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USAFETAC  
Air Weather Service ( MAC )

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"LIMITED SURFACE OBSERVATIONS"  
CLIMATIC SUMMARY "LISOCS"  
  
AUG 15 1983

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES  Limited-duty weather observation site.		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*LISOCS	Climatology	Weather conditions
*RUSSWO	Surface winds	Relative humidity
*Climatological data	Sea-level pressure	Station pressure
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for FORT RICHARDSON, ALASKA.		





This Limited Surface Observations Climatic Summary (LISOCS) is in essence a "RUSSWO" for limited duty sites. The data are "blocked" for the normal hours of operation and only those tables using hourly data (vice Summary of the Day data) are presented. Caution must be exercised when using these summaries, for the data span and a relatively short period of record (POR) reflect conditions occurring only during normal hours of operation. The ALL-ALL tables must be used with extra caution since the data represent only a subset of 24 hours per day. Additionally, we have extracted the available temperature data from the hourly data to provide "Maximum"/"Minimum" temperature tables--read a "HIGH" and "LOW". These tables should be used only as a general guide since data were unavailable for 24 hours/day. This is especially true of the "Minimum" tables, since there is no nighttime data.

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.

USAFETAC

LIMITED SURFACE OBSERVATIONS  
CLIMATIC SUMMARIES (LISOCS)  
HOURLY OBSERVATIONS

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

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCS and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCS:

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT  
DATA AVAILABLE\*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER

\*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES

MAX HIGH AND MIN LOW TEMPERATURES

PSYCHROMETRIC: DRY VS WET BULB

MEAN AND STD DEV. (DRY BULB, WET BULB,  
AND DEW POINT TEMPERATURES)

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 local standard time (LST).

STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
702736	Fort Richardson AIN AK	61 16 N	149 39 W	378	PAFR	

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT BARD	
1	Fort Richardson AIN AK	AF	Nov 73	Jan 76	61 16 N	149 39 W	378	Unknown	12
2	Same	AF	Feb 76	Oct 79	Same	Same	Same	Unknown	16
3	Fort Richardson AIN AK Bryant AHP	AF	Nov 79	May 83	Same	Same	Same	338 ft	17

\*Inventory shows records from Jun 65 to Oct 73. No records on file to substantiate inventory.

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	Nov 73	Unknown	Unknown	Unknown	Unknown	
2	Sep 77	GMQ 20 located 1 mile from wea sta next to Rwy 34	GMQ 20	RO 362	12 ft	
3	Oct 79	Same	Same	Same	12 ft	
4	May 83	Same	Same	Same	12 ft	

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 \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 2736  
 STATION

FT RICHARDSON AK  
 STATION NAME

77-82

YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02												
	03-05		3.9	1.3	7.2		12.4	12.4				12.4	153
	06-08		3.1	2.1	7.9		12.8	10.2				10.2	382
	09-11		1.9	2.1	8.3		11.9	11.6				11.6	421
	12-14		1.4	2.1	11.2		14.6	6.4				8.4	419
	15-17		2.4	1.5	6.6		10.4	10.7				10.7	412
	18-20		4.5	3.1	8.0		14.8	10.8				10.8	352
	21-23												
TOTALS			2.9	2.0	8.2		12.8	10.7				10.7	2139

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

722736  
STATION

FT RICHARDSON AK  
STATION NAME

77-82

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02												
	03-05		1.9	1.3	10.6		13.8	9.4		.6		10.0	160
	06-08		3.4	.7	11.0		15.2	10.8		.2		11.0	409
	09-11		3.3	.2	9.9		13.2	10.4				10.4	425
	12-14		3.8		9.4		12.9	7.7		.2		8.0	426
	15-17		3.9		9.0		12.1	7.0				7.0	413
	18-20		3.4		5.1		8.5	6.5				6.5	352
	21-23												
TOTALS			3.3	.4	9.2		12.6	8.6		.2		8.8	2185

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

702736  
 STATION

FT RICHARDSON AK  
 STATION NAME

77-82

YEARS

MAP  
 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
MAP	00-02												
	03-05		1.8		9.6		11.4	.9				.9	228
	06-08		2.1		14.0		15.6	3.5		.4		3.8	520
	09-11		1.5		14.3		15.4	4.4		.4		4.8	526
	12-14		1.7		12.8		13.9	3.1		.2		3.1	524
	15-17		2.7		9.7	.2	12.5	2.1				2.1	514
	18-20		3.1		8.5		11.4	2.5		.2		2.7	481
	21-23												
TOTALS			2.2		11.5	.0	13.4	2.8		.2		2.9	2793

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 2736  
 STATION

FT RICHARDSON AK  
 STATION NAME

77-82

YEARS

APR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	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												
	03-05		3.0		9.0		11.6	3.4				3.4	233
	06-08		3.7		7.8		10.6	4.1				4.1	490
	09-11		4.0		5.2		7.7	1.6	.2			1.8	496
	12-14		3.0		4.0		6.5	1.2				1.2	495
	15-17		3.1		4.3		7.4	1.6				1.6	489
	18-20		1.8		5.7		7.5	2.4				2.4	455
	21-23												
TOTALS			3.1		6.1		8.6	2.4	.0			2.4	2658

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### WEATHER CONDITIONS

7 2736  
 STATION

FT RICHARDSON AK  
 STATION NAME

77-82  
 YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLE	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												
	03-05		6.5				6.5	2.5				2.5	276
	06-08		6.2		.4		6.2	2.8				2.8	498
	09-11		6.6		.2		6.6	1.6			.2	1.8	498
	12-14		10.8			.2	11.0	.4				.4	498
	15-17		8.4			.2	8.6	.2				.2	486
	18-20		7.8				7.8	.2				.2	462
	21-23												
TOTALS			7.7		.1	.1	7.8	1.3			.0	1.3	2718

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

700236  
 STATION

FT RICHARDSON AK  
 STATION NAME

77-82

YEARS

JUN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	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												
	03-05		13.6				13.6	1.0				1.0	298
	06-08		14.6				14.6	2.9				2.9	515
	09-11		15.5				15.5	2.7				2.7	516
	12-14		17.6				17.6	1.2	.2			1.4	516
	15-17	.4	14.4				14.4						508
	18-20	.4	13.0			.2	13.0	.6				.6	492
	21-23												
TOTALS		.4	14.8			.0	14.8	1.4	.0			1.4	2892

GENERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AT WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

70736

FT RICHARDSON AK  
STATION NAME

77-82

YEARS

JUL  
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 OBST TO VISION	TOTAL NO. OF OBS
JUL	00-24												
	03-05		22.5				22.5	5.3				8.3	289
	06-08		24.0				24.0	5.4				8.4	513
	09-11		22.0				22.0	7.5				7.5	510
	12-14		22.1				22.1	4.1				4.1	511
	15-17	0.2	23.4				23.4	3.0				3.0	500
	18-20		21.0				21.0	2.7				2.7	476
	21-23												
	TOTALS	0.0	22.5				22.5	5.7				5.7	2799

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AWP WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 1736 STATION FI RICHARDSON AK STATION NAME 77-82 YEARS AUG 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
AUG	00-02												
	03-05		13.7				13.7	8.5				8.5	306
	06-08		16.3				16.3	9.8				9.8	528
	09-11		17.8				17.8	8.7				8.7	528
	12-14		18.7				18.7	6.4	.8			6.6	528
	15-17		16.5				16.5	4.0	1.0			4.4	520
	18-20		17.7				17.7	2.8	1.2			3.4	504
	21-23												
TOTALS			16.8				16.8	6.7	.5			6.9	2919



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 2736  
 STATION

FI RICHARDSON AK  
 STATION NAME

77-82

YEARS

SEP  
 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
SEP	00-22												
	03-05		13.4				18.4	5.3	1.1			5.7	282
	06-08		20.2		.2		20.2	6.3	1.2			7.0	489
	09-11		20.4		.6		21.1	3.7	1.2			4.3	489
	12-14		20.1				20.1	2.5	1.0			3.5	488
	15-17	.2	18.5				18.5	2.1				2.1	480
	18-20	.2	17.7				17.7	1.1	.6			1.7	462
	21-23												
TOTALS		.1	19.2		.1		19.3	3.5	.9			4.1	2690

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

70 736 STATION FT. RICHARDSON AK 77-82 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02												
	03-05		11.7		11.0		21.6	11.3				11.3	262
	06-08		10.3		13.7		22.4	16.5				16.5	504
	09-11		10.5		15.3		25.2	15.9				15.9	504
	12-14		11.3		15.4		25.9	11.7				11.7	506
	15-17		14.6		10.8		24.6	13.6				13.6	499
	18-20		12.8		10.7		22.5	13.7				13.7	476
	21-23												
TOTALS			11.9		12.8		23.7	13.8				13.8	2771

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2736  
STATION

FT RICHARDSON AK  
STATION NAME

77-82

YEARS

NOV  
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
NOV	00-02												
	03-05		4.5	.5	14.9		19.9	16.7				16.7	221
	06-08		3.8		15.5		19.1	16.6				16.6	471
	09-11		4.2		15.6		19.8	15.6		.6		16.2	474
	12-14		5.5	.4	14.8		20.3	11.4		.4		11.8	474
	15-17		5.8		12.6		18.4	12.6				12.6	467
	18-20		6.0		13.7		19.1	12.9				12.9	451
	21-23												
TOTALS			5.0	.2	14.5		19.4	14.3		.2		14.5	2558

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 2736  
 STATION

FT. RICHARDSON AK  
 STATION NAME

77-82

YEARS

DEC  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02												
	03-05		1.3	.9	13.8		16.1	10.7				10.7	224
	06-08		2.2		13.3		15.5	9.6				9.6	489
	09-11		2.0		14.5		16.6	13.7				13.7	495
	12-14		2.3	.2	18.3		20.7	9.2				9.2	487
	15-17		1.1		16.3		17.4	8.3	.2			8.3	472
	18-20		1.8	.5	17.6		19.6	6.1		.2		6.3	443
	21-23												
TOTALS			1.8	.3	15.6		17.7	9.6		.1		9.6	2610

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2736 FT RICHARDSON AK 77-82 ALL  
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	PERIOD	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN AND/OR DRIZZLE	SNOW AND/OR SLEET	HAUL	% 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		2.9	2.0	8.2		12.2	10.7				10.7	2139
FEB			3.3	.4	9.2		12.6	8.6		.2		8.8	2185
MAR			2.2		11.5	.0	13.4	2.6		.2		2.9	2793
APR			3.1		6.0		8.6	2.4	.0			2.4	2658
MAY			7.7		.1	.1	7.8	1.3			.0	1.3	2718
JUN		.1	14.8			.0	14.8	1.4	.0			1.4	2842
JUL		.0	22.5				22.5	5.7				5.7	2799
AUG			16.8				16.8	6.7	.5			6.9	2914
SEP		.1	19.2		.1		19.3	3.5	.9			4.1	2690
OCT			11.9		12.8		23.7	13.8				13.8	2771
NOV			5.0	.2	14.5		19.4	14.3		.2		14.5	2558
DEC			1.8	.3	15.6		17.7	9.6		.1		9.6	2610
TOTALS		.0	9.3	.2	6.5	.0	15.8	6.7	.1	.1	.0	6.8	31677

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 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 VREL.

- 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.

ALUMINUM ANCH  
 TAC  
 SERVICE AC

# SURFACE WINDS

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

STATION SOCLA MOON AX STATION NAME 70-50 YEARS 1950-1951 MONTH JAN

CLASS ALL WEATHER HOURS (L. S. T.) 0000-2359

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7										1.7	1.0
NNE	2.0	1.7	.7									4.4	1.5
NE	2.7	3.0	.7	1.3		.7						7.8	2.1
ENE	2.0	2.6										4.6	2.7
E	2.0	1.3	1.3	.7								5.3	2.1
ESE	1.0	.7				.7						2.6	1.5
SE		.7										.7	1.0
SSE	1.0	.7	.7									3.4	1.5
S	1.0											1.0	1.5
SSW		.7	.7									1.4	1.5
SW	.7											.7	1.0
WSW	.7											.7	1.0
W	.7											.7	1.0
WNW													1.0
NW	.7	.7	.7									2.1	1.5
NNW		.7	.7									1.4	1.5
VARBL												1.3	1.5
CALM												.1	1.5
	1.0	13.7	4.6	2.0		1.4						1.0	1.5

TOTAL NUMBER OF OBSERVATIONS 100

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON A YEARS 77-8 MONTH JA  
 ALL DAY LONG  
 CLAS  
 100-100  
 HOURS (L & T)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0											5.1	2.0
NNE	3.7	1.5										2.1	4.5
NE	4.7	3.3		1.0		0.5						7.5	4.8
ENE	1.7	1.1	0.5			0.7						0.5	2.2
E	4.2	1.1	0.3	0.3				0.7				0.5	5.1
ESE		0.7	0.3		0.7							1.0	1.0
SE		0.7	0.5	0.5								2.4	0.9
SSE												1.3	1.0
S		0.3	0.7									1.0	4.7
SSW		1.7										1.1	1.5
SW												0.2	0.0
WSW												0.2	0.0
W	1.0											0.1	3.1
WNW												0.2	2.0
NW												0.2	2.0
NNW		0.9										1.3	2.0
VARBL													
CALM												76.0	

TOTAL NUMBER OF OBSERVATIONS 1000



AL CLIMATE DIVISION  
 STAC  
 WASHINGTON FIELD

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

SURFACE WINDS

700 STATION FT RICHARDSON, AK YEARS 17-18 MONTH ALL  
 CLASS ALL  
 HOURS (LST) ALL  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0										1.0	1.0
NNE	1.0	1.0										2.0	1.0
NE	1.0	1.0	1.0	1.0	1.0							5.0	1.0
ENE	1.0	1.0	1.0									3.0	1.0
E	1.0	1.0	1.0	1.0								4.0	1.0
ESE	1.0	1.0	1.0	1.0								4.0	1.0
SE	1.0	1.0	1.0	1.0								4.0	1.0
SSE	1.0	1.0	1.0	1.0								4.0	1.0
S	1.0	1.0	1.0	1.0								4.0	1.0
SSW	1.0	1.0	1.0	1.0								4.0	1.0
SW	1.0	1.0	1.0	1.0								4.0	1.0
WSW	1.0	1.0	1.0	1.0								4.0	1.0
W	1.0	1.0	1.0	1.0								4.0	1.0
WNW	1.0	1.0	1.0	1.0								4.0	1.0
NW	1.0	1.0	1.0	1.0								4.0	1.0
NNW	1.0	1.0	1.0	1.0								4.0	1.0
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

ALBANY METEOROLOGICAL STATION  
 METAC  
 WEATHER SERVICE STATION

# SURFACE WINDS

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

STATION 736 FT. RICHMOND, NY STATION NAME 77-2 YEARS 77  
 CLASS ALL WEATHER HOURS (L.S.T.) 1800-1800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	1.0										1.0	2.0
NNE	4.0	1.0	.2	.2	.2							1.2	2.0
NE	3.0	1.4	.7	.5	.5							1.7	2.0
ENE	2.0	.2	.2	.2								2.0	2.0
E	1.0	1.0	.2	.2								2.4	2.0
ESE	1.0	.2		.2	.2							1.7	2.0
SE	.2			.2	.2		.2	.2				1.7	1.4
SSE	1.0		.7	.2	.2							2.4	2.0
S	1.0											1.0	2.0
SSW	.2	.2	.2									.7	2.0
SW	.2	.2	.2	.5								1.0	2.0
WSW	.2	1.0	.5									1.0	2.0
W	.2	.2	.5									1.0	3.7
WNW	.2											.2	2.0
NW	.2	.3										1.0	3.3
NNW	.7											.7	2.0
VARBL													
CALM												4.0	
	1.0	7.7	3.6	2.6	1.4		.2	.2				1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 41

NO. 01 MATHEWY BANCH  
 1940  
 STATION SE 216 2740

# SURFACE WINDS

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

STATION 216 10-3-55 STATION NAME AK YEARS 17-6 MONTH 11  
 CLASS ALL LEARNED HOURS (L.S.T.) 10-3-17-5  
 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	1.2	1.0										1.7	3.4
NNE	1.4	1.6	2	1.5	2							4.1	3.4
NE	2.4	7	2	5	2							8.1	3.4
ENE	2.3	7	2	2								5.8	3.4
E	2	2	5	2	2							10.4	3.4
ESE			2	2	2							10.2	3.4
SE	2			2	2		2	2				10.2	11.0
SSE	2	7	7	2	2							10.7	7.4
S	1.2	5	5	2	2							10.7	4.1
SSW			2	5	2							10.2	7.0
SW				2	2							10.7	10.7
WSW			5	2								10.7	10.7
W		2	2									10.7	4.7
WNW													4.0
NW													4.0
NNW	2	2											4.0
VARBL													
CALM												4.1	

TOTAL NUMBER OF OBSERVATIONS 412

U.S. CLIMATOLOGY HANDBOOK  
 METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION 34 FORT RITCHIE ARMY AIRFIELD STATION NAME 77-11 YEARS 1951-1952 MONTH 12

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

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1												
NNE	1.1	2.7	1.4	2.7									
NE	2.7	1.4	2.7	2.7									
ENE	1.1	2.7	2.7	2.7									
E	2.7	2.7	2.7	2.7									
ESE	2.7	2.7	2.7	2.7									
SE	2.7	2.7	2.7	2.7	2.7								
SSE	2.7	2.7	2.7	2.7	2.7								
S	1.1	2.7	2.7	2.7									
SSW	2.7	2.7	2.7	2.7									
SW	2.7	2.7	2.7	2.7									
WSW	2.7	2.7	2.7	2.7									
W	2.7	2.7	2.7	2.7									
WNW	2.7	2.7	2.7	2.7									
NW	2.7	2.7	2.7	2.7									
NNW	2.7	2.7	2.7	2.7									
VARBL													
CALM												5.7	
	1.1	7.7	5.4	1.7	2.7							2.7	1.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

ADDITIONAL DATA SHEET  
 USAFAC  
 DATA W. SERVICE AC

# SURFACE WINDS

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

STATION ST. CHARLES, ALA. STATION NAME 27-80 YEARS 1 MONTH 1

CLASS ALL CLASSIFIED

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	0	1	0	0	0	0	0	0	0	0	0.0	0.0
NNE	0	1	4	2	7	0	0	0	0	0	0	0.4	0.2
NE	3	1	5	7	7	1	0	0	0	0	0	0.4	0.2
ENE	2	4	2	1	0	0	0	0	0	0	0	0.1	0.0
E	1	7	6	3	0	0	0	0	0	0	0	0.1	0.0
ESE	0	1	4	2	1	0	0	0	0	0	0	0.1	0.0
SE	0	3	4	4	1	1	1	0	0	0	0	0.2	0.1
SSE	0	4	1	1	1	0	0	0	0	0	0	0.1	0.0
S	2	4	3	1	1	0	0	0	0	0	0	0.1	0.0
SSW	0	7	2	1	0	0	0	0	0	0	0	0.4	0.4
SW	0	7	5	7	0	0	0	0	0	0	0	0.2	0.2
WSW	0	4	3	0	0	0	0	0	0	0	0	0.1	0.0
W	4	4	1	1	0	0	0	0	0	0	0	0.2	0.0
WNW	0	1	1	0	0	0	0	0	0	0	0	0.0	0.0
NW	0	2	0	0	0	0	0	0	0	0	0	0.0	0.0
NNW	4	7	1	0	0	0	0	0	0	0	0	0.0	0.0
VARBL												4.1	
CALM													

TOTAL NUMBER OF OBSERVATIONS 1130

1

AF CLIMATELOGY BRANCH  
TAC  
WEATHER SERVICE/AFAC

# SURFACE WINDS

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

STATION 38 FT. WIGGAM - SON AR STATION NAME 77-62 YEARS

ALL-DAY CLASS

77-62 MONTH

HOURE (L B T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										1.0	1.0
NNE													
NE	1.0	1.3	.6	1.3	.6							1.0	7.0
ENE	1.0	.6	1.3	.6								1.0	1.0
E	1.0	.6										1.0	1.0
ESE			.6	1.3								1.0	1.0
SE	1.0			1.3								1.0	1.0
SSE	2.0	.6		.6								1.0	1.0
S	1.0											1.0	1.0
SSW													
SW													
WSW													
W		1.0	.6									1.0	1.0
WNW													
NW													
NNW		1.0										1.0	1.0
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

U.S. AIR FORCE  
 METEOROLOGICAL SERVICE  
 WASHINGTON, D.C.

