66.6	66.6	66.6
≥1 ≥0.5	37.1	63.4	63.9	64.9	66.3	66.3	66.4	66.6	66.9	67.4	67.6	67.6	67.6	67.6	67.6	67.6
≥0.25 ≥0.1	37.7	67.2	68.1	69.1	70.8	70.8	70.9	71.2	71.6	72.1	72.2	72.2	72.2	72.2	72.2	72.2
≥0.05 ≥0.02	38.1	69.9	70.9	72.4	74.3	74.4	74.6	74.9	75.2	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥0.01 ≥0.005	38.9	72.2	73.3	75.4	77.4	77.6	77.7	78.0	78.4	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥0.002 ≥0.001	39.3	73.7	74.9	77.0	79.0	79.1	79.4	80.0	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥0.0005 ≥0.0002	40.1	77.2	78.7	81.3	83.7	83.8	84.1	84.8	85.3	86.0	86.4	86.4	86.4	86.4	86.4	86.4
≥0.0001 ≥0.00005	40.3	78.0	79.4	82.1	84.6	84.6	85.2	86.0	86.6	87.2	87.7	87.7	87.7	87.7	87.7	87.7
≥0.00002 ≥0.00001	40.7	79.7	81.1	84.2	87.0	87.2	88.2	89.3	89.9	90.7	91.1	91.1	91.1	91.1	91.1	91.1
≥0.000005 ≥0.000002	41.1	80.8	82.4	85.6	88.7	88.9	90.0	91.1	91.8	92.8	93.4	93.4	93.4	93.4	93.4	93.4
≥0.000001 ≥0.0000005	41.2	81.3	83.7	86.2	89.3	89.6	91.0	92.2	92.9	94.2	95.0	95.0	95.0	95.0	95.0	95.0
≥0.0000002 ≥0.0000001	41.2	81.7	83.3	86.6	89.8	90.0	91.7	93.0	93.7	95.0	95.8	95.8	95.8	95.8	95.8	95.8
≥0.00000005 ≥0.00000002	41.2	81.8	83.7	86.9	90.1	90.3	92.0	93.4	94.1	95.4	96.2	96.2	96.2	96.2	96.2	96.2
≥0.00000001 ≥0.000000005	41.2	82.1	84.0	87.2	90.4	90.7	92.3	93.9	94.6	95.9	96.8	96.8	96.8	96.8	96.8	96.8
≥0.000000002 ≥0.000000001	41.2	82.3	84.2	87.4	90.8	90.9	92.6	94.1	94.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3
≥0.0000000005 ≥0.0000000002	41.2	82.3	84.2	87.4	90.8	91.0	92.7	94.4	95.1	97.2	98.1	98.1	98.2	98.4	98.6	98.6
≥0.0000000001 ≥0.00000000005	41.2	82.3	84.2	87.4	90.8	91.0	92.7	94.4	95.2	97.8	98.7	98.7	98.8	99.0	99.1	99.1
≥0.00000000002 ≥0.00000000001	41.2	82.3	84.2	87.4	90.8	91.1	92.8	94.7	95.4	98.1	99.1	99.1	99.2	99.4	99.7	99.7
≥0.000000000005 ≥0.000000000002	41.2	82.3	84.2	87.4	90.8	91.1	92.8	94.7	95.4	98.2	99.3	99.3	99.4	99.7	100.0	100.0
≥0.000000000001 ≥0.0000000000005	41.2	82.3	84.2	87.4	90.8	91.1	92.8	94.7	95.4	98.2	99.3	99.3	99.4	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 000

CLIMATE CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

7-225

SALLA AFS AK STATION NAME

73-62

YEAR

854

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

688-0688

		VISIBILITY - STATUTE MILES															
ELEVATION - FEET		≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. OF	FEET																
20000	50.4	42.1	42.6	42.7	44.0	44.0	44.7	44.1	44.2	44.3	44.6	44.8	45.0	45.0	45.0	45.0	45.0
18000	51.0	42.4	43.2	43.3	44.7	44.7	44.7	44.6	44.9	45.0	45.2	45.4	45.7	45.7	45.7	45.7	45.7
16000	51.3	43.6	44.0	44.1	45.4	45.4	45.4	45.6	45.7	45.8	46.0	46.2	46.4	46.4	46.4	46.4	46.4
14000	51.3	43.8	44.2	44.3	45.7	45.7	45.7	45.6	45.9	46.0	46.2	46.4	46.7	46.7	46.7	46.7	46.7
12000	52.6	44.4	44.9	45.0	46.3	46.3	46.3	46.4	46.6	46.7	46.9	47.1	47.3	47.3	47.3	47.3	47.3
10000	53.4	45.9	46.1	46.4	47.8	47.8	47.8	47.9	48.0	48.1	48.3	48.6	48.8	48.8	48.8	48.8	48.8
8000	55.7	48.6	49.7	49.1	50.4	50.4	50.4	50.6	50.7	50.8	51.0	51.2	51.4	51.4	51.4	51.4	51.4
6000	56.7	49.3	49.4	49.7	51.1	51.1	51.1	51.2	51.3	51.4	51.7	51.9	52.1	52.1	52.1	52.1	52.1
4000	57.7	52.1	52.6	52.8	54.2	54.2	54.2	54.3	54.4	54.6	54.8	55.0	55.2	55.2	55.2	55.2	55.2
2000	59.4	54.6	55.3	55.2	56.9	56.9	56.9	57.0	57.1	57.3	57.6	57.8	58.0	58.0	58.0	58.0	58.0
1000	40.7	56.8	57.2	57.6	59.2	59.2	59.2	59.4	59.7	59.9	60.1	60.3	60.6	60.6	60.6	60.6	60.6
500	43.3	62.8	63.4	64.0	65.7	65.7	65.7	65.9	66.1	66.3	66.6	66.8	67.0	67.0	67.0	67.0	67.0
4000	43.6	63.3	64.1	64.9	66.6	66.6	66.6	66.8	67.0	67.2	67.4	67.7	67.9	67.9	67.9	67.9	67.9
3000	44.0	66.0	67.3	68.3	70.1	70.1	70.1	70.3	70.6	71.0	71.2	71.4	71.7	71.7	71.7	71.7	71.7
2000	45.3	69.3	70.3	71.6	73.3	73.4	73.4	73.7	74.1	74.3	74.6	74.8	75.0	75.0	75.0	75.0	75.0
1000	46.3	72.3	73.3	74.9	77.0	77.0	77.0	78.0	78.4	78.9	79.1	79.3	79.6	79.8	79.8	79.8	79.8
500	46.6	74.0	75.4	77.4	80.2	80.6	80.8	81.3	81.8	82.0	82.2	82.4	82.7	82.7	82.7	82.7	82.7
4000	47.4	76.7	78.1	80.2	83.4	83.8	84.1	84.7	85.1	85.7	85.9	86.1	86.3	86.4	86.4	86.4	86.4
3000	47.6	77.2	78.7	80.8	84.2	84.6	84.9	85.4	86.0	86.6	86.8	87.0	87.2	87.2	87.3	87.3	87.3
2000	49.0	79.8	81.3	83.4	87.2	87.6	88.2	89.2	89.9	90.4	90.7	90.9	91.1	91.1	91.2	91.2	91.2
1000	49.0	80.9	82.6	84.8	88.8	89.1	90.0	91.1	91.9	92.7	92.9	93.1	93.3	93.3	93.4	93.4	93.4
500	49.4	81.7	83.3	85.4	89.7	90.0	90.9	92.0	92.9	94.1	94.7	95.0	95.2	95.2	95.3	95.3	95.3
4000	49.7	82.0	83.7	85.9	90.1	90.4	91.4	92.7	93.6	95.0	95.6	95.9	96.1	96.1	96.2	96.2	96.2
3000	49.8	82.3	84.4	86.7	90.9	91.2	92.2	93.7	94.6	96.0	96.6	96.9	97.1	97.1	97.2	97.2	97.2
2000	49.8	82.6	84.7	86.9	91.1	91.4	92.4	93.9	94.8	96.2	96.8	97.1	97.3	97.3	97.4	97.4	97.4
1000	49.9	82.8	84.9	87.1	91.4	91.8	92.8	94.2	95.2	96.9	97.4	97.8	98.0	98.0	98.1	98.1	98.1
500	49.9	83.0	85.2	87.4	91.8	92.1	93.1	94.6	95.6	97.2	97.9	98.2	98.4	98.6	98.7	98.7	98.7
4000	49.9	83.3	85.2	87.4	91.8	92.1	93.1	94.8	95.8	97.7	98.4	98.8	99.0	99.1	99.2	99.2	99.2
3000	49.9	83.3	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.3	99.4	99.4	99.4	99.4
2000	49.9	83.3	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.3	99.4	99.4	99.4	99.4
1000	49.9	83.3	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.3	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 988

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-22C STATION NAME SALENA AFS AK STATION NAME 73-82 YEARS 1961
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 030-1436

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. FEET	39.2	39.1	39.2	39.3	39.4	39.7	39.8	40.0	40.0	40.2	40.3	40.3	40.5	40.5	40.8	40.8
2-2000	40.7	41.3	41.2	41.3	41.4	41.7	41.8	42.0	42.0	42.2	42.3	42.3	42.5	42.5	42.8	42.8
2-1800	42.4	43.6	43.7	43.8	43.9	44.3	44.4	44.6	44.6	44.7	44.8	44.8	45.1	45.1	45.4	45.4
2-1600	42.7	43.9	44.0	44.2	44.3	44.6	44.7	44.9	44.9	45.1	45.2	45.2	45.4	45.4	45.7	45.7
2-1400	43.7	44.3	44.4	44.5	44.6	44.9	45.1	45.3	45.3	45.4	45.5	45.5	45.7	45.7	46.1	46.1
2-1200	44.6	45.8	45.9	46.1	46.2	46.5	46.6	46.8	46.8	46.9	47.1	47.1	47.3	47.3	47.6	47.6
2-1000	48.3	49.7	49.8	49.9	50.1	50.4	50.5	50.7	50.7	50.8	50.9	50.9	51.2	51.2	51.5	51.5
2-800	48.4	49.8	49.9	50.1	50.2	50.5	50.6	50.8	50.8	50.9	51.1	51.1	51.3	51.3	51.6	51.6
2-600	51.4	52.9	53.1	53.2	53.3	53.6	53.7	53.9	53.9	54.1	54.3	54.3	54.5	54.5	54.8	54.8
2-400	53.5	55.3	55.5	55.6	55.7	56.1	56.3	56.5	56.5	56.6	56.8	56.8	57.1	57.1	57.4	57.4
2-200	54.4	56.7	57.1	57.1	57.2	57.5	57.7	58.0	58.1	58.2	58.4	58.4	58.6	58.6	59.0	59.0
2-100	58.2	60.6	61.2	61.5	61.7	62.2	62.5	62.8	63.2	63.3	63.5	63.7	63.7	64.1	64.1	64.1
2-500	63.0	62.6	63.4	63.7	64.2	64.6	65.0	65.3	65.6	65.7	66.0	66.0	66.2	66.5	66.5	66.5
2-400	63.4	66.3	67.2	67.7	68.3	68.9	69.3	69.7	70.1	70.3	70.5	70.5	70.7	70.7	71.1	71.1
2-300	67.0	70.7	71.7	72.3	73.2	73.7	74.3	74.7	75.1	75.3	75.5	75.5	75.8	75.8	76.1	76.1
2-200	69.2	73.6	74.9	75.6	76.5	77.1	77.8	78.5	79.0	79.2	79.4	79.4	79.6	79.6	80.0	80.0
2-100	70.3	75.0	76.5	77.5	78.6	79.3	80.3	81.2	81.5	81.9	82.1	82.1	82.3	82.3	82.6	82.6
2-800	72.7	77.9	79.8	80.9	82.1	82.9	84.0	85.0	85.3	85.8	86.1	86.1	86.5	86.5	86.9	86.9
2-700	72.9	78.0	80.1	81.2	82.4	83.2	84.3	85.3	85.7	86.1	86.4	86.4	86.9	86.9	87.2	87.2
2-600	74.2	79.8	82.3	83.6	85.2	86.0	87.4	88.5	88.9	89.4	89.8	89.8	90.2	90.2	90.5	90.5
2-500	75.1	80.9	83.3	85.0	86.5	87.3	88.9	90.2	90.7	91.3	91.8	91.8	92.2	92.2	92.5	92.5
2-400	75.5	81.4	83.9	85.5	87.1	87.9	89.5	91.1	91.8	93.0	93.8	93.8	94.2	94.2	94.5	94.7
2-300	75.9	81.6	84.1	85.8	87.3	88.1	89.9	91.5	92.2	93.4	94.4	94.4	94.9	94.9	95.2	95.3
2-200	76.1	82.2	84.6	86.3	87.9	88.9	90.7	92.4	93.1	94.7	95.8	95.8	96.3	96.3	96.7	96.8
2-100	76.1	82.6	85.1	86.8	88.3	89.3	91.1	92.9	93.5	95.2	96.3	96.3	96.9	96.9	97.2	97.3
2-800	76.1	82.4	85.1	86.8	88.3	89.3	91.1	93.1	93.9	95.7	96.8	96.8	97.3	97.3	97.7	97.8
2-700	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.7	94.4	96.4	97.8	97.8	98.4	98.4	98.9	99.1
2-600	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.5	96.6	97.9	97.9	98.7	98.7	99.1	99.3
2-500	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.7	98.1	98.1	98.9	98.9	99.4	99.7
2-400	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.8	98.3	98.3	99.1	99.1	99.7	99.9
2-300	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.8	98.4	98.4	99.2	99.2	99.8	100.0
2-200	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.8	98.4	98.4	99.2	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82

YEAR

MOY

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 CEILING	40.4	41.2	41.2	41.3	41.3	41.3	41.4	41.4	41.4	41.6	41.6	41.7	41.7	41.8	42.1	42.1
≥ 20000	43.7	44.4	44.4	44.6	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.9	44.9	45.3	45.3	45.3
≥ 18000	47.6	48.8	48.8	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.3	49.7	49.7
≥ 16000	47.7	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.3	49.3	49.4	49.8	49.8
≥ 14000	48.0	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.6	49.6	49.7	49.8	50.1
≥ 12000	49.1	50.3	50.3	50.4	50.4	50.4	50.6	50.6	50.6	50.7	50.7	50.8	50.8	50.9	51.2	51.2
≥ 10000	52.9	54.1	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.6	54.6	54.7	55.0	55.0
≥ 9000	53.2	54.7	54.7	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.3	55.7	55.7
≥ 8000	55.4	57.2	57.2	57.7	57.7	57.7	57.8	57.8	57.8	57.9	57.9	58.0	58.0	58.1	58.4	58.4
≥ 7000	58.4	60.2	60.2	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.2	61.5	61.6
≥ 6000	59.4	61.4	61.4	62.0	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.3	62.3	62.4	62.8	62.8
≥ 5000	62.4	65.1	65.1	66.2	66.2	66.2	66.7	66.7	66.7	67.0	67.0	67.1	67.1	67.2	67.7	67.7
≥ 4500	64.1	66.4	66.4	67.1	67.1	67.1	68.1	68.1	68.1	68.4	68.4	68.5	68.5	68.7	69.1	69.1
≥ 4000	68.1	71.1	71.1	72.1	72.1	72.1	73.4	73.4	73.4	74.3	74.3	74.4	74.4	74.7	75.1	75.1
≥ 3500	70.8	74.2	74.2	75.3	75.3	75.3	76.8	76.8	76.8	77.2	77.2	77.7	77.7	78.0	78.6	78.6
≥ 3000	72.8	77.1	77.1	78.2	78.2	78.2	79.8	79.8	79.8	80.4	80.4	81.0	81.0	81.3	81.6	81.9
≥ 2500	75.3	79.9	79.9	81.1	81.1	81.1	83.0	83.0	83.0	84.4	84.4	84.7	84.7	85.0	85.5	85.5
≥ 2000	77.4	82.8	82.8	84.0	84.0	84.0	86.0	86.0	86.0	87.7	87.7	88.0	88.0	88.9	89.3	89.3
≥ 1800	78.0	83.3	83.3	84.7	84.7	84.7	86.9	86.9	86.9	88.8	88.8	89.1	89.1	90.1	90.7	90.7
≥ 1600	78.9	84.3	84.3	85.7	85.7	85.7	88.2	88.2	88.2	90.0	90.0	90.6	90.6	92.0	93.3	93.3
≥ 1400	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 1200	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 1000	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 900	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 800	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 700	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 600	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 500	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 400	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 300	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 200	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 100	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 50	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 30	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8
≥ 10	79.6	85.4	85.4	86.9	86.9	86.9	89.3	89.3	89.3	91.1	91.1	92.3	92.3	94.2	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-62 YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1730

CEILING FEET	VISIBILITY STATISTICAL															
	≥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. FREQ.	36.3	43.0	40.7	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.2	40.2	40.3	40.3	40.4	40.7
2 20000	40.9	42.8	42.9	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.3	43.3	43.4	43.7
2 18000	44.1	46.2	46.3	46.3	46.4	46.7	46.7	46.7	46.7	46.7	46.9	46.8	46.9	46.9	47.1	47.2
2 16000	44.7	46.8	46.9	46.9	47.0	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.6	47.6	47.7	47.9
2 14000	45.1	47.2	47.3	47.3	47.4	47.6	47.8	47.8	47.8	47.8	47.9	47.9	48.0	48.0	48.1	48.3
2 12000	46.7	48.9	49.1	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.7	49.7	49.8	50.0
2 10000	51.1	53.6	53.7	53.7	53.8	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.3	54.3	54.4	54.7
2 9500	51.1	53.7	53.9	53.8	53.9	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.4	54.4	54.6	54.8
2 9000	53.9	57.1	57.2	57.2	57.3	57.7	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.1	58.3
2 8500	55.2	59.9	60.2	60.2	60.3	60.5	61.2	61.3	61.3	61.3	61.4	61.4	61.6	61.6	61.7	61.9
2 8000	58.9	63.1	63.4	63.4	63.6	64.2	64.6	64.7	64.7	64.7	64.9	64.8	64.9	64.9	65.0	65.2
2 7500	62.3	67.6	68.2	68.3	68.8	69.4	69.8	69.9	69.9	69.9	70.2	70.2	70.3	70.3	70.4	70.7
2 7000	63.1	68.0	68.7	68.9	69.4	70.1	70.6	70.6	70.8	70.8	71.1	71.1	71.2	71.2	71.3	71.6
2 6500	67.9	72.9	73.8	73.8	74.9	75.6	76.1	76.3	76.7	76.9	77.2	77.2	77.3	77.3	77.4	77.7
2 6000	69.4	75.2	75.9	76.2	77.4	78.1	78.9	79.2	79.6	80.3	80.7	80.7	80.9	80.9	81.0	81.2
2 5500	71.4	78.3	79.1	79.3	80.6	81.2	82.2	82.6	82.9	83.7	84.2	84.2	84.4	84.4	84.6	84.8
2 5000	73.5	81.0	81.8	82.1	83.4	84.2	85.3	85.7	86.7	87.0	87.3	87.3	87.6	87.6	87.7	87.9
2 4500	74.4	82.6	83.4	84.0	85.6	86.3	87.7	88.1	88.4	89.4	89.8	89.8	90.0	90.0	90.1	90.3
2 4000	74.9	83.0	83.9	84.6	86.1	86.9	88.2	88.9	89.2	90.2	90.6	90.6	90.8	90.8	90.9	91.1
2 3500	75.7	84.2	85.2	85.9	87.7	88.4	90.0	90.8	91.2	92.6	92.9	92.9	93.1	93.1	93.2	93.4
2 3000	75.9	84.6	85.7	86.4	88.4	89.3	91.7	91.9	92.8	94.2	94.6	94.6	94.8	94.8	94.9	95.1
2 2500	75.9	84.9	86.1	87.0	89.0	90.0	91.7	92.7	93.8	95.6	96.1	96.3	96.7	96.7	96.8	97.0
2 2000	75.9	84.9	86.1	87.0	89.0	90.0	92.0	93.0	94.1	96.0	96.9	97.0	97.3	97.3	97.4	97.7
2 1500	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.0	97.2	97.6	97.6	97.7	97.9
2 1000	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 900	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 800	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 700	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 600	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 500	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 400	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 300	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 200	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 100	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 00	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1

TOTAL NUMBER OF OBSERVATIONS 000

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

387

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-00-0000

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	29.7	41.9	42.1	42.4	42.8	43.0	43.1	43.6	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2
≥20000	30.0	44.3	44.3	44.6	44.9	45.1	45.2	45.7	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3
≥18000	32.2	46.2	46.3	46.8	47.1	47.3	47.4	47.9	48.1	48.3	48.5	48.6	48.6	48.6	48.6	48.6
≥16000	32.7	46.3	46.3	47.3	47.7	47.9	48.0	48.4	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.1
≥14000	33.1	47.4	47.6	48.0	48.3	48.6	48.7	49.1	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8
≥12000	33.6	48.3	48.4	48.9	49.2	49.4	49.6	50.0	50.2	50.4	51.0	51.0	51.0	51.0	51.0	51.0
≥10000	36.3	52.1	52.2	52.7	53.0	53.2	53.3	53.8	54.1	54.2	54.8	54.8	54.8	54.8	54.8	54.8
≥9000	36.4	52.3	52.3	52.8	53.1	53.3	53.4	53.9	54.1	54.3	54.9	54.9	54.9	54.9	54.9	54.9
≥8000	39.7	55.6	55.7	56.1	56.4	56.7	56.8	57.2	57.4	57.7	58.2	58.2	58.2	58.2	58.2	58.2
≥7000	40.3	56.7	56.8	57.3	57.6	57.9	58.0	58.5	58.7	59.0	59.6	59.6	59.6	59.6	59.6	59.6
≥6000	41.3	61.6	62.3	62.8	63.2	63.6	63.8	64.2	64.4	64.7	65.2	65.2	65.2	65.2	65.2	65.2
≥5000	43.6	66.7	67.1	67.6	68.0	68.3	68.7	69.1	69.3	69.6	70.1	70.1	70.1	70.1	70.1	70.1
≥4500	43.9	67.6	68.6	69.1	69.6	69.9	70.2	70.7	70.9	71.1	71.7	71.7	71.7	71.7	71.7	71.7
≥4000	46.3	72.1	73.1	74.0	74.7	75.1	75.4	76.0	76.3	76.8	77.3	77.3	77.3	77.3	77.3	77.3
≥3500	46.2	75.1	76.4	77.4	78.6	79.0	79.6	80.3	80.9	81.7	82.2	82.2	82.2	82.2	82.2	82.2
≥3000	47.7	78.2	79.6	81.7	81.9	82.3	82.9	83.7	84.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥2500	47.7	80.2	81.6	82.7	84.1	84.6	85.2	86.3	86.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1
≥2000	46.1	82.4	83.9	85.1	86.8	87.2	88.1	89.0	89.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2
≥1800	48.1	82.4	83.9	85.1	86.8	87.2	88.1	89.0	89.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2
≥1600	48.2	84.2	85.7	87.0	88.8	89.2	90.3	91.4	92.1	93.1	93.7	93.7	93.7	93.7	93.7	93.7
≥1400	48.4	85.4	86.9	88.3	90.1	90.7	92.1	93.4	94.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8
≥1200	48.4	86.4	87.1	88.8	90.6	91.1	92.7	94.2	95.4	96.9	97.4	97.4	97.4	97.4	97.4	97.4
≥1000	48.6	85.7	87.4	88.9	90.7	91.2	92.8	94.3	95.6	97.1	97.6	97.6	97.6	97.6	97.6	97.6
≥900	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥800	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥700	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥600	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥500	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥400	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥300	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥200	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥100	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥0	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.4	95.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 999

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME DALENA AFS AK

73-82

YEAR

NOV

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
25000	25.0	43.5	44.1	44.2	45.1	45.2	45.3	45.6	45.6	45.9	46.1	46.2	46.2	46.2	46.2	46.3
20000	30.1	45.9	46.4	46.6	47.4	47.5	47.7	47.9	47.9	48.2	48.4	48.6	48.6	48.6	48.6	48.7
15000	31.4	47.7	48.2	48.3	49.2	49.3	49.4	49.7	49.7	50.0	50.2	50.3	50.3	50.3	50.3	50.4
10000	31.7	47.9	48.4	48.6	49.4	49.5	49.7	49.9	49.9	50.2	50.4	50.6	50.6	50.6	50.6	50.7
7500	32.1	48.3	48.9	49.0	49.9	50.0	50.1	50.3	50.3	50.7	50.9	51.0	51.0	51.0	51.0	51.1
5000	32.4	48.9	49.4	49.6	50.4	50.5	50.7	50.9	50.9	51.2	51.6	51.7	51.7	51.7	51.7	51.8
2500	34.3	51.7	52.2	52.4	53.3	53.4	53.6	53.8	53.8	54.1	54.4	54.6	54.6	54.6	54.6	54.7
1000	34.8	52.2	52.8	53.0	53.9	54.0	54.1	54.3	54.3	54.7	55.0	55.1	55.1	55.1	55.1	55.2
500	36.4	55.0	55.7	55.9	56.9	57.0	57.1	57.4	57.4	57.8	58.1	58.2	58.2	58.2	58.2	58.3
250	38.2	57.3	58.1	58.2	59.3	59.4	59.6	59.9	59.9	60.2	60.6	60.7	60.7	60.7	60.7	60.8
100	39.4	60.3	61.7	61.2	62.3	62.4	62.6	62.9	62.9	63.2	63.7	63.8	63.8	63.8	63.8	63.9
50	41.2	63.9	64.8	65.7	67.1	67.2	67.3	67.9	67.9	68.3	68.8	68.9	68.9	68.9	68.9	69.0
25	41.3	64.3	65.2	66.1	67.7	67.8	67.9	68.4	68.4	68.9	69.3	69.4	69.4	69.4	69.4	69.7
10	43.1	65.0	70.4	71.4	73.6	73.7	73.8	74.4	74.4	75.0	75.4	75.6	75.6	75.6	75.6	75.8
5	43.4	73.4	75.1	76.0	78.6	78.9	79.1	80.1	80.2	80.9	81.3	81.4	81.4	81.4	81.4	81.7
2	44.6	76.6	78.3	79.2	81.9	82.2	82.4	83.4	83.8	84.4	85.2	85.3	85.3	85.3	85.3	85.6
1	44.8	78.1	80.7	80.9	83.7	84.1	84.3	85.3	85.7	86.3	87.1	87.2	87.3	87.3	87.3	87.6
0.5	45.1	79.8	82.3	82.9	85.8	86.3	86.9	87.9	88.2	89.0	89.8	89.9	90.0	90.0	90.0	90.2
0.25	45.3	80.1	82.4	83.3	86.2	86.6	87.3	88.3	88.7	89.6	90.3	90.4	90.6	90.6	90.6	90.8
0.1	45.3	80.9	83.7	84.3	87.7	88.2	89.1	90.4	90.9	91.6	92.6	92.7	92.8	92.8	92.8	93.0
0.05	45.7	81.8	84.3	85.7	89.2	89.6	91.0	92.4	93.2	94.3	95.1	95.2	95.3	95.3	95.3	95.6
0.025	45.7	81.8	84.6	85.9	89.6	90.1	91.6	93.0	93.9	95.2	96.0	96.1	96.2	96.2	96.2	96.4
0.01	45.3	82.0	84.8	86.1	89.8	90.3	92.0	93.6	94.4	95.8	96.6	96.7	96.8	96.8	96.8	97.0
0.005	45.4	82.1	84.9	86.3	90.0	90.6	92.2	93.8	94.7	96.1	96.9	97.0	97.1	97.1	97.1	97.3
0.0025	45.8	82.2	85.7	86.4	90.1	90.7	92.4	94.0	95.0	96.7	97.4	97.6	97.7	97.7	97.7	97.9
0.001	45.8	82.3	85.1	86.6	90.2	90.8	92.7	94.2	95.3	97.0	97.8	97.9	98.0	98.0	98.0	98.2
0.0005	45.4	82.4	85.2	86.7	90.3	90.9	92.8	94.4	95.6	97.4	98.3	98.6	98.7	98.7	98.7	98.9
0.00025	45.3	82.4	85.2	86.7	90.3	90.9	92.8	94.4	95.6	97.4	98.3	98.6	98.8	98.8	98.8	99.0
0.0001	45.9	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.1	99.0	99.3	99.6	99.6	99.6	99.8
0.00005	45.3	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.2	99.2	99.6	99.8	99.8	99.8	100.0
0.000025	45.8	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.2	99.2	99.6	99.8	99.8	99.8	100.0
0.00001	45.8	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.2	99.2	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220

SALENA AFS AK STATION NAME

73-82

YEAR

MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	20	25	24	23	22	27	21	21	24	24	24	25	25	25	25
NO CEILING	42.2	42.0	42.2	42.5	43.0	43.1	43.2	43.3	43.4	43.6	43.8	43.8	43.9	43.9	44.0	44.1
≥ 20000	34.2	44.2	44.6	44.9	45.4	45.5	45.5	45.7	45.8	46.0	46.1	46.2	46.3	46.3	46.4	46.4
≥ 18000	36.0	46.4	46.7	47.0	47.5	47.6	47.7	47.8	47.9	48.1	48.3	48.3	48.4	48.4	48.5	48.6
≥ 16000	36.3	46.7	47.0	47.3	47.8	47.9	48.0	48.1	48.2	48.4	48.6	48.6	48.7	48.7	48.8	48.9
≥ 14000	36.6	47.1	47.4	47.7	48.2	48.3	48.4	48.5	48.6	48.9	49.0	49.1	49.1	49.2	49.3	49.3
≥ 12000	37.4	48.1	48.4	48.7	49.1	49.3	49.4	49.5	49.6	49.8	50.0	50.1	50.2	50.2	50.3	50.3
≥ 10000	40.1	51.4	51.7	52.0	52.5	52.6	52.7	52.9	53.0	53.2	53.4	53.5	53.5	53.5	53.6	53.7
≥ 8000	40.3	51.8	52.1	52.4	52.9	53.0	53.1	53.3	53.4	53.6	53.8	53.9	53.9	54.0	54.1	54.1
≥ 6000	42.5	54.6	55.1	55.3	55.8	56.0	56.1	56.2	56.3	56.6	56.8	56.9	56.9	57.0	57.0	57.1
≥ 4000	44.5	57.2	57.7	58.0	58.6	58.8	59.1	59.2	59.3	59.5	59.7	59.8	59.9	59.9	60.0	60.1
≥ 3000	45.4	59.7	60.2	60.6	61.3	61.5	61.6	61.8	62.0	62.2	62.4	62.5	62.6	62.6	62.7	62.7
≥ 2000	48.4	64.1	64.8	65.4	66.3	66.5	66.7	67.0	67.2	67.5	67.7	67.8	67.9	67.9	68.0	68.0
≥ 1800	48.9	65.1	65.9	66.5	67.5	67.7	68.0	68.2	68.4	68.7	68.9	69.0	69.1	69.1	69.2	69.3
≥ 1600	51.2	69.2	70.2	71.0	72.2	72.5	72.8	73.2	73.5	73.9	74.1	74.2	74.3	74.3	74.4	74.5
≥ 1400	52.9	72.4	73.6	74.5	76.0	76.3	76.7	77.2	77.6	78.1	78.4	78.4	78.5	78.5	78.6	78.7
≥ 1200	53.9	75.3	76.6	77.7	79.3	79.7	80.3	80.9	81.2	81.9	82.2	82.2	82.3	82.3	82.4	82.5
≥ 1000	54.7	77.1	78.6	79.7	81.6	82.0	82.7	83.4	83.7	84.4	84.7	84.7	84.8	84.9	85.0	85.0
≥ 800	55.4	79.7	81.2	82.7	84.7	85.2	86.1	86.8	87.2	88.0	88.4	88.5	88.6	88.6	88.7	88.8
≥ 600	56.7	80.1	81.7	83.3	85.3	85.9	86.8	87.6	88.0	88.8	89.2	89.3	89.4	89.4	89.5	89.6
≥ 400	56.6	81.6	83.0	85.0	87.3	87.9	89.1	90.2	90.7	91.5	92.0	92.1	92.2	92.2	92.4	92.4
≥ 200	57.0	82.5	84.3	86.1	88.6	89.3	90.6	91.8	92.5	93.5	94.0	94.1	94.2	94.3	94.4	94.4
≥ 100	57.1	82.8	84.7	86.6	89.1	89.6	91.3	92.6	93.5	94.7	95.4	95.5	95.7	95.7	95.9	95.9
≥ 80	57.2	83.0	84.9	86.7	89.3	90.0	91.6	93.0	93.9	95.2	95.9	96.1	96.3	96.3	96.4	96.5
≥ 60	57.3	83.2	85.2	87.1	89.7	90.4	92.0	93.5	94.4	95.8	96.5	96.7	96.9	96.9	97.0	97.1
≥ 40	57.3	83.4	85.4	87.3	89.9	90.6	92.2	93.8	94.7	96.1	97.0	97.2	97.4	97.4	97.5	97.6
≥ 20	57.3	83.6	85.5	87.4	90.0	90.8	92.4	94.0	95.0	96.5	97.4	97.6	97.8	97.8	97.9	98.0
≥ 10	57.3	83.7	85.8	87.7	90.4	91.1	92.8	94.5	95.4	97.1	98.2	98.3	98.6	98.7	98.8	98.9
≥ 5	57.3	83.7	85.8	87.8	90.4	91.2	92.9	94.6	95.5	97.2	98.3	98.5	98.9	99.0	99.1	99.2
≥ 2	57.4	83.8	85.8	87.8	90.5	91.2	92.9	94.7	95.7	97.5	98.7	98.9	99.3	99.4	99.6	99.6
≥ 1	57.4	83.8	85.9	87.8	90.5	91.2	93.0	94.7	95.7	97.6	98.9	99.1	99.5	99.6	99.8	99.9
≥ 0	57.4	83.8	85.9	87.8	90.5	91.2	93.0	94.7	95.7	97.7	98.9	99.2	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7100

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-225 STATION NAME GALENA AFS AK 73-62 YEARS 265

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

9999-2299

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO FEEING	25.4	48.5	49.7	49.4	51.3	50.4	50.4	51.0	51.7	52.3	53.7	53.9	54.3	54.3	54.4	54.4
≥ 25000	26.3	49.7	49.9	50.5	51.5	51.6	51.6	52.2	52.5	53.4	54.0	55.1	55.5	55.5	55.6	55.6
≥ 20000	26.4	50.5	50.8	51.4	52.4	52.5	52.5	53.0	53.3	54.3	55.7	55.9	56.3	56.3	56.5	56.5
≥ 18000	27.0	50.6	50.9	51.5	52.5	52.6	52.6	53.1	53.4	54.4	55.8	56.0	56.5	56.5	56.6	56.6
≥ 16000	27.3	51.0	51.2	51.8	52.8	52.9	52.9	53.4	53.9	54.7	56.1	56.3	56.8	56.8	56.9	56.9
≥ 14000	27.4	51.1	51.3	51.9	52.9	53.0	53.0	53.5	53.9	54.8	56.2	56.5	56.9	56.9	57.0	57.0
≥ 12000	28.5	52.6	52.8	53.4	54.4	54.5	54.5	55.1	55.4	56.3	57.7	58.0	58.4	58.4	58.5	58.5
≥ 10000	29.0	53.2	53.4	54.1	55.1	55.2	55.2	55.7	56.0	57.0	58.4	58.6	59.0	59.0	59.1	59.1
≥ 8000	30.4	57.6	58.3	58.6	59.6	59.7	59.7	60.2	60.5	61.5	62.9	63.1	63.5	63.5	63.7	63.7
≥ 6000	32.2	61.3	61.3	61.9	62.9	63.0	63.0	63.5	63.9	64.8	66.2	66.5	66.9	66.9	67.0	67.0
≥ 5000	33.5	64.1	64.5	65.3	66.3	66.5	66.5	67.0	67.4	68.4	69.8	70.0	70.4	70.4	70.5	70.5
≥ 4500	34.7	66.5	68.1	69.4	71.3	71.7	71.7	72.5	73.0	74.0	75.4	75.6	76.0	76.0	76.1	76.1
≥ 4000	35.3	67.7	69.5	70.8	72.7	73.1	73.3	73.9	74.4	75.4	76.8	77.0	77.4	77.4	77.5	77.5
≥ 3500	36.2	71.3	73.2	74.7	77.0	77.4	77.6	78.2	78.8	79.8	81.2	81.4	81.8	81.8	81.9	81.9
≥ 3000	36.9	74.9	76.9	78.5	80.8	81.2	81.4	82.2	82.8	83.8	85.2	85.4	85.8	85.8	85.9	85.9
≥ 2500	37.3	76.1	78.5	80.2	82.5	82.9	83.3	84.1	84.8	85.9	87.3	87.5	88.0	88.0	88.1	88.1
≥ 2000	37.4	77.6	80.7	81.7	84.2	84.6	85.2	85.9	86.7	87.7	89.1	89.4	89.8	89.8	89.9	89.9
≥ 1800	37.7	79.9	82.3	84.0	86.6	87.0	87.6	88.4	89.1	90.2	91.6	91.8	92.3	92.3	92.4	92.4
≥ 1600	37.7	80.4	83.2	84.9	87.5	88.0	88.6	89.6	90.3	91.4	92.8	93.0	93.4	93.4	93.5	93.5
≥ 1400	37.7	81.5	84.5	86.2	89.8	89.2	90.0	91.1	91.8	92.9	94.3	94.5	94.9	94.9	95.1	95.1
≥ 1200	37.7	81.9	84.9	86.8	89.5	89.9	90.6	91.7	92.6	93.8	95.2	95.4	95.8	95.8	95.9	95.9
≥ 1000	37.7	82.0	85.1	86.9	89.6	90.0	90.8	91.8	92.7	93.9	95.3	95.5	95.9	95.9	96.0	96.0
≥ 900	37.7	83.0	86.0	87.8	90.5	91.0	91.7	92.8	93.7	94.8	96.2	96.5	96.9	96.9	97.0	97.0
≥ 800	37.8	83.3	86.3	88.2	90.9	91.3	92.0	93.1	94.0	95.2	96.6	96.9	97.2	97.2	97.3	97.3
≥ 700	38.1	83.9	87.1	89.0	91.7	92.2	92.9	94.0	94.8	96.0	97.4	97.6	98.1	98.1	98.2	98.2
≥ 600	38.1	84.2	87.6	89.7	92.4	92.8	93.5	94.6	95.5	96.9	98.3	98.5	98.9	98.9	99.0	99.0
≥ 500	38.1	84.3	87.7	89.8	92.5	92.9	93.7	94.7	95.6	97.0	98.4	98.6	99.1	99.1	99.5	99.5
≥ 400	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 300	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 200	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 100	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 50	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 20	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 7-225 GALENA AFS AK STATION NAME 73-82 YEAR 085

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

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	24.4	47.7	48.3	49.6	51.0	51.0	51.5	52.3	52.3	53.1	54.3	54.4	54.5	54.5	54.6	54.6
18000	25.7	49.7	50.2	51.5	52.9	52.9	53.4	54.2	54.2	55.1	56.2	56.3	56.5	56.5	56.6	56.6
16000	25.9	50.1	50.6	51.9	53.3	53.3	53.9	54.6	54.6	55.5	56.7	56.8	56.9	56.9	57.0	57.0
14000	26.3	50.5	51.1	52.4	53.8	53.8	54.3	55.1	55.1	55.9	57.1	57.2	57.3	57.3	57.4	57.4
12000	26.7	50.9	51.4	52.7	54.1	54.1	54.6	55.4	55.4	56.2	57.4	57.5	57.6	57.6	57.7	57.7
10000	26.8	51.0	51.5	52.8	54.2	54.2	54.7	55.5	55.5	56.3	57.5	57.6	57.7	57.7	57.8	57.8
9000	27.4	51.7	52.4	53.7	55.1	55.1	55.6	56.3	56.3	57.2	58.4	58.5	58.6	58.6	58.7	58.7
8000	28.0	52.4	53.0	54.3	55.7	55.7	56.2	57.0	57.0	57.9	59.3	59.1	59.2	59.2	59.4	59.4
7000	29.4	56.2	57.0	58.3	59.8	59.8	60.3	61.1	61.1	61.9	63.1	63.2	63.3	63.3	63.4	63.4
6000	30.5	59.9	61.1	62.4	63.9	63.9	64.4	65.2	65.2	66.0	67.2	67.3	67.4	67.4	67.5	67.5
5000	31.7	62.5	63.9	65.2	66.8	66.8	67.6	68.5	68.5	69.5	70.5	70.8	70.9	70.9	71.0	71.0
4500	33.0	66.2	68.4	69.9	72.2	72.2	73.1	74.1	74.4	75.6	76.8	76.9	77.0	77.0	77.1	77.1
4000	33.3	67.1	69.2	70.8	73.0	73.0	74.0	74.9	75.3	76.5	77.6	77.7	77.8	77.8	78.0	78.0
3500	34.0	69.8	72.2	73.9	77.0	77.0	78.0	79.1	79.6	80.8	82.2	82.3	82.4	82.4	82.5	82.5
3000	34.3	72.2	74.7	76.5	79.6	79.7	80.6	81.8	82.3	83.4	84.8	84.9	85.1	85.1	85.2	85.2
2500	34.6	73.4	76.1	77.8	81.1	81.3	82.4	83.5	84.3	85.2	86.6	86.7	86.9	86.9	86.9	86.9
2000	34.6	74.9	77.7	79.5	82.9	83.1	84.2	85.4	85.8	87.0	88.4	88.5	88.6	88.6	88.7	88.7
1800	35.5	78.2	81.3	83.2	86.7	86.9	88.1	89.4	89.9	91.1	92.6	92.7	92.8	92.8	92.9	92.9
1600	35.5	78.3	81.4	83.3	86.8	87.0	88.2	89.7	90.2	91.5	93.0	93.1	93.2	93.2	93.3	93.3
1400	35.6	78.8	82.0	84.2	87.6	87.8	89.1	90.6	91.2	92.5	94.0	94.1	94.2	94.2	94.3	94.3
1200	35.6	79.8	83.1	85.3	88.8	89.0	90.3	91.8	92.4	93.7	95.2	95.3	95.4	95.4	95.5	95.5
1000	35.9	80.8	84.1	86.3	89.9	90.2	91.5	93.0	93.5	94.8	96.3	96.5	96.6	96.6	96.7	96.7
900	36.2	81.4	84.7	87.0	90.5	90.9	92.2	93.7	94.2	95.7	97.2	97.3	97.4	97.4	97.5	97.5
800	36.2	81.9	85.3	87.5	91.1	91.4	92.7	94.2	94.7	96.2	97.7	97.8	98.0	98.0	98.1	98.1
700	36.5	82.5	85.8	88.2	91.7	92.0	93.3	94.8	95.4	96.9	98.4	98.5	98.6	98.6	98.7	98.7
600	36.6	82.6	85.9	88.3	91.8	92.2	93.5	95.1	95.6	97.1	98.6	98.7	98.8	98.8	98.9	98.9
500	36.6	82.6	85.9	88.4	92.2	92.5	93.9	95.5	96.0	97.5	99.0	99.1	99.2	99.2	99.4	99.4
400	36.7	82.7	86.0	88.6	92.5	92.8	94.2	95.9	96.5	98.1	99.6	99.7	99.8	99.8	99.9	99.9
300	36.7	82.7	86.0	88.6	92.5	92.8	94.2	95.9	96.5	98.1	99.6	99.7	99.8	99.8	99.9	99.9
200	36.7	82.7	86.1	88.6	92.5	92.8	94.2	95.9	96.5	98.1	99.6	99.7	99.8	99.8	99.9	99.9
100	36.7	82.7	86.1	88.6	92.5	92.8	94.2	95.9	96.5	98.1	99.6	99.7	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
ETAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK

73-82

065

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥2000	30.0	53.0	51.1	52.0	53.0	53.0	54.1	55.4	55.4	56.1	57.0	57.2	57.2	57.2	57.2	57.2
≥1800	31.2	51.8	52.9	53.9	54.8	54.6	55.9	57.2	57.2	58.0	58.8	59.0	59.0	59.0	59.0	59.0
≥1600	31.4	52.5	53.5	54.5	55.5	55.5	56.6	57.8	57.8	58.6	59.5	59.7	59.7	59.7	59.7	59.7
≥1400	31.8	52.7	53.8	54.7	55.7	55.7	56.8	58.1	58.1	58.8	59.7	59.9	59.9	59.9	59.9	59.9
≥1200	31.9	53.2	54.3	55.3	56.2	56.2	57.3	58.6	58.6	59.4	60.2	60.4	60.4	60.4	60.4	60.4
≥1000	32.3	54.0	55.1	56.0	57.0	57.1	58.2	59.5	59.5	60.2	61.1	61.3	61.3	61.3	61.3	61.3
≥900	33.2	55.3	56.3	57.3	58.3	58.4	59.5	60.6	60.6	61.5	62.4	62.6	62.6	62.6	62.5	62.6
≥800	33.9	55.9	57.0	58.0	58.9	59.0	60.1	61.4	61.4	62.2	63.0	63.2	63.2	63.2	63.2	63.2
≥700	35.3	59.2	60.3	61.3	62.3	62.4	63.4	64.7	64.7	65.5	66.3	66.6	66.6	66.6	66.6	66.6
≥600	36.7	62.3	63.7	64.6	65.6	65.7	66.8	68.1	68.1	68.8	69.7	69.9	69.9	69.9	69.9	69.9
≥500	37.9	64.8	66.6	67.6	68.6	68.7	69.9	71.2	71.2	71.9	72.8	73.0	73.0	73.0	73.0	73.0
≥450	38.2	68.6	70.5	71.6	72.6	72.7	74.2	75.8	76.2	77.2	78.1	78.3	78.3	78.3	78.3	78.3
≥400	38.4	68.9	70.9	71.9	72.9	73.0	74.5	76.1	76.6	77.5	78.4	78.6	78.6	78.6	78.6	78.6
≥350	39.1	71.2	73.8	74.8	76.8	76.9	78.8	80.6	81.2	82.4	83.3	83.5	83.5	83.5	83.5	83.5
≥300	39.6	73.9	76.6	77.6	79.6	79.7	81.6	83.5	84.1	85.6	86.6	86.8	86.8	86.8	86.8	86.8
≥250	39.6	75.2	78.0	79.0	81.0	81.1	83.0	85.2	85.7	87.2	88.2	88.4	88.4	88.4	88.4	88.4
≥200	39.6	76.5	79.2	80.3	82.6	82.7	84.6	86.8	87.3	88.8	89.8	90.0	90.0	90.0	90.0	90.0
≥180	40.2	79.6	82.5	83.5	85.8	85.9	87.8	90.0	90.5	92.2	93.1	93.3	93.3	93.3	93.3	93.3
≥150	40.2	79.7	82.6	83.7	85.9	86.0	88.0	90.1	90.6	92.3	93.2	93.4	93.4	93.4	93.4	93.4
≥120	40.4	80.5	83.4	84.6	86.9	87.1	89.1	91.3	91.9	93.5	94.5	94.7	94.7	94.7	94.7	94.7
≥100	40.5	81.3	84.2	85.5	87.7	88.1	90.1	92.3	92.9	94.5	95.5	95.7	95.7	95.7	95.7	95.7
≥90	40.5	82.3	85.2	86.5	88.7	89.0	91.1	93.2	93.9	95.5	96.5	96.7	96.7	96.7	96.7	96.7
≥80	40.6	82.7	85.6	87.1	89.4	89.7	91.7	94.1	94.8	96.7	97.6	97.8	97.8	97.8	97.8	97.8
≥70	40.6	83.1	86.0	87.5	89.8	90.1	92.3	94.7	95.5	97.3	98.3	98.5	98.5	98.5	98.5	98.5
≥60	40.6	83.2	86.1	87.6	89.9	90.2	92.4	94.9	95.7	97.5	98.5	98.7	98.7	98.7	98.7	98.7
≥50	40.6	83.2	86.1	87.7	90.0	90.3	92.5	95.1	95.8	97.6	98.6	98.8	98.8	98.8	98.8	98.8
≥40	40.6	83.3	86.2	87.8	90.1	90.4	92.6	95.2	95.9	97.7	98.7	98.9	98.9	98.9	98.9	98.9
≥30	40.6	83.7	86.6	88.3	90.5	91.0	93.1	95.8	96.6	98.4	99.4	99.6	99.6	99.6	99.6	99.6
≥20	40.6	83.8	86.7	88.4	90.6	91.1	93.2	95.9	96.7	98.6	99.8	100.0	100.0	100.0	100.0	100.0
≥10	40.6	83.8	86.7	88.4	90.6	91.1	93.2	95.9	96.7	98.6	99.8	100.0	100.0	100.0	100.0	100.0
≥0	40.6	83.8	86.7	88.4	90.6	91.1	93.2	95.9	96.7	98.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-02

085

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1100

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	39.2	43.3	43.9	44.2	44.3	44.6	45.4	46.2	46.5	47.3	47.5	47.6	48.0	48.0	49.3	49.4
≥ 20000	41.2	45.4	45.9	46.2	46.5	46.6	47.2	48.4	48.6	49.1	49.8	49.8	50.1	50.1	50.4	50.4
≥ 18000	42.5	46.8	47.2	47.6	47.8	48.2	48.7	49.8	50.0	50.5	51.2	51.2	51.5	51.5	51.9	51.9
≥ 16000	42.9	47.2	47.6	48.1	48.3	48.6	49.0	50.2	50.4	51.0	51.6	51.6	51.9	51.9	52.3	52.4
≥ 14000	43.4	47.8	48.3	48.7	48.9	49.2	50.0	50.9	51.1	51.6	52.3	52.3	52.6	52.6	52.9	53.0
≥ 12000	43.4	48.4	48.8	49.2	49.6	50.0	50.8	51.6	51.8	52.4	53.0	53.0	53.3	53.3	53.7	53.8
≥ 10000	47.6	52.6	53.7	53.4	53.8	54.2	54.9	55.8	56.3	56.6	57.2	57.2	57.5	57.5	57.8	58.0
≥ 9000	48.4	53.7	54.1	54.5	54.8	55.3	55.9	56.4	57.1	57.6	58.3	58.3	58.6	58.6	59.0	59.0
≥ 8000	52.3	58.4	59.9	59.4	59.8	60.3	61.1	62.0	62.3	62.8	63.4	63.4	63.8	63.8	64.1	64.2
≥ 7000	56.2	62.3	62.8	63.2	63.7	64.3	65.1	66.0	66.2	66.8	67.4	67.4	67.7	67.7	68.1	68.2
≥ 6000	57.7	64.5	65.2	65.6	66.2	66.9	67.6	68.7	68.9	69.5	70.1	70.1	70.4	70.4	70.8	70.9
≥ 5000	61.8	69.6	70.4	71.0	71.4	72.4	73.5	75.1	75.3	76.0	76.7	76.7	77.0	77.0	77.3	77.4
≥ 4500	63.1	71.0	71.8	72.4	73.0	73.8	74.9	76.5	76.9	77.6	78.3	78.4	78.7	78.7	79.0	79.1
≥ 4000	64.9	73.7	74.7	75.7	76.9	77.6	79.1	81.2	82.0	82.9	83.8	83.9	84.2	84.2	84.5	84.6
≥ 3500	66.6	75.6	76.7	77.6	78.9	79.7	81.2	83.4	84.4	85.5	86.5	86.6	86.9	86.9	87.2	87.3
≥ 3000	67.4	76.8	77.8	78.8	80.1	80.9	82.4	84.7	85.7	86.8	87.7	87.8	88.2	88.2	88.5	88.6
≥ 2500	68.0	77.7	78.8	79.9	81.5	82.3	83.9	86.2	87.2	88.3	89.2	89.4	89.7	89.7	90.0	90.1
≥ 2000	68.4	79.5	80.8	81.9	83.7	84.4	86.0	88.4	89.4	90.4	91.4	91.5	91.8	91.8	92.2	92.3
≥ 1800	69.4	80.5	81.8	83.1	84.8	85.6	87.2	89.6	90.6	91.8	92.8	92.9	93.2	93.2	93.5	93.7
≥ 1600	70.1	81.7	83.1	84.4	86.2	87.0	88.8	91.4	92.5	93.7	94.6	94.7	95.1	95.1	95.4	95.5
≥ 1400	70.8	82.2	83.4	84.8	86.7	87.4	89.2	91.9	93.0	94.2	95.2	95.3	95.6	95.6	95.9	96.0
≥ 1200	71.0	82.5	83.8	85.2	87.0	88.0	89.9	92.7	93.8	94.9	95.9	96.0	96.3	96.3	96.7	96.8
≥ 1000	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 900	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 800	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 700	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 600	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 500	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 400	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 300	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 200	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 100	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 0	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-220 DALENA AFS AK STATION NAME 73-62 YEARS 0-0

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 ≥ 20000	37.9	40.6	41.1	41.3	42.4	42.5	42.7	43.6	43.7	44.1	44.9	45.0	45.4	45.6	45.6	45.6
≥ 18000	39.4	42.1	42.6	42.8	43.9	44.0	44.2	45.1	45.2	45.6	46.4	46.5	47.0	47.3	47.3	47.3
≥ 16000	41.2	44.0	44.5	44.8	45.9	46.0	46.2	47.0	47.1	47.7	48.4	48.5	49.1	49.3	49.3	49.3
≥ 14000	41.7	44.5	45.0	45.2	46.3	46.4	46.6	47.5	47.6	48.1	48.9	49.0	49.5	49.7	49.7	49.7
≥ 12000	42.1	44.9	45.4	45.6	46.7	46.8	47.0	47.9	48.0	48.5	49.3	49.4	49.9	50.2	50.2	50.2
≥ 10000	42.9	45.7	46.3	46.5	47.6	47.7	48.0	48.9	49.0	49.5	50.3	50.4	50.9	51.1	51.1	51.1
≥ 8000	48.0	50.8	51.3	51.6	52.6	52.7	53.1	53.9	54.0	54.6	55.3	55.4	56.0	56.2	56.2	56.2
≥ 6000	49.1	51.9	52.4	52.6	53.7	53.8	54.1	55.0	55.1	55.7	56.4	56.5	57.1	57.3	57.3	57.3
≥ 4000	54.3	57.1	57.4	58.3	59.4	59.5	60.0	60.8	60.9	61.7	62.4	62.5	63.1	63.3	63.3	63.3
≥ 3000	57.2	61.1	62.1	62.5	63.7	63.8	64.3	65.1	65.2	66.0	66.7	66.8	67.4	67.6	67.6	67.6
≥ 2000	60.4	64.7	65.6	66.1	67.5	67.6	68.0	68.9	69.0	69.8	70.5	70.6	71.2	71.4	71.4	71.4
≥ 1500	63.4	67.8	68.9	69.5	70.9	71.0	71.7	72.7	72.8	73.5	74.3	74.4	74.9	75.1	75.1	75.1
≥ 1000	65.1	69.6	70.7	71.5	73.0	73.1	73.7	75.0	75.1	75.9	76.6	76.7	77.3	77.5	77.5	77.5
≥ 800	67.7	73.0	74.5	75.6	77.3	77.7	78.8	80.3	80.9	81.8	82.8	82.9	83.4	83.6	83.6	83.6
≥ 600	69.3	74.8	76.3	77.5	79.3	79.8	81.2	83.1	83.9	84.7	85.7	85.8	86.3	86.5	86.5	86.5
≥ 400	70.2	75.8	77.4	78.6	80.6	81.2	82.7	84.9	85.8	87.0	88.1	88.2	88.8	89.0	89.0	89.0
≥ 300	70.3	76.1	77.8	79.2	81.3	81.9	84.1	86.3	87.2	88.5	89.6	89.7	90.3	90.5	90.5	90.5
≥ 200	71.9	78.1	80.0	81.7	83.7	84.5	86.8	89.1	90.0	91.3	92.4	92.5	93.1	93.3	93.3	93.3
≥ 150	72.1	78.6	80.4	82.1	84.2	84.9	87.2	89.6	90.4	91.8	92.9	93.0	93.6	93.9	93.9	93.9
≥ 100	72.8	79.5	81.6	83.3	85.4	86.1	88.6	91.0	91.9	93.3	94.4	94.5	95.2	95.4	95.4	95.4
≥ 75	72.9	79.7	81.8	83.5	85.6	86.4	89.0	91.5	92.6	94.1	95.2	95.3	95.9	96.1	96.1	96.1
≥ 50	73.0	80.1	82.2	84.0	86.0	86.9	89.6	92.1	93.2	94.7	96.0	96.1	96.8	97.0	97.0	97.0
≥ 25	73.0	80.2	82.3	84.1	86.1	87.1	89.8	92.4	93.4	94.9	96.2	96.3	97.0	97.2	97.2	97.2
≥ 10	73.1	80.4	82.6	84.3	86.3	87.3	90.0	92.7	93.8	95.6	96.9	97.0	97.6	97.8	97.8	97.8
≥ 5	73.1	80.5	82.7	84.5	86.5	87.5	90.2	93.0	94.1	95.9	97.2	97.3	98.0	98.2	98.2	98.2
≥ 2	73.1	80.9	83.1	84.9	87.0	87.9	90.7	93.5	94.6	96.6	97.8	98.0	98.6	98.8	98.8	98.8
≥ 1	73.2	81.2	83.6	85.5	87.5	88.6	91.4	94.2	95.3	97.3	98.6	98.7	99.4	99.6	99.6	99.6
≥ 0.5	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥ 0.25	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥ 0.15	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥ 0.1	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥ 0.05	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥ 0.01	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-62 YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1999

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	37.5	42.6	43.5	43.9	45.1	45.1	45.8	46.7	46.9	47.4	47.7	47.8	48.2	48.2	48.4	48.4
≥ 20000	38.8	44.3	44.9	45.3	46.5	46.5	47.2	48.1	48.3	48.8	49.1	49.2	49.6	49.6	49.8	49.8
≥ 18000	39.5	44.7	45.5	46.0	47.1	47.1	47.9	48.8	49.0	49.4	49.7	49.8	50.3	50.3	50.5	50.5
≥ 16000	39.9	44.7	45.5	46.0	47.1	47.1	47.9	48.8	49.0	49.4	49.7	49.8	50.3	50.3	50.5	50.5
≥ 14000	40.2	45.4	46.1	46.7	47.9	47.9	48.7	49.5	49.7	50.2	50.5	50.6	51.0	51.0	51.2	51.2
≥ 12000	41.1	46.3	47.1	47.6	48.9	48.9	49.6	50.5	50.7	51.1	51.5	51.6	52.0	52.0	52.2	52.2
≥ 10000	44.9	50.3	51.1	51.6	52.9	52.9	53.6	54.5	54.7	55.1	55.4	55.6	56.0	56.0	56.2	56.2
≥ 9000	46.0	51.3	52.2	52.6	53.9	53.9	54.7	55.6	55.8	56.2	56.5	56.6	57.1	57.1	57.3	57.3
≥ 8000	50.1	56.2	57.2	57.6	59.0	59.1	60.0	60.8	61.1	61.7	62.0	62.1	62.6	62.6	62.8	62.8
≥ 7000	52.4	59.5	60.5	60.9	62.6	62.6	63.4	64.3	64.5	65.2	65.5	65.6	66.0	66.0	66.2	66.2
≥ 6000	55.1	62.6	63.6	64.2	65.8	65.9	66.8	67.7	68.2	68.8	69.3	69.4	69.8	69.8	70.0	70.0
≥ 5000	57.5	66.7	67.7	68.3	69.9	70.0	70.9	72.2	72.6	73.2	73.7	73.8	74.2	74.2	74.4	74.4
≥ 4500	59.7	69.0	70.1	70.7	72.3	72.4	73.2	74.5	75.0	75.6	76.2	76.3	76.7	76.7	76.9	76.9
≥ 4000	62.2	73.6	74.9	75.5	77.3	77.8	79.1	80.4	80.8	81.6	82.1	82.2	82.6	82.6	82.8	82.8
≥ 3500	64.0	75.9	77.3	78.1	80.3	81.0	82.3	83.7	84.1	85.1	85.7	85.8	86.2	86.2	86.4	86.4
≥ 3000	64.8	76.9	78.5	79.4	81.6	82.3	83.6	85.3	86.0	87.1	87.6	87.7	88.2	88.2	88.5	88.5
≥ 2500	65.6	79.1	80.8	81.8	84.0	84.8	86.1	87.8	88.7	89.8	90.3	90.4	90.9	90.9	91.2	91.2
≥ 2000	66.9	81.4	83.3	84.6	86.9	87.7	89.0	90.7	91.7	92.8	93.3	93.4	94.0	94.0	94.2	94.2
≥ 1800	67.1	81.9	83.7	85.0	87.4	88.1	89.4	91.2	92.1	93.2	93.7	93.9	94.4	94.4	94.6	94.6
≥ 1600	67.9	83.2	84.8	86.1	88.6	89.4	90.7	92.4	93.4	94.5	95.1	95.3	95.8	95.8	96.0	96.0
≥ 1400	67.6	83.5	85.3	86.6	89.2	90.2	91.6	93.3	94.3	95.4	96.0	96.1	96.7	96.7	96.9	96.9
≥ 1200	67.4	83.7	85.5	86.9	89.6	90.6	92.0	93.9	94.8	96.1	96.8	96.9	97.4	97.4	97.6	97.6
≥ 1000	67.6	83.7	85.7	87.2	89.9	90.8	92.2	94.1	95.0	96.4	97.1	97.2	97.7	97.7	98.0	98.0
≥ 900	67.6	83.7	85.7	87.2	89.9	90.8	92.2	94.1	95.0	96.4	97.1	97.2	97.7	97.7	98.0	98.0
≥ 800	67.6	83.8	85.9	87.4	90.1	91.0	92.6	94.4	95.5	97.0	97.6	97.7	98.3	98.3	98.6	98.6
≥ 700	67.6	83.8	85.9	87.4	90.1	91.0	92.6	94.4	95.5	97.1	97.7	97.8	98.4	98.4	98.7	98.7
≥ 600	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1
≥ 500	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1
≥ 400	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1
≥ 300	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1
≥ 200	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1
≥ 100	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1
≥ 0	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-82 YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1962-2009

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
NO. CEILING ≥ 20000	30.3	48.1	49.7	49.4	50.5	50.5	50.8	51.8	52.1	52.8	53.5	53.8	53.9	53.9	53.9
≥ 18000	30.5	49.4	50.3	50.7	51.9	51.9	52.2	53.2	53.5	54.2	54.9	55.2	55.3	55.3	55.3
≥ 16000	31.2	50.2	51.0	51.5	52.6	52.6	53.0	53.9	54.3	54.9	55.7	56.0	56.1	56.1	56.1
≥ 14000	31.5	50.5	51.3	51.8	53.0	53.0	53.3	54.3	54.6	55.2	56.0	56.3	56.4	56.4	56.4
≥ 12000	32.0	51.1	52.7	52.4	53.6	53.6	53.9	54.9	55.2	55.9	56.6	57.0	57.1	57.1	57.1
≥ 10000	32.4	51.6	52.9	52.9	54.0	54.0	54.4	55.3	55.7	56.3	57.1	57.4	57.5	57.5	57.5
≥ 8000	33.4	52.9	53.7	54.2	55.3	55.3	55.7	56.6	57.0	57.6	58.4	58.7	58.8	58.8	58.8
≥ 6000	34.5	53.9	54.8	55.2	56.4	56.4	56.7	57.7	58.0	58.7	59.8	59.8	59.9	59.9	59.9
≥ 4000	36.7	57.8	58.8	59.3	60.6	60.6	60.9	61.9	62.2	62.9	63.6	64.0	64.1	64.1	64.1
≥ 2000	38.4	61.2	62.1	62.7	64.1	64.1	64.4	65.4	65.7	66.3	67.1	67.4	67.5	67.5	67.5
≥ 1000	39.2	62.9	64.2	64.7	66.3	66.3	66.9	67.9	68.2	68.9	69.7	70.0	70.1	70.1	70.1
≥ 500	40.1	68.0	69.4	70.0	71.6	71.6	72.3	73.5	73.8	74.5	75.3	75.6	75.7	75.7	75.7
≥ 250	41.2	69.5	70.9	71.5	73.1	73.1	73.8	75.0	75.3	76.1	76.8	77.1	77.2	77.2	77.2
≥ 150	43.1	73.1	75.0	76.5	78.4	78.4	79.2	80.4	80.7	81.4	82.2	82.5	82.6	82.6	82.6
≥ 100	43.9	76.1	77.9	79.5	82.2	82.3	83.4	84.7	85.0	85.9	86.6	86.9	87.1	87.1	87.1
≥ 75	44.6	77.1	79.0	80.6	83.5	83.6	85.1	86.5	86.8	87.7	88.5	88.8	88.9	88.9	88.9
≥ 50	44.9	78.9	80.7	82.5	85.7	85.8	87.5	89.0	89.3	90.2	90.9	91.3	91.4	91.4	91.4
≥ 25	45.5	80.8	82.6	84.7	88.0	88.1	89.9	91.4	91.8	92.7	93.4	93.7	93.9	93.9	93.9
≥ 15	45.5	80.9	82.8	84.9	88.2	88.3	90.1	91.6	92.0	92.9	93.6	94.0	94.1	94.1	94.1
≥ 10	45.7	82.0	83.9	86.0	89.3	89.4	91.3	92.8	93.2	94.1	94.8	95.1	95.3	95.3	95.3
≥ 7.5	45.7	82.3	84.3	86.3	89.6	89.8	91.7	93.2	93.6	94.7	95.5	95.8	95.9	95.9	95.9
≥ 5	45.8	83.7	85.9	88.9	90.3	90.5	92.6	94.1	94.6	96.0	96.8	97.1	97.2	97.2	97.2
≥ 2.5	45.8	83.1	85.0	87.1	90.4	90.6	92.7	94.2	94.7	96.1	97.0	97.4	97.6	97.6	97.6
≥ 1.5	45.8	83.3	85.2	87.3	90.6	90.8	92.9	94.4	94.9	96.3	97.2	97.6	97.8	97.8	97.8
≥ 1	46.0	83.4	85.3	87.4	90.9	90.9	91.2	93.2	94.8	95.8	96.8	97.6	98.0	98.0	98.0
≥ 0.75	46.1	84.0	86.0	88.3	91.8	92.0	94.1	95.7	96.2	97.6	98.5	98.9	99.1	99.1	99.1
≥ 0.5	46.1	84.3	86.2	88.6	92.0	92.2	94.3	95.9	96.4	97.8	98.7	99.1	99.6	99.7	99.7
≥ 0.25	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0
≥ 0.15	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0
≥ 0.1	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

CLIMATE CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-222 SALENA AFS AK STATION NAME

73-82 YEAR

866

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	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO. REPORTING ≥ 20000	31.7	51.7	52.7	52.8	54.0	54.2	54.5	55.0	55.1	56.4	56.6	57.3	57.7	57.7	57.7	57.7
≥ 18000	32.1	52.9	53.2	53.9	55.2	55.3	55.7	56.2	56.3	57.6	57.8	58.5	58.9	58.9	58.9	58.9
≥ 16000	32.9	53.7	54.0	54.8	56.1	56.2	56.5	57.1	57.2	58.5	58.7	59.3	59.8	59.8	59.8	59.8
≥ 14000	33.2	54.3	54.4	55.1	56.4	56.5	56.9	57.4	57.5	58.8	59.0	59.7	60.1	60.1	60.1	60.1
≥ 12000	33.2	54.3	54.6	55.3	56.6	56.7	57.1	57.6	57.7	59.0	59.2	59.9	60.3	60.3	60.3	60.3
≥ 10000	34.4	55.9	56.2	57.0	58.3	58.4	58.7	59.2	59.3	60.6	60.8	61.5	61.9	61.9	61.9	61.9
≥ 8000	34.4	56.1	56.4	57.2	58.5	58.6	58.9	59.4	59.5	60.8	61.1	61.7	62.1	62.1	62.1	62.1
≥ 6000	36.9	60.3	60.4	61.4	62.7	62.8	63.1	63.6	63.8	65.0	65.3	65.9	66.3	66.3	66.3	66.3
≥ 5000	38.3	63.2	63.5	64.4	65.8	65.9	66.2	66.8	66.9	68.2	68.4	69.0	69.5	69.5	69.5	69.5
≥ 4500	39.1	65.2	65.5	66.3	68.0	68.1	68.4	68.9	69.3	70.6	70.8	71.4	71.8	71.8	71.8	71.8
≥ 4000	40.1	69.9	71.2	72.3	74.1	74.4	75.1	75.6	75.9	77.2	77.5	78.1	78.5	78.5	78.5	78.5
≥ 3500	40.5	70.8	72.2	73.4	75.2	75.5	76.2	76.7	77.3	78.3	78.5	79.2	79.6	79.6	79.6	79.6
≥ 3000	41.9	73.7	75.4	76.9	79.2	79.6	80.5	81.0	81.3	82.7	83.5	83.6	84.0	84.0	84.0	84.0
≥ 2500	42.7	76.9	79.3	80.7	83.2	83.6	84.5	85.1	85.4	87.1	87.3	87.9	88.3	88.3	88.3	88.3
≥ 2000	42.9	77.8	79.8	81.7	84.1	84.6	85.9	86.5	86.8	88.5	88.7	89.3	89.8	89.8	89.8	89.8
≥ 1800	43.3	79.9	82.7	83.8	86.4	86.8	88.1	88.8	89.2	90.8	91.0	91.7	92.1	92.1	92.1	92.1
≥ 1600	43.4	81.8	83.7	85.8	88.7	89.1	90.5	91.2	91.6	93.2	93.4	94.1	94.5	94.5	94.5	94.5
≥ 1400	43.7	82.2	84.4	86.2	89.1	89.6	91.0	91.7	92.1	93.7	94.0	94.6	95.0	95.0	95.0	95.0
≥ 1200	43.8	82.5	84.8	86.6	89.5	90.1	91.5	92.1	92.6	94.2	94.4	95.0	95.5	95.5	95.5	95.5
≥ 1000	43.9	83.3	85.5	87.4	90.3	90.8	92.2	93.0	93.4	95.0	95.3	95.9	96.3	96.3	96.3	96.3
≥ 900	43.8	83.6	85.9	87.7	90.6	91.2	92.6	93.3	93.7	95.4	95.6	96.2	96.7	96.7	96.7	96.7
≥ 800	43.8	83.7	86.0	87.8	90.7	91.3	92.7	93.4	93.9	95.5	95.7	96.3	96.8	96.8	96.8	96.8
≥ 700	43.8	83.9	86.3	88.1	91.0	91.6	93.0	93.7	94.2	95.8	96.0	96.7	97.1	97.1	97.1	97.1
≥ 600	43.9	84.1	86.5	88.3	91.3	91.8	93.2	94.0	94.4	96.1	96.3	97.0	97.4	97.4	97.4	97.4
≥ 500	43.9	84.3	86.6	88.5	91.4	91.9	93.3	94.1	94.5	96.2	96.4	97.1	97.5	97.5	97.5	97.5
≥ 400	44.0	85.1	87.5	89.4	92.4	93.0	94.4	95.1	95.6	97.3	97.5	98.2	98.6	98.6	98.6	98.6
≥ 300	44.1	85.2	87.6	89.9	92.8	93.4	94.8	95.6	96.0	97.8	98.1	98.7	99.4	99.4	99.4	99.4
≥ 200	44.1	85.3	87.9	90.2	93.2	93.7	95.3	96.0	96.4	98.3	98.6	99.2	99.9	99.9	99.9	99.9
≥ 100	44.1	85.3	87.9	90.2	93.2	93.7	95.3	96.0	96.4	98.3	98.6	99.2	99.9	99.9	99.9	99.9
≥ 0	44.1	85.3	87.9	90.2	93.2	93.7	95.3	96.0	96.4	98.3	98.6	99.2	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 220 STATION NAME