# SURFACE WINDS

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

STATION 756 LAKE CHARLES, LA STATION NAME LAKE CHARLES YEARS 77-80 MONTH FF

CLASS ALL

CONDITION \_\_\_\_\_

HOURS (L.S.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7										2.2	4.1
NNE		1.7		1.7	.2							4.2	6.7
NE	2.1	1.2		.2	.2							4.2	4.6
ENE	2.1	.7	1.2									4.2	4.2
E	1.7		.2	.2	.2	.2						2.7	2.1
ESE		.7	.2	1.5	.2							3.2	3.2
SE	1.7	.2	.5	.2	.2	.2						2.2	2.7
SSE	1.7	.5	1.7	1.2								4.2	7.7
S	1.7	1.2	.2	.2								2.2	4.4
SSW	1.1	1.7	.5									2.2	2.1
SW					.7							.7	2.1
WSW												.2	4.2
W		.7										1.2	4.2
WNW												.2	2.1
NW												.2	4.2
NNW												.2	2.1
VARBL													
CALM												10.5	

TOTAL NUMBER OF OBSERVATIONS 400

FEDERAL CLIMATOLOGY BRANCH  
 MET C  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 736 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-8 MONTH 7-11

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2											
NNE	2.1	1.2		.5	.7								
NE	1.1	1.0	.5	.5	.2	.2							
ENE	1.1	1.1	.5										
E	2.1	.5	.2										
ESE	.1	.2	.5	.5	.5	.2	.1						
SE	.1			1.4	1.6								
SSE	.1	.4	.1	.5									
S	2.1	.7	.5										
SSW	1.1	2.1	1.2	.2									
SW	.1	.2	.5										
WSW	.2	.2											
W	.1	.1											
WNW	.1	.1											
NW													
NNW	.1	.2	.2										
VARBL													
CALM													
	1.2	1.1	5.2	3.5	3.1	.5	.2						

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



STATION NO. 734  
 STATION NAME  
 DATE 77-81

# SURFACE WINDS

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

STATION NO. 734 STATION NAME 11-11-A-228 A YEARS 77-81 MONTH 11

CLASS ALL HEATED HOURS (LST) 1700-1900

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	.7	.5									.4
NNE	.5	2.1	1.2	.6	.6	.2						1.1	1.1
NE	.1	1.4	1.2	.2	.2	.5						.6	1.0
ENE	1.1	.6	.5									.3	.7
E			.5	.2								.1	.2
ESE		.1	.5	.2	1.4							.1	1.0
SE		.5		1.2	.2							.1	1.0
SSE	.2			.1								.1	.3
S	.7	.0	.7	.2								.2	.7
SSW	.7	.2	.2									.1	.4
SW	.1	.1	.2									.1	.3
WSW	.3	2.3	.1									.1	1.0
W	3.1	.1										.5	1.7
WNW	1.1	.2	.2									.1	1.1
NW	.2	.7										.1	1.0
NNW	1.1	.7										.2	1.0
VARBL													
CALM												4.1	
TOTAL	21.1	10.5	7.0	4.1	2.3	.7						10.7	

TOTAL NUMBER OF OBSERVATIONS 47

1  
 NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE  
 WEATHER SERVICE/NAVCAL

### SURFACE WINDS

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

STATION 735 FT RICHARDSON AK STATION NAME 17-P. YEARS 1900-1910 MONTH 1900-1910  
 CLASS ALL WEATHER HOURS (L & T)             
 CONDITION           

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.7	.5	.5								2.5	4.1
NNE	.7	2.2	1.5	.7								5.7	7.2
NE	.2	1.5	1.7	1.2	.2	.2						7.8	7.2
ENE	1.0	.7	1.8	.2								3.5	5.2
E	.2	.5	.7									1.5	3.2
ESE	.2	.7	1.0		.2							2.2	3.2
SE	.2	.5	.5	.7	.2	.7						2.2	3.2
SSE	1.0		.2	.2	.2							1.7	3.2
S	1.0	.7	.7	.5								3.9	3.2
SSW	1.0	.7	.5									2.7	4.1
SW	1.7	.7	.5									3.0	3.2
WSW	.2	1.0	.2									1.5	3.2
W	1.2	.2										1.5	3.2
WNW	.2	.5	.2									1.2	4.1
NW		.2										.2	3.2
NNW	1.7	.2		.2								2.2	3.2
VARBL													
CALM												.2	
	1.2	12.3	2.7	4.4	1.7	1.2						20.0	3.2

TOTAL NUMBER OF OBSERVATIONS 11

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGICAL DATA CENTER  
 WASHINGTON, D.C. 20541

# SURFACE WINDS

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

STATION 755 FT. IGHANUSOON, AK STATION NAME FT. IGHANUSOON, AK YEARS 77-80 MONTH ALL MONTHS

CLASS ALL MONTHS HOURS (L.S.T.) 1200-1201

CONDITION \_\_\_\_\_

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.0	.2									.1	1.1
NNE	1.1	2.7	1.4	1.4	.6	.7						6.2	2.6
NE	.3	.6	.9	.9	.9							3.1	7.5
ENE	.7	.7	.7									2.1	2.6
E	1.7	.7	1.4	.9	.8							4.2	2.6
ESE	.0	.2	1.1									1.3	3.4
SE	.0	.6	.5	1.7			.0					.4	10.7
SSE	.0	.0	.0									.0	.0
S	1.0	.6	.7	.6								3.4	2.1
SSW	.0	.2										.1	.7
SW													
WSW	.0	.0	.9									.1	1.1
W	.0	.0										.0	.0
WNW	.0	.0										.0	1.7
NW													
NNW													
VARBL													
CALM												3.0	
	13.0	6.5	6.2	5.4	1.7	.7	.7					30.0	2.4

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

NATIONAL CLIMATOLOGY BUREAU  
 METEOROLOGICAL SERVICE/AMC

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-81 MONTH ALL  
 CLASS ALL  
 HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	.5	.2								.3	4.0
NNE	2.1	1.7	1.1	.8	.5	.2						2.7	7.7
NE	2.2	1.3	.5	.6	.3	.2						.4	6.0
ENE	1.1	.7	.7	.1								.2	4.0
E	1.7	.2	.5	.2	.1	.2						.2	4.0
ESE	.7	.5	.6	.5	.3	.1	.1					.7	4.0
SE	.7	.3	.3	1.1	.5	.2	.					.1	11.0
SSE	1.4	.5	.5	.5	.0							.0	4.0
S	1.5	.9	.5	.3								.0	4.0
SSW	1.4	.	.5	.0								.0	4.0
SW	.7	.4	.3		.1							.0	4.0
WSW	.2	.2	.1		.2							.0	4.0
W	1.2	.5	.1									.0	4.0
WNW	.1	.2	.1									.0	4.0
NW	.1	.1										.0	4.0
NNW	.2	.4	.1	.1								.0	4.0
VARBL													
CALM													
	14.5	11.1	.6	4.4	2.1	.6	.1					15.0	4.0

TOTAL NUMBER OF OBSERVATIONS 221

ALBUQUERQUE, N.M.  
 T.O.  
 METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION 11 CHARLES A STATION NAME AK YEARS 77-80 MONTH ALL

CLASS ALL

CONDITION

MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3											
NNE	1.1	.4	.4										
NE	2.0	.4	.4										
ENE	1.0	1.3	.4										5.7
E	1.2	.4	.4										4.7
ESE	.4												
SE			.4	.4	.4	.4							14.2
SSE	.4	.4			.4		.4						14.2
S	.4	.4			.4		.4						14.2
SSW	1.2	2.2											4.1
SW	.4	.4	1.7	.4									4.1
WSW		.4											
W	1.2												5.0
WNW	.4	.4											
NW	.4												
NNW		.4	.4										
VARBL													
CALM												15.4	
	1.7	10.0	4.9	.5	1.3	.4	.4					12.2	

TOTAL NUMBER OF OBSERVATIONS 122

NATIONAL CLIMATOLOGY BRANCH  
 FORM NO. 1  
 U.S. WEATHER SERVICE/AMC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON AK YEARS 77-80 MONTH NORTH  
 CLASS ALL WEATHER  
 HOURS (L & V) \_\_\_\_\_  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.0											
ENE	1.0	1.0											
E		.4	.0		.7								
ESE		.4	.2	.1									
SE		.2	.5	.2	1.7	.4							
SSE		.4	.7	.7	.7	.4							
S	1.0	.4	.4										
SSW	1.0	1.0	.4										
SW		.3	.3	.1									
WSW			.4										
W		.2											
WNW													
NW													
NNW		.7	.4										
VARBL													
CALM													
	1.0	9.2	3.7	1.0	1.7	.4							

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DEPARTMENT OF COMMERCE  
 NATIONAL CENTER FOR ENVIRONMENTAL DATA  
 WASHINGTON, D. C. 20541

# SURFACE WINDS

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

STATION POCONO LAKE A STATION NAME POCONO LAKE A YEARS 17-20 MONTH ALL MONTH  
 CLASS ALL MONTH  
 HOURS (L.S.T.) ALL MONTH  
 CONDITION ALL MONTH

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.4										
NNE	.2	.2	.6										
NE	.2	.2	.4										
ENE													
E				.6	.2								
ESE			.6										
SE		.2	.5	1.7									
SSE			.6	.6	.2								
S	1.7		.2										
SSW		.4	.6	.6									
SW	.1	.4	.4	.2									
WSW	1.7	1.2	1.2										
W	3.2	2.1											
WNW	1.2	.2											
NW		.4											
NNW	.2	2.1	.4										
VARBL													
CALM													
	5	14.5	.1	3.2	.6								

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE  
 AIR CLIMATE CENTER  
 WASHINGTON, D.C.

# SURFACE WINDS

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

STATION 120 FT RICHARDSON AFB STATION NAME 77-60 YEARS 1950-1951 MONTH 12

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	.7	.3	.6									1.1	1.1
NNE	.7	1.7										2.4	2.4
NE	1.1	1.1										2.2	2.2
ENE	.7	.4	.4	.7								1.6	1.6
E	.7	.4	.4									1.5	1.5
ESE	.7	.4	.4			.4						1.5	1.5
SE	.7	1.1	.4	1.5	.4	.4						4.1	1.5
SSE	.4	.4	.4	.4								1.6	1.6
S	.7	.4	.4	.4								1.7	1.7
SSW	1.1	.4	1.1	.4								3.0	3.0
SW	1.1	.4	.4	.4								2.7	2.7
WSW	.7	1.1										1.8	1.8
W	.7	4.4	.2									5.3	5.3
WNW	1.1	.4										1.5	1.5
NW	1.1	1.1										2.2	2.2
NNW	.1	4.4	.6									5.1	5.1
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 100



ALBUQUERQUE - ANCH  
 CITY  
 DATA SERVICE AC

# SURFACE WINDS

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

STATION 735 FT. RICHARDSON AV. STATION NAME 77-8 YEARS 1 MONTH 12  
 CLASS ALL DATA HOURS (L.S.T.) 24  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 14

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY SERVICE  
 METEOROLOGICAL SERVICE DIVISION

# SURFACE WINDS

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

STATION 736 FT. RICHARDSON, AK YEAR 77-80 MONTH NA

CLASS ALL WEATHER HOURS (L & T) 1000-2000

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	.1	1.7	.6									4.1	2.8
NNE	1.7	.2										2.9	2.9
NE	1.7	.2	.4									2.9	4.1
ENE	1.2	.1	.4									2.9	4.1
E	.1	.4	.2	.2		.2						1.2	2.8
ESE	1.0	1.7	1.7	.4	.2							4.4	7.0
SE	.1	1.2	.6	1.2	.2							4.0	4.0
SSE	.1	.8	1.2		.4							2.7	2.7
S	1.7	.2	.1									2.3	4.1
SSW	1.7	.2	1.0	1.0								2.9	2.9
SW	1.2	.1	.2	.1								2.9	2.9
WSW	1.7	.1	.4									2.9	4.1
W	.1	.6	.2	.2								1.2	2.9
WNW													
NW				.2								1.0	1.0
NNW	.1	.2										1.0	2.9
VARBL												1.0	2.9
CALM												2.9	2.9
	17.3	13.4	7.7	4.0	.8	.2						2.9	2.9

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY CENTER  
 METEOROLOGICAL SERVICE CENTER

# SURFACE WINDS

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

STATION 735 STATION NAME FT RICHMOND, VA YEARS 77-8 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.7	.4									1.8	2.4
NNE	3.3	1.7	.3	.1								1.6	2.4
NE	1.7	1.1	.3									1.7	2.0
ENE	.8	.2	.2	.2								1.0	4.0
E	.2	.5	.4	.2	.1	.1						2.1	6.7
ESE	.4	.7	.7	.3	.1	.1						2.4	7.1
SE	.4	.1	.8	.9	.9	.2						3.7	11.7
SSE	.1	.5	.7	.3	.4	.1	.1					2.5	7.0
S	.1	.1	.4	.1	.1	.1	.1					1.5	4.7
SSW	1.2	.6	.6	.5	.2							2.1	5.0
SW	1.7	.1	.5	.4								2.7	5.1
WSW	1.7	1.1	.4									1.8	2.8
W	2.7	2.1	.1	.2								4.1	2.3
WNW	.9	.2	.2									1.1	2.0
NW	.7	.3	.2	.2								1.9	3.2
NNW	2.1	1.1	.4									3.4	2.7
VARBL													
CALM												10.0	
	2.7	15.0	3.3	2.9	1.1	.6	.2					10.0	2.7

TOTAL NUMBER OF OBSERVATIONS 701

NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 758 FT RICHARDSON AK YEARS 77-87 MONTH 7

CLASS ALL WEATHER HOURS (L.S.T.) 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 - 53	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.7	1.7	.4									1.4	4.4
NE	.4	1.7	.4									1.4	4.4
ENE		.4	.4									1.4	4.4
E	1.7	.4										1.4	4.4
ESE	.4	.4	1.7	.4								1.4	4.4
SE			.4	.4								1.4	4.4
SSE	.4		.4	.4	.4							1.4	4.4
S	1.7	1.7	.4									1.4	4.4
SSW	1.7	.4										1.4	4.4
SW	1.7	2.1	.4									1.4	4.4
WSW	.4	.4										1.4	4.4
W													
WNW				.4								.4	1.4
NW												.4	1.4
NNW	.4											.4	1.4
VARBL													
CALM												11.2	
	11.6	6.4	6.6	1.3	.4							11.6	1.4

TOTAL NUMBER OF OBSERVATIONS 227

ALBUQUERQUE STATION  
 AT THE SERVICE OF

# SURFACE WINDS

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

STATION EL PASO, TEXAS STATION NAME EL PASO, TEXAS YEARS 77-81 MONTH \_\_\_\_\_

CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											4.1	2.0
NNE	.7	1.0	.2	.2								4.1	2.0
NE	.2	.4	.4									2.0	2.0
ENE	1.4	.7	.4									2.0	4.4
E	.2	.2	.2									2.0	4.0
ESE	.2	.2	1.4	.2								2.0	2.7
SE	.2	.2	.2	1.2	.2							2.0	11.2
SSE	.2	.2	.5	.4								2.2	2.6
S	.2	.4										1.2	2.7
SSW	1.2	2.0	.6									4.5	4.2
SW	.4	.4	.4									1.4	4.0
WSW	1.2	1.2	.2									2.4	2.7
W	.2	.4										2.4	2.0
WNW	.2	.4										.2	4.2
NW	.2	.2										.4	2.7
NNW	.4	.6										1.2	2.0
VARBL													
CALM													
	1.4	9.2	4.5	2.8	.2							17.0	1.5

TOTAL NUMBER OF OBSERVATIONS 42

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE / WAC

# SURFACE WINDS

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

STATION 036 FT RICHARDSON AK YEARS 77-80 MONTH ALL

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

HOURLS (L.S.T.) 0000-1159

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.6	1.4	.2	.2							1.1	2.2
NNE	.7	.5	.6									1.8	2.8
NE	.	.5	.3	.6								1.9	3.0
ENE	.	.2										1.7	2.5
E			.1		.7							1.8	1.8
ESE		.1	.	.6	.2							1.9	11.1
SE	.	.6	.8	.7	.2							2.9	7.1
SSE	.1	.7	.4	.2								1.7	7.1
S	.	.4		.2								1.0	2.5
SSW	1.1	.7	1.1	.4								3.3	4.7
SW	1.7	1.8	.6									4.9	4.5
WSW	1.2	1.1	1.7	.4								5.6	4.4
W	.2	4.2										7.2	3.4
WNW	.2	1.6	.4									4.2	3.7
NW	.1	1.7	.4									3.4	3.1
NNW	3.1	2.6	.6									7.1	3.7
VARBL												14.3	
CALM													
	21.2	11.4	9.3	3.6	.2							10.2	

TOTAL NUMBER OF OBSERVATIONS 40

ALBANY METEOROLOGICAL STATION  
 1740  
 1740 SERVICE/1740

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHMOND AM YEARS 77-8 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 1400-1400  
 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	5.2	7.3	3.5	.4								16.6	3.6
NNE	2.1	2.3	2.0	.4								7.8	2.5
NE	.7	.7	.4									2.8	1.0
ENE	.4	.4	.4									1.6	.7
E	.2	.2	.4	.4								1.2	.5
ESE			1.2	.2	.2							2.6	1.0
SE	.2		2.2	.2								2.6	1.7
SSE	.4	.2	1.2	.4								3.2	1.7
S	.4	.4	.2									1.2	.7
SSW	.2	.4										1.4	.7
SW	1.4	.4	.2	.4								2.4	1.0
WSW	.2	2.2	.2	.2								3.0	1.4
W	4.2	5.3	.5									10.2	3.2
WNW	.2	3.4	1.2									7.8	2.4
NW	.2	3.2	.2									5.7	2.1
NNW	.4	3.2	.4	.4								4.4	1.6
VARBL													
CALM												11.0	
	26.1	32.0	15.4	3.6	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 400

AF CLIMATOLOGY BRANCH  
 ETAC  
 METEOROLOGICAL SERVICE/MAC

### SURFACE WINDS

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

STATION 730 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-8 MONTH NOV  
 CLASS ALL WEATHER NUMBER OF HOURS 170-171  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	4.2	2.2	.4								1.2	4.0
NNE	.1	2.1	3.1	.4								2.2	4.1
NE	1.2	1.2	.2									2.2	4.0
ENE	.4	.1			.1							1.4	3.4
E	.4	.1	.2	.2								1.2	3.2
ESE	.1	.4	1.6	.1								3.5	3.7
SE	.4	1.1	.1	.1								2.2	2.7
SSE	.1	2.1	3.3	.4	.1							3.2	2.7
S	.1	.4	.1									1.2	4.0
SSW	.1	2.1										2.1	4.0
SW	.1	1.2	.2	.4								2.7	3.0
WSW	1.4	2.1	.2	.4								4.2	4.0
W	3.3	.2	2.1	.1								13.7	4.0
WNW	2.7	3.1	.4									6.1	3.4
NW	2.1	1.5										4.1	2.4
NNW	3.7	3.1	1.2	.2								10.2	4.4
VARBL													
CALM												1.2	
	24.7	36.2	18.4	4.1	.4							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 42



WEATHER SERVICE  
 STAG  
 WASHINGTON

# SURFACE WINDS

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

STATION STAG WASHINGTON AX YEAR 77-80 MONTH 12  
 CLASS ALL SEATED HOURS (L.S.T.) 0000-2359  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.7	.2								5.7	2.0
NNE	.2	1.5	.2									2.1	2.0
NE	.2	1.7	.2									2.1	2.0
ENE	1.2	.2										1.4	2.0
E	1.1	.4	1.2	.2								3.0	2.4
ESE	.7	.2	1.2	.7	.2							2.7	2.7
SE	.2	.2	2.2	1.2	.2							4.2	2.7
SSE	.7	.4	1.1	.7								2.9	2.7
S	1.2	.7	1.1	.2								3.3	2.1
SSW	1.7	.2	.2									2.4	2.0
SW	1.2	1.3	.4									2.9	2.1
WSW	2.4	1.1	.4									4.0	2.0
W	4.1	3.7	.2									8.0	2.0
WNW	1.1	.4										1.5	2.7
NW	.2											.2	2.0
NNW	.4	.7	1.3	.4								2.2	2.0
VARBL													
CALM												3.5	
	21.7	16.5	12.7	8.7	.4							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 475

NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/7-AC

# SURFACE WINDS

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

STATION 7706 FT. SIGMA 800M AM STATION NAME 77-R YEARS

CLASS ALL WEATHER MONTH JUL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.9	1.3	.3	.0							1.0	3.0
NNE	.1	1.7	1.4	.2								1.3	4.2
NE	1.1	.0	.2	.1								2.4	4.0
ENE	.0	.4	.2		.0							1.0	4.0
E	.7	.2	.5	.2	.0							1.0	3.7
ESE	.0	.5	1.3	.5	.1							1.0	3.7
SE	.1	.5	1.2	.7	.1							2.0	3.7
SSE	.0	.5	1.4	.5	.1							2.0	3.7
S	.0	.0	.0	.1								.0	4.0
SSW	1.2	1.3	.3	.1								2.7	4.4
SW	1.2	1.2	.4	.2								1.0	4.7
WSW	.0	1.4	.5	.2								4.3	4.7
W	3.0	4.7	.3	.0								1.1	5.0
WNW	1.0	1.7	.3	.0								3.0	4.1
NW	1.4	1.2	.1									2.7	3.7
NNW	1.3	2.0	.7	.2								3.2	4.4
VARBL													
CALM												7.4	
	23.0	22.1	11.1	1.1	.4							36.0	

TOTAL NUMBER OF OBSERVATIONS 360

NAVAL OCEANOGRAPHY BRANCH  
 FLIPAC  
 WEATHER SERVICE/NAO

# SURFACE WINDS

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

STATION 736 FLIPAC STATION NAME FLIPAC YEARS 77-81 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 24  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2											1.1	2.1
NNE	1.2	.7	.7									2.2	3.7
NE	1.2	1.0										4.0	3.0
ENE	1.0	1.1										4.2	3.0
E	.2	.7	.4									4.5	3.7
ESE		.1	.7									1.1	3.7
SE	.4	.4	4.1	1.1								5.5	4.6
SSE	.4		.4	1.1								.7	3.0
S	2.0											2.0	3.0
SSW	1.0	.7										2.0	3.0
SW	.5	.7										1.1	3.7
WSW	.7	.4										1.1	3.0
W	.1											.7	3.0
WNW	.7	.4										1.1	3.0
NW													
NNW													
VARBL													
CALM													
	1.2	7.2	6.2	1.1								11.7	3.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

AL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 731 ST. MICHAELSON AK STATION NAME 77-10 YEARS MONTH HOURS (L & 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	0.4	2.4	.4									7.4	1.4
NNE	0.4	2.4	.4									7.4	1.4
NE	2.4	2.2	.4									7.4	1.4
ENE	1.2	.										7.4	1.4
E	.	.4										7.4	1.4
ESE	.	.	1.0	.4								7.4	1.4
SE	.4	.	2.6	.4								7.4	1.4
SSE	.	.	1.0									7.4	1.4
S	.4	.4										7.4	1.4
SSW	1.4	.4	.2									7.4	1.4
SW	1.4	2.6	.4									7.4	1.4
WSW	.4	3.6	.4									7.4	1.4
W	3.6	2.6	.2									7.4	1.4
WNW	1.4	.4										7.4	1.4
NW	.4	.										7.4	1.4
NNW	2.4	1.4										7.4	1.4
VARBL													
CALM												1.4	
	27.7	2.3	7.6	1.0									

TOTAL NUMBER OF OBSERVATIONS 400

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION 736 STATION NAME PT. RICHARDSON AFB YEARS 17-20 MONTH NOV  
 CLASS ALL WEATHER HOURS (L & T) 1800-1100  
 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	0.0	5.4	1.0									6.4	0.0
NNE	0.0	2.7	0.5									3.2	0.0
NE	1.0	0.0										1.0	0.0
ENE	0.0	0.0	0.2									0.2	0.0
E	0.0	0.0			0.2							0.2	0.0
ESE	0.0	0.0	0.5	0.5	0.2	0.2						1.4	0.0
SE	0.0	0.0	2.4	1.4	0.2	0.6						4.6	0.0
SSE	0.0	0.0	0.4	0.2								0.6	0.0
S	0.0	0.2		0.2	0.2							0.6	0.0
SSW	1.0	0.0	0.2									1.2	0.0
SW	1.0	1.4		0.2								2.6	0.0
WSW	1.0	4.4	1.2	0.2								6.8	0.0
W	1.6	7.4	2.2	0.2								11.4	0.0
WNW	4.0	2.2	1.0									7.2	0.0
NW	2.0	2.0										4.0	0.0
NNW	3.0	3.4	0.4									6.8	0.0
VARBL													
CALM													
	11.1	31.7	10.2	3.8	0.6	0.8						62.2	0.0

TOTAL NUMBER OF OBSERVATIONS 40

AL CLIMATOLOGY BRANCH  
 STAC  
 PATH - SERVICE/AC

# SURFACE WINDS

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

STATION 738 PT. MICHANSON AFB YEARS 17-91 DAY NORTH  
 CLASS ALL WEATHER 1900-1999  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.6	1.2									3.6	4.1
NNE	1.2	1.2	.2									1.2	3.0
NE	.2	.6	.6									1.4	3.0
ENE	1.2		.2	.2								1.6	4.4
E	.4	.4	.4									1.2	3.0
ESE	.4	.4	1.2	.4	.4							2.8	3.0
SE		1.2	2.6	3.2	.6	.4						4.4	11.7
SSE	1.2	1.2	2.4	1.2	.2							3.4	7.7
S	.4	.4	1.2	.4								2.4	3.0
SSW	1.2	.4	.4									1.6	4.4
SW	1.2	1.2	.6									2.4	4.4
WSW	1.2	5.4	2.6									5.6	5.0
W	.2	5.4	3.6									5.6	5.0
WNW	1.2	4.2	.8									5.6	4.1
NW	.4	2.2	.2									2.8	4.4
NNW	1.2	3.2	1.2									3.6	4.4
VARBL													
CALM												14.5	
	24.7	34.0	18.3	5.6	1.2	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 400

ALPHATFLO... ANCH  
 STAC  
 WATER SERVICE AC

# SURFACE WINDS

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

STATION 734 FT. RICHARDSON AFB STATION NAME FT. RICHARDSON AFB YEAR 77-8 MONTH 7-8

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

HOURLS (L & T) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.0									3.0	1.0
NNE	1.0	2.3	.4									2.1	5.7
NE	.0	.7	.2									.8	4.4
ENE	.4	.4	.2									1.0	1.0
E	.2	.0	.2									1.0	4.0
ESE		1.4	3.7	1.2	.4	.2						7.0	5.0
SE		1.2	7.6	9.6	2.5	.4	.7					17.7	10.1
SSE	.2	.0	4.1	2.1	.4							7.0	10.0
S	.4	.0	1.2	.0	.4							2.0	7.0
SSW	.2	1.0	.4									1.0	5.0
SW	.0	.4	1.0									1.0	5.0
WSW	1.0	3.1	2.3	.2								6.1	5.7
W	3.7	10.1	7.6	.4								21.0	5.7
WNW	.1	2.1	.6									4.7	5.1
NW	.0	1.2	.2									1.0	4.0
NNW	2.1	2.1	.5									4.7	4.7
VARBL													
CALM												10.1	
	15.2	4.2	10.2	10.5	3.7	.3	.2					38.1	7.0

TOTAL NUMBER OF OBSERVATIONS 437

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WDC 20540  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT. MICHAELSON AV YEARS 77-8 DAY 1 MONTH 1

CLASS ALL WEATHER HOURS (L.S.T.) 1300-2000

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	1.7	1.3											4.4
NNE	1.0	1.1											3.0
NE	.0	.0										1.0	3.7
ENE	1.1	.0										1.7	3.1
E	1.0	.4	.0		.4							1.0	3.0
ESE	.0	2.4	5.9	1.0	.2	.4						10.3	7.6
SE	1.1	1.3	7.8	5.0	1.0							17.1	10.4
SSE	.4	1.1	4.1	1.3	.6							7.8	5.7
S	.0	.0	1.3									1.3	3.0
SSW	1.7	1.7	.4									3.8	4.7
SW	1.7	2.6	.9									5.2	4.0
WSW	0.0	3.0	1.3									4.3	4.7
W	2.0	5.4	3.0									11.3	7.0
WNW	1.1	.0	.2									1.3	3.0
NW	.0											.0	2.0
NNW	.4	.0										1.3	3.0
VARBL													
CALM												1.4	
	10.0	21.4	26.8	9.1	2.6	.4						10.0	5.1

TOTAL NUMBER OF OBSERVATIONS 400



FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATE DATA CENTER  
 METEOROLOGICAL SERVICE DIVISION

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

SURFACE WINDS

STATION 736 FT RICHMOND AFB STATION NAME 77-4 YEARS 1961  
 CLASS ALL WEATHER MONTHS ALL  
 CONDITION \_\_\_\_\_  
 HOURS (L.G.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	0.0	2.0	0.0									1.0	4.0
NNE	0.3	1.7	0.3									4.4	2.7
NE	1.1	1.0	0.3									2.4	3.0
ENE	0.0	0.0	0.1	0.0								1.0	2.5
E	0.0	0.5	0.3		0.1							1.0	2.5
ESE	0.2	0.0	2.4	1.0	0.3	0.1						4.0	3.0
SE	0.4	1.1	4.1	3.2	0.0	0.2	0.0					10.0	3.0
SSE	0.4	0.7	2.2	0.0	0.2							4.7	2.0
S	0.7	0.4	0.7	0.1	0.1							2.2	2.0
SSW	1.7	0.0	0.3									2.4	4.0
SW	1.0	1.6	0.6	0.0								3.2	4.5
WSW	0.1	3.6	1.3	0.1								7.1	4.7
W	3.0	5.7	3.0	0.1								12.0	3.0
WNW	2.4	1.7	0.0									4.0	3.0
NW	0.0	1.1	0.1									1.2	3.0
NNW	1.0	1.0	0.4									4.1	4.1
VARBL												0.0	
CALM												0.0	
	27.0	26.4	17.2	5.4	1.6	0.4	0.0					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 736

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 FATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON AK YEARS 77-80 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-1800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	.7										1.7	2.0
NNE	1.4	.7										1.7	2.0
NE	1.7											1.7	2.0
ENE	1.4											1.4	2.0
E		.3	.3									1.0	5.7
ESE	.7	.3	.3	.7	.7							2.7	10.0
SE			1.0	.7								1.7	10.4
SSE	1.0		.7	.3								1.0	2.3
S	.7	.7	.3									3.1	3.1
SSW	2.0	1.4		.3								3.7	3.6
SW	1.4	.7	.7									2.7	4.0
WSW	.7	.7	1.0									3.0	3.0
W	.7	.3										.7	4.0
WNW	.7	.3										.7	3.0
NW	.7											.7	2.0
NNW	1.0											2.0	2.0
VARBL													
CALM												20.6	
	15.6	5.4	4.4	2.0	.7							100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 271

U.S. AIR FORCE WEATHER SERVICE  
 METEOROLOGICAL BRANCH  
 METEOROLOGICAL SERVICE CENTER

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AB STATION NAME 77-87 YEARS 1 MONTHS 1

CLASS ALL WEATHER HOURS (LST) 2400-0000

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	3.2	1.7	.6									3.2	3.2
NNE	2.7	1.7										2.7	3.0
NE	1.4	.4										1.7	3.0
ENE	1.2	.4	.2									1.7	3.0
E	.4		.6									1.2	3.0
ESE	.2	.2	.4	.6								1.6	3.4
SE	.4		.6	.8	.2	.2						2.3	3.3
SSE					.2							.4	3.4
S	1.7	1.0	.4									3.1	3.6
SSW	3.2	1.7	.2									2.2	3.6
SW	4.7	3.1	.6	.4								5.3	4.6
WSW	4.7	3.9	.6	.2								5.3	3.8
W	2.9	2.7										5.6	3.3
WNW	1.7	.8										2.5	2.9
NW	.8	.2										1.0	2.9
NNW	.6	1.2										1.7	3.7
VARBL													
CALM												43.7	
	33.3	1.4	4.9	2.1	.8	.2						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 14

FEDERAL CLIMATOLOGY SERVICE  
 METAC  
 WEATHER SERVICE/MAC

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

**SURFACE WINDS**

736 STATION FT RICHARDSON AK STATION NAME 77-80 YEARS 10 MONTHS 1969-1970 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0	2.7	.2									2.7	3.0
NNE	1.1	2.1	.2	.2								4.7	4.0
NE	1.4	1.7		.2								2.7	3.0
ENE	.4	.4	.2									1.0	4.0
E	.4	.1										1.2	3.0
ESE			.2	.6								1.2	11.0
SE		.4	.6	.6	.8							2.0	12.0
SSE	.1		.6	.2	.2							1.2	3.7
S	.6	1.7	.2									1.7	4.0
SSW	1.4	1.7	.2	.8								4.3	3.0
SW	1.0	1.6	.9	.4								4.3	3.0
WSW	4.5	2.3	1.2	.2								6.3	4.0
W	7.7	6.2	1.4									14.5	3.0
WNW	1.1	3.8										6.6	3.4
NW	2.1	.6										2.7	3.0
NNW	4.1	2.7										6.8	3.0
VARBL												7.7	
CALM													
	34.7	7.3	6.4	2.9	1.0							10.0	3.0

TOTAL NUMBER OF OBSERVATIONS 16

ALBUQUERQUE BRANCH  
 USAFETAC  
 WATHER SERVICE/AC

# SURFACE WINDS

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

STATION 776 FT. RICHARDSON AM STATION NAME FT. RICHARDSON AM YEARS 77-80 MONTHS 12  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-2400  
 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	2.7	.4									.6	2.0
NNE	1.7	1.5	.2									2.1	5.0
NE	1.2	1.2										2.3	5.1
ENE	.7	.2										1.2	3.0
E	.4											.4	1.0
ESE	.2	1.0	.7	.4								2.3	4.0
SE		1.7	3.1	1.2	.6	.2						1.2	12.0
SSE		1.0	1.4	.2								2.6	7.0
S	1.7	1.7	.6	.2								2.7	5.1
SSW	1.2	1.2	1.0	.2								3.0	5.0
SW	1.7	1.7	.8	.6								4.7	5.7
WSW	4.7	4.1	1.9	.4								10.7	4.0
W	7.2	7.0	2.7	.6								10.4	4.0
WNW	2.0	2.0	.6									6.0	4.0
NW	1.7	1.0	.4									2.3	3.5
NNW	3.2	2.7	.6									7.2	3.7
VARBL													
CALM												16.2	
	32.8	31.2	13.4	3.7	.6	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 516

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/14C

# SURFACE WINDS

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

STATION 736 STATION NAME FT. RICHARDSON AK YEARS 77-82 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 1800-1700  
 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	0.0	2.6	0.6									3.2	2.7
NNE	1.0	0.3	0.6									2.9	3.0
NE	0.1	1.7										1.8	3.0
ENE	0.0	0.6										1.2	3.0
E	0.4		0.6									1.0	3.0
ESE	0.4	0.4	2.7	1.6	0.6	0.4	0.0					6.5	3.0
SE	0.1	1.4	2.0	3.1	0.2							7.7	3.0
SSE	0.4	1.7	0.7	0.8	0.2							3.1	3.0
S	0.0	1.7	0.4	0.2								2.3	3.0
SSW	0.2	2.7	0.4	0.4								3.7	3.0
SW	0.0	1.3	0.4	0.6								3.3	3.0
WSW	0.3	5.3	3.0									11.6	3.0
W	3.5	0.6	6.7									10.9	3.0
WNW	2.0	2.2	0.9									5.1	3.0
NW	1.0	0.8										1.8	3.0
NNW	0.0	1.6	0.2									1.8	3.0
VARBL													
CALM												17.7	
	21.2	32.1	13.7	6.7	1.0	0.4	0.2					100.0	3.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGICAL SERVICE  
 METEOROLOGICAL SERVICE CENTER

# SURFACE WINDS

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

STATION 736 STATION NAME FT. RICHARDSON, AK YEARS 77-6 MONTH ALL  
 CLASS ALL WEATHER  
 HOURS (L & T) 24  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	.4	.4									3.2	1.0
NNE	1.0	.4										1.4	2.7
NE	.7	.4										1.2	2.0
ENE	1.4	.4										1.8	2.0
E	.7	.4	.4									1.5	2.0
ESE	.7	1.2	2.2	.6	.6	.2						2.2	2.0
SE		1.4	4.5	3.0	1.2							2.5	1.0
SSE	.4	1.4	2.4	.2								4.5	2.0
S	.2	.6	1.2									2.2	2.0
SSW	1.2	2.2	1.2	.2								5.7	3.0
SW	2.5	1.4	1.4									5.7	3.0
WSW	5.7	4.7	1.2									11.6	3.0
W	4.1	.3	2.2	.2								14.0	4.0
WNW	1.2	1.4	.2									2.8	4.0
NW	1.2	.2										1.4	2.0
NNW	1.4	.4										2.2	2.7
VARBL													
CALM												21.4	
	25.6	25.8	16.9	4.3	1.8	.2						116.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE/MAC

### SURFACE WINDS

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

STATION 731 FT RICHARDSON AK YEARS 77-80 MONTH JUL  
 STATION NAME CLASS ALL WEATHER MONTH ALL  
 CONDITION  HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.0	.4									2.2	3.2
NNE	1.7	1.3	.2	.1								2.2	3.2
NE	1.2	.7		.1								1.0	3.6
ENE	.9	.4	.1									1.0	3.1
E	.4	.2	.3									.9	3.7
ESE	.4	.1	1.1	.7	.7	.1	.1					3.2	1.0
SE	.1	.7	2.0	1.6	.5	.1						3.1	1.0
SSE	.1	.6	1.7	.3	.1							2.3	1.0
S	1.0	.0	.5	.1								2.0	4.5
SSW	1.0	1.7	.6	.3								4.4	4.7
SW	2.0	1.3	.7	.4								4.4	4.7
WSW	4.0	3.7	1.5	.1								7.4	4.4
W	1.5	5.3	2.3	.1								7.2	4.0
WNW	.0	2.0	.3									4.7	3.7
NW	1.4	.5	.1									3.0	3.1
NNW	2.5	1.5	.1									4.0	3.0
VARBL													
CALM												1.2	
	2.0	4.7	11.2	3.7	.9	.2	.6					11.2	3.4

TOTAL NUMBER OF OBSERVATIONS 234



FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 WEATHER SERVICE/MAE

# SURFACE WINDS

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

STATION 776 FT. RICHARDSON AK STATION NAME 77-6 YEARS 1950-1957 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.3									.1	1.0
NNE	1.7	1.7										.1	1.7
NE	1.7	1.7										.1	1.7
ENE	1.7	.7										.1	1.7
E		.7										.1	1.0
ESE		.7	.7									.1	1.0
SE	.7		.3	.3	.7							.1	1.0
SSE	.7	.3	1.0									.1	1.0
S	1.1	.7	.7									.1	1.0
SSW	.7	1.4										.1	1.0
SW		.3										.1	1.0
WSW	1.1	.7	.3									.1	1.0
W	.7											.1	1.0
WNW		.7										.1	1.0
NW	.3											.1	1.0
NNW												.1	1.0
VARBL													
CALM												4.7	1.0
	11.1	10.6	3.1	.3	.7							10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 61

NATIONAL CLIMATOLOGY BRANCH  
 AFITAC  
 WEATHER SERVICE/AFAC

# SURFACE WINDS

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

736 STATION FT. RICHARDSON AK 77-82 YEARS 1977  
 ALL WEATHER CLASS ALL WEATHER HOURS (L & T) 24  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.0										3.1	2.0
NNE	0.3	2.0	.4									2.7	2.0
NE	0.3	1.0	.1									1.4	2.0
ENE	.4	.4										.8	2.0
E	.4		.1									.5	4.0
ESE			.2	.0								1.2	11.0
SE		.1	1.0	.0								1.1	2.0
SSE	.4	.2	.2									.8	3.0
S	.6	.2	.2									1.0	4.0
SSW	1.1	1.0	.4									2.5	2.7
SW	0.7	1.0	.4									1.7	3.0
WSW	2.7	2.3	.7									5.7	3.4
W	2.3	1.4										3.7	3.1
WNW	1.1	.3										1.4	3.0
NW	.1											.1	2.0
NNW	1.2	.4										1.6	2.0
VARBL												1.0	2.0
CALM												1.0	2.0
	26.4	15.7	3.7	1.6								47.4	1.2

TOTAL NUMBER OF OBSERVATIONS 474

AL CLIMATELOGY BRANCH  
 AFSTAC  
 WEATHER SERVICE/AFAC

# SURFACE WINDS

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

STATION 236 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-80 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 240-240  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.3	1.2									2.4	3.0
NNE	.2	2.8										4.7	2.8
NE	.2	1.4										2.2	2.7
ENE	1.2	.4										1.4	2.3
E			.2									.2	.2
ESE	.2		.5									.2	.2
SE		.2	1.2		.2							1.6	.2
SSE	.2	.2	.2	.4								1.2	2.4
S	1.2	.2	.2	.2								2.7	2.2
SSW	1.2	1.2	.2	.2								2.4	5.2
SW	1.2	2.7	.2									4.7	2.2
WSW	3.2	3.1	.2									7.3	2.7
W	5.2	5.7	.2									12.3	2.7
WNW	2.7	1.6	.2									4.5	2.2
NW	1.4	.2										2.2	2.2
NNW	1.2	2.2										4.1	2.2
VARBL													
CALM												26.2	
TOTAL	20.8	7.1	5.3	.8	.2							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 1

U.S. AIR FORCE  
 METEOROLOGICAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/AFAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON AM YEAR 17-81 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 100-1400  
 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	4.3	4.3	.6									3.2	2.1
NNE	1.3	1.2	.4									4.2	3.4
NE	1.4	.	.4									.2	2.1
ENE	.											.	2.7
E	.4											.6	2.2
ESE	.	.2	.2		.4							1.0	3.1
SE	.	.	1.2									1.2	3.7
SSE	.	.4	.5	.4								.7	3.8
S	.7	1.6	.2									3.7	3.7
SSW	1.2	1.2	.									1.1	4.5
SW	.	1.4	.4									2.0	4.0
WSW	.7	3.1	1.2									3.4	4.2
W	.7	5.7	1.6									13.0	3.7
WNW	1.	3.7	.4									3.5	4.1
NW	1.	2.										3.2	3.5
NNW	2.7	1.4	.2									4.5	3.1
VARBL													
CALM												1.0	
	31.7	26.0	9.2	.4	.4							100.0	