73-82

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

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 FILING ≥ 20000	32.1	46.6	47.2	47.8	48.8	48.9	49.4	50.2	50.4	51.1	51.9	52.1	52.4	52.4	52.5	52.5
2 18000	33.2	48.1	48.7	49.4	50.4	50.5	51.0	51.8	52.0	52.7	53.5	53.7	54.0	54.0	54.1	54.1
2 16000	34.0	49.1	49.7	50.3	51.3	51.4	51.9	52.8	52.9	53.7	54.4	54.7	55.0	55.0	55.1	55.1
2 14000	34.2	49.3	49.9	50.6	51.6	51.7	52.2	53.0	53.2	53.9	54.7	54.9	55.2	55.2	55.3	55.3
2 12000	34.6	49.8	50.4	51.0	52.1	52.2	52.7	53.5	53.7	54.4	55.2	55.4	55.7	55.7	55.8	55.8
2 10000	35.7	50.3	50.9	51.5	52.6	52.7	53.2	54.1	54.2	55.0	55.7	55.9	56.2	56.3	56.4	56.4
2 9000	37.2	52.7	53.4	54.0	55.1	55.2	55.7	56.5	56.7	57.4	58.2	58.4	58.7	58.7	58.8	58.9
2 8000	37.9	53.6	54.2	54.8	55.9	56.0	56.5	57.3	57.5	58.3	59.0	59.2	59.5	59.6	59.7	59.7
2 7000	40.7	57.9	58.6	59.3	60.4	60.5	61.1	61.9	62.1	62.9	63.6	63.9	64.2	64.2	64.3	64.3
2 6000	42.7	61.3	62.1	62.8	64.0	64.2	64.7	65.5	65.7	66.5	67.3	67.5	67.8	67.8	67.9	67.9
2 5000	44.3	63.9	64.9	65.6	66.9	67.1	67.7	68.6	68.8	69.7	70.4	70.7	71.0	71.0	71.1	71.1
2 4500	46.1	67.9	69.3	70.2	71.8	72.0	72.8	73.9	74.3	75.2	75.9	76.2	76.5	76.5	76.6	76.6
2 4000	47.1	69.2	70.7	71.6	73.1	73.4	74.2	75.3	75.7	76.6	77.4	77.6	77.9	78.0	78.0	78.1
2 3500	48.1	72.4	74.2	75.9	77.5	77.8	78.9	80.1	80.7	81.7	82.6	82.9	83.1	83.1	83.2	83.2
2 3000	49.7	75.7	76.9	78.3	80.5	80.9	82.0	83.4	84.0	85.1	86.0	86.3	86.6	86.6	86.7	86.7
2 2500	50.2	76.1	78.1	79.5	81.8	82.2	83.5	85.1	85.7	86.9	87.8	88.0	88.4	88.4	88.5	88.5
2 2000	50.4	77.6	79.6	81.1	83.6	84.0	85.5	87.0	87.7	88.9	89.9	90.0	90.3	90.4	90.5	90.5
2 1800	51.2	79.9	82.1	83.7	86.3	86.7	88.2	89.8	90.5	91.7	92.7	92.9	93.2	93.2	93.3	93.3
2 1600	51.4	80.2	82.5	84.1	86.7	87.1	88.6	90.3	91.0	92.2	93.1	93.4	93.7	93.7	93.8	93.8
2 1400	51.7	81.1	83.4	85.0	87.6	88.1	89.7	91.4	92.1	93.4	94.3	94.6	94.9	94.9	95.0	95.0
2 1200	51.9	82.2	84.6	86.3	89.0	89.5	91.2	93.0	93.8	95.2	96.1	96.4	96.7	96.7	96.8	96.8
2 1000	52.0	82.4	84.8	86.5	89.2	89.6	91.5	93.3	94.1	95.5	96.5	96.8	97.1	97.1	97.2	97.2
2 900	52.0	82.7	85.1	86.9	89.5	90.1	91.9	93.7	94.5	96.0	97.0	97.2	97.6	97.6	97.7	97.7
2 800	52.1	83.0	85.3	87.1	89.8	90.4	92.2	94.0	94.8	96.4	97.3	97.6	97.9	98.0	98.1	98.1
2 700	52.1	83.2	85.6	87.4	90.1	90.7	92.5	94.3	95.2	96.7	97.7	97.9	98.3	98.3	98.4	98.4
2 600	52.2	83.4	86.7	87.9	90.6	91.2	93.0	94.9	95.7	97.4	98.4	98.6	98.9	99.0	99.1	99.1
2 500	52.2	83.6	86.1	88.1	90.9	91.5	93.3	95.3	96.1	97.7	98.7	99.0	99.4	99.5	99.6	99.6
2 400	52.2	83.5	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.3	99.7	99.8	99.9	99.9
2 300	52.2	83.6	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.4	99.8	99.9	100.0	100.0
2 200	52.2	83.6	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.4	99.8	99.9	100.0	100.0
2 100	52.2	83.6	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.4	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-2225-1 GALENA AFS AR STATION NAME

73-82 YEARS

6-1-1

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 ≥20000	36.3	42.6	47.8	43.0	43.4	43.4	43.5	43.7	43.8	44.0	44.2	44.3	44.5	44.6	44.7	44.7
≥18000	41.3	46.3	46.5	46.7	47.1	47.1	47.3	47.4	47.5	47.7	48.0	48.1	48.2	48.3	48.4	48.4
≥16000	41.9	48.1	48.3	48.5	49.9	48.9	49.1	49.2	49.3	49.5	49.8	49.9	50.0	50.1	50.2	50.2
≥14000	42.2	48.3	48.5	48.8	49.1	49.2	49.3	49.5	49.5	49.8	50.0	50.1	50.3	50.4	50.5	50.5
≥12000	42.9	49.0	49.2	49.5	49.8	49.9	50.0	50.2	50.2	50.5	50.7	50.8	51.0	51.1	51.2	51.2
≥10000	43.9	50.1	50.4	50.6	51.0	51.0	51.2	51.3	51.4	51.7	51.9	52.0	52.2	52.3	52.4	52.4
≥8000	47.2	53.9	54.1	54.3	54.7	54.8	54.9	55.1	55.2	55.4	55.7	55.8	56.0	56.0	56.1	56.2
≥6000	48.3	55.3	55.3	55.5	55.9	56.0	56.1	56.3	56.4	56.6	56.9	57.0	57.2	57.2	57.3	57.4
≥4000	53.1	60.4	60.7	61.0	61.5	61.5	61.7	61.9	61.9	62.2	62.5	62.6	62.8	62.8	62.9	63.0
≥2000	56.7	64.8	65.1	65.4	65.8	65.9	66.1	66.3	66.4	66.7	66.9	67.1	67.2	67.3	67.4	67.4
≥1000	59.5	67.1	67.4	67.8	68.3	68.3	68.6	68.8	68.9	69.2	69.4	69.5	69.7	69.8	69.9	69.9
≥500	62.4	71.9	72.4	72.8	73.3	73.4	73.7	74.0	74.1	74.4	74.7	74.8	75.0	75.1	75.2	75.2
≥250	63.3	73.5	74.1	74.4	75.0	75.1	75.4	75.7	75.8	76.1	76.4	76.5	76.7	76.8	76.9	76.9
≥125	67.8	78.4	79.7	79.5	80.2	80.3	80.7	81.1	81.2	81.6	81.9	82.0	82.2	82.3	82.4	82.4
≥62.5	70.5	81.9	82.6	83.2	84.0	84.1	84.5	84.9	85.1	85.5	85.8	86.0	86.1	86.2	86.3	86.4
≥31.25	72.4	84.4	85.2	85.8	86.7	86.8	87.4	87.9	88.0	88.5	88.8	88.9	89.1	89.2	89.3	89.4
≥15.625	73.7	86.2	87.0	87.7	88.7	88.8	89.5	90.0	90.2	90.7	91.0	91.1	91.3	91.4	91.5	91.6
≥7.8125	75.1	88.2	89.1	89.9	91.0	91.2	91.9	92.4	92.7	93.3	93.6	93.7	93.9	94.0	94.1	94.2
≥3.90625	75.2	88.6	89.5	90.3	91.4	91.6	92.3	92.8	93.1	93.7	94.0	94.1	94.3	94.4	94.5	94.6
≥1.953125	75.7	89.3	90.3	91.2	92.4	92.6	93.4	94.0	94.3	94.9	95.2	95.4	95.6	95.7	95.8	95.8
≥975	76.1	90.0	91.0	92.0	93.2	93.4	94.3	94.9	95.2	95.9	96.3	96.4	96.6	96.7	96.8	96.9
≥487.5	76.2	90.3	91.3	92.3	93.5	93.8	94.7	95.4	95.7	96.5	96.9	97.0	97.3	97.3	97.5	97.5
≥243.75	76.3	90.4	91.5	92.5	93.7	94.0	94.9	95.6	96.0	96.7	97.1	97.3	97.5	97.6	97.7	97.8
≥121.875	76.4	90.6	91.7	92.6	93.9	94.1	95.1	95.8	96.2	97.0	97.4	97.6	97.8	97.9	98.0	98.1
≥60.9375	76.4	90.7	91.9	92.8	94.1	94.4	95.3	96.1	96.5	97.3	97.8	97.9	98.1	98.2	98.3	98.4
≥30.46875	76.5	90.9	92.0	93.0	94.3	94.6	95.6	96.4	96.7	97.6	98.1	98.2	98.4	98.5	98.7	98.7
≥15.234375	76.5	91.1	92.2	93.3	94.6	94.9	95.9	96.7	97.1	98.0	98.6	98.7	99.0	99.1	99.2	99.3
≥7.6171875	76.6	91.2	92.3	93.4	94.8	95.1	96.1	97.0	97.4	98.3	98.9	99.1	99.4	99.5	99.6	99.7
≥3.80859375	76.6	91.2	92.4	93.4	94.8	95.1	96.2	97.0	97.5	98.4	99.0	99.2	99.5	99.6	99.9	99.9
≥1.904296875	76.6	91.2	92.4	93.4	94.8	95.1	96.2	97.0	97.5	98.5	99.1	99.2	99.6	99.7	99.9	99.9
≥952.1484375	76.6	91.2	92.4	93.4	94.8	95.1	96.2	97.0	97.5	98.5	99.1	99.3	99.6	99.7	99.9	100.0
≥476.07421875	76.6	91.2	92.4	93.4	94.8	95.1	96.2	97.0	97.5	98.5	99.1	99.3	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 67673

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBLSCURED 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

OBLSCURED WAS CONVERTED TO 10/10

SKY COVER

73-82

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	31.9			14.2						15.6	37.5	5.7	935
	03-05	30.6			17.4						15.9	36.2	5.6	899
	06-08	25.1			24.1						16.7	34.1	5.6	932
	09-11	11.5			23.6						31.4	33.3	6.9	978
	12-14	12.4			22.8						29.8	35.3	5.9	917
	15-17	12.5			23.5						27.8	36.2	6.8	920
	18-20	26.1			22.8						21.1	36.1	6.2	912
	21-23	28.6			17.0						18.5	35.9	5.8	910
TOTALS		21.6			20.7						22.2	25.5	6.2	7269

SKY COVER

12 22
STATION

GALENA AFS AK

STATION NAME

73-92

PERIOD

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	39.7			13.0						13.5	28.7	4.6	818
	03-05	36.0			13.0						13.7	3.3	4.8	374
	06-08	26.3			26.6						16.7	29.1	5.3	811
	09-11	19.9			31.3						20.9	27.9	5.6	624
	12-14	24.2			25.0						21.4	26.4	5.4	842
	15-17	25.4			24.9						22.0	27.7	5.5	846
	18-20	31.1			23.9						17.7	28.0	5.7	846
	21-23	39.2			19.2						15.7	26.6	4.6	834
TOTALS		34.3			23.9						17.7	28.1	5.1	6625

SKY COVER

STATION NAME

73-92

PERIOD

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		
MAR	00-02	34.2			22.3						12.6	31.0	4.9	930
	03-05	32.7			12.7						15.0	33.4	5.3	929
	06-08	16.7			25.8						25.4	32.2	6.3	930
	09-11	17.3			21.6						28.3	32.9	6.5	927
	12-14	17.7			23.0						28.4	30.9	6.3	929
	15-17	18.1			23.8						28.9	29.2	6.2	930
	18-20	16.6			25.7						27.6	30.1	6.3	930
	21-23	26.8			24.8						18.1	30.3	5.4	930
TOTALS		22.4			23.3						23.0	31.3	5.9	7435

SKY COVER

APR
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		
APR	00-02	23.3			27.3						29.1	29.2	5.6	930
	03-05	14.4			29.5						22.9	33.8	6.3	897
	06-08	10.2			25.7						27.9	36.2	6.9	930
	09-11	11.6			26.3						26.1	36.7	6.7	930
	12-14	11.4			24.8						27.9	35.9	6.8	930
	15-17	11.4			25.2						28.8	34.9	6.8	930
	18-20	11.3			25.0						28.6	35.7	6.8	899
	21-23	13.2			28.3						25.2	33.8	6.5	930
TOTALS		13.3			26.5						25.9	34.1	6.6	7184

SKY COVER

73-92

PERIOD

MAY
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
MAY	00-02	7.3			35.1						32.7	24.9	6.5	930
	03-05	7.6			35.0						32.8	22.6	6.7	930
	06-08	8.6			29.1						37.1	15.2	6.7	930
	09-11	7.0			30.7						34.9	27.4	6.8	929
	12-14	6.3			25.4						43.2	25.1	7.2	930
	15-17	5.3			23.3						46.2	25.2	7.4	930
	18-20	4.6			28.0						43.7	23.8	7.1	930
	21-23	5.8			31.5						36.7	26.0	6.8	930
TOTALS		6.6			29.1						39.3	25.9	6.9	7430

SKY COVER

STATION NAME

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
JUN	00-02	2.1			23.7						38.2	36.4	7.8	900
	03-05	2.4			25.4						33.9	33.3	7.6	899
	06-08	3.1			24.3						35.9	36.7	7.6	900
	09-11	3.3			23.3						37.2	36.1	7.7	900
	12-14	2.0			21.1						43.4	33.4	7.9	900
	15-17	1.1			20.8						46.4	31.7	8.0	899
	18-20	.9			20.4						50.6	28.1	8.0	899
	21-23	1.1			23.9						43.9	31.1	7.8	899
TOTALS		2.0			22.8						41.8	33.3	7.8	7199

SKY COVER

73-92

PERIOD

MONTH

1

P

SKY COVER

1-220
STATION

GALENA AFS AK

STATION NAME

73-82

PERIOD

415
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	5.5			28.8						33.7	32.0	7.1	92
	03-05	2.5			25.1						34.5	37.9	7.7	925
	06-08	2.8			21.7						40.5	35.0	7.8	926
	09-11	3.5			21.9						38.6	35.9	7.7	930
	12-14	2.4			21.6						45.7	30.3	7.8	930
	15-17	1.6			21.0						50.2	27.2	7.9	928
	18-20	1.5			23.9						48.2	26.4	7.7	928
	21-23	2.9			26.8						42.2	28.2	7.4	937
TOTALS		2.8			23.8						41.7	31.6	7.6	7825

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	12.2			24.1						23.6	40.1	6.9	897
	03-05	5.6			21.7						28.9	40.8	7.3	823
	06-08	4.9			17.5						36.6	47.9	7.9	895
	09-11	4.7			20.6						36.5	38.3	7.7	899
	12-14	3.8			21.2						38.2	37.8	7.8	900
	15-17	4.8			18.8						39.9	36.6	7.8	900
	18-20	5.3			17.9						37.4	39.4	7.8	899
	21-23	8.9			24.2						27.2	39.8	7.1	898
						</								

SKY COVER

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
GCT	00-02	18.3			13.0						16.8	51.8	7.1	928
	03-05	17.0			12.9						18.4	51.7	7.2	923
	06-08	5.6			17.5						27.1	49.6	7.9	927
	09-11	5.7			15.4						30.1	48.8	8.1	929
	12-14	6.5			16.0						28.4	49.1	7.9	930
	15-17	6.1			15.9						26.9	51.1	8.0	930
	18-20	9.2			18.6						21.5	50.6	7.6	930
	21-23	15.4			15.7						19.9	49.0	7.2	929
TOTALS		10.5			15.6						23.6	50.2	7.6	7424

SKY COVER

PERIOD

~~NOV~~
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
NOV	00-02	22.8			16.6						18.2	42.8	6.4	89
	03-05	22.0			19.0						19.7	39.3	6.3	89
	06-08	17.3			22.1						21.2	39.5	6.5	89
	09-11	9.7			22.6						27.2	40.5	7.2	89
	12-14	11.3			21.7						27.6	39.4	7.1	89
	15-17	13.7			22.3						25.0	42.0	7.1	89
	18-20	16.2			22.0						20.3	41.6	6.6	89
	21-23	21.0			19.9						18.8	40.4	6.3	89
TOTALS		16.4			20.8						22.3	43.6	6.7	217

SKY COVER

STATION NAME

73-82

PERIOD

~~DEC~~
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
DEC	00-02	31.0			15.0						16.0	36.0	5.6	910
	03-05	30.8			15.3						13.5	40.5	5.7	974
	06-08	28.1			19.7						15.6	36.6	5.7	934
	09-11	15.3			25.4						24.2	35.2	6.5	915
	12-14	13.2			24.4						23.2	39.6	5.7	910
	15-17	14.3			28.4						19.2	38.1	6.4	913
	18-20	25.4			27.3						15.5	35.8	5.7	975
	21-23	29.9			21.0						14.3	34.8	5.4	955
TOTALS		23.6			21.7						17.8	37.0	6.0	7264

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

7 2220 GALENA AFS AK STATION NAME

73-82

PERIOD

ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	21.6			20.7						22.2	35.5	6.2	7269
FEB		30.3			23.9						17.7	28.1	5.1	6625
MAR		22.4			23.3						23.0	31.3	5.9	7435
APR		13.3			26.5						25.9	34.3	6.6	7196
MAY		6.6			29.1						39.3	25.0	6.9	7439
JUN		2.0			22.9						41.8	33.3	7.8	7196
JUL		2.9			24.3						41.2	31.6	7.6	7427
AUG		2.8			23.9						41.7	31.6	7.6	7425
SEP		6.7			20.6						33.5	39.2	7.5	7181
OCT		10.5			15.6						23.6	50.2	7.6	7426
NOV		16.8			20.8						22.3	40.6	6.7	7173
DEC		23.6			21.7						17.8	37.0	6.0	7261
TOTALS		13.3			22.8						29.2	34.8	6.8	87653

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

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

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), 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
7 2220 GALENA AFS AK

53-82

DAILY TEMPERATURES

STATION STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						.1							.0
85						.9	1.8	.2					.2
80					.4	4.2	7.3	1.6					1.2
75					1.1	12.8	20.9	6.8	.1				3.5
70					3.1	31.0	41.8	16.2	.4				7.9
65					13.0	53.9	61.6	38.6	3.8				14.5
60				.2	29.3	76.6	81.7	63.1	13.7				22.4
55				1.3	48.7	91.9	95.6	87.7	34.8	.3			30.5
50			.1	3.6	65.6	98.4	99.5	98.2	59.2	1.2			36.0
45			.3	10.7	81.4	99.8	100.0	100.0	76.4	5.2	.1		40.0
40	.4	.2	1.8	24.3	92.4	100.0			90.2	14.4	.8	.3	44.2
35	2.1	1.7	9.3	43.0	96.6				97.4	30.4	3.7	2.0	49.3
30	6.0	6.8	18.2	59.8	98.8				99.6	50.5	8.2	4.7	54.9
25	10.7	11.4	29.3	74.3	99.3				100.0	66.8	16.3	8.0	63.1
20	17.1	16.8	43.5	84.5	99.9					81.1	27.1	13.2	65.7
15	24.9	26.5	53.8	91.1	100.0					90.2	39.7	21.3	71.0
10	32.1	37.4	65.3	97.2						96.1	58.4	30.3	76.7
5	40.9	48.6	76.2	99.1						98.3	70.8	39.4	81.3
0	50.6	58.5	84.1	100.0						99.2	80.1	48.5	85.3
-5	59.7	66.7	89.8							99.7	86.2	57.2	88.4
-10	68.0	75.7	93.9							99.9	90.3	65.9	91.2
-15	74.5	84.2	97.1							100.0	93.7	73.7	93.7
-20	80.6	90.4	99.6								96.9	78.5	95.5
-25	84.0	96.1	99.9								98.2	84.0	96.8
-30	89.5	98.5	100.0								99.0	88.7	98.0
-35	93.7	99.5									99.8	92.4	98.8
-40	97.0	99.9									100.0	95.7	99.4
-45	99.2	100.0										98.9	99.8
-50	99.7											99.6	99.9
-55	100.0											99.8	100.0
-60												100.0	100.0
MEAN	-1.5	2.9	15.0	31.4	53.5	65.4	67.5	62.6	50.9	28.6	10.4	-2.9	32.0
S.D.	20.518	16.917	14.817	11.144	9.885	7.934	8.086	7.203	8.147	10.461	14.685	20.340	29.206
TOTAL OBS	879	719	899	870	899	900	930	930	900	930	900	927	10893

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

AFW WEATHER SERVICE/MAC
7 2220 GALENA AFS AK

STATION

STATION NAME

53-82

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

"1414."

[illegible]

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 70.220 GALENA AFS AK
 STATION STATION NAME

53-82

DAILY TEMPERATURES

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP. °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.1	.1	.1					.0
70						3.0	5.3	1.0					.8
65					.4	10.9	22.0	5.7					3.3
60					1.8	35.8	51.5	22.8	.7				9.6
55					9.6	68.1	81.5	56.1	4.9				18.7
50					30.3	91.1	96.7	86.9	20.4				27.6
45				1.1	55.4	96.0	99.9	97.2	54.2	1.1			34.4
40				6.6	76.2	99.8	100.0	100.0	74.1	5.7			39.1
35	.3	.1	1.2	17.0	89.9	100.0			89.7	17.1	1.2	.2	43.6
30	1.8	1.8	5.7	31.7	95.0				97.1	33.0	3.1	1.0	48.0
25	4.7	5.5	12.3	47.7	97.7				99.6	50.1	8.6	3.3	53.0
20	9.1	9.2	22.1	62.5	99.1				100.0	66.0	15.0	7.0	58.0
15	14.8	14.8	31.6	74.0	99.8					73.3	25.1	12.4	63.0
10	21.0	21.1	41.9	81.8	99.9					86.9	37.9	19.1	67.9
5	27.7	28.9	52.5	89.3	100.0					93.8	52.6	25.9	72.9
0	35.6	40.0	62.4	95.3						97.0	64.9	33.5	77.7
-5	45.2	51.0	71.1	98.7						98.5	75.4	42.8	82.1
-10	53.3	58.0	79.5	99.5						99.2	82.1	51.3	85.5
-15	61.0	65.9	87.2	99.9						99.9	97.6	60.0	88.6
-20	69.0	75.0	91.2	100.0							91.2	67.9	91.3
-25	75.5	82.5	95.9							100.0	95.7	75.8	93.9
-30	81.2	89.6	98.0								97.9	82.2	95.8
-35	88.1	95.5	99.8								99.1	88.3	97.6
-40	93.4	99.1	100.0								99.9	93.5	98.8
-45	96.7	99.0									100.0	97.3	99.5
-50	99.2	100.0										99.5	99.9
-55	99.7											99.6	99.9
-60	100.0											99.9	100.0
-65												100.0	100.0
MEAN	-9.2	-6.1	4.7	22.2	44.7	57.3	59.8	55.5	44.0	23.3	3.9	-10.0	24.2
S.D.	20.566	16.236	16.711	12.466	8.343	6.101	5.731	5.557	6.985	11.568	15.449	19.881	29.357
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	927	10803

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

70220 GALENA AFS AK
STATION STATION NAME

53-82
YEARS

*HOLD DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						80	89	70	63	52	25	20	
54	20	21	50	49	72	81	81	75	61	55	40	30	81
55	29	23	34	45	65	74	86	77	63	44	18*	35	86
56	11	23	39	50	69	77	83	77	65	37	36	17	83
57	40	33	38	51	70	85	85	77	75	49	35	21	85
58	18	33	39	60	73	80	86	74	58	41	28	20	86
59	14	35	26	44	66	83	75	80	62	49	23	17	83
60	29	34	35	58	80	75	86	79	59	45	28	35	86
61	40	11	36	44	69	74	82	70	61	42	35	35	82
62	35	35	41	45	65	82	83	80	63	44	31	25	83
63	34	30	38	49	75	72	80	77	71	50	19	37	80
64	10	33	24	39	67	80	77	77	65	46	35	15	80
65	32	9	42	42	66	79	82	70	70	37	43	32	82
66	17	25	32	48	65	74	76	82	63	47	36	26	82
67	21	35	38	57	64	82	85	79	63	49	44	78	85
68	38	37	31	42	61	75	87	87	61	39	25	35	87
69	24	36	33	53	76	92	77	65	68	56	24	30	92
70	22	39	42	49	67	75	81	74	61	44	40	40	81
71	17	18	38	46	63	88	78	68	60	39	27	36	88
72	37	23	20	41	67	79	84	78	63	43	29	33	84
73	35	27	39	44	68	80	77	73	68	44	38	44	80
74	43	5	34	53	82	81	82	83	68	30	36	13	83
75	32	34	34	47	70	75	81	77	60	47	33	19	81
76	22	31	36	55	65	78	85	79	65	52	38	18	85
77	34	34	34	44	65	80	89	81	68	49	23	39	89
78	26	34	29	56	70	73	80	77	70	37	36	32	80
79	28	8	42	57	71	78	82	77	68	55	45	27	82
80	34	39	41	51	69	72	80	70	60	44	25	16	80
81	35	32	38	42	80	80	76	80	65	42	34	18	80
82	8	41	37	41	61	81	85	73	65	40	28	38	85
MEAN	27.1	28.2	35.9	48.4	69.1	78.8	82.0	76.2	64.4	44.9	31.9	27.8	63.4
S D	9.845	9.933	6.028	5.926	5.411	4.609	3.895	4.817	4.056	6.085	7.312	9.120	3.095
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	927	10803

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

30 220 GALENA AFS AK
STATION STATION NAME

53-82

YEARS

WORLD DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
53						43	42	39	24	-13	-16	-36	
54	-38	-45	-36	-6	29	41	42	39	17	12	-18	-50	-50
55	-49	-47	-37	-24	23	37	45	33	21	-11	-30	-48	-49
56	-47	-52	-49	-31	30	35	43	37	22	-23	-41	-47	-52
57	-49	-47	-22	-12	22	44	44	42	15	-12	-9	-54	-54
58	-40	-29	-13	0	7	43	44	38	24	-7	-32	-46	-46
59	-42	-26	-50	-17	21	36	37	38	20	-1	-15	-41	-50
60	-51	-31	-30	-24	31	29	40	37	24	5	-33	-23	-51
61	-35	-37	-39	-14	26	43	42	38	25	-6	-43	-62	-62
62	-54	-35	-35	-14	7	37	48	32	22	-3	-31	-39	-54
63	-41	-48	-32	-11	19	34	44	38	25	-12	-36	-33	-48
64	-43	-47	-51	-35	10	40	44	44	25	2	-23	-50	-51
65	-49	-45	-30	-4	-1	38	38	34	22	-5	-18	-48	-49
66	-45	-44	-50	-24	14	43	39	31	25	-10	-27	-48	-50
67	-44	-43	-26	-1	22	34	41	35	31	-10	-28	-37	-44
68	-52	-57	-30	-19	15	33	46	34	12	-10	-26	-51	-57
69	-53	-51	-35	-25	30	33	41	28	26	1	-38	-25	-53
70	-40	-43	-27	-13	16	35	42	36	12	-25	-19	-51	-51
71	-61	-50	-54	-17	17	43	43	40	21	2	-39	-44	-61
72	-53	-46	-39	-24	24	35	45	41	21	2	-13	-45	-53
73	-50	-46	-36	-6	17	40	38	36	21	-7	-44	-35	-50
74	-50	-49	-41	-11	23	34	38	42	27	-10	-49	-54	-54
75	-59	-41	-43	-22	19	42	39	40	23	-29	-38	-51	-59
76	-46	-56	-30	-11	29	43	36	39	31	-9	-19	-41	-56
77	-39	-22	-42	-25	22	44	49	41	29	-11	-27	-47	-47
78	-37	-48	-21	-15	32	41	44	39	26	6	-14	-29	-48
79	-27	-46	-25	0	34	39	42	38	29	14	-6	-45	-46
80	-53	-19	-25	9	30	39	45	34	26	7	-11	-40	-53
81	-17	-44	-5	-1	27	36	40	34	25	4	-28	-31	-44
82	-38	-37	-20	-18	6	38	47	39	34	-8	-31	-36	-38
MEAN	-45.4	-42.4	-33.6	-14.3	20.8	38.4	42.3	37.2	23.5	-5.6	-26.8	-42.7	-51.4
S.D.	9.477	9.463	11.676	10.372	8.858	4.556	3.269	3.585	5.084	10.098	11.376	9.231	5.405
TOTAL OBS.	899	819	899	870	899	900	930	930	900	930	900	927	10803

NOTES: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OLA)

* (AT LEAST ONE DAY LESS THAN 24 OBS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70-22 GALENA AFS AK 73-82 JAN MONTH
STATION STATION NAME YEARS

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7 / 41				.1														3	3					
7 / 37																		1	1	1				
7 / 35			.1															6	6	6				
7 / 33			.5	.2														19	19	5				
7 / 31		1.1	.7	.5														5	5	5	6			
7 / 29		.2	.2	.1														19	19	14	6			
7 / 27	.4	1.1	.5															21	21	18	10			
7 / 25	.5	1.4	.7															17	17	22	4			
7 / 23		.1																17	17	23	4			
7 / 21	.4	1.2	.7															37	37	14	18			
7 / 19	.7	2.2	1.5															36	36	43	22			
7 / 17	.6	3.3	.5															33	33	34	30			
7 / 15	.7	3.2	.1															37	37	35	24			
7 / 13	.9	3.4	.2															27	27	42	38			
7 / 11	1.4	2.0																33	33	31	35			
7 / 9	1.1	2.9																29	29	32	31			
7 / 7	1.5	2.0																20	20	28	29			
7 / 5	.7	1.7																37	39	33	36			
7 / 3	1.6	2.9																34	34	32	27			
7 / 1	1.2	2.2																28	29	33	22			
7 / -1	2.5	.9																34	34	32	27			
7 / -3	2.5	1.8																21	21	19	26			
7 / -5	1.5	.7																33	33	39	30			
7 / -7	3.2	.1																34	35	34	11			
7 / -9	4.2																	19	19	19	23			
7 / -11	2.3																	18	18	18	23			
7 / -13	2.2																	32	32	32	24			
7 / -15	3.9																	26	26	26	22			
7 / -17	3.2																	12	13	12	26			
7 / -19	1.5																	22	22	22	24			
7 / -21	2.7																	11	11	11	26			
7 / -23	1.4																	18	18	18	23			
7 / -25	2.2																	10	10	10	24			
7 / -27	1.2																							
Element (X)	Σ X'		Σ X		X		X		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																								

USAFETAC FORM 0-26-5 (OLA) 10-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

0600-0200
HOURS (L. S. T.)

[illegible]

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

70-227 STATION WALENA AFS AK STATION NAME 73-82 YEARS JAN MONTH

PAGE 1 7300-05-2 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	TOTAL			
41				.1														1	1			1			
40			.1															1	1			1			
39			.1															1	1			1			
38			.1															1	1			1			
37	.1	.1	.3	.1														5	5	2		5			
36		.1	.5	.6														10	10	3	2	10			
35	.1	.6	.9															13	13	5	4	13			
34	.3	1.5	.6															19	19	13	3	19			
33	.4	2.0	1.5															31	31	27	7	31			
32	.4	1.5	.4															18	18	29	11	18			
31	.4	1.1	.3															18	18	28	7	18			
30	.3	2.1	1.3															33	33	16	28	33			
29	.5	4.3	.8															44	44	29	22	44			
28	.9	3.7	.3															38	38	49	26	38			
27	.6	3.7																34	34	77	23	34			
26	1.1	.6																14	14	16	27	14			
25	1.0	2.8																30	31	20	50	30			
24	.8	1.9																21	22	25	34	21			
23	.9	1.6																20	21	21	25	20			
22	1.6	3.2																38	38	39	25	38			
21	1.1	3.9																40	40	37	25	40			
20	2.6	1.4																32	32	34	21	32			
19	1.6	2.0																29	29	34	19	29			
18	2.3	1.9																33	33	28	26	33			
17	2.6																	21	21	32	21	21			
16	2.3																	18	18	18	22	18			
15	4.3																	34	34	74	24	34			
14	2.4																	19	19	13	7	19			
13	4.3																	34	34	34	30	34			
12	1.8																	14	14	14	22	14			
11	3.3																	26	26	26	30	26			
10	2.3																	16	16	14	31	16			
9	1.9																	15	15	15	25	15			
8	2.1																	17	17	17	23	17			
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 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7 220	GALEVA AFS AK
STATION	STATION NAME

73-42

YEARS

33
MONTH

PAGE 2

0300-2500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																					
- / -27	1.0																	12	12	12	24																					
- / -29	2.3																	18	18	18	20																					
- / -31	.5																	6	5	6	17																					
- / -33	1.4																	11	11	11	12																					
- / -35	.1																	4	13	4	1																					
- / -37	.1																	1	14	1	26																					
- / -39																			17		13																					
- / -41	.1																	1	14	1	14																					
- / -43																			21		0																					
- / -45																			19		1																					
- / -47																			17		2																					
- / -49																			7																							
- / -51																			3																							
- / -53																			2																							
- / -55																			11																							
- / -57																			5																							
TOTAL	32.840.1	7.1	.9															793	937	793	793																					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 1225 GALENA AFS AK 73-82 JAN 1960-08-00
STATION MONTH HOURS (L. S. T.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
37 / 37			.1															1	1								
36 / 35			.3															2	2								
34 / 33			.4	.5														7	7	1							
32 / 31		.4	.3	.4														6	8	3							
31 / 29		.6	.4															8	8	6	1						
29 / 27	.1	1.3	1.3															25	25	12	1						
27 / 25	.8	1.3	.6															21	21	31	6						
25 / 23	.1	1.5	.6															16	18	19	13						
23 / 21	1.4	1.1	.1															21	21	27	12						
21 / 19	.3	4.5	1.8															47	47	16	30						
19 / 17	.4	4.3	.6															42	42	47	14						
17 / 15	1.0	2.7																29	29	46	23						
15 / 13	.5	2.0																21	21	25	23						
13 / 11	2.3	1.7																31	32	34	34						
11 / 9	.9	1.9																22	23	26	33						
9 / 7	.9	2.9																30	32	25	40						
7 / 5	.8	1.8																20	20	24	24						
5 / 3	.8	2.3																24	24	27	23						
3 / 1	1.4	4.6																47	47	39	21						
1 / -1	2.5	2.2																37	37	38	28						
-1 / -3	1.9	1.9																29	30	37	17						
-3 / -5	1.4	1.1																20	23	22	33						
-5 / -7	2.8																	22	22	29	23						
-7 / -9	3.7																	29	29	29	27						
-9 / -11	4.0																	31	31	31	22						
-11 / -13	2.7																	21	21	21	16						
-13 / -15	4.0																	31	31	31	18						
-15 / -17	2.9																	23	23	23	32						
-17 / -19	2.7																	21	21	21	31						
-19 / -21	1.5																	12	12	12	26						
-21 / -23	2.8																	22	22	22	15						
-23 / -25	2.7																	21	21	21	24						
-25 / -27	1.0																	8	8	8	31						
-27 / -29	1.3																	10	10	10	34						
Element (X)	ΣX^2			ΣX			$\bar{X}$			σ^2			No. Obs.			Mean No. of Hours with Temperature											
Rel. Hum.																$\leq 0 F$ $\leq 32 F$ $\leq 67 F$ $\leq 73 F$ $\leq 80 F$ $\leq 93 F$ Total											
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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

USAFETAC

2

YEARS

PAGE 2

2620-2200
HOURS (L. S. T.)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-228 GALENA AFS AK 73-82 JAN 1960-1960
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1 1960-1960

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															
1 / 35				.1														1														1			
30 / 32			.5	.3														6														6			
27 / 31		.3	.4	.3														7														7			
24 / 30		.9	.5															11														11			
21 / 27		.9	1.1															15														15			
18 / 25	.5	1.5	.5															21														21			
15 / 23	.3	1.0	1.1															19														19			
12 / 21	.5	1.9																19														19			
9 / 19	1.3	4.2	2.0	.1														50														60	79	15	
6 / 17	.5	3.7	.3															36														36			
3 / 15	.5	3.0																28														28			
0 / 13	.9	1.5																19														19			
1 / 11	1.3	2.5																40														37			
1 / 9	.5	3.0																30														33			
1 / 7	.9	1.8																20														27			
1 / 5	.4	3.5																31														31			
1 / 3	1.3	2.9																33														33			
1 / 1	1.3	1.3																48														48			
1 / -1	3.5	1.3																40														41			
-1 / -3	1.5	2.2																30														37			
-1 / -5	1.8	.9																21														21			
-1 / -7	3.3																	26														26			
-1 / -9	5.2																	41														41			
-1 / -11	2.5																	20														20			
-1 / -13	1.9																	14														14			
-1 / -15	2.7																	21														21			
-1 / -17	2.7																	21														21			
-1 / -19	3.5																	28														28			
-1 / -21	1.5																	14														14			
-2 / -23	3.0																	24														24			
-2 / -25	2.3																	18														18			
-2 / -27	1.9																	15														15			
-2 / -29	.5																	5														5			
-2 / -31	.5																	4														4			
Element (X)	Σ X'	Σ X	X	Σ	No. Obs.	Mean No. of Hours with Temperature													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) 1-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7 220 JALENA AFS AK

73-62

JAN

STATION

STATION NAME

YEARS

MONTH

0158

2733-1100

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											
-33	1.1																	9	11	9	13											
-35	.5																	4	17	4	14											
-37	.4																	3	12	5	22											
-39																			16		23											
-41																			11		13											
-43																			12		5											
-45																			24		1											
-47																			11													
-49																			13													
-51																			7													
-53																			9													
-55																			1													
-57																																
-59																			3													
TOTAL	51.24	1.6	6.5	.8															739		789	789										

Element (X)	Σ X'	Σ X	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3563638	51834	65.714.421	780	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Dry Bulb	489997	-4505	-5.222.425	437	49.9	92.3					73	
Wet Bulb	198383	577	1.115.828	789	43.7	93.7					93	
Dew Point	299051	-5703	-7.218.289	789	57.8	93.3					93	

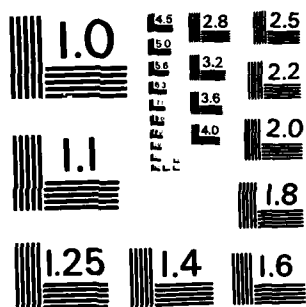
2

YEARS _____ MONTH JAN

73-62

PAGE 1 1255-1433
HOURS (L. S. T.)

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



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

2

4

112

HOURLS (L. S. T.)

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

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 100220 GALENA AFS AK STATION NAME 73-82 YEARS JAN 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 / 37			.1															1	1						
40 / 37			.1															1	1						
39 / 35		.1	.2	.1														4	4	1					
38 / 33			.2															2	2	3					
37 / 31		.4	1.2	.5														17	17	2					
36 / 27		.4	.8															10	10						
35 / 27		.6	.6	.4														13	13	12	3				
34 / 25	.5	.5	.4															11	11	22	1				
24 / 23	.2	.7	.6															13	13	9	14				
22 / 21	1.3	1.0	1.0	.1														25	25	22	8				
17 / 19	.7	4.1	2.0															57	57	33	21				
17 / 17	.6	3.4	.4															36	36	51	19				
17 / 15	.5	3.4																32	32	37	26				
18 / 13	.3	2.5																26	28	31	28				
17 / 11	2.3	2.5	.1															41	41	37	35				
17 / 9	1.6	2.5																34	34	41	46				
7 / 7	.7	1.4	.1															19	19	19	43				
6 / 5	.8	2.8																30	30	23	26				
6 / 3	1.4	3.6																42	42	50	24				
1 / 1	1.0	2.9																32	32	29	29				
1 / -1	4.0	1.7																47	47	46	12				
-1 / -3	2.4	1.8																35	35	46	31				
-4 / -5	1.3	1.7																25	25	15	22				
-6 / -7	4.5																	38	38	51	26				
-7 / -9	4.3																	36	36	36	33				
-7 / -11	2.5																	21	21	21	16				
-11 / -13	1.2																	10	10	10	22				
-14 / -15	2.5																	21	21	21	31				
-17 / -17	3.0																	25	25	25	37				
-18 / -19	2.6																	22	22	22	37				
-17 / -21	1.8																	15	15	15	33				
-22 / -23	2.4																	20	20	20	30				
-24 / -25	1.3																	11	11	11	24				
-26 / -27	1.7																	18	18	18	19				
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total				
Ref. Num.											$\leq 0 F$		$\leq 32 F$		$\leq 67 F$		$\leq 73 F$		$\leq 80 F$		$\leq 93 F$		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

PSYCHROMETRIC SUMMARY

7-2227 GALENA AFS AK
STATION STATION NAME

73-82

YEARS

JAN
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-220 GALINA AFS AK STATION NAME

73-82

YEARS

JAN
MONTH

PAGE 1 18-10-2000
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															
47/43				.1														1														1			
42/41				.2														2														2			
37/37																																		3	
32/33				.2														2														2			
27/31		.6	.6	.2														12														12			
22/22	.2	.7	.8															15														15			
17/27	.1	1.0	.8															16													16				
12/25	.1	.6	.4															9													9				
7/23	.1	1.3	.4															15													15				
2/21	.5	2.1	.6															27													27				
-3/19	.9	3.3	1.5															46													46				
-8/17	.1	3.0	.4															29													29				
-13/15	.5	5.1	.2															48													48				
-18/13	.5	3.0	.1															31													31				
-23/11	1.5	1.6																25													25				
-28/	2.4	2.7																42													42				
-33/7	.5	3.4																32													32				
-38/5	1.2	1.7																24													24				
-43/3	1.7	2.1																25													25				
-48/1	.5	2.8																27													27				
-53/-1	3.2	1.6																39													39				
-58/-3	2.3	2.1																36													36				
-63/-5	2.9	1.6																37													37				
-68/-7	3.8																	28													28				
-73/-9	2.9																	23													23				
-78/-11	3.6																	30													30				
-83/-13	2.3																	19													19				
-88/-15	3.9																	28													28				
-93/-17	3.3																	25													25				
-98/-19	3.2																	26													26				
-103/-21	2.2																	18													18				
-108/-23	1.3																	11													11				
-113/-25	1.5																	12													12				
-118/-27	2.3																	19													19				
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

7.220	SALENA AFS, AK
STATION	STATION NAME

73-82

YEARS

18
MONTH

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

[illegible]

2

CLIPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAG

PSYCHROMETRIC SUMMARY

7-22-73 STATION GALENA AFS AK STATION NAME 73-82 YEARS 195 MONTH JAN
PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
41			.4															3		3																
37																																				
33			.2	.4	.1													6		6																
31			.9	.5	.4													14		14																
27	.1	1.1	.5															14		14																
25	.2	.4	1.2	.4														18		18																
23	.2	1.2	1.0															20		20																
21		1.3	.1															12		12																
19	.2	1.2	.7															18		18																
17	.9	3.2	1.6															46		46																
15	.1	2.6	.5															26		26																
13	.2	3.8	.2															32		32																
11	1.1	1.9																24		24																
9	1.2	2.6																36		36																
7	1.1	3.1																34		34																
5	1.3	3.5																37		37																
3	.7	2.9																30		30																
1	1.7	1.6																27		27																
-1	.7	2.7																28		28																
-3	2.9	1.3																35		35																
-5	2.7	2.0																38		38																
-7	2.4	1.6																33		33																
-9	2.7	.1																23		23																
-11	4.3																	33		33																
-13	3.4																	28		28																
-15	2.3																	16		16																
-17	4.0																	33		34																
-19	2.2																	18		18																
-21	4.3																	35		36																
-23	1.7																	14		14																
-25	1.5																	12		12																
-27	1.7																	14		14																
-29	2.2																	23		23																
Element (X)	Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 8-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

2.

YEARS

JAN
MONTH

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

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

2

7-220
STATION

73-82

YEARS

MONTH

PAGE 1

HOURS (L. S. T.)

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

PSYCHROMETRIC SUMMARY

JAN
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STATION

STATION NAME

YEARS

MON T M

PAGE 2

ALL
HOURS (L.S.T.)

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

PSYCHROMETRIC SUMMARY

73-42

YEARS

FEB
MONTH

PAGE 1 ~~3000-0203~~
~~100-15870~~

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1-27	2.5																	19	19	19	7			
1-29	3.5																	26	26	26	26			
1-31	2.8																	21	21	21	21			
1-33	3.2																	24	24	24	24			
1-35	.9																	7	15	7	39			
1-37																			23		39			
1-39																			14		27			
1-41	.1																	1	11	1	21			
1-43																			17		15			
1-45																			14		15			
1-47																			17		4			
1-49																			1		1			
1-51																			4		3			
1-53																			1					
TOTAL	57.9	32.6	6.5																739	46	739			

2

73-82

YEARS

FEF
MONTH

PAGE 1 ~~7400-2549~~
HOURS 11.3.4.1

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					
4 / 5			.1															1	1						
5 / 37			.3															2	2	1					
6 / 35				.7														5	5	2					
15 / 23			.3	.4														5	5	1					
22 / 31		1.1	1.3															17	17	5					
27 / 29			.3	1.8														15	15	13					
27 / 27	.4	1.5	.4															17	17	14					
27 / 25	.4	.7	.3															10	10	14					
27 / 23		.3	.6															6	5	4					
27 / 21		1.7	.1															13	13	7					
27 / 19	.1	1.3	.4															13	13	26					
27 / 17		2.4	.6															21	21	12					
17 / 15	.6	2.9	.1															27	27	2					
17 / 13		2.1																15	15	22					
17 / 11	.7	1.1																13	13	10					
17 / 9	.1	2.7																20	20	15					
17 / 7	.5	1.1																12	12	22					
17 / 5	1.4	2.2																26	26	16					
17 / 3	.6	1.7																16	16	21					
17 / 1	1.3	4.2																39	39	23					
17 / -1	4.1	1.5																36	36	20					
17 / -3	1.5	1.3																22	22	18					
17 / -5	1.7	1.7																24	24	25					
17 / -7	2.4																	17	17	15					
17 / -9	4.3																	31	31	26					
17 / -11	3.2																	23	23	12					
17 / -13	2.5																	20	20	4					
17 / -15	3.9																	28	28	24					
17 / -17	2.7																	19	19	36					
17 / -19	5.3																	36	36	30					
17 / -21	3.6																	26	26	21					
27 / -23	2.7																	19	19	21					
27 / -25	3.5																	25	25	22					
27 / -27	3.1																	22	22	15					
Element (X)	Σx^1	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

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YEARS

FEE
MONTH

PAGE 2 2300-2500
HOURS (L. S. T.)

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 1220 GALENA AFS AK STATION NAME 73-P2 YEARS MONTH FEB

PAGE 1 2630-2800 HOURS (L. T. 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															
37			.3															2	2																
35			.1	.9														7	7																
33				.3														2	2	3	1														
31			.1	1.3														10	10	4	2														
29			.7	2.0														19	19	4															
27	.4	2.1	.1															19	19	16	4														
25	.3	.1	.6															7	7	32	7														
23	.1	.1	.6															6	6	3	3														
21	.3	1.7	.3															16	16	12	11														
19	.3	1.6	.7															18	18	16	32														
17	.3	1.6	.9															19	19	16	6														
15	.1	2.7																20	20	16	13														
13	.4	2.3																17	17	31	19														
11	.3	2.0																16	16	12	15														
9	.7	1.8																19	18	19	18														
7	.3	2.0																16	16	17	13														
5	.7	1.1																13	13	19	25														
3	.4	1.6																19	19	13	18														
1	1.1	4.7																41	41	31	19														
-1	2.1	1.3																24	24	34	7														
-3	1.6	1.8																24	24	27	14														
-5	2.7	1.4																29	29	26	25														
-7	3.8																	27	27	36	22														
-9	3.3																	27	27	27	23														
-11	3.3																	23	23	23	10														
-13	2.7																	19	19	19	19														
-15	3.1																	22	22	22	29														
-17	3.7																	26	26	26	33														
-19	2.3																	16	16	16	29														
-21	3.1																	22	22	22	28														
-23	5.1																	36	36	36	16														
-25	3.8																	27	27	27	17														
-27	3.3																	23	23	23	20														
-29	3.1																	22	22	22	15														
Element (X)	Σ X					Σ X					Σ X					Σ X					Σ X					Σ X									
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AND WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 CALENA AFS AK

73-67

FFB
MONTH

PAGE 7 7600-3800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
1/-01	2.3																	16	16	15	23							
2/-33	3.7																	25	28	29	42							
3/-35	1.4																	17	23	14	14							
4/-37																			21		37							
5/-39																			15		33							
6/-41																			20		31							
7/-43																			18		21							
8/-45																			17		11							
9/-47																			17		7							
10/-49																			17									
11/-51																												
12/-53																												
13/-55																												
14/-57																												
TOTAL	61.23	1.2	7.5															704	445	124	734							
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.	2916865		44281		62.913.683		704		846		55.7		82.9		59.7		83.9		59.7		83.9		59.7		83.9			
Dry Bulb	512432		-8660		-17.222.399		846		55.7		82.9		59.7		83.9		59.7		83.9		59.7		83.9		59.7			
Wet Bulb	238850		-3130		-4.417.888		704		52.3		83.9		59.7		83.9		59.7		83.9		59.7		83.9		59.7			
Dew Point	913738		-9482		-13.520.171		704		59.7		83.9		59.7		83.9		59.7		83.9		59.7		83.9		59.7			

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

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— 3 —

73-82

YEARS

FEB
MONTH

PAGE 1 ~~2922-11-0~~
HOURS 11.5.57

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

2

YEARS

73-62

554

PAGE 7 1988-11-10
NOV 11 1988

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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/-35	2.3																																	17	17	17	25
1/-35	2.7																																5	20	5	27	
1/-37																																			21		43
1/-39																																			22		46
1/-41																																			12		24
1/-43																																			8		18
4/-45																																			17		9
4/-47																																			16		1
4/-49																																			4		
1/-51																																			9		
1/-53																																			3		
4/-55																																			2		
TOTAL	61.5	32.3	6.2																																727	727	727
																																				727	727

Element (X)	ΣX'	ΣX	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7622563	45911	63.113	679	727	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≤ 93 F	
Dry Bulb	455642	-7412	-9.921	503	846	59.7	83.2					84
Wet Bulb	232104	-2990	-4.017	416	727	51.9	83.7					84
Dew Point	405703	-9505	-13.119	689	727	60.9	84.0					84

2

73-62

YEARS

EE
MONTH

PAGE 1 ~~1207-140~~

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

PSYCHROMETRIC SUMMARY

7220	GALENA AFS AK
STATION	STATION NAME

73-82

YEARS

FEB
MONTH

PAGE 2 1200-1421
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											
1/-33	1.2																		10	17	13	27									
34/-35	.4																		5	12	5	31									
1/-37																				7		30									
1/-39																				4		14									
1/-41																				7		14									
2/-43																				5		11									
4/-45																				4		4									
1/-47																				1		2									
1/-49																				1		1									
TOTAL	4.5	36.2	8.6	.7																87	807	807									
																						87	807	807							
Element (X)	Σ X'	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																									
Rel. Hum.	3153959	49335	61.113	281	807	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb	312767	-2171	-3.619	567	846	46.4	81.3					84																			
Wet Bulb	230442	-1326	-1.616	829	807	46.7	82.9					84																			
Dew Point	391171	-9283	-11.318	934	807	59.5	84.7					84																			

PSYCHROMETRIC SUMMARY

1. 22 STATION GALENA AFS AK STATION NAME

73-62

YEARS

FEB
MONTH

PAGE 1 ~~1504-1740~~
~~1043-1740~~

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															
4 / 30			.1	.1														2	2																
7 / 32			.1															1	1																
7 / 35		.1	.1															2	2	1															
3 / 23		1.0	1.0															23	23	7	1														
7 / 31		1.1	1.1															18	18	9															
7 / 29		.6	.8	.4														15	15	22	3														
7 / 27	.4	.4	1.3	.1														15	15	17	6														
2 / 25		1.2	1.6															23	23	15	15														
2 / 23		.2	1.4															14	14	22	9														
2 / 21		1.2	.6															15	15	17	10														
7 / 19		1.6	.2															15	15	24	17														
1 / 17	.4	2.5	1.0															32	32	14	11														
1 / 15		1.2	.7															16	16	27	21														
2 / 13	.5	2.2	.4															26	26	17	29														
1 / 11	.6	2.6																27	27	30	12														
1 / 9	.5	2.5	.1															27	27	30	22														
7 / 7	.2	4.3	.4															41	41	26	19														
7 / 5	.4	3.6																28	28	44	19														
7 / 3	.6	4.7																44	44	35	28														
7 / 1	.5	3.2																30	30	42	31														
- / -1	2.0	.7																23	23	32	24														
- / -3	2.0	.7																23	23	25	22														
- / -5	1.7	1.6																27	27	20	25														
- / -7	3.6																	30	30	41	25														
- / -9	4.3																	36	36	36	17														
- / -11	4.6																	38	38	38	28														
- / -13	3.2																	27	27	27	28														
- / -15	4.7																	39	39	39	25														
- / -17	4.4																	37	37	37	27														
- / -19	3.7																	31	31	31	34														
- / -21	2.5																	21	21	21	32														
- / -23	2.5																	21	21	21	34														
- / -25	1.7																	16	16	16	37														
- / -27	2.6																	22	22	22	32														
Element (X)	Σ X'	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

2

2

YEARS

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-62 GALENA AFS AK STATION NAME

73-62

YEARS

FEA NORTH

PAGE 1 1600-2200 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																
7 / 37			.4																														3	3		
7 / 35			.1																														1	1		
3 / 33			1.2	.4																												13	13	8		
7 / 31			1.1	1.1	.1																												18	19	7	5
7 / 29			.9	1.1	.2																												18	19	12	6
7 / 27	.1	.7	.6																														12	12	17	4
7 / 25	.1	.4	.7																														10	17	18	12
7 / 23		.5	.6																														9	9	12	7
2 / 21	.1	1.5	.2																														15	15	13	7
7 / 19	.1	2.5	.6																														26	26	21	14
7 / 17	.1	2.7	.6																														28	28	25	16
7 / 15		2.1	.2																														19	19	22	13
7 / 13	.5	1.2	.1																														15	15	25	29
7 / 11	.7	2.1	.1																														24	24	14	15
7 / 9	.4	2.5																															23	23	27	14
7 / 7	.1	3.5																															29	29	26	19
7 / 5	.6	2.1																															22	22	25	20
7 / 3	1.7	4.4																															50	53	43	24
7 / 1	.9	5.4																															47	47	48	32
7 / -1	2.2	1.2																															36	36	44	25
7 / -3	2.3	.9																															26	26	33	16
7 / -5	1.2	.5																															14	14	14	25
7 / -7	1.7	.1																															15	15	16	22
7 / -9	2.7																																22	22	22	22
7 / -11	4.0																																32	32	32	32
7 / -13	2.3																																23	23	23	22
7 / -15	3.1																																25	25	25	27
7 / -17	4.9																																40	40	40	43
7 / -19	3.3																																31	31	31	23
7 / -21	4.2																																32	32	32	19
7 / -23	3.6																																29	29	29	27
7 / -25	2.8																																24	24	24	26
7 / -27	2.2																																18	18	18	26
7 / -29	3.3																																27	27	27	42
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ^2		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

2

:

YEARS

FE
MONTH

PAGE 2 1000-2000
HOURS (L. S. T.)

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

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAO

7 220 SALENA AFS AK 73-82 YEARS 21-22-23-24
STATION STATION NAME MONTH MONTH
PAGE 7 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	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			
/-31	2.1																	18	16	16	20			
/-33	2.6																	22	20	20	26			
3/-35	1.3																	10	22	19	32			
/-37																			18		30			
/-39																			3		29			
/-41																			10		23			
/-43																			3		17			
4/-45																			3		11			
4/-47																			3		5			
4/-49																			5		1			
/-51																								
TOTAL	63.232.9	6.6	.4																773	96	773			

GLOBAL CLIMATOLOGY BRANCH
 METAC
 ALL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-222	DALENA AFS AK	73-82	FEB
STATION	STATION NAME	YEARS	MONTH

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

[illegible]

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

PSYCHROMETRIC SUMMARY

73-62

55

PAGE 2

ALL
HOURS 11, 5, 7.

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				
1/-27	2.9																	175	173	178	165			
1/-29	2.9																	170	171	170	245			
1/-31	1.9																	119	119	119	173			
1/-33	2.3																	140	147	140	223			
2/-35	.9																	56	135	56	23			
1/-37																			135		266			
1/-39																			89		204			
1/-41	.3																		27		171			
1/-43																			73		104			
4/-45																			71		75			
1/-47																			56		25			
1/-49																			35		3			
1/-51																			2		5			
1/-53																			13					
4/-55																			5					
1/-57																			1					
TOTAL	54.134	0	7.6	.3															6108	6763	6108			

Element (X)	Σ x'	Σ x	Σ	c _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2462.666	378586	62.713.753		6108	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3175609	-40983	-6.120.799		6763	434.2	658.8					576
Wet Bulb	1906106	-16472	-7.317.466		6108	390.7	666.5					672
Dew Point	3303272	-75630	-12.419.086		6108	476.3	671.1					672

2

73-82

YEARS

 MAY
MONTH

PAGE 1 ~~2000-0200~~
HOURS (L. S. T.)

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 CALENA AFS AK
STATION

73-62

YEARS

MAR
MONTH

PAGE 2 7020-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7/-33	.2																	2	2	2	2	
3 7/-35	.2																	2	5	2	13	
7/-37																					11	
7/-39																					4	
7/-41																					12	
7/-43																					5	
47/-45																					1	
TSL	47.14	1.6	8.9	1.8	.5															926	926	

2
 SIGNAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10-220 STATION GALENA AFS AM 73-82 YEARS 1982 MONTH MAY

PAGE 1 0300-0500
 HOURS (L. T. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL O.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																
37			.2															21	2																	
35			.3															3	3																	
33		.7	.5															14	14	5																
31		.3	.5	.5														13	13	6	6															
29		.4	.5	.5														14	14	9	3															
27		1.0	1.3	.5														26	26	10	2															
25		.9	1.1	.3														21	21	22	5															
23	.7	2.5	.2															32	32	51	1															
21	.7	2.0	.5															19	20	75	27															
19	1.0	2.5	1.1															46	46	35	34															
17	1.3	1.5	.5															36	36	42	5															
15	.4	3.2	.4															37	37	26	39															
13	1.5	2.1																33	33	46	31															
11	.7	.9																16	16	28	37															
9	.3	2.5																30	30	17	41															
7	.1	3.3	.1															32	32	27	30															
5	.5	3.3																35	35	35	14															
3	.3	3.5																30	30	40	17															
1	.4	3.1																32	32	37	25															
-1	1.2	.9																19	19	23	25															
-3	1.6	1.8																31	31	29	14															
-5	2.2	2.5																44	44	39	37															
-7	3.2	.1																30	30	45	24															
-9	3.8																	31	31	31	13															
-11	5.2																	47	47	47	29															
-13	3.2																	27	27	27	21															
-15	3.7																	34	34	34	26															
-17	3.4																	31	31	31	30															
-19	2.9																	26	26	26	48															
-21	1.6																	16	16	16	39															
-23	1.6																	15	15	15	43															
-25	2.4																	22	22	22	34															
-27	1.5																	14	14	14	37															
-29	.9																	8	8	8	24															
Element (X)	Z _X ¹	Z _X	X	X _s	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 34-1A 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

YEARS

4 Q 2

MONTH

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

2
JUN 22 1950
JUN 22 1950
JUN 22 1950

PSYCHROMETRIC SUMMARY

STATION NAME: WALENA AFB AK STATION: 73-82 YEARS: MAR MONTH: 0600-0800 HOURS (L. S. T.)

PAGE 1

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															
35		.1	.3	.3														7			7														
33		.6	.7	.1	.2													14			14														
31		.3	.2	.4														12			12														
29		.4	.5	.1														13			13														
27		.4	.7	.8														17			17														
25		1.8	1.2	.4														31			31														
23	.9	1.5	.1															22			22														
21	1.4	1.4	.8															33			33														
19	1.5	3.2	.7															47			47														
17	1.2	2.8	.6															41			41														
15	.9	2.9	.4															37			37														
13	.3	1.5																17			17														
11	1.2	1.9	.2															50			50														
9	.3	2.2	.2															27			27														
7	.4	3.2																33			33														
5	1.2	2.3																37			37														
3	.9	1.9																25			25														
1	1.2	3.4																42			42														
-1	1.7	.4																19			19														
-3	1.5	1.3																29			29														
-5	2.3	2.5																44			44														
-7	3.1																	28			28														
-9	1.7																	29			29														
-11	5.3																	48			48														
-13	3.9																	35			35														
-15	3.6																	33			33														
-17	3.4																	31			31														
-19	2.4																	22			22														
-21	1.2																	17			17														
-23	2.2																	20			20														
-25	2.6																	24			24														
-27	1.5																	14			14														
-29	1.8																	15			15														
-31	1.3																	12			12														
Element (X)	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Σ H	Mean No. of Hours with Temperature																	
Rel. Hum.																		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total											
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

2

1

4 2 2
MONTH

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1/-33	1.1																	10	17	17	22				
3/-35	.5																	5	9	9	17				
7/-37																			7		26				
1/-39																			3		17				
7/-41																			6		6				
27/-43																			3		7				
47/-45																					2				
47/-47																					1				
1 TSL	54.4	35.7	6.6	2.5	.2														907	907	907				

PSYCHROMETRIC SUMMARY

7 1220 SALINA AFB AK
STATION STATION NAME

73-82

YEARS

MAC
MONTH

PAGE 1 ~~00-30-11-5~~
HOMER

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															
/ 31			.1	.4	.6													11	11																
3 / 33			.5	.5	.6	.3												19	19	3	3														
/ 31			.5	.9	1.2													24	24	3	3														
/ 29	.1	.5	1.3	.5														23	23	21	4														
/ 27	.1	1.0	1.1	.5														25	25	22	4														
/ 25	.1	2.5	1.1	.1														35	35	40	7														
/ 23	.4	1.6	.6															25	25	40	11														
2 / 21	1.0	2.9	1.3															48	48	37	22														
/ 19	1.4	2.6	1.3															49	49	54	35														
1 / 17	.6	1.7	.6															29	29	37	36														
1 / 15		2.4	.3															25	25	24	35														
1 / 13	.4	1.8	.5															26	26	30	36														
1 / 11	.2	1.5	.6															23	23	24	43														
1 / 9	.5	4.5	.2															49	49	32	19														
/ 7	.9	3.5																40	40	57	59														
/ 5	.3	2.1																22	22	31	23														
/ 3	.3	4.3																43	43	26	34														
/ 1	.5	3.2																33	33	47	38														
/ -1	3.0	2.3																53	53	46	17														
- / -3	1.7	2.4																38	38	55	30														
- / -5	2.9	1.7																43	43	35	27														
- / -7	3.2																	30	30	42	34														
- / -9	4.1																	38	38	25	25														
- / -11	3.5																	32	32	32	42														
- / -13	2.7																	25	25	25	35														
- / -15	2.6																	24	24	24	44														
- / -17	2.5																	23	23	23	41														
- / -19	.3																	8	8	8	33														
- / -21	.9																	8	8	8	49														
- / -23	2.1																	19	19	19	33														
- / -25	1.1																	10	10	10	29														
- / -27	.6																	6	6	6	20														
- / -29	.3																	7	7	7	12														
- / -31	.3																	7	7	7	19														
Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0\text{ F}$	$\leq 32\text{ F}$	$\approx 67\text{ F}$	$\approx 73\text{ F}$	$\approx 80\text{ F}$	$\approx 93\text{ F}$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

MAE
MONTH

PAGE 2 2900-11
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
2/-33	0.5																	5	5	5	5	
3/-35																			1		9	
4/-37																			3		6	
5/-39																			1		4	
6/-41																					1	
7/-43																					2	
8/-45																					1	
TOTAL	41.24	3.91	1.00	3.7	0.3													925	927	075	925	

PSYCHROMETRIC SUMMARY

YEARS

MA
MONTH

PAGE 1 ~~1210-145~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4 / 3				.1	.2																													3	3	
5 / 32				.2	.3																													10	10	
6 / 35			.3	.5	.8																													18	18	1
3 / 33		.3	1.4	1.2																														30	30	15
7 / 31		.5	1.9	2.7																														47	47	17
8 / 28	.1	.8	2.6	1.1																														42	42	31
9 / 27	.2	1.4	1.7	.9																														31	31	43
10 / 25	.2	2.7	1.3	.5																														44	44	71
11 / 23	.3	1.9	1.9	.3																														42	42	82
12 / 21	.5	1.2	2.2	.6																														45	45	96
13 / 18	.7	1.7	1.9	.1																														37	37	107
14 / 17	.1	1.6	1.1																															26	26	118
15 / 15	.1	1.9	1.9																															37	37	129
16 / 13	.4	2.3	1.6																															40	40	140
17 / 11	.8	3.3	1.4																															46	46	151
18 / 9		2.6	1.3																															45	45	162
19 / 7	.2	4.1																																40	47	173
20 / 5	.1	4.5																																43	43	184
21 / 3	.3	4.8																																48	48	195
22 / 1	.2	5.1																																49	49	206
23 / -1	3.0	1.6																																45	45	217
24 / -3		2.7																																32	32	228
25 / -5	.5	1.8																																22	22	26
26 / -7	2.3	.2																																23	23	31
27 / -9	1.7																																	16	16	47
28 / -11	1.1																																	13	13	51
29 / -13	1.7																																	9	9	58
30 / -15	1.5																																	14	14	62
31 / -17	1.2																																	11	11	27
32 / -19	1.1																																	10	10	32
33 / -21	1.7																																	9	9	29
34 / -23	.4																																	4	4	17
35 / -25																																				17
36 / -27	.1																																			
Element (X)	Σ X'		Σ X		X		σ _x		No. Obs.		Mean No. of Hours with Temperature										TOTAL															
Rel. Hum.											≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total													
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

73-82

YEARS

MAR
MONTH

PAGE 2 1200-1400
HOURS 11. 3. 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				
1-29																									
1-31																					12				
1-33																					4				
1-35																					4				
1-37																					1				
1-39																					1				
TOTAL	16.34	2.72	2.3	0.3	0.0													929	929	929	929				

Element (K)	Σ x'	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3307258	53989	52.7	13.999	929	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	3276.0	11248	12.1	14.362	929	27.5	86.9					93
Wet Bulb	256200	9406	10.1	13.199	929	22.8	91.9					93
Dew Point	221875	-337	-0.4	15.458	929	45.3	93.0					93

PSYCHROMETRIC SUMMARY

YEAR
MONTH

PAGE 1 ~~1577-1770~~
NOTES 1577-1770

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											
42 / 41				.3	.1													4	4												
41 / 39				.5	.1													6	6												
40 / 37		.2	.1	.8	.5													15	15												
39 / 35		.1	.6	1.1	.5													22	22	7											
38 / 23		.4	1.3	1.9	1.0													43	43	6											
37 / 31		1.1	1.3	2.6	.5													51	51	2											
36 / 27	.3	.8	2.0	.9														37	37	39											
35 / 27		2.0	1.4	.6														38	38	56											
34 / 25	.1	2.2	1.7	1.0														46	46	63											
33 / 23		.4	2.0	2.3	.4													48	48	53											
32 / 21	.8	1.7	1.3	.9														43	43	54											
31 / 19	.1	1.3	2.2	.1														34	34	39											
30 / 17	.1	1.7	3.1															46	46	70											
29 / 15		2.0	1.8															36	36	43											
28 / 13	.3	3.2	1.7															49	49	50											
27 / 11		3.9	.8															43	43	39											
26 / 9		4.4	1.0															50	50	52											
25 / 7	.1	7.8																78	78	55											
24 / 5	.2	3.2																32	32	77											
23 / 3		2.8																26	26	33											
22 / 1	.1	5.4																51	51	35											
21 / -1	1.7	.8																23	23	52											
20 / -3	.2	1.4																20	20	72											
19 / -5	.2	1.9																20	20	16											
18 / -7	1.4	.2																15	15	24											
17 / -9	1.4																	13	13	13											
16 / -11	.2																	8	8	6											
15 / -13	1.4																	13	13	13											
14 / -15	.5																	5	5	5											
13 / -17	.8																	7	7	7											
12 / -19	.6																	6	6	6											
11 / -21	.6																	6	6	6											
10 / -23																															
9 / -25																															
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																															

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

GLOBAL CLIMATOLOGY BRANCH
METAC
U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220	GALENA AFS AK
STATION	STATION NAME

73-42

YEARS

492
MONTH

PAGE 2 15.0-17.0
HOURS 11.5. T.

[illegible]

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

222 CALONA AFS AK 73-82 YEARS MONTH

0807 1 1300-2000 HOURS (L.S. 9)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
41				.5	.1													4		4															
39				.1														1		1															
37				.5	.2													5		5															
35			.3	.2	.1	.2												15		15															
33				.9	1.4	.4												1		1															
31			1.1	1.6	2.4	.2												48		48															
29		.2	1.2	2.7	.5	.1												79		79															
27		.2	1.4	1.3	.5													12		12															
25		.2	2.5	1.9	.3													49		49															
23		.2	1.8	1.4	.2													34		34															
21	1.1	1.9	1.9	.5														51		51															
19		.5	3.3	1.9														11		11															
17		.1	1.5	1.8														72		72															
15		.2	1.5	2.1														35		35															
13		.4	2.9	.5														75		75															
11		.6	3.2	.8														43		43															
9		.2	3.5	.9														45		45															
7			5.9	.1														55		55															
5		.5	4.5															47		47															
3		.3	4.3															43		43															
1		.3	4.5															45		45															
-1	2.3	1.7																37		37															
-3		2.7																32		32															
-5		.5	1.2															17		17															
-7	1.7	.1																17		17															
-9	1.6																	15		15															
-11	1.3																	12		12															
-13	1.2																	15		15															
-15	1.4																	17		17															
-17	.4																	4		4															
-19	.9																	3		3															
-21	1.1																	13		13															
-23	.4																	4		4															
-25	.1																	1		1															
Element (X)	Z _g	Z _x	X	P _s	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 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

METEOROLOGICAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1. 221 JALISA AFB AK 73-82 486
STATION STATION NAME YEARS MONTH
1210-1220
HOURS (L.S.T.)

Temp. (F)	WEY BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
/-27	.1																	1	1	1		
/-29																						
/-31																						
/-33																						
/-35																						
/-37																						
TOTAL	10.7	52.3	17.4	7.1	1.7														970	931	970	

Element (X)	ΣX'	ΣX	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3405545	54593	59.71	14.912	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	316676	11282	12.11	3.912	930	18.9	89.4					93
Wet Bulb	249928	9509	10.21	2.522	930	20.9	92.1					93
Dew Point	218010	-116	-0.115	3.18	930	47.9	93.7					93

GLOBAL CLIMATOLOGY BRANCH
METAC
A WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72	DALESA AFS AK	73-82	MAR
STATION	STATION NAME	YEARS	MONTH

PAGE 1 ~~2122-2345~~
~~Ref: 10-15~~

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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 / 5				.1																													1	1		
1 / 31				.2																													2	2		
1 / 35				.3	.1																												4	4	3	
1 / 33			.3	.4	.2	.2																											11	11	5	
1 / 31		1.0	.8	1.4	.2																												31	31	1	5
1 / 25	.4	.3	1.4	.8																													27	27	18	3
1 / 27	.1	1.4	1.2	.6																													31	31	17	8
1 / 25	.5	2.5	1.5	.3																													45	45	52	11
1 / 23	.1	1.2	1.0	.1																													22	22	51	7
1 / 21	1.1	3.1	1.5	.1																													53	53	46	24
1 / 15	1.3	2.0	1.7																														56	56	58	33
1 / 17	.3	2.8	.6																														35	35	34	43
1 / 15	.3	1.2	.6																														21	21	35	45
1 / 13	.3	2.5	.5																														31	31	18	36
1 / 11	1.2	2.0	.6																														34	34	38	43
1 / 9	.5	2.7	.1																														21	31	32	34
1 / 7	.2	4.6																															45	45	37	29
1 / 5	.2	2.6																															26	26	48	13
1 / 3	1.3	4.9																															57	57	45	19
1 / 1	1.1	4.2																															45	55	62	33
1 / -1	2.2	2.3																															36	38	37	37
1 / -3	1.7	2.8																															42	42	47	41
1 / -5	2.0	2.0																															38	38	39	45
1 / -7	2.8	.2																															28	28	41	39
1 / -9	2.9																																27	27	37	40
1 / -11	3.1																																29	29	29	31
1 / -13	2.5																																24	24	24	25
1 / -15	1.1																																9	9	9	35
1 / -17	1.4																																13	13	13	37
1 / -19	1.4																																13	13	13	35
1 / -21	1.7																																16	16	16	33
1 / -23	1.1																																10	10	10	35
1 / -25	.6																																7	7	7	29
1 / -27	1.1																																10	10	10	16
Element (X)	Σ X'		Σ X		X		C _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																																				

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

USAFETAC

2

1. 220	SALENA AFB AK	75-82	MB:
STATION	STATION NAME	YEARS	MONTH
			PAGE 2
			2170-2700
			HOURS (L.S.T.)