TOTAL NUMBER OF OBSERVATIONS 11

U.S. AIR FORCE METEOROLOGICAL SERVICE  
 METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION 730 FT RICHMOND, AK STATION NAME FT RICHMOND, AK YEARS 17-20 MONTHS ALL  
 CLASS ALL WEATHER HOURS (LST) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNOTS) DIR.	1-3	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	2.4	.4									2.4	5.0
NNE	2.4	1.6	.2									2.4	5.0
NE	1.6	1.6										2.4	5.0
ENE	.8	1.6										2.4	5.0
E	.8	.4	.2									1.6	4.0
ESE			1.6	.4								2.4	1.0
SE	.8	.4	1.2	1.0								2.4	1.0
SSE	.4	1.6	1.4	.2								3.6	5.0
S	1.6	.8	1.2	.2								3.6	5.0
SSW	1.2	1.6	1.2									3.6	5.0
SW	1.2	1.6	.4									3.6	5.0
WSW	2.4	4.0	1.6									7.6	5.0
W	4.0	8.0	4.0	.6								17.6	5.0
WNW	1.6	1.6	.4									3.6	5.0
NW	1.6	.4	.2									2.4	5.0
NNW	1.6	1.4	.2									3.6	5.0
VARBL												2.4	5.0
CALM												7.6	
	26.0	7.8	14.4	3.6								10.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1000

1

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 736 FT RICHARDSON AK STATION NAME 77-82 YEARS 1971  
 MONTH 1970-2000  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2	.6									2.4	3.1
NNE	1.0	1.1	.2									3.2	3.1
NE	.2	1.1										1.7	3.1
ENE	.2	.2										1.1	4.4
E	.4	.4	.2									1.1	4.4
ESE		.7	2.3	.8								3.0	7.1
SE	.4	1.3	3.2	1.1								5.9	6.2
SSE	.7	1.1	1.9	.4								4.6	7.1
S	1.0	2.1	.6	.2								4.3	4.0
SSW	2.0	1.3	.6									4.4	3.1
SW	2.7	1.7	.4									4.6	3.7
WSW	7.4	3.0	.6									7.8	6.2
W	4.4	5.5	1.1									10.9	4.7
WNW	.4	.7										1.7	4.0
NW	.4											.4	2.0
NNW	1.5	.2										1.7	2.0
VARBL													
CALM													
	23.9	2.3	11.0	2.5								10.0	

TOTAL NUMBER OF OBSERVATIONS 471

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR FORCE SERVICE CENTER

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AK YEAR 77-80 MONTH JUL  
 STATION NAME FT RICHARDSON AK CLASS ALL - LAINED HOUR (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	2.4	0.5									2.1	2.1
NNE	2.0	1.7	0.2									4.4	1.6
NE	1.3	1.1	0.2									2.6	2.7
ENE	0.0	0.0										1.7	2.7
E	0.4	0.3	0.1									0.8	1.6
ESE	0.1	0.2	1.1	0.4	0.1							1.8	2.6
SE	0.7	0.9	1.4	0.7	0.1							3.2	2.9
SSE	0.7	0.7	0.9	0.3								2.3	2.6
S	1.5	1.0	0.5	0.1								2.1	4.2
SSW	1.5	1.2	0.0	0.0								2.4	4.2
SW	1.5	1.7	0.2									3.4	1.9
WSW	2.2	2.0	0.2									2.0	4.1
W	4.3	4.7	1.3	0.1								1.4	2.7
WNW	1.4	1.5	0.2									2.1	3.7
NW	1.1	0.3	0.0									1.4	3.7
NNW	1.0	1.1	0.1									2.7	4.2
VARBL													
CALM												2.2	
	2.3	2.5	8.2	1.6	0.2							10.0	2.4

TOTAL NUMBER OF OBSERVATIONS 2709

1  
 NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 136 STATION NAME FT RICHARDSON AK YEARS 77-81 MONTH 5  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-1000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	.7										1.3	2.0
NNE	.7	.7										1.3	4.0
NE	3.3											3.3	3.0
ENE	.7	.3										.3	2.3
E	.7											.7	2.0
ESE		.7	.3									.7	2.0
SE		.7		.7								.7	2.0
SSE	.7	.7	.3									1.3	2.0
S	.7		.7									1.3	2.1
SSW	3.3			.7								3.3	4.0
SW	.7	.7										.7	3.0
WSW	1.3											1.3	2.0
W	.7											.7	2.0
WNW	.7											.7	2.0
NW													
NNW	.7	.7										.7	2.0
VARBL													
CALM												1.4	
	13.4	3.6	1.0	.7								17.4	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE  
 WEATHER SERVICE/FAO

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

**SURFACE WINDS**

STATION 736 FT RICHARDSON AK STATION NAME 77-60 YEARS ALL WEATHER MONTH 000-000  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.8										2.5	3.0
NNE	1.4	.8										2.3	2.9
NE	1.7	.9		.2								2.1	2.7
ENE	.2	.5										1.2	1.7
E	.2	.4										.6	.7
ESE	.4	.2										.6	.7
SE	.2	.4	.2	.2								.9	1.1
SSE	.4	.2	.2									.9	1.1
S	1.2		.2									2.1	2.6
SSW	2.0	1.1	.2									3.3	4.0
SW	1.7	1.3	.6									3.2	4.4
WSW	1.9	1.5	.2									3.5	5.0
W	1.9	.4										2.3	2.8
WNW	1.1	.2										1.2	1.1
NW													
NNW		.4										.9	1.0
VARBL													
CALM												71.7	
	17.5	8.9	1.5	.4								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 527

2  
 METEOROLOGICAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 736 FT RICHARDSON AK 77-82 YEARS 1977-1982  
 STATION NAME CLASS HOURS (L.S.T.)  
ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	3.2	.2									.1	3.7
NNE	4.5	1.1	.6									.2	3.7
NE	.2	.4										.2	4.0
ENE	.7	.6										1.1	3.7
E	.2	.6										.4	4.0
ESE			.2									.2	7.0
SE	.2		.2									.4	6.7
SSE	.4	.5	.2		.2							1.3	6.7
S	.4	.4	.4		.2							1.0	6.0
SSW	.2	2.3	.4									2.4	4.3
SW	1.2	1.1	.6									3.0	3.9
WSW	4.5	1.5										6.1	2.7
W	3.2	2.7	.6									7.2	3.6
WNW	2.5	.9										3.0	2.6
NW	1.2	.2										1.9	2.2
NNW	2.3	1.1										4.0	2.2
VARBL													
CALM												44.6	
	22.9	16.7	3.6		.2							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 100

NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEAR 77-82 MONTH ALL

CLASS ALL MONTH (L.S.T.) ALL

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	0.5	4.4	.6									1.0	2.0
NNE	4.7	1.0										1.0	2.7
NE	1.0	.0	.6									1.4	2.7
ENE	.0		.2									.4	2.2
E	.6											.6	2.2
ESE		.4	.8	.2								1.3	2.6
SE	.4	.6	.8	.2								1.9	2.6
SSE	.4	.2	1.1	.6								2.3	7.6
S	1.0	.4										1.3	2.6
SSW	2.1	1.1	.4									3.5	2.7
SW	1.0	1.3	.4									2.7	4.1
WSW	1.0	1.0	.4									2.3	4.1
W	4.4	1.3	1.3									7.0	4.1
WNW	2.1	1.0	.2									3.3	2.6
NW	1.5	.0										1.5	2.1
NNW	4.0	1.1	.2									5.3	2.9
VARBL													
CALM												76.4	
	30.7	21.8	6.0	.8								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 522

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 736 FT RICHARDSON AK STATION NAME AK YEARS 77-81 MONTH ALL

CLASS ALL WEATHER HOURS (L.S.T.) 1800-1700

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	0.2	2.3	.2									2.7	3.1
NNE	4.2	2.1	.2									6.5	3.0
NE	1.2	.2		.2								2.2	3.0
ENE	.2	.4										1.3	2.7
E	.2	.2	.2	.2								1.2	3.0
ESE	.2	.4	1.2	.2								1.7	3.0
SE	.2	1.2	3.7	.2	.4							5.7	4.4
SSE	.2	.6	1.2	.4	.4							3.2	3.4
S	1.5	.4	.4									2.3	3.7
SSW	1.7	1.2										2.7	3.7
SW	1.2	1.2										2.7	3.0
WSW	0.3	5.7	.6									6.6	4.3
W	3.2	3.5	.2									6.9	4.0
WNW	1.7	1.2	.2									3.1	3.0
NW	1.2	.2	.4									2.2	3.2
NNW	3.2	1.5										4.4	2.7
VARBL													
CALM												11.4	
	22.2	24.6	8.5	1.7	.4							10.0	3.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

U.S. AIR FORCE  
 METEOROLOGICAL BRANCH  
 METAC  
 WEATHER SERVICE/AFAC

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEAR 77-78 MONTH 8

CLASS ALL WEATHER HOURS (L.S.T.) 100-1000

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	.0	.2									2.4	2.4
NNE	1.2	.2										1.4	2.0
NE	.0	.0										.0	2.0
ENE	.0	.2										1.0	2.0
E	.0	.0	.4	.2								1.2	2.7
ESE	.4	.1	1.1	.6								2.2	7.0
SE	.0	1.3	3.0	.6	.4							5.2	8.0
SSE	1.0	.0	1.2									3.0	4.0
S	.0	1.2	.2									3.0	3.7
SSW	3.6	1.1										4.0	3.7
SW	2.2	1.5	.8									4.0	4.5
WSW	5.2	2.4	.4									7.7	3.5
W	2.4	1.2	.2									3.0	2.0
WNW	.0	.0										1.0	2.0
NW	.0	.2										.2	4.0
NNW	.0	.2										.4	2.0
VARBL													
CALM												5.0	
	21.4	11.5	8.3	1.2	.4							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-80 MONTH ALL  
 CLASS ALL  
 HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.1	.2									5.2	3.0
NNE	1.0	1.2	.1									4.3	3.0
NE	1.4	.4	.1	.1								3.0	3.0
ENE	.7	.4	.0									1.2	3.0
E	.1	.2	.1	.1								1.2	4.0
ESE	.2	.3	.5	.1								1.2	3.0
SE	.1	.5	1.5	.7	.1							3.0	3.0
SSE	.7	.4	.7	.2	.1							2.2	3.0
S	1.0	.4	.4									2.4	3.0
SSW	.1	1.7	.2	.0								3.7	3.0
SW	1.0	1.4	.4									2.3	4.0
WSW	2.0	2.5	.3									5.7	3.0
W	1.0	2.1	.5									1.0	2.7
WNW	1.0	.8	.1									2.4	3.0
NW	.0	.4	.1									1.0	3.0
NNW	2.3	.3	.0									3.1	2.0
VARBL													
CALM												2.4	
	25.1	15.4	5.2	.8	.2							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 210

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/AFAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHMONSON AL YEARS 77-80 MONTH ALL  
STATION STATION NAME YEARS MONTH

CLASS ALL WEATHER HOURS (L.S.T.) 2400-2400  
CLASS HOURS (L.S.T.)

CONDITION \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.4									1.0	1.0
NNE	2.2	.4										.8	2.2
NE	1.7		.7	.4								.8	1.7
ENE													
E	.7		1.7	.7								2.2	2.7
ESE	.7		1.7	1.4								2.2	3.4
SE		.7	.7	.7								1.0	3.4
SSE	.7		2.1	.7								2.2	3.4
S	1.7											1.0	3.4
SSW	1.7	.4	.4									2.2	3.4
SW	1.7	1.7		.4								2.2	4.6
WSW	1.7											1.0	2.2
W	.4											.4	2.2
WNW		.4										.4	2.2
NW	.4											.4	2.2
NNW			.4									.4	2.2
VARBL													
CALM												71.0	
	1.1	2.5	7.4	4.3								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 240

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE/AFAC

# SURFACE WINDS

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

STATION 136 STATION NAME FT RICHARDSON AK YEARS 77-80 MONTH ALL  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 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		.4	.6									1.0	1.0
NNE	.2	.2										.4	1.4
NE	.2	.2	.2									1.0	3.0
ENE	.2	.6										1.0	3.0
E	.2	.4	.2	.4								1.6	6.0
ESE	.2	.2	1.2	1.4	.2							3.2	10.1
SE	.2	.4	1.2	1.2								3.0	9.1
SSE		.2	2.0	.2								2.5	7.7
S	1.2	.4	.4									2.0	6.0
SSW	.2	.2	.4									1.0	3.0
SW	.2	.2	.4	.4								1.6	4.8
WSW	.2	.4										1.0	3.0
W	.4	.4										1.0	3.0
WNW												.2	0.6
NW			.2									.2	0.6
NNW	.2											.2	0.6
VARBL													
CALM												72.0	21.6
	11.7	5.3	5.5	2.7	.2							17.0	1.6

TOTAL NUMBER OF OBSERVATIONS 480



ADULT TALENT 4108  
 STAC  
 STATION SERVICE AD

# SURFACE WINDS

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

STATION FT RICHARDSON AP STATION NAME FT RICHARDSON AP YEARS 77-81 MONTHS ALL  
 CLASS ALL HOURS (L.S.T.) ALL  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	1.6	.2									.7	
NNE	3.8	1.2	.4									1.1	
NE	1.8											.4	
ENE	2.2		.6									.4	
E	.8	.4	.6									.4	
ESE	.8	.2	1.1	1.6	.6							1.1	
SE		.8	1.4	1.2								1.1	
SSE	.2	.8	.4	.4								.7	
S	1.8	.2	.4	.4								.7	
SSW	1.8	1.2	.4									.4	
SW	2.8	.4	1.8									.4	
WSW	1.1	1.8	.4									.7	
W	1.1	1.8										.7	
WNW	.8	.8										.4	
NW	.8	.2										.7	
NNW	1.8	.4										.7	
VARBL												.1	
CALM													
	27.2	10.4	1.4	3.7	.6							10.0	2.9

TOTAL NUMBER OF OBSERVATIONS 465

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 731 FT RICHARDSON AK STATION NAME 77-82 YEARS 1970-1971 MONTH 1970-1971  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.1	.2									2.2	3.2
NNE	.1	1.4	.6									7.7	3.0
NE	1.2	1.	.2									2.2	3.0
ENE		.4	.2									.6	2.0
E	1.	.2	1.0									2.3	3.0
ESE		.1	1.0	1.0	.0	.2	.2					4.1	3.7
SE		.4	1.0	.6								3.1	3.0
SSE	.2	.1	1.0	.4								2.3	3.0
S	1.2	1.2	.2									2.7	3.0
SSW	.1	1.5	.6	.2								4.5	4.4
SW	1.	.6	.6	.4								2.7	4.0
WSW	1.1	3.0	.4									6.7	3.7
W	3.	1.0										3.1	3.1
WNW	1.	.1		.2								2.2	3.0
NW	1.	1.0										1.0	3.0
NNW	3.7	2.0	.2	.2								7.0	3.3
VARBL													
CALM												2.4	
	32.0	42.1	3.0	3.3	.2	.2	.2					11.0	3.0

TOTAL NUMBER OF OBSERVATIONS 478

NATIONAL METEOROLOGICAL SERVICE  
 METAC  
 WEATHER SERVICE CENTER

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

**SURFACE WINDS**

754 STATION FT. RICHARDSON AFB 77-8 MONTH 12-1-1971  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.9	.2										
NNE	1.3	1.5	1.2										
NE	1.7	.6	.4	.2									
ENE	.5	.4	.2										
E	1.2	.5	.6	.2									
ESE	.4	.6	1.1	.6		.6							
SE	.2	.4	2.5	.6		.4							
SSE	.2	.8	.8	.2		.2							
S	.2	.2	.4	.4									
SSW	1.2	.2	.2	.2									
SW	.2	1.7	.2										
WSW	2.7	1.7	.6										
W	1.7	1.5	.2										
WNW	1.2	1.7											
NW	1.2	.4											
NNW	3.1	1.2	.4										
VARBL													
CALM												43.7	
	27.6	17.1	9.6	2.7		1.2						100.0	

TOTAL NUMBER OF OBSERVATIONS 421

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 72E FT RICHARDSON AK YEARS 77-8 MONTH 7  
 CLASS ALL WEATHER 1907-1909  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.2									2.2	4.4
NNE	1.7	.4	.2	.2								1.2	4.1
NE	.7	.7	.4									1.7	4.0
ENE	.7	1.1	.7									2.5	4.0
E	1.7	1.1	.4	.2								3.2	4.1
ESE	.7	1.7	2.7	.7	.2							1.3	7.7
SE	.4	1.1	1.7	1.3		.4						4.0	10.0
SSE	2.2	.4	1.3		.2							4.0	6.2
S	.2	.7	.7									3.0	3.7
SSW	1.7	1.5	.7									3.0	4.6
SW	.2	.4										1.7	3.4
WSW	.2	.7	.2									1.7	3.7
W	.2	.7										.7	3.0
WNW	.4											.4	3.0
NW	.4											.2	3.0
NNW	.7	.2	.2									1.1	4.0
VARBL													
CALM												.7	
	12.0	12.4	9.7	2.4	.4	.4						100.0	

TOTAL NUMBER OF OBSERVATIONS 442

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON A4 YEARS 77-81 MONTH ALL  
 CLASS ALL WEATHER  
 CLAS HOUR (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.2	.3									.4	3.4
NNE	.1	.1	.4	.0								.5	2.2
NE	.2	.4	.3	.1								.5	4.0
ENE	.6	.4	.4									.4	4.0
E	.1	.2	.7	.2								.4	3.4
ESE	.6	.6	1.2	1.1	.2	.7	.1					.5	1.0
SE	.7	.6	1.6	1.7	.7	.1						.4	2.0
SSE	.6	.6	1.5	.7	.0	.0						.1	7.0
S	1.2	.6	.4	.1								.4	4.0
SSW	1.0	.7	.4	.1								.1	4.1
SW	1.8	.9	.4	.2								.5	4.0
WSW	1.7	1.4	.3									.5	3.0
W	2.8	.7	.7									.7	3.1
WNW	.6	.6	.7	.0								.2	3.0
NW	.7	.3	.4									.0	3.0
NNW	1.7	.9	.2	.0								.8	3.4
VARBL													
CALM												3.9	
	21.1	12.4	8.2	3.2	.3	.4	.0					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 2889

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON A4 YEARS 77-82 MONTH 06  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-1900  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	.2										.1	3.5
NNE	2.6	1.4										4.3	3.1
NE	1.4	.7										2.1	2.0
ENE	1.4	.7	.4									2.5	4.0
E	1.4	.4	.7									2.5	3.7
ESE		.3	1.1				.4					1.6	12.0
SE	1.4	.7		1.1								3.6	5.6
SSE	2.6	1.1	.7	.4								5.0	4.4
S	1.4	.7	.4	.4								3.2	4.0
SSW	1.4	.7	1.4									3.7	5.0
SW	.4	1.1		.4								1.6	3.2
WSW	1.4		.7									2.1	3.0
W	.7											.7	2.5
WNW													
NW													
NNW		.4										.4	3.0
VARBL													
CALM												63.0	
	1.3	6.9	3.4	2.1			.4					100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 281

FEDERAL BUREAU OF METEOROLOGY  
 METEOROLOGICAL SERVICE  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON AK YEARS 77-81 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 000-2359  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0	.4									.4	4.2
NNE	3.2	1.2										4.2	2.6
NE	1.2	1.2	.6									3.4	4.1
ENE	1.4	.5		.2								2.2	4.0
E	2.2	.3	.4									3.4	3.4
ESE	.4	.4	.4		.4							1.6	2.7
SE	1.5		.4	1.2								1.2	3.0
SSE	.4	.2	.4									1.2	4.2
S	2.4	.4	.6									3.2	2.8
SSW	1.4	1.2	1.6	.2								4.4	3.7
SW	.4		.6									1.2	3.6
WSW	1.2	.4										1.2	3.0
W	.4											.4	1.5
WNW	.4				.2							.2	3.3
NW	.4		.2									.4	4.2
NNW	.2	.2										.2	4.5
VARBL													
CALM												12.7	
	21.1	4.5	5.6	1.6	.6							12.7	1.7

TOTAL NUMBER OF OBSERVATIONS 74

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/FAO

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON AK YEARS 77-82 MONTH 07  
 CLASS ALL WEATHER PERIOD 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 - 53	≥ 56	%	MEAN WIND SPEED
N	2.2	1.2	.2									4.0	2.7
NNE	1.6	1.2	.2									6.9	2.7
NE	2.2	.6	.2									3.0	3.3
ENE	2.2	.6	1.2									4.0	4.1
E	.6	.2		.2								1.0	4.7
ESE		.2	.2									.4	6.7
SE	.6	.2	.4	1.0		.4						2.0	11.2
SSE	.6	.2	.8			.2						1.0	7.4
S	1.4	.6	.8									2.8	3.7
SSW	1.4	1.6	1.4	.2								4.6	3.4
SW	1.2	.6	.4									2.2	4.4
WSW	2.2	1.6	.4									4.0	3.0
W	.6	.6										1.4	3.7
WNW	.6											.6	2.8
NW	.4	.2										.6	2.7
NNW	1.2											1.0	1.4
VARBL													
CALM												10.1	
	23.8	9.9	6.2	1.4		.6						106.0	1.5