USAFETAC
FORM
JUL 84
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

METEOROLOGICAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE
 AIR WEATHER SERVICE/DAC

PSYCHROMETRIC SUMMARY

STATION STATION NAME

73-82

YEARS

5. A MONTH

343-1

NO. 115

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1 / 41						.1	.1																										3	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1 / 39					.1	.1	.1	.1																									11	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1 / 37				.1	.1	.1	.1	.1																									37	37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1 / 35			.1	.1	.1	.1	.1	.1																									53	53	14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
3 / 33			.1	.1	.1	.1	.1	.1																									155	165	54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 31		.1	.1	.1	.1	.1	.1	.1																									244	244	66																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 29	.1	.1	.1	.1	.1	.1	.1	.1																									209	209	172																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
2 / 27	.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																									231	231	216																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 25	.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1																									298	298	353																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 23	.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1																									246	246	357																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
2 / 21	.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1																									341	341	365																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 19	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1																									375	375	375																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 17	.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1																									202	202	295																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 15	.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1																									266	266	315																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 13	.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1																									250	250	273																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 11	.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1																									266	266	281																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 9	.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1																									296	296	272																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 7	.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1																									372	372	270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 5	.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1																									257	257	270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 3	.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1																									316	316	236																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / 1	.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1																									359	359	285																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																									260	260	317																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -3	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1																									257	257	298																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																									271	271	234																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -7	2.1	.1	.1	.1	.1	.1	.1	.1																									204	204	263																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -9	2.1	.1	.1	.1	.1	.1	.1	.1																									200	200	251																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -11	3.1																																270	270	279																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -13	2.1																																162	162	241																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -15	2.1																																156	156	263																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -17	1.1																																160	160	257																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -19	1.1																																116	116	321																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -21	1.1																																99	99	274																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
2 / -23	1.1																																93	93	230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1 / -25	1.1																																73	73	218																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ</	

PSYCHROMETRIC SUMMARY

73-82

465
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

42
MONTH

PAGE 1 ~~7377-5230~~
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															
4/ 43			.1	.1														2	2																
2/ 41			.1	.3	.4													8	8																
4 / 39			.7	.3	.4	.1												14	14	3															
2 / 37	.1	.9	2.8	1.6														45	49	12															
1 / 35	.3	1.1	3.2	.9														50	57	21															
3 / 33	.1	1.8	2.9	.7														45	49	52															
2 / 31	.3	4.5	2.7	.6														66	63	53															
2 / 29	.1	2.1	3.3	.5														58	58	59															
1 / 27	.1	2.6	1.6	.4														37	37	47															
1 / 25		2.4	3.2	.5														59	59	56															
2 / 23	.1	1.4	1.9	.9														38	38	49															
2 / 21	.3	1.2	2.4	.8														43	43	55															
1 / 19	.2	3.8	2.7	.8														73	73	56															
1 / 17	.1	2.5	1.4	.1														41	41	54															
1 / 15		3.7	1.6															49	49	52															
1 / 13	.4	2.6	.7															35	35	54															
1 / 11	.4	2.6	.1															26	29	78															
1 / 9	.4	3.2																33	33	40															
1 / 7	.5	1.9																21	1	31															
1 / 5	.4	2.2																20	1	18															
1 / 3	.3	1.5																19	19	27															
1 / 1		2.7																24	24	19															
1 / -1	1.4	.2																15	15	23															
-1 / -3	1.3	.8																19	19	16															
-1 / -5	.2	.3																10	17	12															
-1 / -7	1.2	.1																12	12	12															
-1 / -9	.9																	6	9	6															
-1 / -11	.5																	7	7	7															
-1 / -13	.5																	5	5	5															
-1 / -15	.3																	3	3	3															
-1 / -17	.2																	2	2	2															
-1 / -19	.1																	1	1	1															
-1 / -21																																			
-1 / -23																																			
Element (X)	Σ X'	Σ X	X	°A	No. Obs.	Mean No. of Hours with Temperature					≤ 0 F	≤																							
Rel. Hum.											≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

PSYCHROMETRIC SUMMARY

1 221 JULENA AFU AX

73-82

LD_n

STATION

STATION NAME

YEARS

WOMEN

PAGE -

2020-222
HOURS (L. S. T.)

[illegible]

2

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

STATION DALENA AFB AK STATION NAME 73-80 YEARS APR MONTH 03

PAGE 1 0320-05
 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																					
1 / 45			.1																														1	1							
4 / 43			.2																														2	2							
7 / 41				.4	.2																												6	5		1					
10 / 39				.4	.1	.2																										7	7								
13 / 37				1.4	1.1	.6	.1																										31	31							
16 / 35		.3	.8	1.3	.6																												27	27	18	4					
19 / 33			1.4	3.4	.0																												51	51	29	9					
22 / 31		.3	4.4	1.0	.4																												63	63	20	2					
25 / 29		.4	2.3	2.6	1.0																												57	57	75	17					
28 / 27		.2	2.4	1.6	.4																												42	42	46	25					
31 / 25		.1	3.2	2.0	.1																												49	49	57	64					
34 / 23		.2	1.8	1.4	.1																												32	32	52	27					
37 / 21		.2	2.3	1.0	.9																												46	46	47	26					
40 / 19		.3	4.3	1.7	.1																												55	55	43	60					
43 / 17		.2	2.5	1.6																													41	41	46	43					
46 / 15		.3	3.0	1.2																													47	47	40	46					
49 / 13		.2	4.1	.0																													46	46	44	37					
52 / 11		.5	2.7	1.2																													38	38	62	33					
55 / 9		.6	3.6	.4																													41	41	43	35					
58 / 7		.5	2.4																														27	27	42	45					
61 / 5		.3	2.3																														28	28	27	33					
64 / 3		.3	2.1																														22	22	31	34					
67 / 1		.0	3.0																														34	34	31	51					
70 / -1		1.7	.1																														16	16	27	36					
73 / -3		1.0	.4																														13	13	13	30					
76 / -5		1.3	.1																														13	13	16	28					
79 / -7		1.2																															11	11	11	30					
82 / -9		1.6																															14	14	14	23					
85 / -11		1.2																															11	11	11	31					
88 / -13		1.2																															11	11	11	13					
91 / -15		.6																															5	5	5	7					
94 / -17		.3																															3	3	3	14					
97 / -19		.2																															2	2	2	9					
100 / -21		.7																															6	6	6	12					
Element (X)	2 X'	2 X	X	X'	No. Obs.	Mean No. of Hours with Temperature																																			
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

USAFETAC

2

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/AL

PSYCHROMETRIC SUMMARY

22. JALLA AFB AK
 STATION STATION NAME

73-87
 YEARS

MONTH

PAGE 1 0470-0500
 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	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
1/-23																																						11
1/-25	.2																		2	2	2															3		
1/-27																																					4	
1/-29																																					1	
1/-31																																					3	
1/-33																																					3	
TOTAL	17.352	2.124	6.9	5.6	.1														900	900	900															900		

2

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AA 44

PAGE 1 ~~7-75-28-20~~
HOURS 7. 8. 9.

[illegible]

GENERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22	SALEWA AFS AK
STATION	STATION NAME

73-62

YEARS

AD 3
MONTH

PAGE 7 0600-2500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
7/-23	.3																	1	3	5	4						
7/-25	.1																	1	1	1	4						
7/-27																					4						
7/-29																					4						
7/-31																					3						
7/-33																					1						
TOTAL	15.4	48.3	27.6	7.8	.5													500	900	900	900						

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 222 LALENA AFS AK STATION NAME

73-82 YEARS

APR MONTH

PAGE 1 0500-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
51								.1										1														1				
49								.2										5														5				
47								.3										7														7				
45								.4										8														8				
43			.1	.3	.5	.7												17														17	1			
41			.1	.5	1.2	.3												29														29	12			
39			.3	1.3	2.4	.7												43														43	10			
37	.1	.4	1.8	3.6	.2													65														65	29			
35	.1	.9	2.3	1.9														47														47	41			
33		.4	1.9	1.9	.3													41														41	56			
31		1.3	3.2	2.6	1.7													73														73	61			
29	.2	1.2	2.4	1.3	.4													51														51	47			
27	.1	2.5	2.4	1.2	.4													56														56	51			
25		1.6	1.9	.8	.1													39														39	63			
23		1.1	2.2	.5														35														35	55			
21	.1	.8	2.8	1.1														43														43	39			
19	.2	2.8	4.2	.9														73														73	52			
17	.1	2.3	2.2	.1														43														43	62			
15		2.7	2.3															45														45	54			
13	.2	2.2	.7															28														28	51			
11		2.3	.7															27														27	59			
9	.1	2.2	.4															26														26	51			
7		3.0																27														27	37			
5	.1	2.1																20														20	25			
3		1.9																15														15	21			
1		1.4																13														13	14			
-1	.3	.2																5														5	8			
-3	.6	.6																10														10	12			
-5	.9	.2																10														10	9			
-7	.1																	1														1	2			
-9	.2																	2														2	2			
-11	.1																	1														1	1			
-13	.2																	2														2	2			
-15																																				
Element (X)	Σ X ²	Σ X	Σ	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																																				

GLOBAL CLIMATOLOGY BRANCH
MILTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 22.	SOLEVA AFS AK
STATION	STATION NAME

73-£2

YEARS

42:
MONTH

PAGE 7 7970-1123
HOURS 11 5 7

[illegible]

2

2

73-42

YEARS

425
MONTH

PAGE 1 ~~1200-1400~~
HOURS 11:30-1

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 223	SALENA AFS AK
STATION	STATION NAME

73-27

YEARS

125
MONTH

PAGE 7 1200-14-0
HOURS (L. S. Y.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

2
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2-22-66 CALENA AFS AK STATION NAME 73-82 YEARS MONTH

PAGE 1 1530-1700 HOURS (L.T.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
57							.1											1	1				
55							.2	.3	.3	.1								9	9				
53								.4	.2									6	6				
51							.7	1.2										15	15				
49							.1	1.1										17	17				
47							1.5	.7										20	20				
45				.1	.4	1.7	1.1											30	30	1			
43				.1	1.2	1.4	1.0											42	42	6			
41		.1	.1	1.6	2.2													35	35	31			
39		.4	1.2	2.2	2.2	.3												56	56	36			
37	1.0	2.9	3.6	1.4	1.1													90	90	38	1		
35		.6	2.2	4.7	.9	.2												77	77	66	4		
33		.6	2.3	2.4	1.2	.1												50	50	78	5		
31	.2	.2	2.2	2.2	1.7													62	62	56	43		
29	.1	.3	3.2	3.1	.7													67	67	55	55		
27	.1	.2	1.8	3.1	.4													51	51	58	55		
25		.1	2.9	2.3														48	48	70	56		
23		.3	2.2	1.1														38	38	72	34		
21		.8	2.3	.2														36	36	62	70		
19		.4	2.9	.3														33	33	55	60		
17		1.3	2.1															51	51	31	56		
15		.9	1.2															25	25	40	35		
13		.4	1.2															15	15	26	39		
11		1.3	.2															19	19	20	35		
9		1.0	.4															13	13	23	74		
7		.4																4	4	16	51		
5																				3	41		
3		.6																5	5	4	29		
1		.3																3	3	2	50		
-1	.1																	1	1	3	24		
-3																					11		
-5																					16		
-7																					18		
-9																							
Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.						$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total											
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 84 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

224
MONTH

PAGE 2 1520-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

7-222 STATION GALENA AFS AK STATION NAME

73-82

YEARS

AD:
MONTH

PAGE 1 ~~1-23-73~~

[illegible]

PSYCHROMETRIC SUMMARY

7 22	SALEVA AFB AK
STATION	STATION NAME

73-62

YEARS

45

PAGE 2 14-00000
HOURS 11.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 /-12																					
1 /-15																					
1 /-17																					
1 1-1	015.935	229.812	7	4.2	1.2	.1												970	97.0	97.0	97.0

2

2

423
MONTH

PAGE 1 ~~21-20-23-6~~
~~Notes 10.1.10~~

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

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 226	GALENA AFS AK
STATION	STATION NAME

73-82

YEARS

2 F.
MONTH

PAGE 7 2100-2300
HOURS (L. S. T.)

[illegible]

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

1221 GALENA AFS AK
STATION STATION NAME

73-82

YEARS

APP

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ADD
MONTH

PAGE 2

ALL

HOURS 11. 5. T.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			
1/-11	.1																	35	35	35	11.9			
1/-13	.3																	19	19	19	6.4			
1/-15	.2																	16	15	10	5.6			
1/-17	.1																	9	9	9	6.2			
1/-19	.1																	7	7	7	4			
1/-21	.1																	6	5	3	3.7			
1/-23	.0																	3	3	3	2.3			
1/-25	.1																	3	3	3	2.3			
1/-27																					1			
1/-29																					7			
1/-31																					5			
1/-33																					6			
1 TBL	1.132	732	418	6	6	1.9	.5	.1	.0									7200	7200	7200	7200			
																					7200		7200	

PSYCHROMETRIC SUMMARY

1 225 STATION GALENA AFS AR STATION NAME

73-82

YEARS

~~MAY~~
MONTH

PAGE 1 ~~2022-0220~~
~~ROUTS 1. 5. 4. 3~~

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 63								.1										1	1																
47 61							.1											1	1																
47 59					.1		.2	.1										4	4																
47 57					.2		.2	.1										6	6																
47 55			.1	.1	.4	.2	.1											9	9																
47 53			.2	1.2	.5	.5	.1											22	22	2															
47 51			.6	1.1	.5	1.0	.1											32	32	3															
47 49		.2	1.2	2.4	.2													42	42	12	1														
47 47		1.5	1.6	3.9	1.7	.2												53	53	26	5														
47 45	.2	1.4	3.4	3.6	1.2	.2												55	95	48	17														
47 43	.2	2.7	3.8	4.2	1.2													112	112	7	27														
47 41		1.8	4.2	4.3	.4													100	100	129	33														
47 39	.1	2.2	5.1	2.9	.9													109	109	99	44														
47 37		3.3	4.7	2.2	.1													96	96	138	74														
47 35		1.7	5.1	1.2														74	74	120	87														
47 33	.1	.6	4.2	.4														50	50	88	64														
47 31		1.3	3.0	.5														45	45	75	127														
47 29		.2	1.1	.1														19	19	55	91														
47 27		.4	.3															7	7	35	54														
47 25		.3	.4															7	7	16	89														
47 23		.1	.1															2	2	6	51														
47 21		.1	.1															2	2	3	58														
47 19		.3	.1															4	4	2	20														
47 17		.4																4	4	4	19														
47 15		.1																1	1	5	10														
47 13																					4														
47 11		.1																1	1		2														
47 9		.2																2	2	3	7														
47 7																					3														
47 5																					3														
TOTAL	.619	.840	.127	.3	8.8	2.7	.5	.1										920	931	930															

Element (X)	Σx^1	Σx	Σ	σ_n	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≥ 93 F	Total
Dry Bulb	4378261	62775	67.5	12.317	930							93
Wet Bulb	1623251	38257	41.1	7.078	930		9.4					93
Dew Point	1306177	34367	37.2	6.241	930		27.7					93
	331191	28625	30.8	7.346	930		55.4					93

PSYCHROMETRIC SUMMARY

4 A 4
MONTH

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

USAFETAC

[illegible]

2

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 2220 CALENA AFS AK STATION NAME 73-82 YEARS 1973 MONTH MAY

PAGE 1 2630-26-1
HOURS 11.3.14

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67								.1										1	1																
65						.1	.1	.1										3	3																
63						.1												1	1																
61					.1		.1											2	2																
59				.2	.1			.1										4	4																
57				.1	.2	.1	.1	.1										6	6																
55				.2	.2	.2	.1											7	7																
53			.2	.8	1.4	1.4	.3											35	35																
51			.5	1.2	1.5	.5	.1											40	40																
49		.3	1.3	2.2	2.2	.2												51	51																
47		1.1	1.6	3.3	2.9	.7												78	78																
45		1.2	3.5	2.7	2.5	.1												84	84																
43	.1	2.2	2.8	5.2	1.6													110	110																
41	.1	1.4	3.4	4.5	1.4													56	96	130	39														
39	.1	1.8	5.8	3.0	.4													104	104	96	45														
37		2.7	4.6	2.2	.2													89	89	127	60														
35	.1	1.7	3.3	1.3	.1													61	61	142	74														
33		.9	2.7	1.3	.1													43	43	84	93														
31		1.2	2.2	.3														34	34	52	127														
29		.9	1.3	.1														21	21	41	94														
27		.5	.9															13	13	40	96														
25		.1	.5															6	6	20	96														
23		.1	.5															6	6	10	32														
21																				6	27														
19		.1																1	1	2	34														
17		.4																4	4	1	9														
15		.2																2	2	6	11														
13		.2																2	2	2	8														
11		.2																2	2	2	9														
9																				1	13														
7		.1																1	1	1	2														
5																					2														
3																					2														
1																					1														
Element (X)	Σ X'	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ 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																																			

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7.22.	GALENA AFS AK
STATION	STATION NAME

73-82

YEARS

439

MONTH

PAGE 2

0600-0800
HOURS 11-5 PM

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
11 F	.41	.7	.33	.5	.32	.7	.41	.5	.3	.8	.5	.4							93.3	93.7	93.5			

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

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 ~~SECRET~~
HOURS 11.5.4.0

[illegible]

2

YEARS

73-82

BY
MONTH

PAGE 7 2950-1100
HOURS (L. S. T.)

USAFETAC
FORM
AR 6-4
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

73-82

YEARS

PAGE 1 ~~1223-1436~~
~~ROUTED TO: 1. 3. 5. 6~~

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
METAC
AND WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 220	CALENA AFS AK
STATION	STATION NAME

73-62

YEARS

543
MONTH

FACE 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														
1 / 91															.1															1	1			
1 / 72															.1	.1														4	4			
7 / 77												.1	.2	.1																4	4			
1 / 75											.2	.3																		5	5			
4 / 73												.1	.1																	2	2			
1 / 71								.1	.1	.1				.1																5	5			
1 / 69								.1				.1																		3	3			
1 / 67								.1		.9	.5	.2																		16	16			
6 / 65									.7	.8	.3																			18	18			
4 / 63							.5	1.0	1.4	1.4	.3																			45	45			
1 / 61							.3	1.1	2.2	1.6	.2																			50	51			
1 / 59							.5	2.6	3.1	.9	.1																			66	66	6		
1 / 57				.1	.2		1.1	4.2	2.4	.3																				77	77	9		
1 / 55				.5	.7		2.9	5.6	1.9																					108	109	5		
4 / 53			.2	.6	2.1		4.5	2.3	.5																						95	95	10	
1 / 51		.4	.2	.5	2.2	3.4	1.6																								78	79	40	
1 / 49		.6	.8	1.2	2.3	3.1	.5																								54	54	66	4
1 / 47		.1	.6	1.3	2.4	1.2																									52	52	106	9
4 / 45		.2	.9	1.5	1.4	.2																									40	40	148	12
4 / 43		.4	.6	2.2	1.7	.9																									54	54	169	16
1 / 41		.3	.9	1.6	.9	.6																									39	39	172	19
1 / 39		.1	1.4	1.4	.7	.2																									37	37	98	43
1 / 37		.2	.5	1.3	.1																										20	21	40	66
1 / 35		.3	.2	.3																											8	8	44	54
3 / 33			.1	.3																											4	4	29	115
2 / 31			.1	.4																											5	5	25	122
1 / 29			.1																												1	1	5	108
1 / 27																																	3	120
1 / 25			.1																												1	1	4	90
1 / 23		.2																													2	2	1	21
2 / 21		.2	.1																												3	3	2	32
1 / 19		.3																													3	3	4	31
1 / 17																																	2	13
1 / 15																																		12
Element (X)	Σ x'		Σ x		Σ		Σ ₂		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total											
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

70 220 GALENA AFB AK
STATION STATION NAME

73-82

YEARS

MAY
MONTH

PAGE 7 1200-1400
HOURS (L. S. T.)

[illegible]

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

7 220 STATION
GALENA AFS AK STATION NAME

73-82

YEARS

MAY
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				
81																		4	4					
79																		6	6					
77																		5	5					
75																		3	3					
73																		2	2					
71																		5	5					
69																		19	19					
67																		19	19					
65																		25	25					
63																		63	63					
61																		57	57	1				
59																		75	75	5				
57																		107	107	10				
55																		102	102	7				
53																		92	92	21				
51																		72	72	34				
49																		52	52	98				
47																		47	47	144				
45																		45	45	137				
43																		36	36	152				
41																		52	52	106				
39																		22	22	67				
37																		7	7	41				
35																				45				
33																		4	4	37				
31																		3	3	6				
29																		1	1	2				
27																		1	1	2				
25																		1	1	5				
23																		1	1					
21																		4	4	2				
19																				4				
17																								
15																								
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ					
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 34-44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

JOINT CLIMATEOLOGY BRANCH
ATTN: MAC
A. LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22	SALENA AFS AK
STATION	STATION NAME

73-82

YEARS

4.2 Y
MONTH

PAGE - 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															
/ / 13																																			
1 / 11																																			
/ / 5																																			
IAL		2.0	6.3	2.2	15.6	16.0	16.3	16.9	9.2	3.1	1.2	.6	.9	.2					9.30		9.40														

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 22 GALENA AFS AK
STATION

73-82

YEARS

DAY
MONTH

PAGE 1

1800-2000

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 2 1900-2000
HOURS (L. S. T.)

[illegible]

2

•

 MAY
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

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

USAFETAČ

2

PSYCHROMETRIC SUMMARY

7-225	GALENA AFS AK	73-82	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE 1 2100-2303
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1220	SALENA AFS AK
STATION	STATION NAME

13-8?

YEARS

MAY
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

 MAY
MONTH

111
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ 13			.3															5	7	4	40		
1 / 11			.2															5	3	2	37		
/			.3															3	3	6	33		
/ 7			.1															4	4	7	14		
/ 5																				1	4		
/ 3																					4		
/ 1																					6		
/ -1																					1		
TAL	.211	.321	.419	.115	.111	.5	9.5	6.7	3.0	1.1	.4	.3	.2	.1					7440		7439		
																		7439		7439			

Element (X)	Σ x'	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	25567469	416439	56.0	17.367	7439	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	17244494	320539	47.1	9.900	7440		49.1	12.6	6.1	1.2		744
Wet Bulb	12326629	298459	40.1	6.881	7439		45.2					749
Dew Point	7422240	228956	30.8	7.105	7439	.1	448.0					744

GLOBAL CLIMATOLOGY BRANCH
CAFETAC
A.4 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

720	SALENA AFS AK
STATION	STATION NAME

73-87

YEARS

442

MONTH

2465 1

7-015-2212

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77 71								.1										1	1																
76 69							.1											1	1																
67 65				.1	.1	.1												7	7																
47 53				.4	.4	.1	.3											15	15																
7 61		.1	.2	1.1	.7	.7	.1											25	25																
7 59		.4	1.7	2.1	1.2	1.1												56	59																
7 57	.1	1.3	3.3	1.8	1.7	.7												90	87	74	7														
57 55		1.8	4.2	3.3	1.4	.6												107	107	44	7														
47 53	.4	2.6	4.7	3.2	1.4	.6												116	116	83	39														
7 51		3.6	6.7	3.3	1.6	.2												140	140	116	57														
7 49	.3	4.3	5.6	3.1	1.1	.3												170	150	132	101														
7 47	.2	3.2	3.2	2.7	.4													93	93	150	55														
7 45	.1	1.9	2.2	1.6	.1													53	53	111	101														
47 43	.4	.9	1.4	.7	.1													32	32	74	139														
7 41	.2	.2	.7	.3	.2													15	15	55	95														
7 39		.1	.9	.3														12	12	36	50														
7 37		.2	.3	.6														10	10	16	57														
7 35			.1															1	1	15	47														
7 33																		3	3	5	31														
7 31																				5	24														
7 29																				3	7														
7 27																					7														
7 25																					7														
7 23																					4														
7 21																					4														
TOTAL	1.920	6.36	6.24	7.11	3.4	4.3	.6	.1										920	920	975	970														

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4956341	65885	73.1	12.783	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2461596	46838	52.0	5.497	900			.2				90
Wet Bulb	2075662	42978	47.8	5.795	900		.6					90
Dew Point	1724763	38965	43.3	6.484	900		5.5					90

PSYCHROMETRIC SUMMARY

73-62

YEARS

MONTH

PAGE 1 7324-25
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
69									.1									1	1																
67																		1	1																
65								.1										1	1																
63							.1											4	4																
61				.1			.2											7	7																
59			.2	.9	.8	.2	.2											21	21																
57			.4	2.9	.9	1.2	.1											10	57	4															
55	.2	3.3	3.1	3.3	1.2	.9												108	109	25	6														
53	.1	3.6	6.2	3.1	.7	.4												114	114	71	21														
51	.3	2.3	5.1	2.1	.3													56	76	95	53														
49		5.2	7.7	3.1	.3													147	147	132	83														
47	.2	7.1	4.2	2.1	.4													122	132	141	81														
45	.3	4.2	4.9	2.3	.7													106	106	170	98														
43	.1	1.9	2.6	.4	.1													46	46	22	152														
41	.3	.9	1.6	.4														25	25	45	118														
39	.3	.6	1.7	.2	.1													25	25	48	81														
37			.9	.2														10	10	25	93														
35			.2															2	2	14	61														
33			.1															3	3	11	42														
31																				4	22														
29																				7	6														
27																					7														
25																					3														
23																					5														
21																					1														
J.L.	2.329	6.42	3.18	.8	5.4	1.4	.1											980	980	980	980														

Element (X)	Z _X '	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5390271	68887	76.581	437	900	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	2266467	44743	44.9	5.164	900			± 2				90
Wet Bulb	1561433	41761	45.4	4.927	900			± 6				90
Dew Point	1667605	38345	42.6	6.140	900		± 5.3					90

0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

YEARS _____ JJA _____
 MONTH _____
 PAGE 1 7620-0800
 HOURS (L. S. T.) _____

1. 220	CALENA AFS AK
STATION	STATION NAME

73-87

YEARS

 JJA
 MONTH

PAGE 3

7520-0800
HOURS (L.S.T.)

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

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION NAME DALENA AFB AR YEARS 73-62 MONTH JUN

PAGE 1 0600-1100
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																
77											.1							1														1	1				
76																		2														2	2				
75								.1		.1	.1							3														3	3				
74									.3		.1	.1						7														7	7				
73						.2	.1		.3		.2	.1						19														19	19				
72					.3	.2	.6	.5	.7									29														29	29				
71				.3	.4	1.4	2.1	1.1	.3									52														52	52				
70					1.2	2.1	2.2		.3									57														57	57				
69				.8	1.3	2.1	2.1	.2	.3									61														61	61	3			
68				.2	.9	3.1	1.2	1.7	.1	.2								67														67	67	15			
67				.9	2.0	3.3	3.2	1.4	.3									98														98	98	25			
66				.3	.7	1.7	3.3	2.9	.6	.2								89														89	89	52	2		
65		1.1	1.5	3.3	3.3	2.1	.2	.1										98														98	98	95	12		
64		.7	2.4	3.4	1.3	1.2	.1	.2										85														85	85	172	37		
63		.6	3.4	2.3	1.3	.6	.3											77														77	77	99	35		
62		1.1	3.3	2.2	.6	.2	.1											68														68	68	161	53		
61		1.4	.8	1.1	.7	.1	.1											38														38	38	134	46		
60	.1	.6	1.2	.8	.2	.3												30														30	30	63	127		
59		.1	.3	.2	.2													8														8	8	55	113		
58			.6	.1	.1													7														7	7	30	119		
57		.3		.1														4														4	4	21	83		
56																																				15	73
55																																			4	67	
54																																				15	41
53																																				7	
52																																				5	
51																																				2	
50																																					
49																																					
48																																					
47																																					
46																																					
45																																					
44																																					
43																																					
42																																					
41																																					
40																																					
39																																					
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37																																					
36																																					
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32																																					
31																																					
30																																					
29																																					
28																																					
27																																					
26																																					

CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 JALAPA AFS AK
STATION STATION NAME

73-82

YEARS

JUN
MONTH

PAGE 1 1200-1400
HOURS [11-5-11]

[illegible]

PSYCHROMETRIC SUMMARY

73-62

YEARS

MONTH

PAGE 1 1520-1700
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.S.	Dry Bulb	Wet Bulb	Dew Point														
77 81										.3	.3	.1						4	4																
77 77										.6	.2	.1	.1					14	14																
77 75										.6	.2	.1	.1	.2				17	17																
77 73								.2	.6	1.0	.7	.6						37	37																
77 71							.2	1.2	1.4	1.7	.1							42	42																
77 69							.4	1.4	1.9	1.4	.7	.1						55	55																
77 67						.3	2.2	1.9	1.7	.8								56	56																
77 65						1.6	2.0	2.9	1.4	.3								74	74																
77 63				.3	.7	1.1	2.9	2.6	.7									74	74																
77 61			1.1	.3	1.1	3.6	1.1	.4	.2									70	70	8															
77 59			.4	1.2	1.1	2.2	2.0	.7										69	69	16															
77 57		.3	.7	1.1	2.0	2.4	1.3	.2	.2									60	60	43															
77 55		.2	.6	1.3	3.0	1.2	1.1	.2	.4									73	73	127	2														
77 53		.4	1.4	1.7	2.1	.8	.4											62	62	17	2														
77 51		.7	2.1	1.7	2.1	1.7		.1										75	75	122	27														
77 49		.3	2.0	1.0	1.6	.4	.1											49	49	174	45														
77 47		.3	.6	.7	.4	.2	.1											21	21	111	61														
77 45		.8		.6		.3												15	15	90	69														
77 43		.1	.3		.1	.1												6	6	61	102														
77 41			.1	.1														2	2	33	127														
77 39		.1	.2															3	3	14	106														
77 37																				6	146														
77 35																				6	72														
77 33																					60														
77 31																					41														
77 29																					27														
77 27																					9														
77 25																					10														
77 23																					4														
77 21																					3														
77 19																					6														
77 17																					4														
TOTAL		3.3	9.4	10.9	13.4	13.4	16.6	13.1	9.2	7.2	2.6	1.7	.2					900		900	900														
Element (X)	Σx'	Σx	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																												
Rel. Hum.	2447735	44525	49.5	16.5	15	900	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb	3582536	56316	62.6	8.7	78	900			30.1	11.4	1.1									40															
Wet Bulb	2460731	46953	52.1	4.9	09	900														40															
Dew Point	1617622	37706	41.9	6.4	44	900			6.5											40															

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

221 GALENA AFB AK
STATION STATION NAME

73-62

YEARS

JUN
MONTH

PAGE 1

1970-2000
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														
77 51											.1							1		1															
77 79									.2		.1	.3						6		6															
77 77								.1	.2	.4	.2							10		10															
77 75								.3	.6	.4	.5	.7						26		26															
77 73							.1	.7	1.4	1.1	.2							32		32															
77 71						.2	.6	.6	2.3	.8	.2							42		42															
77 69						.2	1.0	1.8	1.7	.6								48		48															
77 67					.3	1.4	3.4	2.7	1.0	.2								55		55															
77 65				.1	.8	1.2	2.2	2.3	.3	.1	.1							65		65															
77 63			.1	1.1	.8	1.7	2.9	1.1	.4									77		77		3													
77 61		.1	.7	1.8	1.3	1.6	2.6	1.2	.1									84		84		13													
77 59		.6	1.1	1.0	1.6	3.1	1.1	.3	.1									80		80		43													
77 57			.4	1.2	2.2	1.6	1.2	.4	.2									67		67		171													
77 55		.8	.9	3.3	2.3	1.0	.6	.2										62		62		122													
77 53	.5	.4	3.1	2.1	1.7	2.4	.1	.4										96		96		35													
77 51		.6	1.2	1.4	1.3	.3												44		44		125													
77 49	.2	.4	1.6	.8	.3													30		30		149													
77 47		.3			.1	.1												5		5		26													
77 45		.3		.1	.2	.1												7		7		69													
77 43		.3	.1	.1	.1	.1												7		7		79													
77 41			.3		.2													5		5		13													
77 39					.1													1		1		5													
77 37																						3													
77 35																						3													
77 33																						5													
77 31																						33													
77 29																						6													
77 27																						10													
77 25																						6													
77 23																						6													
77 21																						8													
77 19																						4													
TAL	.6	3.9	9.6	13.2	13.4	15.1	16.1	12.3	9.0	4.2	1.6	1.0						900		900		900													
Element (X)	Z _g	Z _x	X	σ _a	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	2699307	46833	52.0	17.074	900	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																								
Dry Bulb	3439409	55205	61.3	7.692	900			25.0	7.5	.4																									
Wet Bulb	2420627	46463	51.6	4.441	900																														
Dew Point	1640186	37930	42.1	6.806	900			7.3																											

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

USAFETAC

PSYCHROMETRIC SUMMARY

73-62

YEARS

1115
MONTH

PAGE 1

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7, 227 GALENA AFS AK

73-62

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 3

413

HOURS 11. 5. 7.

[illegible]

PSYCHROMETRIC SUMMARY

7 220	GALENA AFS AK
STATION	STATION NAME

73-62

YEARS

 JUL
MONTH

2455 7

2020-22-0
HOURS 11.5 Y.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														
69					.1		.1		.1									3																	
67				.4	.1	.2	.2	.1										10	10																
65			.4	1.0	.1	.8	.1											22	22																
63		.1	1.3	1.3	.1	.8												39	39																
61		1.1	3.5	2.5	1.7	.2												83	83	13															
59		2.6	5.7	3.5	1.3	.6	.1											127	127	36	.8														
57		4.6	6.1	2.3	.9	.6												134	135	106	43														
55	.2	5.8	6.4	2.8	1.1	.2												153	154	150	81														
53	.3	4.3	3.3	1.8	1.0	.4												108	108	160	107														
51	.4	3.3	3.6	1.1	.3	.1												82	82	133	133														
49	.2	3.3	2.4	.6	.4													65	65	114	129														
47		.4	1.3	.1	.7	.1												28	28	61	120														
45	.4	1.0	1.0	.2														24	24	79	92														
43	.6	.6	1.4		.1													26	26	41	59														
41		.2	.4	.2	.1													9	9	78	38														
39	.2		.2															4	4	16	36														
37																					30														
35																				5	21														
33																					13														
31																					7														
29																					4														
27																					4														
TOTAL	2.528	5.37	3.18	.6	5.3	4.1	.5	.1	.1									927		927	927														
																					927		927												
																								</											

PLUM CLIMATOLOGY BRANCH
METAC
AIR LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1220	GALENA AFS AK
STATION	STATION NAME

73-87

YEARS

JUL
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

73-62

YEARS

MONTH

PAGE 1 0600-1800
HOURS (L. S. T.)

[illegible]

JOINT CLIMATEOLOGY BRANCH
JLSTAC
ALC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

237	SALENA AFS AK
STATION	STATION NAME

73-92

YEARS

3 JUL
MONTH

PAGE 1 1970-11-3
MOUSE 11-5-11

[illegible]

2

USAFETAC
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 226 JALENA AFS AK STATION NAME 73-82 YEARS JUL MONTH

PAGE 1 1220-1400 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			
57/55									.1	.1									2	2				
57/51										.2		.2							7	7				
57/79							.1	.2	.5	.6									14	14				
57/77							.2	.1	.9	.6	.4								28	23				
57/75						.1	1.2	1.7	1.4	.9	.1								49	49				
47/73						.4	2.4	2.5	1.1	.3									55	65				
57/71					.3	1.3	1.7	2.	1.7	.1									76	76				
57/69				.3	1.3	2.2	3.2	1.4	1.6	.1									58	88	1			
57/67			.3	1.1	1.5	2.4	2.9	.4	.4										64	55	5			
57/65			.3	.4	2.2	3.6	1.5	.3	.1										79	30	5			
57/63			.4	2.9	2.3	2.4	.9	.1											52	60	63			
57/61			.5	2.1	2.7	.9	.2	.2	.1										69	69	89			
57/59		.3	1.3	2.6	1.0	.6	.3	.2											59	59	110			
57/57		1.4	1.8	2.2	1.7	1.0	.5	.2											63	63	141			
57/55		1.1	1.5	1.7	1.3	.5	.1												54	54	154			
57/53		.9	1.2	.4	.9	.1													32	32	166			
57/51	.1	.2	.6	.3	.2	.3													17	17	169			
57/49	.5	.1	.2	.3	.1														12	12	181			
57/47	.1	.6	.3	.3															13	13	41			
57/45	.2	.2	.6	.2	.1														13	13	51			
57/43		.1																	1	1	15			
57/41																					51			
57/39																				4	30			
57/37																					37			
57/35																					14			
57/33																					10			
57/31																					3			
57/29																					2			
57/27																					2			
57/25																					2			
TOTAL	1.0	4.9	9.5	14.3	15.7	16.3	10.0	7.6	3.1	.5									927	929	927			
Element (X)	Zx'	Zx	R	Pa	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	3187544	52446	56.6	15.8	927	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total												
Dry Bulb	3958279	66129	64.3	7.8	927			41.4	16.5	1.4		93												
Wet Bulb	2899894	51624	55.7	5.1	927			.6				93												
Dew Point	2170005	44489	45.1	6.1	927		1.7					93												

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

GLOBAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

222 GALINA AFILAK

13-0000

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STATION

STATION NAME

YEARS

MONTA

PAGE 1

100-1722

HOURS 1, 5, 9.

[illegible]

2

JOINT CLIMATEOLOGY BRANCH
 AFMSTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION MALINA AFB AK STATION NAME 73-82 YEARS MONTH

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

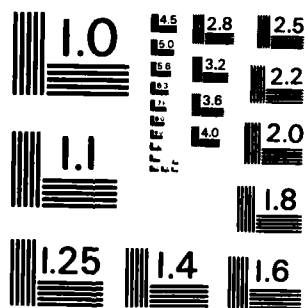
Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	±31	TOTAL D.B./W.B. Dry Bulb	TOTAL Wet Bulb Dew Point	
/ 80												.1						1	1	
/ 79												.2						2	2	
/ 78										.1	.2	.3	.1					7	7	
/ 77									.2	.3	.4	.2						10	10	
/ 76						.2	.1	.1	.2	.3	.4	.1						10	10	
1 / 75						.1		.4	.4	.4	.4							21	21	
/ 74							.4	1.1	2.4	1.3	.4							50	50	
/ 73								1.1	1.4	1.4	1.1	.1						47	47	
/ 72									1.4	1.0	1.0	1.4						67	67	
/ 71																		67	67	
/ 70																		35	35	
/ 69																		35	35	
/ 68																		102	103	
/ 67																		102	103	
/ 66																		70	71	
/ 65																		95	95	
/ 64																		42	42	
/ 63																		42	42	
/ 62																		21	22	
/ 61																		21	22	
/ 60																		60	63	
/ 59																		60	63	
/ 58																		72	72	
/ 57																		72	72	
/ 56																		170	170	
/ 55																		57	57	
/ 54																		57	57	
/ 53																		27	27	
/ 52																		27	27	
/ 51																		22	23	
/ 50																		22	23	
/ 49																		12	12	
/ 48																		12	12	
/ 47																		8	8	
/ 46																		8	8	
/ 45																		2	2	
/ 44																		2	2	
/ 43																				
/ 42																		13	13	
/ 41																				
/ 40																				
/ 39																				
/ 38																				
/ 37																				
/ 36																				
/ 35																				
3 / 34																				
/ 33																				
/ 32																				
/ 31																				
/ 30																				
/ 29																				
/ 28																				
/ 27																				
/ 26																				
TAL	1.2	0.7	1.0	1.1	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1		927	927	
Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	Z ₅	Z ₆	Z ₇	Z ₈	Z ₉	Z ₁₀	Z ₁₁	Z ₁₂	Z ₁₃	Z ₁₄	Z ₁₅	Z ₁₆	Z ₁₇	Z ₁₈	Z ₁₉	
Rel. Hum.	3297205	52944	57.1	17.1	17.9															
Dry Bulb	3094844	62534	65.1	7.6	7.1															
Wet Bulb	2928733	512.3	56.3	4.2	5.3															
Dew Point	2201070	44766	49.3	6.5	5.2															
No. Obs.	927																			
Mean No. of Hours with Temperature																				
± 0 F																				
± 32 F																				
± 67 F																				
± 73 F																				
± 80 F																				
± 93 F																				
Total																				

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

UNCLASSIFIED

GALENA AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 28 JUL 83
USAFETAC/DS-83/035 SBI-AD-E850 429 F/G 4/2

N4



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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 22L GALENA AFS AK
STATION STATION NAME

73-82

YEARS

JUL
MONTH

PAGE 1 2186-2300
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						
7 / 79									.1									1	1							
7 / 77								.1	.1									2	2							
6 / 75					.1		.2	.4	.5	.3	.2	.1						6	6							
4 / 73						.2	.4	.5	.3	.2								16	16							
7 / 71				.1	.1	.5	.9	.4	.2									20	20							
7 / 69				.3	.9	1.4	1.5	.5	.2									45	45							
6 / 67		.1	.4	1.8	1.9	2.3	1.3	.2	.1									76	76	1						
6 / 65			1.1	2.7	2.5	1.9	1.0	.3		.1								89	89	2						
4 / 63		.4	1.5	3.7	2.6	2.0	.5	.2										102	102	20	3					
7 / 61		1.1	3.6	3.3	2.5	.9	.2	.3										110	110	61	6					
7 / 59		1.9	4.2	3.7	.8	.8	.1											106	109	112	29					
7 / 57		1.7	3.1	2.6	1.2	1.2	.1	.2										94	94	152	52					
5 / 55	.1	3.3	3.3	2.2	1.7	.2	.2	.1										97	97	159	95					
4 / 53	.2	1.9	2.6	1.1	.9	.5												67	67	136	119					
7 / 51	.1	1.3	1.6	1.1	.3	.2												43	43	85	134					
5 / 49		.2	.9	.6	.3	.1												20	20	79	112					
4 / 47	.6	.5	.5	.4	.1													21	21	51	130					
4 / 45	.3	.2	.1	.4														10	10	35	64					
4 / 43	.1			.1														2	2	20	45					
7 / 41																				9	41					
4 / 39																				4	38					
3 / 37																				1	23					
7 / 35																					9					
3 / 33																					11					
7 / 31																					9					
7 / 29																					2					
7 / 27																					3					
7 / 25																					3					
TOTAL	1.5	12.8	23.3	24.2	15.1	12.3	6.5	3.0	1.2	.3	.1							927	937	927	927					
																						927		927	927	
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	4495512		63762		68.114		898		927		927		927		927		927		927		927		927		927	
Dry Bulb	3436662		56232		67.5		6.279		930		930		930		930		930		930		930		930		930	
Wet Bulb	2771126		50476		54.5		4.947		927		927		927		927		927		927		927		927		927	
Dew Point	2282036		45618		49.2		6.335		927		927		927		927		927		927		927		927		927	

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-22C	DALENA AFS AK
STATION	STATION NAME

73-82

YEARS

MONTH

PAGE 1

ALL
HOURS (L. S. Y.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 225	CALENA AFS AK
STATION	STATION NAME

73-82

YEARS

JUL
MONTH

PAGE 2

411

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1. TAL	1.5	16.3	22.4	17.2	12.7	10.7	7.8	5.0	3.5	1.7	.6	.2	.0					7417	7439	7417	7417

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

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1

~~0005-0230~~
HOURS (L. S. T.)

[illegible]

AUG
MONTH

0300-0300
MAY 11 1967

0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

SALENA AFS AK

73-82

AGE

PAGE 1 0900-1100
HOURS (L. S. T.)

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

PSYCHROMETRIC SUMMARY

7. 220	GALFNA AFS AK
STATION	STATION NAME

73-82

YEARS

 AUG
MONTH

PAGE 1

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

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-220
STATION

GALENA AFS AK
STATION NAME

73-82
YEARS

AUG
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				
47 83												.3	.2					5		5				
47 81								.2	.2	.8	.2							13		13				
7 79								.2	.3									6		6				
7 77							.4	.2	1.1	.3								19		19				
16 75						.4	.6	1.2	.3	.3								27		27				
47 73					.2	.4	.6	1.6	.4	.1								32		32				
7 71				.8	.2	.6	1.8	1.3	.9	.3								55		55				
17 69				.3	.9	2.6	1.6	.9	.5									63		63				
67 67		.1		.5	2.3	2.9	1.8	.5	.6									82		82		4		
67 65			.3	1.0	4.1	2.3	2.9	.5	.6									107		107		27		
47 63		.3	.9	3.0	1.7	1.8	.5	.3	.5	.1								86		86		35	1	
27 61		.9	1.2	2.2	2.3	1.3	.3	.9	.2									89		89		59	13	
7 59		.8	2.7	1.4	1.9	.9	.4	.1	.2									78		78		134	24	
17 57	.3	1.3	2.3	3.9	1.3	1.2	.1	.1										94		94		150	38	
57 55	.4	1.7	1.5	2.2	1.2	.4												69		69		126	71	
47 53		.9	1.5	1.3	.6	.9	.1											49		49		110	93	
27 51		.4	.4	.9	.6	.3												25		25		113	146	
57 49			.2	.1	.3	.2												8		8		54	117	
47 47		.1	.2	.4	.5													12		12		54	93	
47 45		.1	.4	.1														6		6		23	96	
47 43		.2	.3															5		5		19	64	
27 41																					17	31		
47 39																							33	
37 37																							37	
17 35																							24	
34 33																							18	
27 31																							14	
7 29																							5	
27 27																								
27 25																							2	
27 23																							3	
27 21																							2	
TOTAL	.9	6.5	11.9	18.6	18.2	16.2	11.0	8.2	5.8	2.2	.5	.2						930		930			930	
Element (X)	2x ²	2x	x	x ²	No. Obs.				Mean No. of Hours with Temperature															
Rel. Hum.	3534858	55318	59.5	16.221	930				≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									Total	
Dry Bulb	3774954	58842	63.3	7.479	930								30.2	10.2	2.0							93		
Wet Bulb	2844146	51182	55.0	5.428	930								.4									93		
Dew Point	2181541	44555	47.9	7.111	930								3.1									93		

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

USAFETAC

PSYCHROMETRIC SUMMARY

AUG
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
4/ 83													.1					1	1						
2/ 81										.1	.1	.2						5	5						
7/ 79								.2	.3									5	5						
7/ 77							.2	.4	.3									9	9						
6/ 75						.3	.5	1.2	.3									22	22						
4/ 73					.1	.2	.5	1.1	.4	.1								23	23						
2/ 71				.4	.4	.9	1.3	1.3		.2								42	42						
3/ 69			.2		1.5	1.6	1.1	.3										44	44						
6/ 67		.1	.3	.6	1.8	1.8	1.3	.3	.3									62	62	1					
6/ 65		.2	.4	1.9	2.3	1.8	1.4	.3										78	78	18					
4/ 63		.3	1.3	3.5	2.5	1.8	.4	.1										93	93	27					
2/ 61	.3	.9	2.7	3.1	2.5	1.2	.6	.4	.1									110	110	65					
2/ 59		1.5	2.6	3.4	1.6	.8	.6	.3										103	103	125					
5/ 57	.1	2.4	3.1	2.7	.9	.9		.3										96	96	139					
5/ 55	.6	1.9	3.1	2.0	1.0	.3	.1											85	85	126					
4/ 53	.3	1.9	2.4	1.1	.2	.5	.1											67	67	139					
2/ 51	.2	.8	1.3	.8	.3	.3												34	34	109					
2/ 49		.1	.6	.5	.5	.1												18	18	62					
1/ 47		.4	.5	.8	.2													18	18	39					
4/ 45			.3	.6														9	9	30					
4/ 43		.1	.1	.1														3	3	18					
2/ 41			.3															3	3	25					
4/ 39																				3					
3/ 37																				4					
2/ 35																									
3/ 33																									
2/ 31																									
3/ 29																									
2/ 27																									
2/ 25																									
4/ 23																									
TOTAL	1.6	10.6	19.4	21.7	16.7	12.6	9.3	6.0	2.3	.4	.1	.2	.1					930		930					
																		930		930					
Element (X)	Σx'	Σx	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	4188978	60598	65.2	16.089	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	3550396	57072	61.4	7.189	930			21.3	6.5	.8		93													
Wet Bulb	2799034	50770	54.6	5.939	930			.1				93													
Dew Point	2250067	45293	48.7	6.808	930		2.7					93													

PSYCHROMETRIC SUMMARY

13-6?

AUG
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 221	SALENA AFS AK
STATION	STATION NAME

73-62

YEARS

AUG
MONTH

PAGE 1

ALL
HOURS 11. 5. T.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			
4/ 93												.1	.0	.0				6	6					
7/ 81												.1	.0					21	21					
7/ 79												.1	.0					19	19					
7/ 77								.1	.2	.1								42	42					
7/ 75							.1	.2	.4	.1	.0							69	69					
4/ 73				.1	.1	.1	.3	.4	.2	.0								58	48					
7/ 71				.2	.2	.3	.6	.4	.1	.1								148	148					
7/ 69			.0	.2	.3	.9	.6	.3	.1									126	156					
7/ 67		.0	.2	.4	.9	1.1	.7	.2	.2									271	271	7				
6/ 65		.1	.4	1.0	1.7	1.1	.7	.2	.1									391	391	59	1			
4/ 63		.4	.7	1.8	1.4	1.0	.2	.1	.1	.0								431	431	132	10			
7/ 61	.2	1.0	1.7	2.1	1.5	.5	.3	.2	.0	.0								560	560	276	81			
7/ 59	.2	2.0	3.2	1.8	1.2	.4	.2	.1	.1									690	690	547	144			
7/ 57	.2	3.1	3.6	2.3	.8	.4	.1	.1	.0									792	792	829	313			
5/ 55	.6	4.5	3.7	1.9	.5	.3	.0	.1										868	968	971	563			
4/ 53	.4	4.3	3.4	1.1	.4	.4	.1											752	752	981	785			
7/ 51	.6	3.6	2.7	.7	.3	.2	.1											611	611	1010	1039			
7/ 49	.7	3.4	1.7	.5	.3	.2	.0											501	501	803	1014			
7/ 47	.3	2.1	.8	.7	.3	.1												315	315	575	916			
7/ 45	.3	1.6	1.0	.4	.1													246	246	393	758			
4/ 43	.3	1.1	.6	.2	.1													158	158	275	457			
7/ 41	.1	.7	.6	.1														119	119	244	309			
7/ 39	.2	.5	.5	.0														91	91	165	268			
7/ 37	.1	.3	.1															39	39	108	239			
7/ 35	.0	.1	.0															12	12	49	154			
7/ 33		.0																3	3	16	134			
7/ 31																				3	137			
7/ 29																					49			
7/ 27																					27			
7/ 25																					25			
7/ 23																					19			
7/ 21																					11			
7/ 19																					2			
Element (X)	Σ X ²	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																								

PSYCHROMETRIC SUMMARY

22 SALENA AFB AK

73-82

MONTH

STATION

STATION NAME

YEARS

380

ALL
HOURS (L. S. T.)

[illegible]

CLIMATOLGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1. 245 GALENA AFS AK
STATION STATION NAME

73-E2

YEARS

SEP
MONTH

PAGE 1 2020-0250
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
1/ 57			.1	.2														3	3														
2/ 55		.8	.3	.4														15	15														
4/ 53		.9	1.1	.7														24	24	4	3												
2/ 51		1.1	2.3	.5	.1	.1	.1											39	39	17	6												
5/ 48	.1	4.1	1.0	.8	.2	.3												67	67	34	17												
1/ 47	.7	5.1	3.1	1.7	.2	.1												98	98	73	42												
6/ 45	.4	6.1	2.9	.9	.2													95	95	84	62												
4/ 43	.4	5.9	3.6	1.2														98	98	91	77												
7/ 41	.6	4.4	4.4	.6	.1													91	91	111	73												
5/ 32	.0	4.8	3.4	.4														85	85	95	68												
7/ 37	.8	4.3	3.9	.7														87	87	97	89												
2/ 35	1.1	2.3	2.2	.5														56	56	89	77												
3/ 33	.4	2.9	3.3	.6														65	65	56	68												
2/ 31	.4	2.1	1.6	.4														41	41	51	76												
1/ 29		1.6	1.1															19	19	49	55												
1/ 27		.9	.4															12	12	27	44												
1/ 25		.3																3	3	23	51												
1/ 23	.1	.1																2	2	4	13												
2/ 21																					9												
1/ 19																					23												
1/ 17																					19												
1/ 15																					5												
1/ 13																					1												
1/ 11	5.9	47.2	35.6	9.8	.9	.6	.1											900	900	900	900												

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USAFETAC

CENTRAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220	CALENA AFS AK
STATION	STATION NAME

13-82

YEARS

SEP
MONTH

PAGE 1

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

[illegible]

JOURNAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

222	GALENA AFS AK
STATION	STATION NAME

U3-62

YEARS

SEP
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														
57 / 55			.7															5	5																
47 / 52			.7	1.2	.2													17	17																
37 / 51			1.3	1.6	.2													30	30	13	3														
27 / 47		.4	2.7	2.4	.7		.1											57	57	35	16														
17 / 47		.3	3.7	1.3	.3	.2												53	53	47	50														
7 / 45		.5	6.1	3.1	.1	.1												90	90	80	51														
47 / 43		.2	9.3	2.2	1.0	.1												116	116	97	70														
37 / 41	1.6	4.2	3.1	1.4														93	93	105	91														
27 / 39	2.4	4.2	3.4	.4														95	95	94	97														
17 / 37	.8	4.9	1.6	.6														70	70	90	66														
7 / 35	1.1	5.0	1.6	.7														75	75	91	77														
37 / 33	1.2	4.2	2.2	.4														71	71	71	65														
27 / 31	.1	3.7	2.6	.6														62	62	60	72														
17 / 29	.2	2.2	2.2															40	40	51	77														
7 / 27		1.3	.3															15	15	40	49														
37 / 25		.3	.2															5	5	28	28														
27 / 23		.2																2	2	5	25														
17 / 21	.3																	3	3	5	32														
7 / 19																					27														
1 / 17																					15														
1 / 15																					3														
1 / 13																					6														
TOTAL	9.154	127.6	6.7	.4	.1													900	900	900	900														

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-220	GALENA AFS AK
STATION	STATION NAME

73-82

YEARS

SEP
MONTH

PAGE 1 8906-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
COMFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7. 220 GALENA AFS AK
STATION STATION NAME

73-42

YEARS

556
MONTH

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

[illegible]

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 220 GALENA AFS AK
STATION

73-82

5 E F

STATION

STATION NAME

YEARS

MONTH

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

[illegible]

1.220 GALENA AFS AK
STATION

73-42

SEE
MONTH

PAGE 1 18-2-22
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
69						.1	.1											2	2					
67					.1	.1	.2	.2										6	6					
65				.1	.1		.6		.1									8	8					
63			.1			.4	.6	.2	.1									13	13					
61			.2	.3	1.0	.1	.4	.1										20	20	1				
59			.3	1.1	1.0	.4	.1	.1										28	28	3				
57		.6	1.8	2.5	.7	.3	.3											56	56	3				
55		.6	1.9	1.3	2.0	2.0	.4											74	74	6				
53		.6	2.8	2.1	2.4	.6												76	76	36	3			
51		1.6	2.8	2.7	.9	.6	.2											78	78	72	19			
49	.2	2.7	3.3	2.3	1.6	.1												92	92	92	24			
47	.1	2.6	2.8	2.2	1.4	.2												82	82	119	46			
45	.2	2.8	2.7	1.7	.6	.2												73	73	123	60			
43		4.1	1.4	.8	.5	.3												65	65	85	28			
41	.2	.9	1.9	1.6	.5	.1												47	47	25	119			
39	.1	1.2	1.5	1.7	1.0													52	52	49	89			
37	.1	1.6	1.6	1.0	1.0													47	47	41	74			
35		2.2	1.3	1.4														45	45	59	62			
33		.4	.9	1.3														24	24	51	63			
31		.2	.8	.1														10	10	30	63			
29		.2																2	2	30	44			
27																				12	36			
25																				3	17			
23																					15			
21																					25			
19																					22			
17																					25			
15																					6			
TOTAL	1.521	326	722	716	1	7.4	3.0	1.3	.4									900	900	900	900			
																					900		900	

2

J. CLIMATOLOGY BRANCH

METAC

A. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

222 GALENA AFS AK

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300
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															
7 51			.1															1																		
7 50		.1		.3	.1													5														5		1		
7 57			.1	.2	.2	.1	.1											7													7		1	1		
7 55		.9	.6	.4	.4		.1											22													22		2			
7 53		1.1	1.1	1.2	.3	.6	.1											57													57		11			
7 51		1.2	1.1	1.4	.4													56													56		23			
7 49	.1	1.3	1.3	1.9	.9													99													99		52	18		
7 47	.4	1.8	2.4	2.1	.6	.3												105													105		89	50		
7 45	.4	1.2	1.9	1.8	.2													103													103		121	61		
7 43		1.1	1.1	1.2	.2													87													87		92	85		
7 41	.3	1.2	1.4	1.3	.2													96													96		119	80		
7 39	.2	1.6	1.3	1.1														65													65		82	107		
7 37	.4	1.2	1.2	1.7	.1													54													54		70	71		
7 35	.6	1.2	1.9	1.9														59													59		71	64		
7 33	.3	1.6	1.3	1.2														45													45		50	75		
7 31		1.0	.6	.7														22													22		35	69		
7 29		.1	1.0															10													10		11	44		
7 27		.2	.6															7													7		17	36		
7 25																																		17	46	
7 23																																		1	3	
7 21																																			12	
7 19																																			23	
7 17																																			25	
7 15																																			11	
TOTAL	2.9	35.8	36.3	17.9	3.8	1.0	.2											900													900		900		900	
Element (X)	Σ x ²					Σ x					x					n					No. Obs.					Mean No. of Hours with Temperature										
Rel. Hum.	5252994					67788					75.312.796					900					≤ 0 F					≤ 32 F					≥ 67 F					Total
Dry Bulb	1777080					39536					43.9					900					≤ 0 F					≤ 32 F					≥ 67 F					90
Wet Bulb	1527987					36607					47.7					900					≤ 0 F					≤ 32 F					≥ 67 F					90
Dew Point	1248496					32680					36.3					900					≤ 0 F					≤ 32 F					≥ 67 F					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73220 GALENA AFS AK 73-82 YEARS SEP
STATION STATION NAME MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
73/69						.1	.0																										6	6		
67/67					.0	.2	.1	.2	.2	.0																							41	41		
66/65					.0	.0	.0	.2	.1	.1	.0																						72	32		
63/63					.1	.0	.4	.2	.1	.2	.0																						68	68		
61/61				.0	.1	.2	.5	.2	.2	.1	.0																						94	94	3	
59/59		.0	.1	.4	.5	.6	.3	.2	.0																								150	150	1	
57/57		.0	.3	.8	1.2	.6	.4	.1																									244	244	13	1
55/55		.5	.8	1.1	1.1	.6	.2	.0																									311	311	46	4
47/53	.0	.6	1.8	1.7	1.0	.5	.1																										410	410	144	29
47/51	.2	1.3	2.3	1.4	.8	.4	.1																										461	461	282	17
47/49	.2	2.8	3.1	1.5	.9	.4																											634	634	543	153
47/47	.3	4.0	2.5	1.4	.8	.2	.0																										566	566	738	312
47/45	.3	4.4	2.4	1.2	.5	.1																											645	645	828	531
47/43	.1	4.7	2.3	1.4	.3	.3																											654	654	713	663
47/41	.4	2.8	2.8	1.4	.4	.0																											565	565	725	750
47/39	.7	3.2	2.6	.9	.4	.0																											533	533	590	641
37/37	.5	2.7	2.0	1.1	.2																												465	465	594	574
37/35	.7	2.5	1.8	1.1	.1																												446	446	579	563
37/33	.3	2.1	1.6	.9	.																												362	362	426	491
27/31	.1	1.5	1.2	.4																													227	227	355	582
27/29	.0	.7	.9																														115	115	371	496
27/27	.2	.4	.2																														44	44	179	322
27/25		.1	.1																														15	15	102	242
27/23	.0	.1																															8	8	01	131
27/21	.1																																4	4	6	167
27/19																																				174
17/17																																				140
17/15																																				54
17/13																																				18
17/11																																				1
TOTAL	3.9	34.5	28.4	16.6	8.5	4.8	1.8	1.0	.4	.1																							7200	7200	7200	
Element (X)	ΣX'		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	39922506		523698		72.7		15.948		7200		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total													
Dry Bulb	15105442		324348		45.1		8.254		7200				41.3		4.7								720													
Wet Bulb	12550400		296314		41.2		7.029		7200				96.4										720													
Dew Point	9892562		260238		36.1		8.220		7200				233.5										720													

FORM 0-26-5 (OL A) REVISI INVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2.

YEARS

73-82

GCT
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

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

USAFETAC

PSYCHROMETRIC SUMMARY

73-82

YEARS

201
MONTH

PAGE 2 0000-0260
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
21-23	.1																	1	1	1	3											
1-25																					1											
2-1-27																					2											
1-1-1	23.0	61.6	13.7	1.0														930		930	930											

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

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2220 CALENA AFS AK

73-80

OCT

STATION

STATION NAME

YEARS

MONTH

P. 50 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4 / 45		.3	.3															6	6	3	1
4 / 43			.1	.2														3	3	1	2
4 / 41	.9	.4	.1	.1														14	14	13	8
4 / 39	.1	.3	1.1															14	14	5	4
4 / 37	1.2	1.3	.3	.1														27	27	21	14
4 / 35	1.2	1.9	1.4	.1														43	43	32	17
4 / 33	.9	5.7	1.3															73	73	36	19
4 / 31	1.0	6.1	1.3															66	86	92	43
4 / 29	1.8	4.4	1.3															67	67	73	64
4 / 27	.9	4.7	1.2															63	63	65	71
4 / 25	1.5	5.6	.6															72	72	78	56
4 / 23	.9	3.0	.4	.1														41	41	60	41
4 / 21	2.3	3.5	.2															58	58	55	65
4 / 19	1.3	4.6																55	55	54	70
4 / 17	1.3	3.5	.4															49	49	57	47
4 / 15	1.2	3.3																42	42	36	55
4 / 13	1.4	3.7																47	47	49	43
4 / 11	2.0	2.0																38	38	46	51
4 / 9	.4	1.8																21	21	25	45
4 / 7	.2	2.0																21	21	16	56
4 / 5	1.1	.8																17	17	32	35
4 / 3	.5	.5																10	10	10	21
4 / 1	1.1	.2																12	12	10	34
4 / -1	1.7	.1																17	17	18	14
-4 / -3	1.1	.1																11	11	12	18
-4 / -5	.9																	8	8	6	18
-4 / -7	.5																	5	5	5	9
-4 / -9	.1																	1	1	1	9
-4 / -11	.1																	1	1	1	3
-4 / -13	.1																	1	1	1	6
-4 / -15	.3																	3	3	3	4
-4 / -17	.1																	1	1	1	2
-4 / -19																					2
-4 / -21																					1
Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220	SALENA AFS AK
STATION	STATION NAME

73-82

YEARS

 OCT
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
7-23	.2																		2	2	2	2											
7-25																						1											
7-27	.1																		1	1	1	1											
7-29																						1											
7-31																						1											
TOTAL	29.16	4	9.8	.6															970	930		930											
																			970	930													

2

GLOBAL CLIMATOLOGY BRANCH
AFSETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2 220 GALENA AFB AK
STATION STATION NAME

73-82

YEARS

OCT

MONTH

PAGE 1

7600-0800

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				
4 / 40			.3															3	3	2					
4 / 42			.2	.3														5	5	2	3				
7 / 41	1.2				.2	.1												14	14	12	13				
7 / 39	.2	.9	.9		.1													19	19	5	2				
7 / 37	.4	.8	.1															12	12	16	4				
7 / 35	.9	2.3	1.1	.1														40	40	20	13				
7 / 33	1.5	3.4	1.8															61	61	47	22				
7 / 31	2.	7.0	.9															92	92	95	50				
7 / 29	1.2	4.0	1.2															59	59	73	52				
7 / 27	1.1	4.5	1.7															63	63	65	62				
7 / 25	1.4	4.8	.1															63	63	83	65				
7 / 23	1.1	3.3	.3	.2														46	46	59	44				
7 / 21	2.5	3.7	.2															57	57	56	61				
7 / 19	2.3	1.6																71	71		73				
7 / 17	1.7	2.5	.2															41	41		54				
7 / 15	1.7	4.0																46	46		69				
7 / 13	1.7	2.6																40	40	23	43				
7 / 11	1.1	2.5																33	33	20	38				
7 / 9	.5	1.7																21	21	27	33				
7 / 7	.8	3.4																39	39	24	34				
7 / 5	.4	.5																6	6	29	27				
7 / 3	.6	.8																13	13	13	35				
7 / 1	.1	.2																3	3	4	32				
7 / -1	1.3	.2																16	16	14	18				
7 / -3	1.2																	11	11	13	16				
7 / -5	1.1																	10	10	15	13				
7 / -7	.9																	6	6	8	7				
7 / -9	.6																	6	6	6	6				
7 / -11																					12				
7 / -13	.1																	1	1	1	5				
7 / -15	.2																	2	2	2	3				
7 / -17																					4				
7 / -19	.1																	1	1	1	1				
7 / -21	.2																	2	2	2	3				
Element (X)	Σx^2	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature							Total												
Rel. Hum.						$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$		Total												
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

GLOBAL CLIMATOLOGY BRANCH
NAFSTAC
A - LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 321	DALENA AFS AK
STATION	STATION NAME

73-62

YEARS

051
MONTH

PAGE 2 CASE-2800
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1-27	.2																	2	7	2	2															
1-29	.1																	1	1	1	1															
1-33																					3															
141	20.661	3.84	.5	.2															930	930	930															

CLIMAT CLIMATOLOGY BRANCH
USFETAC
U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 1220 GALENA AFS AK

73-82

Q C I

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0955-1140

NOV 11 1961

[illegible]

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

JSAFETAC

PSYCHROMETRIC SUMMARY

7 222 GALENA AFS AK
STATION STATION NAME

73-82

YEARS

22
MONT

PAGE 2 1930-11-30

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
1/-17	.3																	3	3	3	3					
1/-21	.1																	1	1	1	1					
1/-23																										
1/-25	.2																	2	2	2	2					
1/-27																										
1/-29																										
TAL	21.056	217.2	2.5	.3														930	930	930	930					
																		930	930	930	930					
																				</						

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73220 GALENA AFB AK

73-82

CCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

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
5 / 55							.1											1	1	
4 / 53							.1											1	1	
3 / 51				.1	.2													2	2	
2 / 49				.2	.4	.1												3	3	
1 / 47			.1	.3	.2	.1												4	4	
4 / 45			.6	.5	.6													17	17	
4 / 43			.6	.4	1.3	.1												23	23	14
3 / 41			.3	.5	.4													12	12	13
2 / 39	.4	.8	1.4	1.1	.2													35	36	18
1 / 37	.3	1.9	2.6	1.9														57	57	31
0 / 35	.2	2.6	4.5	.3														71	71	43
3 / 33	.3	1.5	1.7	.5	.3													41	41	73
2 / 31	1.6	5.4	2.8	2.6	.3													118	114	77
1 / 29	.2	6.2	1.7	1.9														45	45	70
0 / 27	.4	4.9	1.7	.1														58	58	62
-1 / 25	.6	5.1	1.5	.1														68	68	56
-2 / 23	.5	2.5	1.4															37	37	75
-3 / 21	1.6	5.3	1.5	.1														73	73	65
-4 / 19	.5	2.8	2.5															59	59	71
-5 / 17	.3	2.7	1.9															37	37	76
-6 / 15	.7	1.4	.3															18	18	42
-7 / 13		1.5																14	14	11
-8 / 11	.5	1.3																17	17	53
-9 / 9	.2	1.4																15	15	13
-10 / 7		1.2																11	11	13
-11 / 5	.2	1.3																14	14	15
-12 / 3	.6	1.2																17	17	19
-13 / 1	.1	.2																3	3	9
-14 / -1	.1																	1	1	1
-15 / -3																				14
-16 / -5	.2																	2	2	2
-17 / -7	.1																	1	1	1
-18 / -9	.1																	1	1	1
-19 / -11	.1																	1	1	1
Element (X)	Σ X ²	Σ X	X	X ²	No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.							≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

USAFETAC

GENERAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

255 SALVA AF2 RA
STATION STATION NAME

73-82

2548

MONT

PAGE 2 12-14-44
NOV 15 1944

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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																																		2	2	
1/-12																																					4
1/-17	.1																																	1	1	1	
1/-19	.1																																	1	1	2	
1/-20																																				1	
1/-25																																				1	
1/-	0.65	0.82	0.21	.0	1.0	.0																												23	930	93	

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 22"	GALENA AFS AK
STATION	STATION NAME

73-87

YEAR

GCT
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				
47-57				.3		.3												5	5						
47-51				.4		.1	.1											6	6						
47-45			.3	.3	.1	.1												8	9						
47-47			.3	.3	.3													9	9	3					
47-40		1.0		.3	.3													14	14	16					
47-43		.1	.5	1.0	.3													19	19	6	6				
7-41		.4	.1	1.1														15	15	14	10				
7-3	.4	.9	1.3	1.6	.1													45	45	23	7				
7-37		1.5	2.0	1.6														43	43	21	17				
7-35	.3	4.0	4.0	.2	.2													61	61	42	4				
7-33	.2	2.5	2.2	1.1	.0													61	61	41	24				
7-31	1.0	6.0	3.2	2.7	.2													117	117	76	75				
7-27	.5	3.3	2.4	1.3	.1													75	75	54	46				
7-27	.4	2.7	2.4	.5														65	65	43	60				
7-25	.5	3.2	2.7															56	56	44	90				
7-23	.4	3.6	.9	.2														49	49	33	43				
27-21	1.4	3.7	1.7															73	63	54	49				
7-19	.5	2.3	1.6															46	46	52	67				
7-17	.5	2.9	.6															38	38	48	63				
7-15	.1	2.2	.4															25	25	36	81				
7-13	.1	1.3																13	13	15	43				
1-11	.4	1.2																15	15	21	41				
7-7	.3	1.5																16	16	12	45				
7-7	.1	1.1																11	11	16	35				
7-7	.2	.6																8	9	13	35				
7-7	.4	1.3																13	13	12	17				
7-1	.2	.2																4	4	7	14				
7-1	.1																	1	1	2	12				
-7-3																					1				
-7-5	.1																	1	1	1	11				
-7-7	.1																	1	1	1	2				
-7-9	.2																	2	2	2	3				
-7-11	.1																	1	1	1	3				
-1-13	.1																	1	1	1	1				
Element (X)	Σ x'	Σ x	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.							≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																									
Wet Bulb																									
Dew Point																									