TOTAL NUMBER OF OBSERVATIONS 374



AL CLIMATOLOGY BRANCH  
 -TAC  
 WEATHER SERVICE/AC

# SURFACE WINDS

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

728 STATION FT. RICHARDSON AK 77-82 YEARS MONTH 701  
 CLASS ALL WEATHER MONTHS (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	0.5	2.4	.6									3.5	3.1
NNE	5.7	3.6										4.5	3.1
NE	2.4	1.7	.5	.2								4.3	4.0
ENE	1.7	.2	.2	.2								1.7	4.0
E	.4	.6	.5									1.6	4.0
ESE	.6	.6	.2	.2								1.6	5.0
SE	.4	.2	.4	.6	.2							1.6	4.0
SSE	.6		.4	.4								1.4	7.0
S	1.2	1.4	.4									2.0	4.0
SSW	2.4	1.4	1.2	.2								3.1	4.0
SW	1.2	.2	1.0	.2								2.2	2.4
WSW	2.4	1.2										3.0	2.5
W	2.2	1.4	.2									3.0	3.4
WNW	1.4	.2										1.6	2.3
NW	1.4	.4										1.6	2.3
NNW	1.7	1.2	.2									2.4	3.0
VARBL												43.5	
CALM													
	23.6	16.4	6.3	3.0	.2							16.0	3.0

TOTAL NUMBER OF OBSERVATIONS 506

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

# SURFACE WINDS

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

734 STATION FT RICHARDSON AK STATION NAME 77-62 YEARS 1952-1956 MONTH SOUTH HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	.2									6.2	2.1
NNE	1.6	2.0	.2									4.8	3.1
NE	2.2	1.4										4.6	3.0
ENE	1.4	.6		.2								2.2	3.0
E	1.2	1.4	.6									3.2	4.0
ESE	.6	.4	1.0									2.0	3.4
SE	.4	.4	.6	.8	.2							2.4	10.2
SSE	.2	.6	.4	.2								2.0	5.0
S	.4	1.2	.2									1.8	4.0
SSW	1.4	1.6	1.4									4.4	4.0
SW	1.6	.4	1.0									3.0	4.0
WSW	.6	.2	.4									1.2	4.0
W	1.0	.6	.2									1.8	3.6
WNW		.2	.2									.4	7.0
NW	.4	.4	.2									1.0	3.6
NNW	1.0	.4	.2									2.0	2.0
VARBL													
CALM												3.4	
	24.0	17.7	7.5	1.2	.2							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 400

FEDERAL METEOROLOGICAL SERVICE  
 METEOROLOGICAL BRANCH  
 METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION 751 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-81 MONTHS ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-2400  
 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	1.1	1.1	.2									2.3	2.1
NNE	4.0	1.5	.2									5.7	2.7
NE	1.1	1.9	.4									4.2	4.4
ENE	1.1	.4	.2	.2								1.9	4.0
E	.2	.4	.4									1.0	2.2
ESE	.2	.4	.4	.4	.2	.2						2.5	2.9
SE	.2	.2	.4	.2	.4							2.3	2.5
SSE	.2	.2	1.1	.6								2.7	7.5
S	1.1	.4	.4									2.3	2.6
SSW	1.1	1.7	.6	.2	.2							4.0	2.1
SW	.4	.4	.6									1.7	2.6
WSW	.4	.4										.6	2.7
W	.2		.2									.4	2.5
WNW		.4	.4									.4	2.2
NW	.2	.2										.4	2.5
NNW	.2		.2									.8	2.7
VARBL													
CALM												4.5	
	12.9	10.5	4.3	1.7	.8	.2						18.9	1.7

TOTAL NUMBER OF OBSERVATIONS 477

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 736 FT RICHARDSON AK STATION NAME 77-62 MONTH ALL  
 CLASS ALL WEATHERED HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.4	.3									4.5	2.4
NNE	4.0	1.8	.2									1.7	2.6
NE	1.1	1.2	.4	.0								3.0	2.7
ENE	1.4	.5	.3	.1								2.4	4.2
E	1.0	.7	.6	.0								1.2	4.5
ESE	.4	.4	.5	.1	.1	.1	.1					1.7	7.7
SE	.2	.3	.4	.3	.1	.1						1.0	6.3
SSE	.0	.4	.6	.3		.1						2.2	6.3
S	1.3	.0	.5	.0								1.1	4.7
SSW	1.8	1.4	1.3	.1	.0							4.0	1.1
SW	.9	.1	.7	.1								.1	2.0
WSW	1.3	.1	.2									2.3	2.1
W	.0	.0	.1									1.0	3.4
WNW	.0	.1	.1		.0							.0	4.1
NW	.1	.2	.1									.0	3.7
NNW	.0	.4	.1									1.4	6.0
VARBL													
CALM												2.7	
	2.4	11.5	.3	1.6	.3	.1	.1					12.2	1.1

TOTAL NUMBER OF OBSERVATIONS 760

AL CLIMATOLOGY BRANCH  
 AFAC  
 WEATHER SERVICE/AFAC

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AFB STATION NAME FT RICHARDSON AFB YEARS 77-80 MONTH ALL

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

MOON \_\_\_\_\_

HOURS (L.S.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4										1.4	
NNE	7.7	1.4										9.1	
NE	1.3		1.4		.9							3.6	7.1
ENE													
E	1.7	1.7										3.4	3.0
ESE	1.4	.5	.5									2.4	4.7
SE				.5								1.4	10.7
SSE	.9		.5	.5								1.9	7.7
S	1.9	.5	.5			.5						2.7	7.7
SSW	.9		.9									1.8	5.0
SW				.5								1.4	7.7
WSW	.9		.5									1.4	4.0
W	.5	.5										1.0	3.0
WNW		.5										.5	4.0
NW													
NNW		.5										.5	4.0
VARBL													
CALM													
	14.5	1.4	2.9	1.0	.9	.5						18.0	1.4

TOTAL NUMBER OF OBSERVATIONS 21

FEDERAL BUREAU OF METEOROLOGICAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

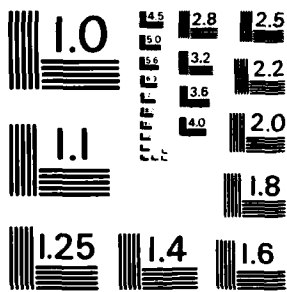
## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 736 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-82 MONTHS ALL  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 2400-2500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	1.9	.2									4.0	4.0
NNE	.0	1.5			.2							4.5	4.5
NE	3.0	1.5	.6	.0	.4	.2						3.6	3.6
ENE	.0											2.0	2.0
E	1.7	.0	.2			.0						2.3	4.0
ESE	.0	.4	.4	.4	.4							1.4	10.7
SE	.0	.2		.4	.2			.0				1.7	11.0
SSE	.0	.2		.4		.0						1.1	11.0
S	.0	1.1	.6	.6								3.2	6.3
SSW	1.7	1.1	.4	.8								3.2	5.3
SW	.0	.2	.4	.2	.2							1.5	3.3
WSW		1.1		.2								1.3	3.0
W	.0	.6	.0									1.6	4.7
WNW		.0										.2	4.3
NW		.0										.2	4.0
NNW		.0										.4	4.0
VARBL													
CALM												3.3	
	15.0	11.7	3.4	3.4	1.5	.6		.2				10.0	2.1

TOTAL NUMBER OF OBSERVATIONS 471





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



ALGOLMETEOROLOGY BRANCH  
 METAC  
 WEATHER SERVICE/NAO

# SURFACE WINDS

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

STATION 756 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEAR 77-8 MONTH 08-11  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 0000-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.5	.4										
NNE	1.2	1.3	.6			.2							
NE	.3	1.1			.4								4.7
ENE	1.1	.2											1.3
E	1.1	.4			.4								1.5
ESE			.4	.4	.4	.2							1.1
SE	.4	.2		.6	.4	.4	.2						1.3
SSE		.2		.4	.4								1.1
S	.1	.5	.6		.2			.2					1.1
SSW	.2	.2	.4	.4									1.1
SW	.2	.5	.2	.4									1.1
WSW	.4	.2	.4		.2								1.3
W	.6	.6	.2										1.1
WNW	.1	.2	.2										1.1
NW													
NNW	.2	.2	.2										1.1
VARBL													
CALM												3.3	
	1.8	7.4	4.4	2.3	2.5	.8	.2	.2				11.6	1.3

TOTAL NUMBER OF OBSERVATIONS 474

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AK YEARS 77-8 MONTHS 1977-1978  
 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	0.0	1.7	0.0									1.1	1.0
NNE	1.4	2.0	0.0									3.4	3.4
NE	0.1	0.6	0.2									0.9	2.4
ENE	0.4	0.4	0.2									1.0	4.0
E	1.1	0.4										1.5	2.7
ESE	0.4	0.5				0.4						1.3	2.1
SE			0.0		1.1	1.1	0.7					3.0	1.7
SSE	0.0	0.6		0.2	0.4							1.2	1.1
S	0.2	0.0	0.0	0.4								0.6	0.6
SSW	1.0	0.0	0.0	0.2								1.2	3.1
SW	0.0	0.0	0.0	0.2								0.2	5.7
WSW	0.0	1.7	0.4									2.1	4.0
W	0.0	0.4	0.2									0.6	7.0
WNW	0.0	0.2										0.2	2.0
NW		0.0										0.0	4.0
NNW												0.0	4.0
VARBL													
CALM												13.3	
	1.4	12.0	4.0	1.1	1.5	1.5	0.7					13.3	2.1

TOTAL NUMBER OF OBSERVATIONS 474

GENERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/PAC

# SURFACE WINDS

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

STATION 736 ET RICHARDSON AK STATION NAME 77-82 YEARS 1960-1961 MONTH NOV  
 CLASS ALL WEATHER HOURS (L & T)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4										1.3	1.0
NNE	1.1	.5	1.1									2.7	2.0
NE	1.2	.2	.2									1.6	1.5
NNE	2.4	1.3	.4									4.1	3.4
E	.6	.4		.2	.2							1.3	1.0
ESE	.2	.4	.2	.2								1.0	1.0
SE	.2	.2	.4	.4	1.3	.4						2.2	1.5
SSE	.2	.2	.2	.2	.4							1.3	1.1
S	1.2	1.1	.6	.2								2.2	1.5
SSW	.2	.2	.2	.2								1.0	1.0
SW	.4	.2	.2									1.0	1.0
WSW	.2	.2	.2									1.0	1.0
W	.5	.2										.9	1.0
WNW													
NW		.4										.4	1.0
NNW	.4	.2										.6	1.0
VARBL													
CALM												4.5	
	1.1	3.1	4.5	1.5	1.9	.4						12.0	1.0

TOTAL NUMBER OF OBSERVATIONS 467



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON AK YEAR 77-82 MONTH NOV  
 CLASS ALL WEATHER NUMBER OF HOURS 1100-0000  
 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	1.1	1.3										2.4	3.4
NNE	1.3	.7	.7									3.1	3.5
NE	1.1	.7	.4									2.2	4.1
ENE	1.1	.4										2.3	2.7
E	1.1	.4		.2								2.2	4.7
ESE	.7	.9	.2	.4		.7						2.4	7.7
SE	.4	.4	.4		.4	1.3						3.1	14.1
SSE	1.3			.2								2.4	6.1
S	.4	1.6	.9	.2								3.1	6.4
SSW	.2	.4	.7	.2								2.2	2.0
SW	.4	.4	.2	.2								1.3	5.5
WSW	.4	.2										.7	3.3
W													
WNW	.4	.2	.2									.9	4.2
NW													
NNW	.7	.2										.9	6.2
VARBL													
CALM												71.0	
	12.0	6.4	3.5	2.2	.4	1.6						100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 41

NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 735 FT RICHARDSON AK YEARS 77-81 MONTH ALL

CLASS ALL  
(L. S. T.)

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	.2									2.0	3.0
NNE	1.3	1.3	.5		.2	.1						2.0	3.0
NE	2.2	.9	.4	.0	.2	.0						3.0	4.7
ENE	1.0	.5	.2									1.2	2.0
E	1.1	.7	.0	.1	.1	.0						2.1	4.0
ESE	.7	.5	.3	.3	.2	.2						2.1	7.0
SE	.4	.2	.2	.4	.6	.6	.1	.0				2.4	19.6
SSE	.7	.2	.1	.4	.2	.1		.0				1.7	9.0
S	1.1	1.0	.7	.2	.0	.0						3.2	5.0
SSW	.2	.8	.6	.4								2.7	5.0
SW	.6	.5	.5	.2	.0							1.9	6.1
WSW	.5	.6	.2	.0	.0							1.5	4.7
W	.0	.4	.2									1.1	4.0
WNW	.0	.2	.1									.7	1.9
NW	.0	.0										.2	4.5
NNW	.2	.2	.0									.5	2.7
VARBL													
CALM												16.1	
	15.7	9.4	4.1	2.1	1.5	.9	.1	.1				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 2552

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 STATION NAME FT RICHARDSON AK YEAR 77-82 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4	.4									2.7	3.7
NNE	2.7	1.3	.9	.4								3.4	4.4
NE	5.4	1.3	.9									7.6	5.4
ENE	2.7	.9	.9	.4								4.9	4.4
E	1.3	1.3	.9									3.9	5.1
ESE	.9	.4										1.3	3.1
SE	.4		.9	.4		.4	.4					2.7	13.2
SSE		.4	.4	.4								1.3	5.3
S	.9	.4										1.3	3.0
SSW	1.3	.4										1.3	3.0
SW	.9			.4								1.3	6.7
WSW		.9										.4	4.2
W													
WNW	.4											.4	3.0
NW													
NNW	.4		.4									.9	6.7
VARBL												4.3	
CALM													
	12.2	7.6	5.8	2.2		.4	.4					12.0	1.3

TOTAL NUMBER OF OBSERVATIONS 224

FEDERAL CLIMATOLOGY BRANCH  
 U.S. METAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 736 FT. RICHARDSON AK YEARS 77-80 DIST. 8100-8500  
STATION NAME CLASS HOURS (L.S.T.)

ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2											1.0	3.0
NNE	1.1	1.6		.2								4.5	7.3
NE	2.3	.6	.6									4.5	4.4
ENE	1.2	1.2	.2	.4								4.5	4.4
E	2.0	.6		.2	.2							2.1	4.5
ESE	.4	.2	.2	.4		.4						1.6	11.4
SE	.4	.4		.4	.2	.2	.4					2.2	14.5
SSE	.4	.2		.2			.2					2.2	7.3
S	.4	.6		.2								1.2	4.4
SSW	.2	.4										1.2	3.3
SW	1.2	.2	.4	.4								2.2	6.0
WSW													
W	.2	.4	.2									.4	4.4
WNW		.4	.2									.4	5.7
NW	.2											.2	2.0
NNW	.2	.2		.2								.4	6.3
VARBL													
CALM												6.5	
	1.6	8.4	1.2	2.7	.4	.6	.6					13.0	1.7

TOTAL NUMBER OF OBSERVATIONS 487

AL CLIMATELOGY BRANCH  
 FETAC  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 736 FT RICHARDSON AK YEAR 77-78 MONTH DEC  
 CLASS ALL WEATHER HOURS (L.S.T.) 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	1.2	.4	.2									1.8	4.4
NNE	0.0	.6	.8	.4								2.2	4.4
NE	3.6	1.4	.8									6.4	4.4
ENE	2.2	.8	.2									3.2	4.1
E	2.2	.4	.4	.4								4.2	4.7
ESE	.8	.4	.2									1.4	3.6
SE	.6	.4	.2	.4		.6	.4	.2				2.4	3.6
SSE	.6	.6	.2	.4								1.8	3.6
S	1.2	.6			.2							1.8	3.1
SSW		.6	.2									.8	3.6
SW	.6	.2	.4									1.2	3.6
WSW		.4		.2								.8	3.6
W	.2		.2									.4	3.6
WNW	.4			.2								.6	3.6
NW													
NNW	.4											.4	3.6
VARBL													
CALM												70.1	
	15.2	6.9	3.8	2.0	.2	.6	.4	.2				100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 435



NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAO

# SURFACE WINDS

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

STATION 738 FT RICHARDSON AK STATION NAME FT RICHARDSON AK YEARS 77-80 MONTH DEC  
 CLASS ALL WEATHER HOURS (L.S.T.) 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	1.4	.3										2.3	2.4
NNE	3.5	1.2	.8	.4								6.2	4.2
NE	4.1	.8	.2									5.1	2.9
ENE	.6	1.7	.4									2.7	4.0
E	2.1	.6	.4									3.1	3.5
ESE	1.2	.4	.2		.2							2.1	4.3
SE	.2			.4	.4	.6	.4	.4				2.5	2.2
SSE	1.2	.2		.6			.2					2.3	7.7
S	1.4	1.7										2.5	2.4
SSW	.6	.4	.4									1.4	4.5
SW		.4	.2									.9	6.2
WSW		.4										.4	4.0
W	.4	.4										.9	4.3
WNW	.2		.2									.3	4.5
NW	.2											.2	2.2
NNW													
VARBL													
CALM												50.4	
	17.2	7.8	2.9	1.4	.6	.6	.6	.4				100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 467

NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 736 FT RICHARDSON AK YEARS 77-82 MONTHS DEC  
 STATION NAME STATION NAME YEARS MONTHS  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.2	.2									1.1	3.0
NNE	2.1	1.5	.4	.6								4.7	2.1
NE	2.5	.6										3.2	2.5
ENE	2.3	.7										3.0	2.8
E	1.9	.7	.4	.2								2.9	4.1
ESE	1.1		.2		.7			.4				1.9	13.0
SE	.2			.4	.6	.2		.4				1.9	20.7
SSE	.5	.2	.2			.4						1.5	4.4
S	1.1											1.1	2.4
SSW	.9	.8	.5									2.3	4.9
SW		.4	1.3									1.7	7.6
WSW		.7	.2	.2								.6	4.1
W		.0										.5	4.3
WNW	.4	.2										.5	3.5
NW		.2	.2									.4	7.0
NNW	.4	.6	.2									1.3	4.2
VARBL													
CALM												78.1	
	15.3	6.8	4.0	1.5	.8	.6		.8				100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 472

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL BRANCH  
 METEOROLOGICAL STATION  
 FATHER SERVICE/AC

# SURFACE WINDS

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

STATION 736 FT RICHARDSON AB YEARS 77-80 MONTHS \_\_\_\_\_

CLASS ALL WEATHER HOURS (L.S.T.) 1440-2400

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	1.1	1.4	.5									2.7	4.0
NNE	5.4	1.4	.7	.7								4.1	4.4
NE	3.3	1.1	.7									3.1	3.1
ENE	.9	1.8	.2									2.7	4.2
E	.5		.5	.2								1.1	6.2
ESE	.7	.2	.2	.2				.2				1.6	5.7
SE	.7	.2	.2	.5								1.6	6.7
SSE	.7	.2	.2	.5		.5						2.0	18.6
S	.9		.2	.2								1.4	5.3
SSW	1.1	.7	.7									2.9	4.8
SW	.7		.5									1.1	2.2
WSW	.2	.2	.2									.7	4.7
W		.7	.2									.9	5.2
WNW													
NW	.5	.2										.7	2.2
NNW	.5	.2										.7	2.2
VARBL													
CALM												70.0	
	14.0	1.1	5.0	2.3		.5		.2				100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 487

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 735 STATION NAME FT RICHARDSON AK YEARS 77-82 MONTHS ALL  
 CLASS ALL WEATHER  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.7	.2										3.4
NNE	1.3	1.3	.6	.5									4.4
NE	3.4	1.7	.5										1.3
ENE	1.6	1.1	.3	.1									1.3
E	1.7	.6	.4	.2	.1								4.3
ESE	.5	.3	.2	.1	.1	.1		.1					1.7
SE	.4	.2	.2	.4	.2	.3	.7	.2					1.8
SSE	.7	.4	.2	.3		.2	.1						1.7
S	1.0	.7	.2	.1	.2								4.1
SSW	.7	.6	.3										4.7
SW	.7	.2	.5	.1									6.1
WSW	.7	.3	.1	.1									6.2
W	.7	.4	.1										4.7
WNW	.7	.1	.1	.2									4.7
NW	.7	.1	.2										2.2
NNW	.7	.2	.1	.1									4.7
VARBL													
CALM													
	16.1	7.6	3.8	2.0	.4	.6	.3	.3				1.0	1.7

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

NATIONAL CLIMATOLOGY ADMINISTRATION  
 METEOROLOGICAL CENTER  
 WEATHER SERVICE/AFM

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

**SURFACE WINDS**

U.S. STANDARD TIME  
 SEE FIRST PAGE

734 STATION FT. RICHMOND, AK STATION NAME 77-b YEARS 1951 MONTH 11  
 CLASS ALL WEATHER HOUR (L.S.T.) 01  
 CONDITION

SPEED (KNTS) DIR.	1 - 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										
NNE	2	1	5	1	1								
NE	1	2	3	1	1								
ENE	1	1	2										
E	1	4	4	1									
ESE	1		2	5	2								
SE	4	3	1	2	3								
SSE	7		3	4	1								
S	1	2	4	1									
SSW	1	1	5	1									
SW	1	2	5	2									
WSW	1	1	5										
W	3	2	7										
WNW	1	1	2										
NW	7	5											
NNW	1	1	2										
VARBL													
CALM												.1	
	2	15	7	8	3	3	1	2				11.64	

TOTAL NUMBER OF OBSERVATIONS 2164

1

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE/MAC

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

SURFACE WINDS

USE WITH CAUTION  
 SEE REVERSE PAGE

STATION 736 STATION NAME FT RICHARDSON AK YEARS 77-80 MONTH ALL

INSTRUMENT CLAS CLASS CLAS MOBS (L.S.V.) ALL

CONDITION CLAS 000 TO 1400 FT // VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI // DIS 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	.1	1.4	.1	.0								4.6	2.1
NNE	3.0	1.1	.2									4.3	2.1
NE	1.4	1.0	.2									3.0	2.0
ENE	.7	.4	.2									1.3	4.0
E	.7	.2	.1									1.0	3.0
ESE	.3		.0									.3	1.1
SE	.0		.0		.0							.0	1.6
SSE	.0	.1	.1									.2	4.4
S	1.7	.5	.3	.0								1.1	2.0
SSW	1.7	1.4	1.2	.2								4.4	1.7
SW	1.4	1.0	1.2	.2	.0							4.7	3.4
WSW	1.4	2.1	.6	.0								4.2	4.4
W	1.7	1.1	.1									2.6	1.2
WNW	.7	.3										1.0	1.2
NW	.4	.2	.0									.7	2.6
NNW	.7	.3	.0									1.1	3.2
VARBL													
CALM												2.7	
	12.1	12.2	4.5	.6	.1							100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 1000

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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



#### ADDITIONAL EXAMPLES

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

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

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

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

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



GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

1736 FT RICHARDSON AK

77-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0600

17.5	33.8	33.8	34.0	34.3	34.6	34.6	34.6	34.6	34.8	35.1	35.1	35.1	35.1	35.9	36.1
18.3	35.3	35.3	35.6	35.9	36.1	36.1	36.1	36.1	36.4	36.6	36.6	36.6	36.6	37.4	37.7
18.3	36.4	36.4	36.6	36.9	37.2	37.2	37.2	37.2	37.4	37.7	37.7	37.7	37.7	38.5	38.7
18.6	37.7	37.7	38.0	38.2	38.5	38.5	38.5	38.5	38.7	39.0	39.0	39.0	39.0	39.8	40.1
18.8	38.2	38.2	38.5	38.7	39.0	39.0	39.0	39.0	39.3	39.5	39.5	39.5	39.5	40.3	40.6
18.8	38.7	38.7	39.0	39.3	39.5	39.5	39.5	39.5	39.8	40.1	40.1	40.1	40.1	40.8	41.1
19.4	41.6	41.6	41.9	42.1	42.4	42.4	42.4	42.4	42.7	42.9	42.9	42.9	42.9	43.7	44.0
19.6	42.7	42.7	42.9	43.2	43.5	43.5	43.5	43.5	43.7	44.0	44.0	44.0	44.0	44.8	45.0
21.2	48.7	48.7	49.0	49.2	49.5	49.5	49.5	49.7	49.7	50.0	50.3	50.3	50.3	51.0	51.3
23.3	55.2	55.2	55.5	55.8	56.0	56.0	56.3	56.3	56.5	56.8	56.8	56.8	56.8	57.6	57.9
27.2	62.6	62.6	62.8	63.1	63.4	63.4	63.6	63.6	63.9	64.1	64.1	64.1	64.1	64.9	65.2
33.0	72.3	72.3	72.5	72.8	73.0	73.0	73.3	73.3	73.6	73.8	73.8	73.8	73.8	74.9	75.1
36.1	77.7	77.7	78.0	78.3	78.5	78.5	78.8	78.8	79.1	79.3	79.3	79.3	79.3	80.4	80.6
36.6	82.2	82.2	82.5	83.0	83.2	83.2	83.5	83.5	83.8	84.0	84.0	84.0	84.0	85.1	85.3
37.7	83.5	83.5	84.0	84.6	84.8	84.8	85.1	85.1	85.3	85.6	85.6	85.6	85.6	86.6	86.9
38.0	84.8	84.8	85.3	85.9	86.1	86.4	86.6	86.6	86.9	87.2	87.2	87.2	87.2	88.2	88.5
38.0	85.1	85.1	85.6	86.1	86.4	86.6	86.9	86.9	87.2	87.4	87.4	87.4	87.4	88.5	88.7
38.5	86.1	86.4	87.2	87.7	88.0	88.5	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.3	90.6
38.5	86.1	86.4	87.2	87.7	88.0	88.5	88.7	88.7	89.0	89.3	89.3	89.3	89.3	90.3	90.6
38.7	86.9	87.2	88.0	88.5	88.7	89.3	89.5	89.5	89.8	90.1	90.1	90.1	90.1	91.1	91.4
38.7	87.2	87.4	88.2	88.7	89.0	89.8	90.1	90.1	90.3	90.6	90.6	90.6	90.6	91.6	91.9
38.7	87.4	87.7	88.5	89.3	89.5	90.3	90.6	90.6	91.1	91.4	91.4	91.4	91.4	92.4	92.7
38.7	87.4	87.7	88.5	89.3	89.5	90.6	90.8	90.8	91.4	91.6	91.6	91.6	91.6	92.7	92.9
38.7	87.4	87.7	88.7	89.5	89.8	90.8	91.4	91.4	91.9	92.1	92.1	92.1	92.1	93.2	93.5
38.7	88.0	88.2	89.3	90.1	90.3	91.4	92.1	92.1	92.7	92.9	92.9	92.9	92.9	94.0	94.2
38.7	88.0	88.2	89.3	90.1	90.3	91.4	92.1	92.1	92.7	92.9	92.9	92.9	92.9	94.0	94.2
38.7	88.0	88.2	89.3	90.1	90.3	92.1	93.2	93.2	93.7	94.0	94.0	94.0	94.0	95.0	95.3
38.7	88.0	88.2	89.3	90.1	90.3	92.1	93.2	93.2	93.7	94.2	94.2	94.2	94.2	95.3	95.8
38.7	88.0	88.2	89.3	90.1	90.3	92.1	93.2	93.2	94.2	94.8	94.8	94.8	94.8	96.1	97.1
38.7	88.0	88.2	89.3	90.1	90.3	92.4	93.5	93.5	94.5	95.0	95.0	95.0	95.0	96.6	97.6
38.7	88.2	88.5	89.5	90.8	91.1	93.5	94.5	94.5	96.3	96.9	96.9	97.1	97.1	98.7	100.0
38.7	88.2	88.5	89.5	90.8	91.1	93.5	94.5	94.5	96.3	96.9	96.9	97.1	97.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 382

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 0736 FT RICHARDSON AK

77-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

21.1	30.2	30.7	30.4	30.9	30.9	31.4	31.4	31.4	31.8	32.1	32.1	32.8	32.8	32.8	33.0
23.8	33.7	33.7	34.0	34.4	34.4	34.9	34.9	34.9	35.4	35.6	35.6	36.3	36.3	36.3	36.6
24.5	34.4	34.4	34.7	35.2	35.2	35.6	35.6	35.6	36.1	36.3	36.3	37.1	37.1	37.1	37.3
25.4	35.4	35.4	35.6	36.1	36.1	36.6	36.6	36.6	37.1	37.3	37.3	38.0	38.0	38.0	38.2
25.9	35.9	35.9	36.1	36.6	36.6	37.1	37.1	37.1	37.5	37.8	37.8	38.5	38.5	38.5	38.7
26.1	36.3	36.3	36.6	37.1	37.1	37.5	37.5	37.5	38.0	38.2	38.2	39.0	39.0	39.0	39.2
26.6	39.4	39.4	39.7	40.1	40.1	40.6	40.6	40.6	41.1	41.3	41.3	42.0	42.0	42.0	42.3
26.6	41.3	41.3	41.6	42.0	42.0	42.5	42.5	42.5	43.0	43.2	43.2	43.9	43.9	43.9	44.2
29.2	47.7	47.7	48.0	48.5	48.5	48.9	49.2	49.2	49.6	49.9	49.9	50.8	50.8	51.3	51.5
33.5	54.9	54.9	55.1	55.6	55.6	56.1	56.3	56.3	56.8	57.0	57.0	58.0	58.0	58.4	58.7
35.2	61.5	61.5	61.8	62.7	62.7	63.2	63.4	63.4	63.9	64.1	64.1	65.1	65.1	65.6	65.8
42.0	74.1	74.1	74.3	75.5	75.5	76.0	76.2	76.2	76.7	77.0	77.0	77.9	77.9	78.4	78.6
43.7	76.5	76.5	76.7	77.9	77.9	78.4	78.6	78.6	79.1	79.3	79.3	80.3	80.3	80.8	81.0
45.4	81.7	81.7	82.2	83.4	83.4	84.1	84.6	84.6	85.0	85.3	85.3	86.2	86.2	86.7	86.9
46.1	82.9	82.9	83.4	84.6	84.6	85.3	85.7	85.7	86.2	86.5	86.5	87.4	87.4	87.9	88.1
46.6	84.8	84.8	85.3	86.5	86.5	87.2	87.6	87.6	88.1	88.4	88.4	89.3	89.3	89.8	90.0
47.0	85.3	85.3	85.7	86.9	86.9	87.6	88.1	88.1	88.6	88.8	88.8	89.8	89.8	90.3	90.5
47.0	85.3	85.3	85.7	86.9	86.9	87.9	88.4	88.4	88.8	89.1	89.1	90.0	90.0	90.5	90.7
47.0	85.3	85.3	86.0	87.4	87.4	88.4	88.8	88.8	89.3	89.5	89.5	90.5	90.5	91.0	91.2
47.0	85.3	85.3	86.2	87.6	87.6	88.6	89.1	89.1	89.8	90.0	90.0	91.0	91.0	91.4	91.7
47.0	85.5	85.5	86.5	87.9	87.9	89.5	90.0	90.0	90.7	91.0	91.0	92.2	92.2	92.6	92.9
47.3	85.7	85.7	86.7	88.1	88.1	89.8	90.3	90.3	91.0	91.2	91.2	92.4	92.4	92.9	93.1
47.5	86.0	86.0	86.9	88.4	88.4	90.0	90.5	90.5	91.2	91.4	91.4	92.6	92.6	93.1	93.3
47.5	86.0	86.0	86.9	88.4	88.4	90.0	90.5	90.5	91.2	91.4	91.4	92.6	92.6	93.1	93.3
47.5	86.5	86.5	87.4	88.8	88.8	90.5	91.0	91.0	91.7	91.9	91.9	93.1	93.1	93.6	93.8
47.5	86.9	86.9	88.1	89.5	89.5	91.7	92.4	92.4	93.3	94.3	94.3	95.5	95.5	96.0	96.2
47.5	87.2	87.2	88.4	89.8	90.3	92.2	92.9	92.9	93.8	94.8	94.8	96.4	96.4	96.9	97.1
47.5	87.2	87.2	88.4	89.8	90.3	92.4	93.1	93.1	94.1	95.0	95.0	96.9	96.9	97.4	97.6
47.5	87.2	87.2	88.4	89.8	90.3	92.4	93.1	93.1	94.1	95.0	95.2	97.6	97.6	98.6	99.0
47.5	87.2	87.2	88.4	89.8	90.3	92.4	93.1	93.1	94.1	95.0	95.2	98.1	98.1	99.0	99.8
47.5	87.2	87.2	88.4	89.8	90.3	92.4	93.1	93.1	94.1	95.0	95.2	98.1	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 421



CLIMATE CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 1736 FT RICHARDSON AK

77-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

27.9	39.3	39.3	39.8	39.8	39.8	40.0	40.0	40.0	40.5	40.5	40.5	40.5	40.5	41.0	41.0
30.6	42.7	42.7	43.2	43.2	43.2	43.4	43.4	43.4	43.9	43.9	43.9	43.9	43.9	44.4	44.4
32.5	45.1	45.1	45.6	45.6	45.6	45.9	45.9	45.9	46.4	46.4	46.4	46.6	46.6	47.3	47.3
32.5	45.1	45.1	45.6	45.6	45.6	45.9	45.9	45.9	46.4	46.4	46.4	46.6	46.6	47.3	47.3
32.8	45.4	45.4	45.9	45.9	45.9	46.1	46.1	46.1	46.6	46.6	46.6	46.8	46.8	47.6	47.6
33.5	46.6	46.6	47.1	47.1	47.1	47.3	47.3	47.3	47.8	47.8	47.8	48.1	48.1	48.8	48.8
35.7	49.0	49.0	49.5	49.5	49.5	49.8	49.8	49.8	50.2	50.2	50.2	50.5	50.5	51.2	51.2
36.2	50.2	50.2	50.7	50.7	50.7	51.0	51.0	51.0	51.5	51.5	51.5	51.7	51.7	52.4	52.4
37.6	56.6	56.6	57.0	57.0	57.0	57.3	57.3	57.3	57.8	57.8	57.8	58.0	58.0	58.7	58.7
41.5	65.3	65.3	65.8	65.8	65.8	66.0	66.0	66.0	66.5	66.5	66.5	66.7	66.7	67.5	67.5
43.0	69.9	69.9	70.4	70.4	70.4	70.6	70.6	70.6	71.1	71.1	71.1	71.4	71.4	72.1	72.1
46.8	77.9	78.4	78.9	78.9	78.9	79.1	79.1	79.1	79.6	79.6	79.6	79.9	79.9	80.6	80.6
48.1	80.1	80.6	81.1	81.1	81.1	81.3	81.3	81.3	81.8	81.8	81.8	82.0	82.0	82.8	82.8
48.5	83.0	83.7	84.2	84.2	84.2	84.5	84.5	84.5	85.0	85.0	85.0	85.2	85.2	85.9	85.9
50.2	85.2	85.9	86.4	86.4	86.4	86.7	86.7	86.7	87.1	87.1	87.1	87.4	87.4	88.1	88.1
51.2	88.3	89.8	91.0	91.3	91.3	91.5	91.5	91.5	92.0	92.0	92.0	92.2	92.2	93.0	93.0
51.2	88.3	89.8	91.3	92.0	92.0	92.2	92.2	92.2	92.7	92.7	92.7	93.0	93.0	93.7	93.7
51.2	88.3	89.8	91.3	92.0	92.0	92.2	92.2	92.2	92.7	92.7	92.7	93.0	93.0	93.7	93.7
51.2	88.3	90.0	91.5	92.2	92.2	92.5	92.5	92.5	93.0	93.0	93.0	93.2	93.2	93.9	93.9
51.2	88.3	90.0	91.5	92.2	92.2	92.5	92.5	92.5	93.0	93.0	93.0	93.2	93.2	94.4	94.4
51.2	89.1	90.8	92.2	93.0	93.2	93.7	93.7	93.7	94.4	94.4	94.4	94.7	94.7	95.9	95.9
51.2	89.1	90.8	92.2	93.0	93.2	93.7	93.7	93.7	94.4	94.4	94.4	94.7	94.7	95.9	95.9
51.2	89.1	91.0	92.5	93.2	93.4	93.9	93.9	93.9	95.1	95.1	95.1	95.4	95.4	96.6	96.6
51.2	89.1	91.0	92.5	93.2	93.4	93.9	93.9	93.9	95.1	95.1	95.1	95.4	95.4	96.6	96.6
51.2	89.1	91.0	92.5	93.2	93.4	94.2	94.2	94.2	95.4	95.4	95.4	95.6	95.6	96.8	97.1
51.2	89.1	91.0	92.5	93.2	93.4	94.2	94.2	94.2	96.6	96.6	96.6	96.8	96.8	98.1	98.3
51.2	89.1	91.0	92.5	93.2	93.4	94.2	94.2	94.2	96.6	96.8	96.8	97.1	97.1	98.5	98.8
51.2	89.1	91.0	92.5	93.2	93.4	94.2	94.2	94.2	96.6	96.8	96.8	97.3	97.3	98.8	99.0
51.2	89.1	91.0	92.5	93.2	93.4	94.2	94.2	94.2	96.6	97.1	97.1	97.8	97.8	99.3	99.5
51.2	89.1	91.0	92.5	93.2	93.4	94.2	94.2	94.2	96.8	97.3	97.3	98.1	98.1	99.5	100.0
51.2	89.1	91.0	92.5	93.2	93.4	94.2	94.2	94.2	96.8	97.3	97.3	98.1	98.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 412

2  
GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1830-2000

25.3	40.3	40.9	40.9	41.2	41.5	41.5	41.5	41.5	41.8	41.8	41.8	42.0	42.0	42.6	42.9
26.7	42.3	42.9	42.9	43.2	43.5	43.5	43.5	43.5	43.8	43.8	43.8	44.0	44.0	44.6	44.9
28.4	44.9	45.5	45.5	45.7	46.0	46.0	46.0	46.0	46.3	46.3	46.3	46.6	46.6	47.2	47.4
28.4	44.9	45.5	45.5	45.7	46.0	46.0	46.0	46.0	46.3	46.3	46.3	46.6	46.6	47.2	47.4
28.4	44.9	45.5	45.5	45.7	46.0	46.0	46.0	46.0	46.3	46.3	46.3	46.6	46.6	47.2	47.4
28.7	46.9	47.4	47.4	47.7	48.0	48.0	48.0	48.0	48.3	48.3	48.3	48.6	48.6	49.1	49.4
30.4	49.4	50.0	50.0	50.3	50.6	50.6	50.6	50.6	50.9	50.9	50.9	51.1	51.1	51.7	52.0
30.4	50.0	50.6	50.6	50.9	51.1	51.1	51.1	51.1	51.4	51.4	51.4	51.7	51.7	52.3	52.6
33.0	57.1	57.7	57.7	58.0	58.2	58.2	58.2	58.2	58.5	58.5	58.5	58.8	58.8	59.4	59.7
37.2	66.2	66.7	66.8	67.0	67.3	67.3	67.3	67.3	67.6	67.6	67.6	67.9	67.9	68.5	68.8
37.8	68.8	69.3	69.3	69.6	69.9	69.9	69.9	69.9	70.2	70.2	70.2	70.5	70.5	71.0	71.3
40.9	76.1	77.3	77.3	77.6	77.8	77.8	77.8	77.8	78.1	78.1	78.1	78.4	78.4	79.0	79.3
41.5	78.7	80.1	80.1	80.4	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.3	81.3	81.8	82.1
44.0	82.7	84.1	84.1	84.4	84.7	84.7	84.7	84.7	84.9	84.9	84.9	85.2	85.2	85.8	86.1
45.2	84.1	85.5	85.5	85.8	86.1	86.1	86.1	86.1	86.4	86.4	86.4	86.6	86.6	87.2	87.5
45.7	85.8	87.5	87.8	88.4	88.6	88.6	88.6	88.6	88.9	88.9	88.9	89.2	89.2	89.8	90.1
46.3	86.4	88.1	88.4	88.9	89.2	89.2	89.2	89.2	89.5	89.5	89.5	89.8	89.8	90.3	90.6
46.3	86.6	88.4	89.2	89.8	90.1	90.6	90.6	90.6	90.9	90.9	90.9	91.2	91.2	91.8	92.0
46.3	86.9	88.6	89.5	90.1	90.3	90.9	90.9	90.9	91.2	91.2	91.2	91.5	91.5	92.0	92.3
46.3	87.2	89.2	90.1	90.6	90.9	92.3	92.3	92.3	92.9	92.9	92.9	93.2	93.2	93.8	94.0
46.3	87.2	89.2	90.1	90.6	90.9	92.3	92.3	92.3	92.9	92.9	92.9	93.2	93.2	93.8	94.0
46.3	88.1	90.1	90.9	91.5	91.8	93.5	93.5	93.5	94.0	94.0	94.0	94.3	94.3	94.9	95.2
46.3	88.1	90.1	90.9	91.5	91.8	93.5	93.5	93.5	94.0	94.0	94.0	94.3	94.3	94.9	95.2
46.3	88.1	90.3	91.2	91.8	92.0	93.8	94.6	94.6	95.2	95.5	95.5	95.7	95.7	96.3	96.6
46.3	88.1	90.3	91.2	91.8	92.0	93.8	94.6	94.6	95.2	95.5	95.5	95.7	95.7	96.3	96.6
46.3	88.1	90.3	91.2	91.8	92.0	93.8	94.6	94.6	95.2	95.7	96.0	96.3	96.3	96.9	97.2
46.3	88.1	90.9	91.8	92.3	92.6	94.3	95.2	95.2	96.6	97.2	97.4	97.7	97.7	98.3	98.6
46.3	88.1	91.5	92.3	92.9	93.2	94.9	95.7	95.7	97.2	97.7	98.0	98.3	98.3	98.9	99.1
46.3	88.1	91.8	92.6	93.2	93.5	95.2	96.0	96.0	97.4	98.0	98.3	98.6	98.6	99.1	99.4
46.3	88.1	91.8	92.6	93.2	93.5	95.2	96.0	96.0	97.4	98.0	98.3	98.6	98.6	99.1	99.7
46.3	88.1	91.8	92.6	93.5	93.8	95.5	96.3	96.3	97.7	98.3	98.6	98.9	98.9	99.4	100.0
46.3	88.1	91.8	92.6	93.5	93.8	95.5	96.3	96.3	97.7	98.3	98.6	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