PSYCHROMETRIC SUMMARY

13-62

YEARS

MON T

PAGE 2 1500-17.5
MOVIES 11-5-1-1

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	
1/-15	.2																																	2	2	2	1
1/-17	.1																																	1	1	1	2
1/-19																																					2
1/-21																																					2
2/-23																																					1
1.111	2.548	6.26	6.12	6.2	2.2	.5	.1																											930		930	

Element (X)	Z _R ¹	Z _R	X	°R	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	8303329	65571	70.5	3.925	937	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	427289	25937	27.9	10.577	930	1.0	62.4					93
Wet Bulb	695341	23567	25.3	9.739	930	1.1	72.2					93
Dew Point	454808	17742	19.1	11.191	930	5.6	86.0					9

CLIPAL CLIMATOLOGY BRANCH
MAGTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

221	GALENA AFS AK
STATION	STATION NAME

73-87

YEARS

100
 MONTH

PAGE 1 1875-2000
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															
57 / 51				.1														1	1																
57 / 49			.3		.2													5	5																
57 / 47		.2		.2														5	5																
47 / 45		.8	.1	.2	.1													11	11	9															
47 / 43	.2	.6	.1	.6														15	15	10															
47 / 41	.1	.5	.1	.2														9	9	11															
57 / 39	.1	.4	1.5	.4														23	23	11															
57 / 37	.5	1.1	1.7	.3														34	34	22															
57 / 35	.2	3.1	3.4	.6														70	70	29															
37 / 33	1.0	3.6	3.1	.1	.1													75	75	66															
57 / 31	1.2	6.9	2.6	.8	.1													98	98	57															
57 / 29	.8	4.3	3.2	.6														83	83	92															
57 / 27	.3	4.7	1.5	.4														65	65	60															
57 / 25	1.2	3.9	1.8	.1														63	63	95															
57 / 23	.5	3.7	1.6															56	56	74															
57 / 21	1.2	3.4	.8															48	49	59															
57 / 19	1.2	3.9	1.3															59	59	64															
57 / 17	.5	3.3	.3															43	43	50															
57 / 15	.3	2.3	.1															25	25	38															
57 / 13	.4	2.6																27	27	27															
57 / 11	.3	1.8																20	27	24															
57 / 9	.5	1.3																18	18	27															
57 / 7	.1	2.3																22	22	14															
57 / 5	1.2	.4																13	13	25															
57 / 3	.3	1.3																12	12	9															
57 / 1	.5	.4																9	9	13															
57 / -1	.3																	3	3	3															
57 / -3	.2																	2	2	2															
57 / -5	.2																	2	2	2															
57 / -7	.3																	3	3	3															
57 / -9	.3																	3	3	3															
57 / -11	.2																	2	2	2															
57 / -13	.1																	1	1	1															
57 / -15	.1																	1	1	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																																			

PSYCHROMETRIC SUMMARY

73-82

YEARS

GC I
MONTH

PAGE 2 1800-2100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
1/-17	.2																	2	2	2	1												
1/-19	.1																	1	1	1	5												
1/-21	.1																	1	1	1	2												
2/-23																					2												
2/-25																					1												
2/-27																					1												
TOTAL	14.756	323.7	5.1	.5														930	930	930	930												
																						930		930									
																						</											

GENERAL CLIMATOLOGY BRANCH
METAC
4.0 LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

220	GALENA AFS AK
STATION	STATION NAME

73-42

YEARS

657
MONTH

PAGE 1 2100-2700
HOURS (11-5-7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 41			.2															2	2					
1 / 41			.1	.4														5	5					
1 / 40			.5	.2														7	7	6				
4 / 43	.1	.2		.3														6	6	4	6			
1 / 41	.5	.3	.4	.2														14	14	14	7			
1 / 39	.5	.6	.6	.3														20	20	18	10			
2 / 37	.5	1.4	1.5	.1														26	28	21	9			
1 / 35	.4	2.7	2.5	.1														53	52	21	14			
3 / 33	1.1	4.1	2.8															74	74	67	22			
2 / 31	1.3	7.5	1.6	.1														98	98	65	49			
1 / 29	.9	2.9	1.9															53	53	53	53			
1 / 27	.6	4.9	2.0	.2														73	73	55	64			
1 / 25	1.2	5.3	1.9	.1														70	70	62	73			
1 / 23	.9	3.4	1.2															49	49	76	57			
2 / 21	1.1	2.6	1.0															42	42	65	55			
1 / 19	1.2	4.1	.8															56	56	51	71			
1 / 17	1.0	4.7	.3															56	56	45	48			
1 / 15	1.3	3.9																45	45	62	48			
1 / 13	.6	2.4																28	28	38	54			
1 / 11	.5	1.6																20	20	31	47			
1 / 9	1.2	1.9																29	29	29	42			
1 / 7	.5	2.3																24	24	20	37			
1 / 5	.6	.9																14	14	23	25			
1 / 3	.9	1.1																18	18	18	36			
1 / 1	.4	.4																8	8	7	26			
1 / -1	1.0	.1																10	10	12	20			
1 / -3	.4																	4	4	5	11			
1 / -5	.4																	4	4	4	15			
1 / -7	.5																	5	5	5	9			
1 / -9	.3																	3	3	3	9			
1 / -11	.4																	4	4	4	3			
1 / -13	.1																	1	1	1	4			
1 / -15	.1																	1	1	1				
1 / -17	.1																	1	1	1	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																								

PSYCHROMETRIC SUMMARY

YEARS

051
MONTH

PAGE 2 2:23-23:00
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	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					
1/-19																										
1/-21	.2																	2	2	2	1					
1/-23	.1																	1	1	1	1					
1/-25	.2																	2	2	2	1					
1/-27																										
1/-29																										
1/-31																										
TOTAL	21.858	711.2	2.2															930	930	930	930					

PSYCHROMETRIC SUMMARY

YEARS

552

MONTH

PAGE 1

ALL
HOURS 12. 5. 7. 1

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

USAFETAC

GENERAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

STATION 285 DALENA AFB AK STATION NAME 73-62 YEARS 1967 MONTH ALL

PAGE 2 HOURS (L, S, T) ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / -13	.1																																5	9	9	24
1 / -15	.2																																13	13	13	24
1 / -17	.1																																10	10	10	14
1 / -19																																	3	3	3	12
1 / -21	.1																																8	8	8	10
2 / -23	.1																																4	4	4	12
1 / -25	.1																																4	4	4	6
1 / -27	.3																																3	3	3	6
1 / -29																																	1	1	1	6
1 / -31																																				
1 / -33																																				
TOTAL	17	25	7	4	17	8	4	3	6	1																							7440		7440	
																																	7440		7440	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	44515418	567818	76.382	5.97	7440	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	744
Dry Bulb	5436474	182152	24.501	4.60	7440	26.3	563.4					744
Wet Bulb	4734856	169462	22.800	5.45	7440	27.1	623.7					744
Dew Point	3444238	132520	17.812	5.70	7440	63.5	691.6					744

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

220 CALIFIA AFB AK

73-87

402

STATION

STATION NAME

YEARS

MONIN

PAGE 1

2016-0203

HOURS 11-5-7

[illegible]

— — —

GLOBAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 222 STATION NAME GALENA AFS AK

73-92

YEARS

NOV
MONTH

PAGE 2 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	
1/-27	1.3																																	11	11	11	14
1/-29	.2																																	7	7	7	14
1/-31	1.0																																	9	9	9	15
1/-33	.1																																	1	1	1	16
3 1/-35	.3																																	3	5	5	14
1/-37																																			5		11
1/-39	.2																																	2	5	2	7
1/-41																																			4		5
1/-43																																			7		
4 1/-45	.1																																	1	3	1	
1/-47																																					2
1/-51																																					1
TAL	57.8	39.8	2.4																															376	900	876	976

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR FATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

220 DALNA AFS AK

73-62

474

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7. 225	SPLENA AFS AK
STATION	STATION NAME

77-47

YEARS

3.21 MONTHS

PAGE 2 0370-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
/-29	1.1																																10	10	10	11
/-31	1.2																																9	9	9	10
/-33	.5																																4	4	4	15
/-35	.3																																3	5	3	5
/-37																																		6		2
/-39																																		2		7
/-41																																		10		4
/-43																																		4		1
/-45																																		2		
/-47																																		1		
/-49																																		2		
TOTAL	55.9	38.9	2.2																														871		871	871

PSYCHROMETRIC SUMMARY

75-83

424

STATION

STATION NAME

YEARS

LONGER

PAGE 1

0400-390

HOURS 11 5 7

[illegible]

FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

220 GALENA AFB AK
STATION STATION NAME

72-42

YEARS

825
MONTH

PAGE 2 7675-3833
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
/-29	.7																																	6	6	6	13
/-21	1.1																																5	5	5	11	
/-33	.6																																5	5	5	10	
3 /-35	.1																																1	3	1	10	
/-37																																				1	
/-39																																					
/-41																																					
/-43																																					
4 /-45																																					
4 /-47																																					
4 /-49																																					
11.11	57.54	2.4	2.1																																867	867	
Element (X)	Σ X'	Σ X	X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature												Total																		
Rel. Hum.	5051435	64873	74.815	1195	867	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F						Total																				
Dry Bulb	314322	4116	4.618	132	900	32.2	86.3						90																								
Wet Bulb	245031	4995	5.705	823	867	31.0	87.7						90																								
Dew Point	291321	-211	-2.218	300	867	81.7	88.3						90																								

2

CLIMATE CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION CALENA AFS AK

73-82

YEARS

NOV
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
7/37		.1																11	11					
7/35		.7	.3															13	13	3				
7/33	.5	1.1	.1															15	15	7				
7/31	.2	1.1	.1															13	13	11				
7/29		.6	.2															7	7	4				
7/27	1.5	2.5	.3															38	38	19				
7/25	1.3	.8	.1															19	19	22				
7/23	.7	.8	.1															14	14	20				
7/21	2.4	1.5	.1															31	31	19				
7/19	2.2	3.7																51	51	30				
7/17	1.5	2.4	.1															35	35	26				
7/15	1.4	2.9	.2															39	39	29				
7/13	1.3	3.2																39	39	49				
7/11	2.5	3.6																50	50	31				
7/9	1.8	3.7	.2															50	50	28				
7/7	2.3	3.8	.1															54	54	45				
7/5	1.5	1.5																27	27	23				
7/3	1.7	2.4																28	28	51				
7/1	2.6	3.4																53	53	40				
7/-1	2.0	.7																29	29	22				
7/-3	2.2	.7																25	25	30				
7/-5	1.1	.2																12	12	28				
7/-7	2.2																	28	28	19				
7/-9	4.1																	36	36	21				
7/-11	2.8																	24	24	32				
7/-13	.8																	7	7	25				
7/-15	2.2																	19	19	25				
7/-17	2.1																	18	18	22				
7/-19	1.4																	12	12	37				
7/-21	1.4																	12	12	17				
7/-23	2.3																	17	17	17				
7/-25	1.5																	13	13	12				
7/-27	1.7																	15	15	23				
Element (X)	Σ X ²		Σ X		X	°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 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

7	22	GALENA AFS AK	73-82	NOV
	STATION	STATION NAME	YEARS	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														
1-29	.6																	5	5	5	17														
1-31	.7																	3	3	3	17														
1-33	.5																	4	4	4	23														
3 1-35	.3																	3	5	3	5														
1-37																			5																
1-39																			4		7														
1-41																			7		5														
2 1-43																			2																
4 1-45																			4		1														
1 1-47																			2																
1-49																			2																
TAL	50.34	1.1	2.5																870	899	870														
																				870															

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM 11-1

YEARS

1. 220	GALENA AFS AK
STATION	STATION NAME

73-62

474

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

[illegible]

FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

73-62

YEARS

22 MONTH

PAGE 7 1200-1400
HOURS (L. S. T.)

0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GENERAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 222 GALENA AFS AK
STATION NAME

73-80

YEARS

NOV
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			.1																													1	1		
39				.2																												2	2		
37		.7	.1																													7	7	9	5
35		.7	.3	.1																												10	13	7	7
33		.1	1.7	.6	.2																											23	23	9	4
31			.6	.2																												7	7	15	6
29		.5	1.6	.8																												25	25	12	7
27		.5	1.6	.1																												20	23	25	14
25	1.1	2.3		.3																												33	33	36	21
23	1.3	1.2	.1																													21	21	27	15
21	.1	3.6	.2																													35	35	21	27
19	2.3	2.5	.2																													44	44	53	33
17	2.1	1.9	.1																													37	37	37	29
15	1.5	3.6																														45	45	32	47
13	2.3	2.5	.5																													52	52	55	42
11	4.7	3.7	.2																													77	77	67	37
9	.9	2.9																														34	34	46	50
7	1.4	4.1																														48	48	48	39
5	.5	2.8																														29	29	37	22
3	1.5	2.8																														38	38	44	24
1	1.5	2.4																														34	34	36	42
-1	2.8	.8																														32	32	32	31
-3	2.3	1.5																														27	27	26	42
-5	2.1	.7																														33	33	34	31
-7	1.9																															16	16	22	25
-9	1.9																															17	17	17	31
-11	2.5																															22	22	22	24
-13	2.4																															21	21	21	24
-15	1.8																															16	16	16	27
-17	2.5																															22	22	22	18
-19	2.1																															19	19	19	25
-21	1.4																															12	12	12	22
-23	.5																															4	4	4	19
-25	.7																															6	6	6	20
Element (X)	Σ x'	Σ x	Y	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																																			

USAFETAC FORM 44 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AND WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-24	WALENA AFS AK	73-42		NOV
STATION	STATION NAME	YEARS		MONTH

PAGE 2 ~~1500-1700~~
HOURS 11:30-1:15

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1-7	.6																	5	5	5	21				
1-29	.2																	5	2	4	3				
1-31	.3																	3	3	3	15				
1-33	.6																	5	5	5	3				
1-35	.1																	1	4	1	5				
1-37																			6		1				
1-39																			3		2				
1-41																			1		4				
1-43																			2		3				
TOTAL	51.24	5.0	3.5	.2														885	240	885					

Element (X)	Σ X'	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4293539	65188	73.714	732	885	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	281716	6442	7.216	189	900	27.8	85.7					90
Wet Bulb	239646	6370	7.214	206	885	27.4	87.5					90
Dew Point	260769	873	1.007	147	885	81.9	98.4					90

CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

7 220	DALENA AFS AK
STATION	STATION NAME

73-82

YEARS

NOV
MONTH

PAGE 1 1570-2000
HOURS 11:51

[illegible]

2

CLIMATE CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 22 CALCHA AFS AK STATION NAME

73-00

YEARS

NOV
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
1-20	1.																																	9	9	9	11
1-25	.8																																	7	7	7	12
1-27	.6																																	5	5	5	17
1-29	.7																																	5	5	5	1
1-31	.5																																	5	5	5	14
1-33	.3																																	3	3	3	5
1-35	.3																																	3	6	3	1
1-37																																			4		1
1-39																																			4		1
1-41																																			4		1
1-43																																			3		4
42-45																																					
1-49																																				1	
TOTAL	50.44	3.3	3.3																															FRJ	540	50.2	

Element (X)	Σ X ²	Σ X	Σ X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	50.45176	65.368	14.378	6.88	240	10 F	12 F	16 F	23 F	30 F	93 F	
Dry Bulb	248988	5124	5.717	2.00	240	32.7	66.7					90
Wet Bulb	240157	5361	6.115	3.69	240	30.3	58.1					90
Dew Point	275083	21	2.087	6.49	240	44.1	88.5					90

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

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

220 GALEVA AFS AK

73-62

405

STATION

STATION NAME

YEARS

MONTH

PAGE 1

21-3-2300

[illegible]

PSYCHROMETRIC SUMMARY

1. 225 STATION GALENA AFS AK STATION NAME

23-82

YEARS

~~NOV~~
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1-29	.9																	8	3	8	13														
1-31	.7																	6	7	6	13														
1-33	.6																	5	5	5	17														
1-35	.2																	2	8	2	8														
1-37																			5		11														
1-39																			4		4														
1-41																			6		4														
2-43																			2																
4-45																			1																
1-47																			2																
TAL	56.841.1	3.0																	900		872														
																		872		872															

Element (X)	Σx'	Σx	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4295416	64728	74.204	.820	872	≥ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	297138	4436	4.917	.508	900	31.1	86.6					90
Wet Bulb	239232	4926	5.605	.579	872	31.5	87.8					90
Dew Point	279437	-377	-4.17	.906	872	45.5	89.0					90

YEARS	NOV
	MONTH

7 22. GALFNA AFS. AK

73-62

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

MOUSE 1 2 3 4

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			.3															1	1																
+ / 43			.3															1	1																
+ / 41	.1		.3															5	5	4	3														
+ / 39	.1	.1	.3															14	14	10	7														
+ / 37	.5	.4	.1															16	66	41	27														
+ / 35	.3	.4	.3															72	72	55	44														
+ / 33	.4	1.3	.4	.3														143	143	95	42														
+ / 31	.4	1.0	.2	.0														109	109	141	91														
+ / 29	.4	1.0	.3															117	117	98	66														
+ / 27	.8	2.0	.2															204	204	175	115														
+ / 25	1.1	2.1	.3															246	246	248	164														
+ / 23	.9	1.3	.1															164	164	215	119														
+ / 21	1.1	2.1	.2															240	240	270	190														
+ / 19	2.2	3.0	.1															376	376	343	277														
+ / 17	1.3	2.0	.1															235	235	256	219														
+ / 15	1.6	3.0	.1															323	323	267	270														
+ / 13	2.5	2.9	.2															390	390	357	301														
+ / 11	3.5	2.9	.1															450	450	444	308														
+ / 9	1.9	3.2	.0															359	359	342	358														
+ / 7	1.3	3.7	.1															359	359	346	299														
+ / 5	1.3	1.6																201	201	327	185														
+ / 3	2.3	2.4																329	329	318	232														
+ / 1	2.0	3.1																358	358	375	345														
+ / -1	2.0	.6																229	229	295	276														
+ / -3	2.5	.8																228	228	236	255														
+ / -5	2.4	.6																209	209	199	243														
+ / -7	2.8																	198	198	24	192														
+ / -9	1.1																	218	218	218	202														
+ / -11	2.5																	175	175	175	216														
+ / -13	1.7																	116	116	116	160														
+ / -15	1.9																	133	133	133	238														
+ / -17	1.5																	115	115	115	206														
+ / -19	1.0																	110	111	110	211														
+ / -21	1.5																	113	113	113	166														
Element (X)	Σ g'	Σ g	X	g _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																																			

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR FATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

225	GALENA AFS AK
STATION	STATION NAME

73-82

YEARS

12
MONTHS

PAGE 2

HOURS 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				
2/-23	1.5																	105	105	105	103				
1/-25	1.1																	78	78	78	101				
1/-27	1.0																	69	69	69	106				
1/-29	.6																	85	85	85	110				
1/-31	.7																	47	49	47	114				
1/-33	.4																	31	32	31	101				
3 1/-35	.3																	19	42	19	74				
2 1/-37																			42		62				
1 1/-39	.0																	2	27	2	56				
1/-41																			41		35				
2/-43																			20		12				
4/-45																		1	10	1	2				
4 1/-47																			8						
1 1/-49																			6		2				
1/-51																					1				
1 141	55.641	5.20	.0																7199		7003				
																		7003		7003					

Element (X)	Σ x'	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	40188623	520143	74.318	908	7003	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2392233	39521	5.507	384	7199	243.7	689.8					720
Wet Bulb	1946161	42855	6.185	568	7003	240.5	700.5					720
Dew Point	2288645	311	0.017	920	7003	342.9	737.4					720

2

GENERAL CLIMATOLOGY BRANCH
INLETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 72 GALENA AFS AK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

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															
47																		1													1				
41																		2													2				
37																																	1		
35			.1	.2														3													3		2		
33			.4															3													3		3	1	
31		.4	.4	.4														9													9		7	5	
29			.5															4													4		5	2	
27		.1	.2															3													3		1	4	
25		.4	1.3															14													14		14	7	
23			.9	.1														8													8		8		
21		.4	.5	.2														9													9		12	1	
19		1.2	2.1															25													25		15	15	
17			1.5	.2														14													14		19	10	
15			2.1	.2														19													19		9	5	
13		.5	3.2															31													31		27	13	
11		.2	3.9															34													34		29	12	
9		.1	2.2															19													19		36	27	
7		.2	2.6															25													25		20	13	
5		.4	2.3															22													22		30	10	
3		1.5	1.6															21													21		26	29	
1		1.3	3.9															43													43		29	32	
-1		2.0	1.6															34													34		38	25	
-3		2.2	.2															20													20		31	24	
-5		3.5	1.0															37													37		31	16	
-7		4.4	.1															37													37		45	33	
-9		3.9																32													32		32	30	
-11		3.6																30													30		30	39	
-13		2.1																17													17		17	34	
-15		5.1																42													42		42	20	
-17		3.1																25													25		25	23	
-19		4.1																33													33		33	34	
-21		3.9																32													32		32	41	
-23		3.4																28													28		28	29	
-25		4.1																33													33		33	29	
Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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



GLOBAL CLIMATOLOGY BRANCH
 0 AFETAC
 0 0 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220	GALENA AFS AK
STATION	STATION NAME

73-44

YEARS.

3 A-5

~~SECRET~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	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															
1-27	4.1																	34	34	74	17														
1-29	3.1																	28	28	28	13														
1-31	2.9																	24	24	24	13														
1-33	3.7																	22	22	22	31														
1-35	.5																	4	12	4	3														
1-37																																			
1-39																																			
1-41																																			
1-43																																			
1-45																																			
1-47																																			
1-49																																			
1-51																																			
TOTAL	5.731	8.2	1.2	1.1														923	923	623															

2

AL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 020 CALENA AFS AK

73-82

DEC

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																				
73			.1															1													1									
72			.1															1													1									
71			.1															1													1									
70		.2	.2															4													4		1							
69			.9	.6														12													12	5	2							
68			.2	.1														3													3	7	6							
67			.7															6													6	5	7							
66			.7	.2														9													9	8	3							
65			.7	.1														7													7	6	5							
64		.4	.4	.1														7													7	9	6							
63		.5	2.1	.2														23													23	16	17							
62			2.6	.1														22													22	16	4							
61		.5	2.3	.4														26													26	19	10							
60			3.2															26													26	23	13							
59		.4	3.2															29													29	20	13							
58		.2	2.7															24													24	22	22							
57		.5	2.3															23													23	24	25							
56		.5	.9															12													12	23	9							
55	1.3	2.4																31													31	29	31							
54	1.1	3.1																34													34	30	32							
53	4.5	1.5																49													49	47	23							
52	2.7	1.6																35													35	41	12							
51	2.3	1.5																21													21	31	26							
50	3.8																	31													31	37	29							
49	2.6																	21													21	21	34							
48	3.5																	29													29	29	33							
47	3.2																	26													26	26	21							
46	4.4																	36													36	36	34							
45	2.3																	19													19	19	27							
44	4.1																	33													33	33	36							
43	4.3																	39													39	39	32							
42	3.3																	27													27	27	38							
41	4.4																	35													35	37	29							
40	3.3																	31													31	31	24							
Element (X)	Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			No. Obs.			
Rel. Hum.																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								
																																								</

FORM 0-26-3 (OL A) REVISIO REF-004 EDITION OF THIS FORM ARE OBSOLETE

USAFETAC

73-82

YEARS

DEC
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

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

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 221 73-82 73-82 DEC
STATION STATION NAME YEARS MONTH
PAGE 1 7300-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
57 / 23		.2	.2		.4													7	7	5															
57 / 31			.5	.2	.4													9	9	3	4														
57 / 24			.1	.4	.1													5	5	4	2														
57 / 27			.7	.2														6	8	5	1														
57 / 75	.1	1.2	.2															13	13	18	2														
57 / 23			.2	.1														7	7	11	3														
27 / 21	.4	.1	.1															5	5	5	12														
57 / 17	.2	2.8	.2															27	27	11	13														
57 / 17	.1	1.9	.1															18	18	21	4														
57 / 17	.1	2.6	.5															26	26	25	12														
57 / 12	.6	2.9	.1															30	30	26	13														
57 / 11	.6	2.4																25	25	25	21														
57 /	.2	2.8	.1															26	26	28	27														
57 / 7	.1	2.1																18	18	20	17														
57 /	.5	1.3																15	15	23	17														
57 / 3	1.0	2.2																26	26	30	21														
57 / 1	1.1	3.8																40	47	31	27														
57 / -1	3.9	1.9																48	48	44	13														
57 / -3	1.7	1.3																24	24	39	25														
57 / -5	1.9	1.5																28	28	21	28														
57 / -7	4.5																	33	33	41	27														
57 / -9	3.9																	32	32	32	32														
57 / -11	3.7																	32	32	32	38														
57 / -13	3.5																	29	29	29	22														
57 / -15	4.7																	33	33	33	39														
57 / -17	3.5																	29	30	29	37														
57 / -19	4.6																	38	39	38	37														
57 / -21	4.1																	34	35	34	32														
57 / -23	2.4																	20	20	20	29														
57 / -25	4.3																	35	35	35	23														
57 / -27	2.6																	23	24	23	32														
57 / -29	2.1																	17	17	17	36														
57 / -31	3.9																	29	32	29	15														
57 / -33	3.2																	26	27	26	24														
Element (X)	ΣX	ΣX	$\bar{X}$	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																																			

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

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 ~~2650-2650~~
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1-35	1.3																	11	25	11	28														
2-37																			15		46														
3-39																			27		35														
4-41																			3		18														
5-43																			17																
6-45																			11		1														
7-47																			4		1														
8-49																			2		2														
9-51																			10		2														
10-53																			1																
11-55																			1																
121	64.9	32.4	2.4	2															932		922														
																		822		822															

Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3725162	54356	66.112	623	822	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	432788	-6594	-9.219	543	930	62.9	92.3					93
Wet Bulb	246175	-4721	-5.716	335	822	62.3	92.7					93
Dew Point	413916	-11340	-13.817	671	822	70.8	93.0					93

73-42

STATION

STATION NAME

YEARS

672

MONT H

PAGE : 0902-1140

MOUSE (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															
35			.2	.1														3	3																
34	.1	.1	.1	.2														5	5	4															
33	.2	.2	.1	.4														8	8	5															
32		.5		.2														6	6	3															
31			.5	.1														5	5	12															
30			.7	.1														7	7	10															
29			.6	.1														6	6	5															
28	.5	.2	.4															10	10	9															
27	.5	2.4																25	25	15															
26		3.2	.5															30	30	15															
25	.5	2.1																21	21	38															
24	.4	2.7	.4															28	28	23															
23	.6	2.2																23	23	24															
22	.1	2.4																21	21	26															
21		1.8																17	17	17															
20	.4	2.1																20	20	25															
19	.6	2.6																26	26	28															
18	1.1	4.3																44	44	40															
17	2.5	1.3																34	34	34															
16	2.9	.9																30	30	34															
15	2.1	1.3																28	28	26															
14	4.4																	36	36	45															
13	4.4																	36	36	36															
12	5.0																	41	41	44															
11	3.3																	27	27	27															
10	4.6																	38	38	38															
9	2.9																	24	26	24															
8	3.3																	27	27	27															
7	3.2																	26	26	26															
6	3.8																	31	31	31															
5	4.7																	33	33	33															
4	3.3																	27	29	27															
3	3.2																	26	28	26															
2	2.1																	17	18	17															
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																																			

15

PSYCHROMETRIC SUMMARY

23-62

YEARS

DEC
MONTH

PAGE 2 2950-11-2
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-33	2.4																	20	23	20	31														
1/-35	1.8																	15	32	15	27														
1/-37																			1		5														
1/-39	1																	1	16	1	15														
1/-41																			5		25														
1/-43																			11																
1/-45																			12		4														
1/-47																			5		1														
1/-49																			1		7														
1/-51																			12																
1/-53																			2																
1/1A1	64.1	32.4	1.9	4															8.30		8.2														
																		9.2		6.2															

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

USAFETAC

2

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 0207 SILENA AFS AK
STATION NAME

73-82

YEARS

DEC
MONTH

PAGE 1 1270-1400
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							
37 / 37			.2															2	2									
36 / 35		.4	.1															4	4	1								
35 / 33	.1																	1	1	6	1							
34 / 31	.2	.1	.5															7	7	2	5							
33 / 29	.4	.2	.4															8	8	4								
32 / 27	.1	.1																2	2	6	7							
31 / 25		1.0																8	8	9								
30 / 23		.5																4	4	6								
29 / 21	.7	.8	.4															16	16	13	3							
28 / 19	.9	2.0	.4															27	27	2	16							
27 / 17		1.7																14	14	14	10							
26 / 15		4.2	.4															38	38	25	9							
25 / 13	.4	3.3																26	28	27	13							
24 / 11	1.1	1.7																23	23	35	18							
23 / 9	.2	2.0																19	19	21	23							
22 / 7		2.6																22	22	13	40							
21 / 5	.4	1.9																19	19	29	13							
20 / 3	.5	3.5																33	33	30	13							
19 / 1	1.1	4.3																45	45	41	27							
18 / -1	2.7	.5																27	27	35	17							
17 / -3	3.2	.7																33	33	24	17							
16 / -5	2.5	1.6																34	34	27	22							
15 / -7	3.5																	30	33	40	27							
14 / -9	3.8																	32	33	32	37							
13 / -11	4.7																	56	57	56	34							
12 / -13	2.9																	24	25	24	31							
11 / -15	3.8																	32	32	32	25							
10 / -17	2.6																	22	22	22	38							
9 / -19	4.7																	39	40	39	51							
8 / -21	4.4																	37	37	27	30							
7 / -23	3.3																	28	28	28	19							
6 / -25	3.1																	26	26	26	30							
5 / -27	3.9																	33	35	33	45							
4 / -29	2.4																	20	23	20	27							
Element (X)	Σx^1	Σx	Σ	σ^2	No. Obs.	Mean No. of Hours with Temperature																						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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

USAFETAC
AF 64

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7	221	GALENA AFS AK
	STAT 3N	STATION NAME

77-82

YEARS

352

PAGE 2 125-145
HOURS 11:30 A.M. - 1:00 P.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1/-31	1.4																	12	14	12	10											
2/-23	2.7																	23	27	23	35											
3/-35	1.0																	5	19	5	37											
4/-37																			15													
5/-39																			10													
6/-41																			3													
7/-43	.1																	1	15	1	4											
8/-45																			7													
9/-47																			2		1											
10/-49																			5		1											
11/-51																			3													
TTL	64.8	32.7	2.4																		237											
																		577		577												

Element (X)	Σ X'	Σ X	X̄	S _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3611376	55530	66.3	12.325	837	≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	324759	-7471	-8.9	18.705	929	61.5	92.3					95
Wet Bulb	237262	-4392	-5.2	16.707	837	59.1	92.2					93
Dew Point	400083	-11139	-13.3	17.356	837	70.8	92.9					93

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 A - FATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1.220	DALENA AFS AK
STATION	STATION NAME

73-82

YEARS

DEC
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				
/ 29			.4															3	3					
/ 30			.4	.1														4	4					
/ 31			.2															2	2	7				
/ 32																				1				
/ 31			.5	.1														6	6	6				
/ 29	.4																	3	3	8				
/ 27			.2	.1														3	3	1				
/ 25			.6	.4														6	6	4				
/ 23			.1	.1														2	2	5				
/ 21	.7		.6	.5														15	15	11				
/ 19	1.1	2.5	.6															35	35	25				
/ 17	.1	2.3	.1															21	21	20				
/ 15	.5	3.3	.2															32	32	31				
/ 13	.6	2.5	.4															29	29	27				
/ 11	.2	3.1																26	26	26				
/ 9		2.3																19	19	34				
/ 7	.7	1.4																14	14	15				
/ 5	.6	2.9																29	29	19				
/ 3	.2	3.7																33	33	39				
/ 1	.1	3.2																34	34	34				
/ -1	1.5	.4																16	16	24				
- / -3	2.5	1.3																32	33	28				
- / -5	3.5	2.1																47	48	40				
- / -7	2.4	.1																18	19	32				
- / -9	4.6																	39	39	39				
- / -11	4.5																	38	38	38				
- / -13	3.2																	27	27	27				
- / -15	5.1																	43	43	43				
- / -17	4.1																	34	34	34				
- / -19	4.2																	35	35	35				
- / -21	4.1																	34	34	34				
- / -23	4.2																	35	35	35				
- / -25	3.5																	29	31	29				
- / -27	3.6																	32	34	32				
Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature										$\leq 0 F$	$\leq 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total		
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

1 020 GALENA AFS AM

73-82

250

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

1000
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
41																		3	3																	
40																		1	1																	
39																		5	5																	
38																				5																
37																				1																
36																		8	8	2	3															
35																		5	5	5	9															
34																		1	1	3	2															
33																		7	7	6																
32																		1	1	4	1															
31																		14	14	13	9															
30																		33	33	14	4															
29																		28	28	25	18															
28																		23	23	25	11															
27																		35	35	25	12															
26																		25	25	34	25															
25																		22	22	33	19															
24																		20	20	23	27															
23																		19	19	18	17															
22																		23	23	22	21															
21																		32	33	26	33															
20																		18	20	23	13															
19																		35	35	29	25															
18																		38	38	40	21															
17																		32	32	37	24															
16																		34	34	34	29															
15																		44	44	44	24															
14																		30	30	30	24															
13																		29	29	29	46															
12																		26	26	26	45															
11																		40	41	40	32															
10																		27	27	27	16															
9																		33	33	33	37															
8																		43	43	43	29															
Element (X)	ΣX^1	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-2220 GALENA AFS AK 73-82 YEARS DEC MONTH

PAGE 1 1610-2000 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-27	2.4																		20	27	31	31													
1/-29	3.3																		27	27	31	31													
1/-31	1.3																		15	15	15	20													
1/-33	2.7																		22	24	22	34													
1/-35	.8																		7	15	7	35													
1/-37																				12		40													
1/-39																				16		21													
1/-41																				15		23													
1/-43																				6		8													
1/-45																				12															
1/-47																				8		1													
1/-49																				2															
1/-51																				4															
TOTAL	15.3	1.3	2.7	.6	.1														825	327		925													
																			825		375														

Element (X)	Σx^2	Σx	$\bar{x}$	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3724156	58362	65.913	130	825	$\pm 0^\circ\text{F}$	$\pm 32^\circ\text{F}$	$\pm 67^\circ\text{F}$	$\pm 73^\circ\text{F}$	$\pm 80^\circ\text{F}$	$\pm 93^\circ\text{F}$	
Dry Bulb	411925	-8.41	-8.719	223	927	62.3	92.1					93
Wet Bulb	244043	-4579	-5.616	291	825	59.3	92.2					93
Dew Point	820650	-11336	-13.717	930	825	69.2	93.2					93

Element (X)	Z ₁	Z ₂	I	° ₂	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3724156	58362	65.913	130	825	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	411925	-8.41	-8.719	223	927	62.3	92.1					93
Wet Bulb	244043	-4579	-5.616	251	825	59.3	92.2					93
Dew Point	420660	-11336	-13.707	930	825	69.2	93.0					93

USAFETAC FORM 0-26-5 (OLA) 1-64

GLOBAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220	GALENA AFS AK
STATION	STATION NAME

73-67

YIARS

DFC

PAGE 1 2100-2700
NOV 11 1964

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47 / 43					.1													1	1																
47 / 41					.2													2	2																
47 / 37			.1															1	1																
47 / 35		.1	.4															4	4	2															
47 / 33		.2																2	2	6															
47 / 31	.2	.2	.4															7	7	5	4														
47 / 29	.1	.1		.5														6	6	5	4														
47 / 27	.1	.2		.1														4	4	2	2														
47 / 25	.2	.7																8	8	7	4														
47 / 23		.5	.2															6	6	11	4														
47 / 21	.6	1.1	.1															15	15	10	11														
47 / 19	1.0	1.8																23	23	14	7														
47 / 17		.1	1.7	.4														18	18	18	17														
47 / 15	.1	1.7	.4															18	15	12	6														
47 / 13	1.5	4.1																42	42	37	10														
47 / 11		3.5	.1															30	30	39	19														
47 / 9	.1	2.2																19	19	33	13														
47 / 7	.6	2.1																22	22	18	26														
47 / 5	.2	2.8																25	25	29	12														
47 / 3	.4	1.1																12	13	17	33														
47 / 1	.9	3.6																37	39	30	29														
47 / -1	2.1	1.1																26	26	29	14														
47 / -3	2.2	1.2																28	28	32	19														
47 / -5	4.1	1.0																42	42	41	22														
47 / -7	2.4																	20	23	26	32														
47 / -9	4.7																	39	39	39	22														
47 / -11	3.5																	29	29	29	33														
47 / -13	3.9																	32	32	32	31														
47 / -15	4.7																	39	39	39	35														
47 / -17	3.3																	27	27	27	36														
47 / -19	4.6																	38	38	38	35														
47 / -21	4.1																	34	34	34	24														
47 / -23	2.7																	22	22	22	21														
47 / -25	4.4																	36	36	36	30														
Element (X)	Σ X ²		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																																			

PSYCHROMETRIC SUMMARY

PAGE 2 21-0-2300
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	
/-27	3.4																																	31	34	71	37
/-29	3.3																																	31	33	71	29
/-31	1.6																																	15	15	15	24
/-33	3.2																																	26	28	26	22
/-35	.6																																	5	11	5	41
/-37																																			24		49
/-39																																			14		25
/-41																																			14		22
/-43																																			11		12
/-45																																			11		5
/-47																																			5		1
/-49																																			7		
/-51																																			3		
IAL	25.7	31.3	2.1	.6	.4																													227		6.2	
																																			822		872

Element (X)	Σ x'	Σ x	Σ	Σ _s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3708596	54154	65.913.100		822	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	427306	-8422	-0.119.463		927	62.4	92.0					93
Wet Bulb	249714	-4768	-5.816.446		822	62.2	92.1					93
Dew Point	430032	-11484	-14.018.123		822	69.7	93.0					93

GLOBAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220	GALENA AFS AK
STATION	STATION NAME

73-62

YEARS

070
MONTH

PAGE 3

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											
47 / 43					.1	.												2	2													
47 / 41					.1	.												7	7													
47 / 39			.1															5	5													
47 / 37		.0	.2															13	13	1												
47 / 35		.1	.1															17	17	21												
47 / 33	.1	.2	.	.1														22	22	29	4											
47 / 31	.2	.4	.3	.1														66	66	27	34											
47 / 29	.2	.1	.2	.2														40	40	41	30											
47 / 27	.5	.4	.1	.0														32	32	57	24											
47 / 25	.1	.9	.1															74	74	76	24											
47 / 23		.4	.1															37	37	58	19											
47 / 21	.5	.5	.2															91	91	97	62											
47 / 19	.9	2.3	.2															218	219	135	96											
47 / 17	.1	2.2	.2															165	165	148	65											
47 / 15	.2	2.6	.3															203	203	184	73											
47 / 13	.5	3.1	.1															249	249	202	92											
47 / 11	.4	2.9	.0															217	217	246	153											
47 / 9	.1	2.4	.2															169	169	238	167											
47 / 7	.3	2.1																151	161	150	205											
47 / 5	.4	2.0																161	161	195	167											
47 / 3	.6	2.5																205	206	221	161											
47 / 1	1.0	3.7																309	312	273	235											
47 / -1	2.9	1.0																252	254	277	135											
47 / -3	2.5	1.1																237	238	268	169											
47 / -5	2.9	1.4																295	286	257	192											
47 / -7	3.6	.1																237	238	373	213											
47 / -9	4.1																	265	266	265	233											
47 / -11	4.5																	299	300	299	280											
-1 / -13	3.2																	212	213	212	217											
-1 / -15	4.4																	292	293	292	266											
-1 / -17	3.1																	206	209	206	273											
-1 / -19	4.3																	293	287	283	319											
-1 / -21	4.7																	263	265	263	249											
-1 / -23	3.4																	224	225	224	217											
Element (X)	Σ X'	Σ X	X	°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																																

PSYCHROMETRIC SUMMARY

7 220 CALENA AFS AK
STATION STATION NAME

73-52

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS (L.S.T.)