352

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736

FT RICHARDSON AK

77-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

23.4	35.9	36.0	36.1	36.3	36.4	36.6	36.6	36.6	36.8	37.0	37.0	37.2	37.2	37.9	36.1
25.4	38.8	38.8	39.0	39.3	39.4	39.5	39.5	39.5	39.8	40.0	40.0	40.2	40.2	40.8	41.1
26.6	40.4	40.5	40.7	41.0	41.0	41.2	41.2	41.2	41.5	41.7	41.7	41.9	41.9	42.6	42.9
26.8	41.0	41.1	41.3	41.5	41.6	41.7	41.7	41.7	42.0	42.2	42.2	42.4	42.4	43.2	43.4
27.1	41.3	41.4	41.6	41.8	41.9	42.1	42.1	42.1	42.4	42.5	42.5	42.8	42.8	43.5	43.8
27.5	42.4	42.5	42.7	42.9	43.0	43.2	43.2	43.2	43.4	43.6	43.6	43.9	43.9	44.6	44.8
28.9	45.5	45.6	45.8	46.0	46.1	46.3	46.3	46.3	46.6	46.8	46.8	47.0	47.0	47.7	48.0
29.2	46.7	46.8	46.9	47.2	47.3	47.4	47.4	47.4	47.7	47.9	47.9	48.1	48.1	48.8	49.1
31.0	52.4	52.5	52.7	53.0	53.1	53.2	53.3	53.3	53.6	53.8	53.8	54.1	54.1	54.9	55.2
34.8	50.2	60.3	60.5	60.8	60.9	61.0	61.2	61.2	61.4	61.6	61.6	61.9	61.9	62.7	63.0
36.7	65.5	65.6	65.8	66.2	66.3	66.4	66.6	66.6	66.9	67.0	67.0	67.3	67.3	68.1	68.4
41.5	75.1	75.5	75.7	76.2	76.3	76.4	76.5	76.5	76.9	77.0	77.0	77.3	77.3	78.2	78.4
43.1	78.1	78.5	78.8	79.2	79.3	79.4	79.6	79.6	79.9	80.1	80.1	80.4	80.4	81.2	81.5
44.7	82.3	82.9	83.2	83.7	83.8	84.0	84.2	84.2	84.5	84.7	84.7	84.9	84.9	85.8	86.1
45.9	84.1	84.7	85.0	85.5	85.6	85.7	85.9	85.9	86.3	86.4	86.4	86.7	86.7	87.6	87.8
46.5	86.2	87.0	87.5	88.0	88.1	88.4	88.5	88.5	88.9	89.1	89.1	89.3	89.3	90.2	90.5
46.8	86.5	87.3	87.8	88.4	88.5	88.7	88.9	88.9	89.2	89.4	89.4	89.7	89.7	90.6	90.8
46.9	86.9	87.8	88.5	89.1	89.2	89.7	89.9	89.9	90.3	90.5	90.5	90.7	90.7	91.6	91.9
46.9	87.0	87.8	88.5	89.2	89.3	89.7	90.0	90.0	90.3	90.5	90.5	90.8	90.8	91.6	91.9
46.9	87.1	88.1	88.9	89.7	89.8	90.4	90.7	90.7	91.1	91.3	91.3	91.5	91.5	92.4	92.7
46.9	87.2	88.2	89.0	89.8	89.9	90.6	90.8	90.8	91.3	91.4	91.4	91.7	91.7	92.7	92.9
46.9	87.7	88.7	89.5	90.4	90.6	91.5	91.8	91.8	92.3	92.5	92.5	92.8	92.8	93.7	94.0
47.1	87.9	88.9	89.7	90.6	90.8	91.8	92.1	92.1	92.6	92.8	92.8	93.1	93.1	94.1	94.3
47.2	88.0	89.1	89.9	90.8	91.0	92.0	92.5	92.5	93.1	93.4	93.4	93.7	93.7	94.6	94.9
47.2	88.1	89.2	90.0	91.0	91.2	92.1	92.7	92.7	93.3	93.6	93.6	93.9	93.9	94.9	95.2
47.2	88.2	89.3	90.1	91.1	91.3	92.3	92.9	92.9	93.5	93.8	93.9	94.2	94.2	95.1	95.5
47.2	88.4	89.5	90.4	91.4	91.6	93.0	93.6	93.6	94.8	95.2	95.3	95.6	95.6	96.5	96.9
47.2	88.4	89.7	90.6	91.5	91.8	93.2	93.9	93.9	95.0	95.6	95.7	96.1	96.1	97.1	97.5
47.2	88.4	89.7	90.6	91.5	91.8	93.3	94.0	94.1	95.4	96.0	96.0	96.7	96.7	97.7	98.2
47.2	88.4	89.7	90.6	91.5	91.8	93.5	94.2	94.2	95.6	96.2	96.3	97.1	97.2	98.4	99.0
47.2	88.5	89.8	90.6	91.7	92.0	93.7	94.4	94.5	96.0	96.6	96.7	97.7	97.8	99.1	100.0
47.2	88.5	89.8	90.6	91.7	92.0	93.7	94.4	94.5	96.0	96.6	96.7	97.7	97.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2139



2

FEDERAL CLIMATOLOGY BRANCH  
OF AFETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 736 FT RICHARDSON AK

77-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

33.1	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
33.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
34.4	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
34.4	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
34.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
34.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
37.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
38.8	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
40.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
45.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
46.3	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
50.6	76.3	76.3	76.3	76.9	76.9	76.9	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
50.6	78.1	78.1	78.1	78.8	78.8	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
55.0	84.4	84.4	84.4	85.0	85.0	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
55.0	84.4	84.4	84.4	85.6	85.6	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
55.0	85.6	85.6	85.6	87.5	87.5	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
55.0	85.6	85.6	85.6	87.5	87.5	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
55.0	86.3	86.3	86.3	88.1	88.1	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
55.0	86.3	86.3	86.3	88.1	88.1	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
55.0	86.9	86.9	86.9	90.0	90.0	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
55.0	86.9	86.9	86.9	90.6	90.6	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
55.0	86.9	86.9	86.9	91.9	91.9	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
55.0	86.9	86.9	86.9	91.9	91.9	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
55.0	86.9	86.9	86.9	91.9	91.9	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
55.0	86.9	86.9	86.9	91.9	91.9	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
55.0	86.9	86.9	86.9	91.9	91.9	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
55.0	87.5	87.5	87.5	92.5	93.1	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
55.0	88.1	88.1	88.1	93.1	93.8	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
55.0	88.1	88.1	88.1	93.1	93.8	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
55.0	88.8	88.8	88.8	93.8	94.4	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
55.0	88.8	88.8	88.8	93.8	94.4	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
55.0	88.8	88.8	88.8	93.8	94.4	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
55.0	88.8	88.8	88.8	93.8	94.4	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
55.0	88.8	88.8	88.8	93.8	94.4	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6

TOTAL NUMBER OF OBSERVATIONS 160

GENERAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

7736 FT RICHARDSON AK

77-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

33.5	44.0	44.0	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.5	45.5	45.5	45.5
33.7	44.7	44.7	45.0	45.7	45.7	45.7	45.7	45.7	45.7	46.0	46.0	46.2	46.2	46.2	46.2
35.2	46.5	46.5	46.7	47.4	47.4	47.4	47.4	47.4	47.4	47.7	47.7	47.9	47.9	47.9	47.9
35.5	46.7	46.7	46.9	47.7	47.7	47.7	47.7	47.7	47.7	47.9	47.9	48.2	48.2	48.2	48.2
36.2	48.9	48.9	49.1	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.4	50.4	50.4	50.4
37.4	50.6	50.6	50.9	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8	52.1	52.1	52.1	52.1
38.1	52.6	52.6	52.8	53.5	53.5	53.5	53.5	53.5	53.5	53.8	53.8	54.0	54.0	54.0	54.0
39.1	54.8	54.8	55.0	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.2	56.2	56.2	56.2
43.3	63.8	63.8	64.1	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.3	65.5	65.5	65.5	65.5
44.3	68.0	68.0	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.7	69.7	69.7	69.7
47.4	74.8	74.8	75.1	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.5	76.5	76.5	76.5
48.4	75.8	75.8	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3	77.3	77.5	77.5	77.5	77.5
50.9	79.5	79.5	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9	81.2	81.2	81.4	81.4	81.4
51.8	80.7	80.7	80.9	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.6	82.6	82.9	82.9	82.9
51.8	82.6	82.6	82.9	84.8	84.8	84.8	84.8	84.8	85.1	85.3	85.3	85.6	85.6	85.6	85.6
51.8	83.1	83.1	83.4	85.3	85.3	85.3	85.3	85.3	85.6	85.8	85.8	86.1	86.1	86.1	86.1
52.1	84.1	84.6	85.1	87.0	87.0	87.0	87.0	87.0	87.3	87.5	87.5	87.8	87.8	87.8	87.8
52.1	84.4	84.8	85.3	87.3	87.3	87.3	87.3	87.3	87.5	87.8	87.8	88.0	88.0	88.0	88.0
52.1	85.6	86.1	86.6	89.2	89.7	90.5	90.5	90.5	91.0	91.2	91.2	91.4	91.4	91.4	91.4
52.1	85.6	86.1	86.6	89.2	89.7	90.7	91.0	91.0	91.4	91.7	91.7	91.9	91.9	91.9	91.9
52.1	85.6	86.1	86.6	89.7	90.2	91.2	91.4	91.4	91.9	92.2	92.2	92.4	92.4	92.4	92.4
52.1	85.6	86.1	86.6	89.7	90.2	91.2	91.4	91.4	91.9	92.2	92.2	92.4	92.4	92.4	92.4
52.1	86.1	86.6	87.0	90.2	90.7	91.7	91.9	92.2	92.9	93.2	93.2	93.4	93.4	93.9	93.9
52.1	86.3	86.8	87.3	90.7	91.2	92.2	92.4	92.7	93.4	93.9	93.9	94.1	94.1	94.6	94.6
52.1	86.3	86.8	87.3	90.7	91.2	92.7	93.2	93.4	94.9	95.4	95.4	95.8	95.8	96.3	96.3
52.1	87.0	87.8	88.3	91.7	92.2	93.6	94.4	94.6	96.6	97.1	97.1	97.6	97.6	98.0	98.0
52.1	87.8	88.5	89.0	92.4	92.9	94.4	95.1	95.6	97.6	98.0	98.0	98.5	98.5	99.3	99.5
52.1	87.8	88.5	89.0	92.4	92.9	94.4	95.1	95.6	98.0	98.5	98.5	99.0	99.0	99.8	100.0
52.1	87.8	88.5	89.0	92.4	92.9	94.4	95.1	95.6	98.0	98.5	98.5	99.0	99.0	99.8	100.0
52.1	87.8	88.5	89.0	92.4	92.9	94.4	95.1	95.6	98.0	98.5	98.5	99.0	99.0	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS. 409

2

FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-1736 FT RICHARDSON AK

77-67

EEF

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0930-1100

36.9	45.6	45.6	45.6	45.9	45.9	46.4	46.4	46.4	46.4	46.4	46.4	46.6	46.6	46.8	46.8
38.4	47.8	47.8	47.8	48.0	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.7	48.7	48.9	48.9
40.2	50.4	50.4	50.4	50.6	50.6	51.1	51.1	51.1	51.1	51.1	51.1	51.3	51.3	51.5	51.5
40.2	50.8	50.8	50.8	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.8	51.8	52.0	52.0
40.2	51.1	51.1	51.1	51.3	51.3	51.9	51.8	51.8	51.8	51.8	51.8	52.0	52.0	52.2	52.2
41.4	52.7	52.7	52.7	52.9	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.6	53.9	53.9
41.6	52.9	52.9	52.9	53.2	53.2	53.6	53.9	53.9	53.9	54.1	54.1	54.6	54.6	54.8	54.8
42.6	54.6	54.6	54.6	54.8	54.8	55.3	55.5	55.5	55.5	55.8	55.8	56.2	56.2	56.5	56.5
43.3	57.4	57.4	57.4	57.6	57.6	58.1	58.4	58.4	58.4	58.6	58.6	59.1	59.1	59.3	59.3
48.0	66.1	66.1	66.1	66.4	66.4	66.8	67.1	67.1	67.1	67.3	67.3	67.8	67.8	68.0	68.0
49.4	70.6	70.6	70.6	70.8	70.8	71.3	71.8	71.8	71.8	71.8	71.8	72.2	72.2	72.5	72.5
51.4	74.8	74.8	75.3	75.5	75.5	76.1	76.2	76.2	76.2	76.5	76.5	76.9	76.9	77.2	77.2
54.1	77.9	77.9	78.4	78.6	78.6	79.1	79.3	79.3	79.3	79.5	79.5	80.0	80.0	80.2	80.2
56.1	84.0	84.0	84.5	84.7	84.7	85.2	85.4	85.4	85.4	85.6	85.6	86.1	86.1	86.4	86.4
56.4	84.2	84.5	85.2	85.4	85.4	85.9	86.1	86.1	86.1	86.4	86.4	86.8	86.8	87.1	87.1
58.4	84.7	85.4	86.1	87.5	87.5	89.0	88.2	88.2	88.2	88.5	88.5	88.9	88.9	89.2	89.2
59.1	85.4	86.1	86.8	88.7	88.7	89.2	89.4	89.4	89.4	89.6	89.6	90.1	90.1	90.4	90.4
59.3	85.9	86.6	87.3	89.6	89.6	90.1	90.4	90.4	90.4	90.6	90.6	91.1	91.1	91.3	91.3
59.3	85.9	86.6	87.3	89.6	89.6	90.1	90.4	90.4	90.4	90.6	90.6	91.1	91.1	91.3	91.3
59.5	87.1	87.8	88.5	90.8	90.8	91.5	91.8	91.8	91.8	92.0	92.0	92.5	92.5	92.7	92.7
59.5	87.1	87.8	88.5	90.8	90.8	91.5	91.8	91.8	91.8	92.0	92.0	92.5	92.5	92.7	92.7
59.5	88.2	88.9	90.1	92.5	92.5	93.2	93.9	93.9	93.9	94.8	94.8	95.3	95.3	95.5	95.5
59.5	88.2	88.9	90.1	92.5	92.5	93.2	93.9	93.9	93.9	94.8	94.8	95.3	95.3	95.5	95.5
59.5	88.2	88.9	90.1	92.5	92.5	93.2	93.9	93.9	93.9	94.8	94.8	95.8	95.8	96.2	96.5
59.5	88.2	88.9	90.1	92.5	92.5	93.2	93.9	93.9	93.9	94.8	94.8	96.0	96.0	96.5	96.7
59.5	88.2	88.9	90.1	92.5	92.5	93.2	93.9	93.9	93.9	94.8	94.8	96.2	96.2	96.5	96.7
59.5	88.5	89.2	90.4	92.7	93.2	94.1	95.5	95.5	96.7	97.9	97.9	98.8	98.8	99.3	99.6
59.5	88.5	89.2	90.4	92.7	93.2	94.1	95.5	95.5	96.7	97.9	97.9	98.8	98.8	99.3	99.6
59.5	88.5	89.2	90.4	92.7	93.2	94.1	95.5	95.5	96.7	97.9	97.9	99.1	99.1	99.5	100.0
59.5	88.5	89.2	90.4	92.7	93.2	94.1	95.5	95.5	96.7	97.9	97.9	99.1	99.1	99.5	100.0
59.5	88.5	89.2	90.4	92.7	93.2	94.1	95.5	95.5	96.7	97.9	97.9	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

425

USAF ETAC ...

2  
GLOBAL CLIMATOLOGY BRANCH  
DAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7736 FT RICHARDSON AK

77-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

39.4	44.6	44.8	44.8	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.8	46.0	46.0	46.0
42.0	47.7	47.7	47.7	47.9	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.6	48.8	48.8	48.8
43.9	50.0	50.0	50.0	50.2	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.9	51.2	51.2	51.2
44.8	50.9	50.9	50.9	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.9	52.1	52.1	52.1
46.3	52.3	52.3	52.3	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.3	53.5	53.5	53.5
47.9	54.9	54.9	54.9	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.9	56.1	56.1	56.1
49.5	57.3	57.3	57.3	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.2	58.5	58.5	58.5
52.8	62.2	62.2	62.4	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.4	63.6	63.6	63.6
57.3	68.8	68.8	69.0	69.2	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.2	70.4	70.4	70.4
58.7	72.8	72.8	73.0	73.2	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.2	74.4	74.4	74.4
60.1	77.7	77.9	78.4	78.6	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.8	80.0	80.0	80.0
62.7	81.7	81.9	82.4	82.6	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.8	84.0	84.0	84.0
65.1	85.0	85.4	86.2	86.4	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.6	87.8	87.8	87.8
66.7	86.6	87.1	87.8	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.4	89.7	89.7	89.7
67.4	87.8	89.3	89.9	90.6	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	92.0	92.3	92.3	92.3
67.4	87.8	89.4	90.4	91.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.5	92.7	92.7	92.7
67.4	88.0	89.7	90.6	91.5	91.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.0	93.2	93.2	93.2
67.4	88.0	89.7	90.6	91.5	91.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.0	93.2	93.2	93.2
67.6	90.1	91.8	92.7	93.7	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.5	95.8	95.8	95.8
67.6	90.1	91.8	92.7	93.7	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.5	95.8	95.8	95.8
67.6	90.1	91.8	92.7	93.9	94.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.5	96.5	97.2	97.4
67.6	90.1	91.8	92.7	93.9	94.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.5	96.5	97.2	97.4
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.2	97.2	97.9	98.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.2	97.2	97.9	98.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.2	97.2	97.9	98.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.2	97.2	97.9	98.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.2	97.2	97.9	98.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.4	98.6
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.4	98.6
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.4	98.6
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.4	98.6
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.8	99.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.8	99.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.8	99.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.8	99.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.8	99.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.8	99.1
67.6	90.1	91.8	92.7	93.9	94.1	95.8	96.2	96.2	96.2	96.2	96.2	96.2	97.4	97.4	98.8	99.1

TOTAL NUMBER OF OBSERVATIONS 426





GENERAL CLIMATOLOGY BRANCH  
 WSAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

7-2736 FT RICHARDSON AK

77-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

36.4	45.2	45.2	45.3	45.5	45.5	45.7	45.7	45.7	45.7	45.8	45.8	46.0	46.0	46.1	46.1
38.0	47.1	47.2	47.2	47.5	47.5	47.6	47.6	47.6	47.6	47.8	47.8	48.1	48.1	48.2	48.2
39.5	49.0	49.1	49.2	49.4	49.4	49.6	49.6	49.6	49.6	49.7	49.7	50.0	50.1	50.1	50.1
39.6	49.5	49.6	49.6	49.9	49.9	50.0	50.0	50.0	50.0	50.2	50.2	50.5	50.5	50.6	50.6
40.2	50.2	50.3	50.3	50.6	50.6	50.8	50.8	50.8	50.8	50.9	50.9	51.2	51.3	51.3	51.3
41.4	52.3	52.4	52.4	52.7	52.7	52.8	52.8	52.8	52.8	53.0	53.0	53.3	53.3	53.4	53.4
43.4	54.7	54.8	54.8	55.1	55.1	55.2	55.3	55.3	55.3	55.5	55.5	55.8	55.9	55.9	55.9
44.8	57.0	57.1	57.1	57.4	57.4	57.5	57.6	57.6	57.6	57.8	57.8	58.1	58.2	58.2	58.2
47.0	60.5	60.6	60.7	61.0	61.0	61.1	61.1	61.1	61.1	61.4	61.4	61.7	61.7	61.8	61.8
51.3	67.8	67.9	68.0	68.3	68.3	68.5	68.5	68.5	68.5	68.7	68.7	69.1	69.1	69.2	69.2
52.4	71.5	71.7	71.7	72.1	72.1	72.3	72.4	72.4	72.4	72.6	72.6	72.9	73.0	73.0	73.0
55.1	77.1	77.4	77.7	78.2	78.2	78.4	78.5	78.5	78.5	78.7	78.7	79.0	79.1	79.1	79.1
56.5	79.4	79.7	80.0	80.4	80.4	80.6	80.7	80.7	80.7	81.0	81.0	81.3	81.3	81.4	81.4
59.7	84.4	84.8	85.1	85.6	85.6	85.9	86.0	86.0	86.0	86.3	86.3	86.6	86.6	86.7	86.7
60.7	85.8	86.2	86.6	87.2	87.2	87.5	87.6	87.6	87.6	87.9	87.9	88.2	88.2	88.3	88.3
61.2	87.1	87.8	88.3	89.4	89.4	89.7	89.8	89.8	89.8	90.1	90.1	90.4	90.5	90.5	90.5
61.3	87.5	88.3	88.8	90.0	90.0	90.3	90.4	90.4	90.4	90.7	90.7	91.0	91.1	91.1	91.1
61.4	87.9	88.8	89.4	90.7	90.7	90.9	91.1	91.1	91.1	91.4	91.4	91.7	91.8	91.8	91.8
61.4	87.9	88.8	89.4	90.7	90.7	91.0	91.1	91.1	91.2	91.4	91.4	91.8	91.8	91.9	91.9
61.5	89.0	89.9	90.5	92.0	92.1	92.7	92.9	92.9	93.0	93.3	93.3	93.6	93.7	93.7	93.7
61.5	89.1	90.0	90.7	92.3	92.4	93.1	93.5	93.5	93.5	93.8	93.8	94.2	94.2	94.3	94.3
61.5	89.4	90.3	91.1	93.0	93.1	93.9	94.4	94.4	94.5	94.8	94.8	95.2	95.2	95.3	95.3
61.5	89.4	90.3	91.1	93.1	93.2	94.1	94.5	94.6	94.6	95.1	95.1	95.5	95.6	95.6	95.6
61.5	89.4	90.3	91.1	93.1	93.2	94.1	94.6	94.6	94.7	95.3	95.3	95.7	95.7	95.8	95.8
61.5	89.5	90.4	91.2	93.2	93.5	94.3	94.9	95.0	95.2	95.8	95.8	96.2	96.2	96.4	96.4
61.5	89.6	90.5	91.2	93.3	93.6	94.5	95.0	95.1	95.4	96.0	96.1	96.5	96.5	96.7	96.8
61.5	89.6	90.5	91.2	93.3	93.6	94.6	95.3	95.4	96.2	96.8	96.9	97.5	97.6	97.8	98.0
61.5	89.8	90.8	91.5	93.6	93.9	94.8	95.6	95.7	96.6	97.3	97.3	98.0	98.1	98.4	98.7
61.5	90.0	90.9	91.7	93.8	94.1	95.0	95.8	95.9	96.9	97.6	97.7	98.4	98.5	98.8	99.6
61.5	90.0	91.0	91.7	93.8	94.1	95.1	95.8	96.0	97.1	97.8	97.8	98.7	98.7	99.0	99.9
61.5	90.0	91.0	91.7	93.8	94.1	95.1	95.8	96.0	97.1	97.8	97.8	98.7	98.7	99.0	100.0
61.5	90.0	91.0	91.7	93.8	94.1	95.1	95.8	96.0	97.1	97.8	97.8	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2185