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2

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 GALENA AFS AK
STATION STATION NAME

73-82

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														
7 89																		1			1														
8 87																		1			1														
9 85																		5			5														
4 83																		24			24														
7 81																		60			60														
7 79																		124			124														
7 77																		205			205														
7 75																		347			347														
4 73																		432			432														
7 71																		639			639														
7 69																		821			821														
7 67																		1143			1143														
6 65																		1289			1289														
4 63																		1619			1619														
7 61																		1920			1920														
7 59																		2440			2440														
7 57																		2814			2814														
7 55																		3159			3159														
4 53																		3076			3076														
7 51																		2698			2698														
7 49																		2663			2663														
7 47																		2228			2228														
7 45																		2023			2023														
4 43																		1854			1854														
7 41																		1678			1678														
4 39																		1704			1704														
7 37																		1837			1837														
7 35																		1921			1921														
7 33																		2001			2001														
7 31																		2397			2397														
7 29																		1773			1773														
7 27																		1747			1747														
7 25																		1639			1639														
4 23																		1336			1336														
Element (X)	Σ X'			Σ X			Σ			Σ			Σ			Σ			Σ			Σ													
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

USAFETAC

CENTRAL CLIMATOLOGY BRANCH
CHAFETAC
AIR LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-225	GALENA AFS AK	73-02	ALL
STATION	STATION NAME	YEARS	MONTH

PAGE 2 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
21	.4	1.1	.5	.1														1798	1798	1852	1968												
20	.5	1.6	.7	.0														2405	2405	2123	2571												
19	.3	1.4	.4	.0														1835	1835	1922	1930												
18	.3	1.5	.3															1629	1629	1960	1940												
17	.5	1.4	.2															1741	1741	1911	1799												
16	.6	1.3	.1															1742	1743	1918	1921												
15	.4	1.4	.1															1571	1574	1757	2020												
14	.3	1.6	.0															1613	1614	1563	1562												
13	.4	1.1																1210	1219	1676	1327												
12	.5	1.4																1623	1625	1626	1530												
11	.5	1.7																1640	1643	1760	1969												
10	1.2	.5																1417	1419	1680	1403												
9	.9	.6																1306	1308	1430	1309												
8	1.1	.5																1270	1271	1177	1052												
7	1.3	.0																1119	1120	1445	1260												
6	1.4																	1206	1213	1238	1100												
5	1.4																	1153	1154	1153	1289												
4	1.1																	826	827	826	1006												
3	1.2																	1056	1058	1056	1354												
2	1.1																	883	886	883	1263												
1	1.1																	953	960	953	1389												
0	1.1																	836	838	836	1113												
-1	.9																	769	777	769	970												
-2	.8																	759	759	754	1052												
-3	.8																	641	660	641	965												
-4	.7																	555	565	555	904												
-5	.5																	430	439	430	660												
-6	.6																	492	525	492	937												
-7	.2																	104	450	104	807												
-8	.1																	13	493	13	957												
-9	.0																	4	362	4	631												
-10	.0																	2	345	2	511												
-11	.0																	2	322	2	249												
-12	.0																	2	305	2	137												
Element (X)	Σ X'	Σ X	X	X	No. Obs.	Mean No. of Hours with Temperature																											
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																					
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

CLIMATE CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2 20 GALENA AFG AK
STATION

73-62

ALL
MONTH

PAGE 2

ALL

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													
- / -47																				152		40												
- / -40																				129		32												
- / -31																				104		11												
- / -23																				82														
-4/-55																				43		1												
- / -57																				26		1												
- / -59																				4		1												
IAL	24.2	32.2	17.2	10.0	6.0	4.1	2.4	1.5	1.1	.5	.2	.1	.0	.0						F7633	P4920													
																				B4920	B4920													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70.220 GALENA AFS AK
STATION NAME

73-82
YEARS

HR	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN	-4.4	-8.0	3.7	20.4	41.1	52.0	55.6	52.8	41.9	23.2	4.9	-9.3	23.0
	S.D.	22.55622	22.86016	16.69412	12.892	7.074	5.497	5.383	5.702	6.59711	5.3917	7.1721	7.46	27.881
	TOTAL OBS.	929	846	930	900	930	900	930	930	900	930	900	930	10955
3-05	MEAN	-4.6	-9.2	1.5	17.6	38.4	49.9	53.4	50.6	40.4	22.4	4.7	-9.2	21.5
	S.D.	23.03323	23.89717	17.78513	13.826	6.792	5.184	5.127	5.877	6.62311	5.6917	8.7721	7.707	27.503
	TOTAL OBS.	930	846	930	900	930	900	930	929	900	930	900	930	10955
6-08	MEAN	-5.1	-10.2	.5	18.2	41.8	52.8	56.1	52.0	40.4	22.1	4.6	-9.2	22.2
	S.D.	23.26524	24.62618	18.27813	13.987	7.616	5.777	5.521	5.756	6.67811	8.2118	13.221	5.84	28.625
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	930	10956
9-11	MEAN	-5.0	-8.8	5.5	24.4	48.3	57.6	61.1	57.4	45.0	24.0	4.8	-9.1	25.6
	S.D.	22.96623	22.2116	16.46912	12.298	8.501	7.151	6.843	6.326	7.13411	3.5917	9.0621	4.38	29.988
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	899	930	10955
12-14	MEAN	-3.2	-2.6	12.1	29.4	52.6	61.3	64.8	61.8	49.7	27.3	7.2	-8.0	29.5
	S.D.	21.47719	21.23914	14.36211	11.140	8.909	7.802	7.864	7.179	7.96710	5.7216	16.46420	20.362	29.916
	TOTAL OBS.	930	846	929	900	930	900	929	930	900	930	900	929	10953
15-17	MEAN	-2.7	-.1	14.7	31.6	54.4	62.6	66.4	63.3	51.0	27.9	7.2	-8.0	30.8
	S.D.	20.75717	17.91013	13.60210	10.651	8.844	8.078	8.132	7.479	8.37710	5.7716	18.920	20.359	30.011
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	927	10953
18-20	MEAN	-3.7	-3.3	12.1	30.3	53.0	61.3	65.1	61.4	48.1	25.5	5.7	-8.7	29.1
	S.D.	21.37819	19.39213	13.91210	10.589	8.831	7.692	7.671	7.189	7.95511	5.03617	17.00021	21.091	30.144
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	927	10953
1-23	MEAN	-4.0	-6.2	7.4	25.3	47.4	56.9	60.5	56.1	43.9	23.6	4.9	-9.1	25.7
	S.D.	21.78921	21.25815	15.39911	11.403	8.065	6.411	6.279	6.223	6.69611	7.70817	17.50821	21.481	28.959
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	927	10953
ALL HOURS	MEAN	-4.1	-6.1	7.2	24.6	47.1	56.8	60.4	56.9	45.1	24.5	5.5	-8.8	25.9
	S.D.	22.15921	21.66316	16.65313	13.202	9.900	8.128	8.114	7.939	8.25411	6.46017	17.38421	21.218	29.335
	TOTAL OBS.	7839	6768	7839	7200	7880	7200	7839	7839	7200	7880	7199	7830	87633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70.220 GALENA AFS AK

73-82

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02			MEAN -3.3	-3.9	2.9	18.1	37.0	47.8	51.8	50.1	39.4	21.9	5.5	-5.8	23.0
			S.D. 16.882	18.302	15.689	12.030	6.241	5.095	5.024	5.695	6.539	11.084	15.960	17.500	24.323
			TOTAL OBS 814	739	926	900	930	900	927	930	900	930	876	823	10595
07-15			MEAN 1.1	-4.0	1.4	15.7	35.1	46.4	50.3	48.6	38.2	21.2	5.6	-5.6	22.2
			S.D. 16.477	18.268	16.284	12.978	6.269	4.927	4.959	5.858	6.571	11.182	15.780	17.346	23.839
			TOTAL OBS 793	715	911	900	930	900	927	929	900	930	871	819	10525
A-DE			MEAN 1.1	-4.4	.6	16.1	37.2	47.9	51.9	49.6	38.2	20.9	5.7	-5.7	22.7
			S.D. 16.206	18.433	16.631	13.044	6.541	5.049	4.951	5.613	6.646	11.448	15.823	17.316	24.453
			TOTAL OBS 783	704	907	900	930	900	927	930	900	930	867	822	10500
-11			MEAN 1.1	-4.0	4.5	21.0	40.8	50.0	54.3	52.6	41.3	22.4	5.7	-5.7	24.8
			S.D. 15.828	17.880	15.241	10.991	6.377	5.241	5.218	5.451	6.673	10.840	15.747	17.239	24.912
			TOTAL OBS 789	727	925	900	929	900	928	930	900	930	870	822	10550
17-14			MEAN 1.1	-1.6	10.1	24.8	43.0	51.5	55.7	54.4	43.9	24.9	7.4	-5.2	26.6
			S.D. 15.980	16.909	13.199	9.559	5.993	5.066	5.195	5.466	6.646	9.860	14.912	16.847	24.697
			TOTAL OBS 823	807	929	900	930	900	927	930	900	930	882	837	10695
15-17			MEAN 1.0	-1.5	12.4	26.5	43.9	52.1	56.3	55.0	44.5	25.3	7.2	-5.4	27.2
			S.D. 15.903	16.498	12.398	9.015	5.795	4.909	4.997	5.428	6.633	9.739	14.806	16.946	24.691
			TOTAL OBS 832	833	930	900	930	900	927	930	900	930	885	839	10736
18-20			MEAN .5	-2.5	10.2	25.7	43.3	51.6	56.0	54.6	43.1	23.6	6.1	-5.6	26.4
			S.D. 16.151	17.350	12.822	9.150	5.753	4.941	4.953	5.434	6.818	10.425	15.364	17.211	25.008
			TOTAL OBS 824	810	930	900	930	900	927	930	900	930	880	825	10686
1-23			MEAN .4	-3.8	6.1	22.1	40.7	50.2	54.5	52.3	40.7	22.0	5.6	-5.8	24.7
			S.D. 16.241	17.968	14.480	10.396	6.108	5.010	4.947	5.659	6.588	11.195	15.579	17.440	24.819
			TOTAL OBS 819	773	930	900	930	900	927	930	900	930	872	822	10633
ALL HOURS			MEAN .8	-3.0	6.1	21.2	40.1	49.7	53.8	52.2	41.2	22.8	6.1	-5.6	24.7
			S.D. 16.206	17.667	15.229	11.702	6.881	5.394	5.452	6.037	7.029	10.845	15.508	17.221	24.660
			TOTAL OBS 6477	6108	7388	7200	7439	7200	7417	7439	7200	7440	7003	6639	84920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

700220 GALENA AFS AK

73-82

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02			MEAN -8.1	MEAN -12.9	MEAN -5.8	MEAN 9.9	MEAN 30.8	MEAN 43.3	MEAN 48.2	MEAN 47.7	MEAN 35.8	MEAN 17.5	MEAN -0.5	MEAN -13.8	MEAN 17.1
			S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305	S.D. 20.83123.94618.46214.305
			TOTAL OBS 814	TOTAL OBS 739	TOTAL OBS 926	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 876	TOTAL OBS 823	TOTAL OBS 10595
13-05			MEAN -7.3	MEAN -13.0	MEAN -7.0	MEAN 7.9	MEAN 29.8	MEAN 42.6	MEAN 47.4	MEAN 46.7	MEAN 35.1	MEAN 17.0	MEAN -0.3	MEAN -13.8	MEAN 16.6
			S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193	S.D. 20.30623.95219.51315.193
			TOTAL OBS 793	TOTAL OBS 715	TOTAL OBS 911	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 929	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 871	TOTAL OBS 819	TOTAL OBS 10525
6-08			MEAN -7.3	MEAN -13.5	MEAN -7.8	MEAN 7.9	MEAN 30.4	MEAN 42.7	MEAN 48.1	MEAN 47.4	MEAN 35.3	MEAN 16.8	MEAN -0.2	MEAN -13.8	MEAN 16.7
			S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143	S.D. 19.90724.26020.05115.143
			TOTAL OBS 783	TOTAL OBS 704	TOTAL OBS 907	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 867	TOTAL OBS 822	TOTAL OBS 10520
9-11			MEAN -7.2	MEAN -13.1	MEAN -4.4	MEAN 11.2	MEAN 30.9	MEAN 42.4	MEAN 48.4	MEAN 48.1	MEAN 36.5	MEAN 17.6	MEAN -0.4	MEAN -13.9	MEAN 17.5
			S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059	S.D. 19.48123.63917.46313.059
			TOTAL OBS 789	TOTAL OBS 727	TOTAL OBS 925	TOTAL OBS 900	TOTAL OBS 929	TOTAL OBS 900	TOTAL OBS 928	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 870	TOTAL OBS 822	TOTAL OBS 10550
12-14			MEAN -7.2	MEAN -11.3	MEAN -0.4	MEAN 13.5	MEAN 30.8	MEAN 41.9	MEAN 48.0	MEAN 48.0	MEAN 36.8	MEAN 18.9	MEAN 1.2	MEAN -13.3	MEAN 16.0
			S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545	S.D. 19.32522.03015.46311.545
			TOTAL OBS 823	TOTAL OBS 807	TOTAL OBS 929	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 882	TOTAL OBS 837	TOTAL OBS 10695
15-17			MEAN -7.3	MEAN -10.5	MEAN 1.2	MEAN 14.7	MEAN 30.6	MEAN 41.9	MEAN 47.8	MEAN 47.9	MEAN 36.7	MEAN 19.1	MEAN 1.0	MEAN -13.5	MEAN 18.1
			S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963	S.D. 19.28421.60215.01010.963
			TOTAL OBS 832	TOTAL OBS 833	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 885	TOTAL OBS 839	TOTAL OBS 10736
18-20			MEAN -7.9	MEAN -12.2	MEAN -0.1	MEAN 14.7	MEAN 31.0	MEAN 42.1	MEAN 48.3	MEAN 48.7	MEAN 36.9	MEAN 18.3	MEAN 0.3	MEAN -13.7	MEAN 18.0
			S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193	S.D. 19.93323.14615.31911.193
			TOTAL OBS 824	TOTAL OBS 810	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 880	TOTAL OBS 825	TOTAL OBS 10686
1-23			MEAN -8.0	MEAN -13.0	MEAN -3.0	MEAN 12.9	MEAN 31.9	MEAN 43.3	MEAN 49.2	MEAN 48.8	MEAN 36.3	MEAN 17.3	MEAN -0.4	MEAN -14.0	MEAN 17.8
			S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622	S.D. 20.16823.82416.72412.622
			TOTAL OBS 819	TOTAL OBS 773	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 872	TOTAL OBS 822	TOTAL OBS 10633
ALL HOURS			MEAN -7.5	MEAN -12.4	MEAN -3.4	MEAN 11.6	MEAN 30.8	MEAN 42.5	MEAN 48.2	MEAN 47.9	MEAN 36.1	MEAN 17.8	MEAN 0.0	MEAN -13.7	MEAN 17.5
			S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353	S.D. 19.89823.25717.32913.353
			TOTAL OBS 6477	TOTAL OBS 6108	TOTAL OBS 7388	TOTAL OBS 7200	TOTAL OBS 7439	TOTAL OBS 7200	TOTAL OBS 7417	TOTAL OBS 7439	TOTAL OBS 7200	TOTAL OBS 7440	TOTAL OBS 7003	TOTAL OBS 6609	TOTAL OBS 84920

RELATIVE HUMIDITY

STATION NAME

PERIOD

JAN
--
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	100.0	95.3	84.0	60.0	35.1	17.1	6.1	65.6	614
	03-05	100.0	100.0	100.0	97.0	83.7	59.3	34.9	18.0	5.3	65.5	793
	06-08	100.0	100.0	99.7	96.6	83.7	61.0	34.7	16.6	5.9	65.5	783
	09-11	100.0	100.0	100.0	96.3	83.5	62.1	36.4	15.5	5.8	65.7	789
	12-14	100.0	100.0	99.8	98.2	83.6	62.2	36.6	16.0	5.6	65.9	823
	15-17	100.0	100.0	100.0	98.0	84.7	61.7	36.8	18.3	5.5	66.1	832
	18-20	100.0	100.0	100.0	96.5	83.1	62.6	35.9	15.8	5.0	65.6	824
	21-23	100.0	100.0	100.0	96.3	84.1	59.5	35.7	14.8	4.8	65.3	819
TOTALS		100.0	100.0	99.9	96.8	83.8	61.1	35.8	16.5	5.5	65.7	6477

FORM
JUL 64

0-87-S (OL A)

2

RELATIVE HUMIDITY

FEB
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%		
FEB	00-02	100.0	100.0	99.9	94.7	80.1	57.1	31.7	10.0	3.1	63.3	739
	03-05	100.0	100.0	99.9	95.4	80.0	55.5	29.0	9.9	4.2	62.9	715
	06-08	100.0	100.0	99.6	94.3	80.1	57.5	28.7	9.2	4.3	62.9	704
	09-11	100.0	100.0	100.0	94.9	79.5	56.1	28.5	10.6	3.4	63.0	727
	12-14	100.0	100.0	100.0	95.4	74.8	52.7	24.3	6.7	2.4	61.1	807
	15-17	100.0	100.0	100.0	90.3	74.1	46.8	21.2	7.6	1.9	59.8	833
	18-20	100.0	100.0	99.8	92.8	75.7	49.0	25.1	9.6	1.7	60.9	810
	21-23	100.0	100.0	99.9	94.7	78.5	53.3	29.1	11.3	2.8	62.4	773
TOTALS		100.0	100.0	99.9	94.1	77.9	53.5	27.2	9.4	3.0	62.0	6108

2

1

STATION NAME

PERIOD

MAR
MONTH

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MONTH

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MAY
MON

STATION NAME

PERIOD

MONTH

100

FORM

0-87-5 (OL A)

2

RELATIVE HUMIDITY

JUN
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%		
JUN	00-02	100.0	100.0	100.0	99.8	95.2	81.2	59.9	27.3	7.8	73.1	900
	03-05	100.0	100.0	100.0	99.9	97.8	91.9	71.1	37.2	9.9	76.5	900
	06-08	100.0	100.0	99.9	98.4	91.7	74.4	48.2	20.2	4.7	69.7	900
	09-11	100.0	100.0	98.1	90.3	67.2	43.4	22.3	8.3	1.7	58.7	900
	12-14	100.0	100.0	93.9	72.6	45.7	25.1	14.2	3.6	.3	51.1	900
	15-17	100.0	99.0	89.1	66.6	40.7	23.8	13.7	3.9	.6	49.5	900
	18-20	100.0	99.6	92.7	71.8	46.0	30.0	16.8	6.0	2.1	52.0	900
	21-23	100.0	100.0	99.1	92.0	74.1	51.9	30.0	13.3	3.7	62.3	900
TOTALS		100.0	99.8	96.6	86.4	69.8	52.7	34.5	15.0	3.9	61.6	7200

2

7-240	GALENA AFS AK	73-82	JUL
STATION	STATION NAME	PERIOD	MONTH

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2
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

70.220
STATION

GALENA AFS AK
STATION NAME

73-82
PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.5	98.5	96.3	89.8	62.7	27.3	83.5	930
	03-05	100.0	100.0	100.0	99.8	98.6	97.7	94.2	74.8	41.8	86.7	929
	06-08	100.0	100.0	99.9	99.5	98.6	97.0	89.6	68.1	35.3	84.7	930
	09-11	100.0	100.0	99.5	98.0	92.4	78.8	57.5	29.8	10.6	72.6	930
	12-14	100.0	100.0	98.7	92.2	75.5	51.4	29.9	13.0	3.5	62.3	930
	15-17	100.0	99.9	97.1	88.0	69.1	44.5	24.9	10.0	3.4	59.5	930
	18-20	100.0	100.0	98.7	94.2	79.2	61.0	38.3	16.0	6.7	65.2	930
	21-23	100.0	100.0	100.0	99.7	97.4	89.6	73.2	40.0	14.9	77.4	930
TOTALS		100.0	100.0	99.2	96.4	88.7	77.0	62.2	39.3	17.9	74.0	7439

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

2

GALENA AFS AK

73-82

SEP
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STATION NAME

PERIOD

MONTH

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FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

73-220
STATION

GALENA AFS AK

STATION NAME

73-82

PERIOD

OCT

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.5	95.5	76.2	44.9	18.1	78.9	930
	03-05	100.0	100.0	100.0	100.0	99.6	96.1	78.1	49.2	21.5	80.0	930
	06-08	100.0	100.0	100.0	99.9	99.4	96.2	79.8	48.6	22.0	80.3	930
	09-11	100.0	100.0	100.0	100.0	98.8	91.2	71.2	41.9	15.8	77.2	930
	12-14	100.0	100.0	100.0	99.0	94.9	77.3	52.9	27.7	8.1	71.5	930
	15-17	100.0	100.0	100.0	98.3	91.6	74.8	49.7	25.7	8.8	70.5	930
	18-20	100.0	100.0	100.0	99.8	96.9	85.1	64.0	35.8	10.9	74.7	930
	21-23	100.0	100.0	100.0	100.0	99.0	92.4	71.4	41.5	15.4	77.4	930
TOTALS		100.0	100.0	100.0	99.6	97.5	88.6	67.9	39.4	15.1	76.3	7440

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

70220
STATION

GALENA AFS AK
STATION NAME

73-82

PERIOD

NOV
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%		
NOV	00-02	100.0	100.0	100.0	98.9	91.1	81.8	63.6	36.4	18.3	74.6	876
	03-05	100.0	100.0	100.0	99.1	91.0	82.8	63.5	36.9	19.2	74.8	871
	06-08	100.0	100.0	100.0	98.5	90.5	82.5	65.5	37.0	17.9	74.8	867
	09-11	100.0	100.0	99.8	98.0	92.0	81.4	63.6	35.1	17.2	74.3	870
	12-14	100.0	100.0	99.9	98.4	92.2	79.6	60.3	32.8	16.4	73.6	882
	15-17	100.0	100.0	100.0	98.6	91.3	80.1	61.4	34.1	16.0	73.7	885
	18-20	100.0	100.0	100.0	99.2	91.4	82.3	61.6	35.6	16.7	74.3	880
	21-23	100.0	100.0	100.0	99.0	91.4	82.3	61.5	35.9	17.2	74.2	872
TOTALS		100.0	100.0	100.0	98.7	91.4	81.6	62.6	35.5	17.4	74.3	7003

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

70 220
STATION

GALENA AFS 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	100.0	98.6	87.7	68.2	34.6	15.9	3.8	66.5	623
	03-05	100.0	100.0	99.9	99.0	88.9	65.0	33.8	13.9	3.3	65.9	819
	06-08	100.0	100.0	99.8	99.3	87.8	66.9	34.9	13.3	2.8	66.1	822
	09-11	100.0	100.0	100.0	98.4	88.2	65.9	32.1	12.5	1.8	65.8	822
	12-14	100.0	100.0	100.0	99.3	88.9	65.9	32.9	14.1	2.7	66.3	837
	15-17	100.0	100.0	100.0	99.5	88.0	64.4	34.4	14.1	2.5	66.1	839
	18-20	100.0	100.0	100.0	98.5	86.9	64.0	35.0	14.4	3.8	65.9	825
	21-23	100.0	100.0	100.0	98.2	86.5	65.0	32.4	15.3	4.3	65.9	822
TOTALS		100.0	100.0	100.0	98.9	87.9	65.7	33.8	14.2	3.1	66.1	6609

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 220 GALENA AFS AK 73-82 ALL
STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.9	96.8	83.8	61.1	35.8	16.5	5.5	65.7	6477
FEB		100.0	100.0	99.9	94.1	77.9	53.5	27.2	9.4	3.0	62.0	6108
MAR		100.0	100.0	99.9	94.2	74.2	49.7	27.8	13.0	4.0	61.9	7388
APR		100.0	100.0	97.7	88.8	69.8	46.5	21.3	8.4	2.2	59.0	7200
MAY		100.0	99.3	93.2	77.9	58.8	40.4	22.4	8.8	1.7	56.0	7439
JUN		100.0	99.8	96.6	86.4	69.8	52.7	34.5	13.0	3.9	61.6	7200
JUL		100.0	100.0	98.7	91.7	79.0	62.5	45.6	23.4	7.1	66.7	7417
AUG		100.0	100.0	99.2	96.4	88.7	77.0	62.2	39.3	17.9	74.0	7439
SEP		100.0	100.0	99.4	96.8	89.2	76.5	59.0	37.1	12.9	72.8	7200
OCT		100.0	100.0	100.0	99.6	97.5	88.6	67.9	39.4	15.1	76.3	7440
NOV		100.0	100.0	100.0	98.7	91.4	81.6	62.6	35.5	17.4	74.3	7003
DEC		100.0	100.0	100.0	98.9	87.9	65.7	33.8	14.2	3.1	66.1	6609
TOTALS		100.0	99.9	98.7	93.4	80.7	63.0	41.7	21.7	7.8	66.4	64920

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

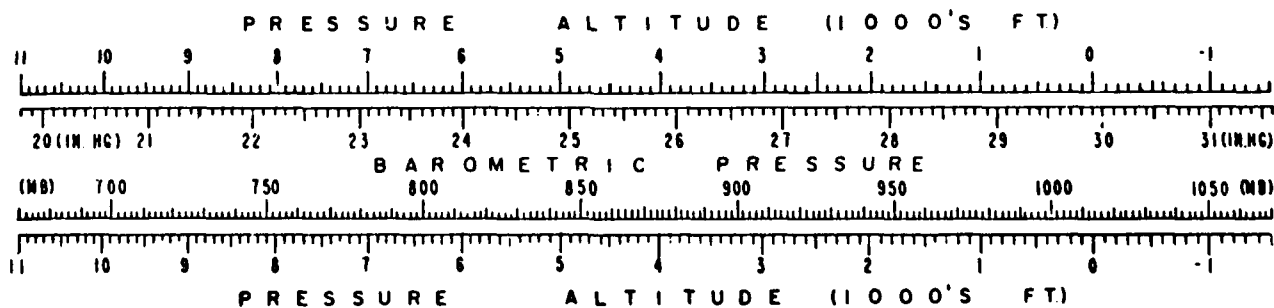
PRESSURE SUMMARY

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.



AD-A134 211

GALENA AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 28 JUL 83

UNCLASSIFIED

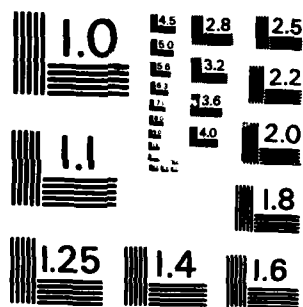
USAFETAC/DS-83/035 S81-AD-E850 429

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128



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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7 0220 GALENA AFS AK

73-82

STATION		YEARS												
STATION NAME		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02	MEAN	29.729	29.753	29.654	29.683	29.639	29.686	29.699	29.707	29.595	29.519	29.584	29.647	29.657
	S.D.	.441	.437	.278	.289	.237	.188	.169	.210	.251	.313	.390	.442	.324
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3652
05	MEAN	29.723	29.750	29.654	29.688	29.649	29.694	29.706	29.712	29.596	29.516	29.578	29.642	29.659
	S.D.	.442	.437	.277	.291	.238	.190	.170	.211	.252	.313	.392	.440	.325
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3652
08	MEAN	29.721	29.752	29.657	29.694	29.654	29.699	29.713	29.717	29.603	29.522	29.541	29.640	29.662
	S.D.	.439	.434	.277	.290	.238	.190	.170	.211	.251	.312	.392	.439	.323
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	29.733	29.763	29.664	29.694	29.646	29.693	29.711	29.716	29.605	29.530	29.593	29.652	29.666
	S.D.	.437	.431	.275	.289	.238	.190	.169	.210	.251	.312	.390	.439	.322
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	29.726	29.752	29.651	29.678	29.627	29.673	29.698	29.698	29.587	29.518	29.587	29.645	29.653
	S.D.	.436	.429	.275	.288	.236	.188	.167	.209	.251	.312	.389	.441	.321
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	309	3651
17	MEAN	29.720	29.742	29.636	29.661	29.609	29.656	29.679	29.681	29.571	29.511	29.582	29.642	29.640
	S.D.	.434	.432	.276	.288	.235	.188	.167	.207	.252	.313	.388	.443	.322
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	309	3651
20	MEAN	29.719	29.744	29.638	29.661	29.612	29.655	29.679	29.680	29.576	29.516	29.582	29.645	29.642
	S.D.	.433	.436	.278	.287	.234	.186	.165	.206	.254	.314	.389	.444	.322
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	309	3651
23	MEAN	29.723	29.750	29.648	29.671	29.632	29.674	29.698	29.695	29.589	29.521	29.585	29.652	29.653
	S.D.	.434	.438	.279	.285	.235	.186	.167	.208	.253	.314	.392	.441	.322
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	29.724	29.751	29.650	29.679	29.634	29.679	29.697	29.701	29.590	29.519	29.584	29.646	29.654
	S.D.	.436	.434	.277	.288	.237	.189	.168	.209	.252	.312	.390	.440	.323
	TOTAL OBS.	2480	2256	2480	2400	2480	2400	2480	2470	2400	2480	2480	2476	29212

USAFETAC FORM 01 64 0 89 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

7 2220 GALENA AFS AK

73-82

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
07	MEAN	1013.2	1014.1	1010.5	1011.4	1009.7	1011.3	1011.7	1012.0	1008.2	1005.8	1008.2	1010.4	1010.5
	S D	15.1	10114.9	9.512	9.885	8.055	6.361	5.785	7.152	8.518	10.602	13.309	15.087	11.049
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
05	MEAN	1013.0	1013.9	1010.5	1011.5	1010.1	1011.5	1011.9	1012.1	1008.3	1005.7	1008.0	1010.3	1010.5
	S D	15.1	11114.9	9.460	9.980	8.080	6.432	5.778	7.153	8.540	10.632	13.375	15.044	11.070
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
08	MEAN	1013.0	1014.0	1010.7	1011.8	1010.3	1011.7	1012.1	1012.3	1008.5	1005.9	1008.1	1010.2	1010.7
	S D	15.0	0614.7	9.437	9.922	8.094	6.462	5.782	7.168	8.526	10.596	13.353	14.966	11.019
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	1013.4	1014.4	1010.9	1011.7	1010.0	1011.5	1012.0	1012.3	1008.6	1006.2	1008.5	1010.6	1010.8
	S D	14.9	2914.7	9.382	9.858	8.058	6.432	5.783	7.131	8.539	10.579	13.320	14.984	10.981
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
14	MEAN	1013.1	1014.1	1010.5	1011.2	1009.3	1010.8	1011.5	1011.7	1007.9	1005.7	1008.3	1010.4	1010.4
	S D	14.9	1414.6	9.392	9.845	8.015	6.395	5.679	7.100	8.505	10.596	13.271	15.030	10.969
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	309	3650
17	MEAN	1012.9	1013.7	1009.9	1010.6	1008.7	1010.2	1011.0	1011.1	1007.4	1005.5	1008.1	1010.3	1009.9
	S D	14.8	5414.7	9.425	9.806	7.977	6.412	5.674	7.011	8.567	10.618	13.228	15.094	10.970
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	309	3650
20	MEAN	1012.9	1013.8	1010.0	1010.6	1008.8	1010.2	1011.0	1011.0	1007.6	1005.7	1008.1	1010.4	1010.0
	S D	14.7	8514.8	9.467	9.758	7.947	6.322	5.620	7.021	8.612	10.652	13.265	15.125	10.970
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
23	MEAN	1013.0	1013.9	1010.3	1011.0	1009.5	1010.8	1011.6	1011.5	1008.0	1005.9	1008.6	1010.6	1010.3
	S D	14.8	2914.9	9.506	9.741	7.978	6.345	5.680	7.067	8.610	10.658	13.347	15.091	10.996
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650
ALL HOURS	MEAN	1013.1	1014.0	1010.4	1011.2	1009.5	1011.0	1011.6	1011.7	1008.1	1005.8	1008.6	1010.4	1010.4
	S D	14.9	2114.8	9.440	9.844	8.033	6.409	5.719	7.106	8.549	10.603	13.290	15.032	11.006
	TOTAL OBS	2480	2256	2479	2400	2480	2399	2480	2480	2400	2479	2399	2475	29207

DATE
ILME