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

736 FT RICHARDSON AK

77-82

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

27.2	38.6	38.6	38.6	38.6	38.6	33.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	39.5	39.5
27.2	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	40.4	40.4
28.1	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	41.7	41.7
28.1	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	42.1	42.1
28.9	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	43.0	43.0
29.4	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	43.9	43.9
29.4	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	46.9	46.9
29.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.4	47.4
31.1	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	51.8	51.8
36.8	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	59.6	59.6
39.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.9	64.9
43.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	73.2	73.2
47.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.6	77.6
50.9	84.6	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.4	86.4
52.2	86.8	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.6	88.6
52.6	88.2	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.9	89.9
53.5	89.5	89.9	90.4	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7
53.9	90.8	91.2	91.7	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	93.0	93.0
53.9	90.8	91.2	91.7	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	93.0	93.0
54.8	92.5	93.4	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.6	95.6
54.8	92.5	93.4	94.7	94.7	94.7	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.5	96.5
54.8	93.9	94.7	96.1	96.1	96.1	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.2	98.2
54.8	93.9	94.7	96.1	96.1	96.1	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.2	98.2
54.8	94.3	95.6	96.9	96.9	96.9	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.1	99.1
54.8	94.3	95.6	96.9	96.9	96.9	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.1	99.1
54.8	94.7	96.1	97.4	97.4	97.4	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.6	99.6
54.8	95.2	96.5	97.8	97.8	97.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0
54.8	95.2	96.5	97.8	97.8	97.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0
54.8	95.2	96.5	97.8	97.8	97.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0
54.8	95.2	96.5	97.8	97.8	97.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 228



2

FEDERAL CLIMATOLOGY BRANCH  
WAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7736 FT RICHARDSON AK

77-80

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

06J0-0800

24.4	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.1	37.1
25.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.1	38.1
26.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.2	40.2
26.3	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	40.8	40.8
27.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.5	41.5
27.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.5	42.5
28.7	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7
29.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7
31.2	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.5	52.5
34.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.7	57.7
37.9	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	62.5	62.5
43.5	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9
46.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.3	77.3
48.8	82.9	82.9	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	84.2	84.2
50.7	85.8	85.8	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	87.3	87.3
51.3	88.5	88.5	88.8	89.8	89.8	89.8	89.8	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.8	90.8
51.3	90.0	90.0	90.6	91.7	91.7	91.7	91.7	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.7	92.7
51.3	90.4	90.8	91.5	92.9	92.9	93.1	93.1	93.1	93.1	93.5	93.5	93.5	93.5	93.7	94.2	94.2
51.3	90.4	90.8	91.5	92.9	92.9	93.1	93.1	93.1	93.1	93.5	93.5	93.5	93.5	93.7	94.2	94.2
51.3	91.0	91.5	92.9	94.4	94.8	95.0	95.2	95.2	95.2	96.3	96.7	96.7	96.9	96.9	97.5	97.5
51.3	91.0	91.5	92.9	94.8	95.2	95.4	95.6	95.6	95.6	96.7	97.1	97.1	97.3	97.3	97.9	97.9
51.3	91.2	91.9	93.3	95.4	95.8	96.0	96.2	96.2	96.2	97.3	97.7	97.7	97.9	97.9	98.5	98.5
51.3	91.2	91.9	93.3	95.4	95.8	96.0	96.2	96.2	96.2	97.3	97.7	97.7	97.9	97.9	98.5	98.5
51.3	91.2	91.9	93.3	95.4	95.8	96.0	96.2	96.2	96.2	97.5	97.9	97.9	98.1	98.1	98.7	98.7
51.3	91.2	91.9	93.3	95.4	95.8	96.0	96.2	96.2	96.2	97.5	97.9	97.9	98.1	98.1	98.7	98.7
51.3	91.3	92.1	93.5	95.6	96.0	96.3	96.7	96.7	96.7	98.1	98.5	98.5	98.7	98.7	99.2	99.4
51.3	91.9	92.7	94.0	96.2	96.5	96.9	97.3	97.3	97.3	98.7	99.0	99.0	99.2	99.2	99.8	100.0
51.3	91.9	92.7	94.0	96.2	96.5	96.9	97.3	97.3	97.3	98.7	99.0	99.0	99.2	99.2	99.8	100.0
51.3	91.9	92.7	94.0	96.2	96.5	96.9	97.3	97.3	97.3	98.7	99.0	99.0	99.2	99.2	99.8	100.0
51.3	91.9	92.7	94.0	96.2	96.5	96.9	97.3	97.3	97.3	98.7	99.0	99.0	99.2	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 520

DATA ARE FROM THE AIR WEATHER SERVICE/MAC AT FT RICHARDSON, AK. DATA ARE INCOMPLETE

2  
\*  
1  
METEOROLOGICAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

736 FT RICHARDSON AK

77-87

MAF

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

27.8	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
31.6	43.0	43.0	43.0	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
32.3	45.6	45.6	45.6	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
32.7	46.6	46.6	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
32.7	47.1	47.1	47.1	47.1	47.1	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
33.3	48.1	48.1	48.1	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
35.6	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
35.7	54.0	54.0	54.0	54.0	54.0	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
37.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
41.4	63.7	63.7	63.7	63.7	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
43.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
48.1	75.5	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
51.0	78.7	78.9	78.9	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
53.2	83.8	84.2	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
54.7	86.9	87.1	87.1	87.1	87.1	87.6	87.8	88.0	88.0	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
55.7	88.8	89.5	89.9	89.9	89.9	90.3	90.5	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
56.8	90.3	91.4	91.8	92.8	93.3	93.5	93.5	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
56.8	91.1	92.2	93.0	93.9	94.5	94.7	94.7	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
56.8	91.1	92.2	93.0	93.9	94.5	94.7	94.7	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
56.8	91.1	92.2	93.3	94.5	95.4	95.8	95.8	95.8	95.8	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
56.8	91.1	92.2	93.3	94.5	95.4	95.8	95.8	95.8	95.8	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
56.8	91.1	92.2	93.3	94.7	95.6	96.4	96.4	96.4	96.4	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
56.8	91.1	92.2	93.3	94.7	95.6	96.4	96.4	96.4	96.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
56.8	91.1	92.2	93.3	94.7	95.6	96.6	96.6	96.6	96.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
56.8	91.1	92.2	93.3	94.7	95.6	96.6	96.6	96.6	96.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
56.8	91.1	92.2	93.3	94.7	95.6	96.6	96.6	96.6	96.6	98.7	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
56.8	91.1	92.4	93.5	94.9	95.8	97.0	97.0	97.0	97.0	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
56.8	91.1	92.4	93.5	94.9	95.8	97.0	97.0	97.0	97.0	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
56.8	91.1	92.4	93.5	94.9	95.8	97.0	97.0	97.0	97.0	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
56.8	91.1	92.4	93.5	94.9	95.8	97.0	97.0	97.0	97.0	99.0	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 526

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

7 736 FT RICHARDSON AK

77-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

30.3	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
33.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
36.6	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	46.0
37.6	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	47.3
38.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
39.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
42.7	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	57.4	57.4	57.4
42.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
45.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
49.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
51.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
56.9	81.1	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
58.2	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
59.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
61.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
62.2	91.4	92.0	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
62.2	92.4	92.9	93.3	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
62.4	92.6	93.1	93.5	94.1	94.5	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
62.4	92.6	93.1	93.5	94.1	94.5	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
62.4	92.6	93.5	94.1	95.0	95.4	95.4	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
62.4	92.6	93.5	94.1	95.0	95.4	95.6	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
62.4	92.6	93.5	94.1	95.2	95.6	95.8	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
62.4	92.6	93.9	94.5	95.6	96.0	96.4	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
62.4	92.6	93.9	94.5	95.6	96.0	96.6	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
62.4	92.6	93.9	94.5	95.6	96.0	96.6	97.5	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
62.4	92.6	93.9	94.5	95.6	96.2	96.8	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
62.4	92.6	93.9	94.5	95.6	96.4	96.9	97.9	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
62.4	92.6	93.9	94.5	95.6	96.4	96.9	97.9	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
62.4	92.6	93.9	94.5	95.6	96.4	96.9	97.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
62.4	92.6	93.9	94.5	95.6	96.4	96.9	97.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
62.4	92.6	93.9	94.5	95.6	96.4	96.9	97.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
62.4	92.6	93.9	94.5	95.6	96.4	96.9	97.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 524

# CEILING VERSUS VISIBILITY

7-736 FT RICHARDSON AK

77-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

30.7	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
33.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
37.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
37.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
38.5	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
41.2	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
44.6	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	57.0	57.0
44.9	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
47.7	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
51.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
54.9	72.0	72.0	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
62.6	83.1	83.1	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
64.8	86.2	86.2	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
67.1	89.7	89.7	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
67.9	92.0	92.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
60.5	92.6	93.0	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
68.9	93.6	94.0	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
69.1	94.6	94.9	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
69.1	94.7	95.1	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
69.1	94.7	95.1	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
69.1	94.9	95.3	96.1	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1
69.1	94.9	95.3	96.1	97.5	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
69.1	94.9	95.3	96.1	97.5	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
69.1	94.9	95.3	96.1	97.5	97.9	97.9	97.9	98.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0
69.1	94.9	95.3	96.1	97.5	97.9	97.9	98.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0
69.1	94.9	95.3	96.1	97.5	98.1	98.1	98.2	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
69.1	95.1	95.5	96.3	97.7	98.2	98.2	98.4	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
69.1	95.1	95.5	96.3	97.7	98.2	98.2	98.4	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
69.1	95.1	95.5	96.3	97.7	98.2	98.2	98.4	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
69.1	95.1	95.5	96.3	97.7	98.2	98.2	98.4	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
69.1	95.1	95.5	96.3	97.7	98.2	98.2	98.4	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
69.1	95.1	95.5	96.3	97.7	98.2	98.2	98.4	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
69.1	95.1	95.5	96.3	97.7	98.2	98.2	98.4	98.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 514

2  
1  
JUN 736 FT RICHARDSON AK  
CENTRAL CLIMATOLOGY BRANCH  
WAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

77-80

MAP

1800-2000

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

26.3	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
28.5	41.0	41.1	41.0	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
31.6	45.7	45.7	45.7	45.9	45.9	45.9	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
32.2	46.4	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
32.2	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
34.1	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
37.8	53.8	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
38.5	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
42.4	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
46.9	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
49.7	71.7	71.7	71.7	72.1	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
55.3	80.2	80.5	80.5	80.9	80.9	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
57.6	83.4	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
59.9	86.1	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
60.3	87.7	88.4	88.4	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
61.1	91.3	91.9	91.9	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
61.1	91.5	92.1	92.1	93.1	93.1	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
61.1	92.1	92.9	92.9	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
61.1	92.7	93.6	93.6	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
61.1	92.9	93.8	93.8	95.4	95.4	95.4	95.4	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
61.1	93.3	94.2	94.2	95.8	95.8	95.8	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
61.1	93.3	94.8	94.8	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
61.1	93.3	94.8	94.8	96.7	96.7	96.7	96.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
61.1	93.3	94.8	94.8	97.3	97.3	97.3	97.5	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
61.1	93.3	94.8	94.8	97.3	97.3	97.3	97.5	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
61.1	93.3	94.8	95.0	97.5	97.5	97.5	97.7	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
61.1	93.3	94.8	95.0	97.5	97.5	97.5	97.7	97.7	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4
61.1	93.3	94.8	95.2	97.7	97.7	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6
61.1	93.3	94.8	95.2	97.7	97.7	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6
61.1	93.3	94.8	95.2	97.7	97.7	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6
61.1	93.3	94.8	95.2	97.7	97.7	97.7	97.9	97.9	99.0	99.6	99.6	99.8	99.8	99.8	99.8	99.8
61.1	93.3	94.8	95.2	97.7	97.7	97.7	97.9	97.9	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 481

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12736 FT RICHARDSON AK

77-82

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

28.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
30.1	40.6	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.9	40.9
32.4	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4
32.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3
33.4	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1
34.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9
37.2	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1
37.5	53.6	53.6	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	53.8	53.8	53.8
40.0	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2
43.9	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7
46.7	68.5	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9
52.5	77.9	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5
54.9	81.1	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8
57.1	85.5	85.8	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6
58.3	88.2	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4
59.2	90.3	90.4	91.2	91.7	91.8	91.8	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2
59.5	91.4	91.9	92.3	93.1	93.2	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7
59.6	92.0	92.7	93.2	94.1	94.3	94.4	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.9	94.9	94.9
59.6	92.2	92.8	93.3	94.2	94.4	94.5	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.9	95.1	95.1	95.1
59.7	92.4	93.2	94.0	95.1	95.5	95.6	95.7	95.7	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7
59.7	92.6	93.3	94.2	95.3	95.7	95.8	96.1	96.1	96.1	96.7	96.8	96.8	96.8	96.8	96.9	97.1	97.1	97.1
59.7	92.7	93.6	94.5	95.9	96.3	96.5	96.8	96.8	96.8	97.5	97.6	97.6	97.6	97.6	97.7	97.9	97.9	97.9
59.7	92.7	93.7	94.5	96.0	96.3	96.7	96.9	96.9	96.9	97.6	97.7	97.8	97.8	97.8	97.9	98.0	98.0	98.0
59.7	92.7	93.7	94.5	96.1	96.5	96.8	97.1	97.1	97.1	98.1	98.2	98.2	98.2	98.2	98.3	98.5	98.5	98.5
59.7	92.7	93.8	94.6	96.1	96.5	97.0	97.3	97.3	97.3	98.4	98.5	98.6	98.6	98.6	98.7	98.9	98.9	98.9
59.7	92.7	93.8	94.6	96.2	96.6	97.1	97.4	97.4	97.4	98.5	98.6	98.7	98.8	98.8	98.8	99.0	99.0	99.0
59.7	92.8	93.9	94.7	96.3	96.8	97.2	97.6	97.6	97.6	98.7	98.9	99.0	99.2	99.2	99.2	99.5	99.5	99.5
59.7	93.0	94.1	94.9	96.5	97.0	97.4	97.8	97.8	97.8	98.9	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7
59.7	93.0	94.1	95.0	96.5	97.0	97.5	97.8	97.8	97.8	99.1	99.3	99.4	99.6	99.6	99.6	99.9	99.9	99.9
59.7	93.0	94.1	95.0	96.5	97.0	97.5	97.8	97.8	97.8	99.1	99.3	99.4	99.6	99.6	99.6	99.9	99.9	99.9
59.7	93.0	94.1	95.0	96.5	97.0	97.5	97.8	97.8	97.8	99.1	99.3	99.4	99.6	99.6	99.6	99.9	99.9	99.9
59.7	93.0	94.1	95.0	96.5	97.0	97.5	97.8	97.8	97.8	99.1	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2793

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

736 FT RICHARDSON AK

77-82

APF

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

23.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
23.2	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	38.2	38.2
24.0	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	39.1
24.0	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	39.1
24.5	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	39.5	39.5
26.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
34.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
35.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
40.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
44.6	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	67.4
46.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
51.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
52.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
57.9	86.3	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
58.4	88.4	88.8	89.3	89.7	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
59.7	90.1	91.0	91.4	91.8	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
60.1	91.0	91.8	92.7	93.1	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
60.5	91.4	92.7	93.6	94.0	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
60.5	91.4	92.7	93.6	94.4	94.8	95.3	95.3	95.3	95.7	95.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1
60.5	91.4	93.1	94.0	95.3	95.7	96.1	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
60.5	91.4	93.1	94.0	95.3	95.7	96.1	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
60.5	91.8	93.6	94.4	95.7	96.1	96.6	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
60.5	91.8	93.6	94.4	95.7	96.1	96.6	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
60.5	91.8	93.6	94.8	96.1	96.6	97.0	97.4	97.4	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
60.5	91.8	93.6	95.7	97.0	97.4	98.3	98.7	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.5	91.8	93.6	95.7	97.0	97.4	98.3	98.7	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.5	91.8	93.6	95.7	97.0	97.4	98.3	98.7	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.5	91.8	93.6	95.7	97.0	97.4	98.3	98.7	98.7	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 233

USAF ETAC 77-82 45-21-A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2  
1

736 FT RICHARDSON AK

77-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

29.0	41.4	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
32.9	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
35.1	50.0	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
35.1	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
35.3	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
37.1	52.2	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
41.6	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
43.1	63.1	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
46.3	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
49.2	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
51.4	72.9	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
55.9	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
58.2	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
61.4	85.3	85.7	85.7	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
63.5	88.6	89.0	89.0	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
64.1	90.4	91.0	91.0	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
64.5	90.8	91.4	91.6	92.9	92.9	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
64.9	91.6	92.2	92.7	94.1	94.1	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
64.9	91.6	92.2	92.7	94.1	94.1	94.5	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
64.9	91.6	92.4	92.9	94.3	94.3	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
65.1	91.8	92.9	93.5	94.9	94.9	95.3	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
65.1	91.8	93.9	94.5	95.9	95.9	96.3	96.5	96.7	96.9	97.1	97.1	97.3	97.3	97.3	97.3
65.1	92.0	94.1	94.7	96.1	96.1	96.5	96.7	96.9	97.1	97.3	97.3	97.6	97.6	97.6	97.6
65.1	92.0	94.1	94.7	96.1	96.1	96.5	96.7	96.9	97.1	97.3	97.3	97.6	97.6	97.6	97.6
65.1	92.0	94.1	94.7	96.1	96.1	96.5	96.7	96.9	97.1	97.6	98.0	98.2	98.2	98.2	98.2
65.3	92.2	94.3	95.1	96.9	96.9	97.3	97.6	97.8	98.0	98.4	98.8	99.2	99.0	99.0	99.0
65.3	92.2	94.5	95.3	97.3	97.3	97.8	98.0	98.2	98.4	98.8	99.2	99.4	99.4	99.4	99.4
65.3	92.2	94.5	95.3	97.6	97.6	98.0	98.4	98.6	98.8	99.4	99.8	100.0	100.0	100.0	100.0
65.3	92.2	94.5	95.3	97.6	97.6	98.0	98.4	98.6	98.8	99.4	99.8	100.0	100.0	100.0	100.0
65.3	92.2	94.5	95.3	97.6	97.6	98.0	98.4	98.6	98.8	99.4	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 990



2 FEDERAL CLIMATOLOGY BRANCH  
 SAFETYAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

736 FT RICHARDSON AK

77-87

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

32.5	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
36.9	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	49.4	49.4
39.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
39.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
39.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
42.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
45.4	60.9	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
47.2	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
50.4	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
53.8	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
55.8	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
61.1	83.1	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
62.3	84.9	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
64.7	87.9	89.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
67.1	90.7	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
67.5	91.7	92.1	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
68.5	92.7	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
69.2	93.5	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
69.2	93.8	94.4	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
69.4	94.4	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.6	96.6	96.6
69.8	95.0	96.1	96.0	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.6	97.6	97.6	97.6
69.8	95.6	96.6	96.8	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.6	98.6	98.6	98.6
69.8	95.6	96.6	96.8	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.6	98.6	98.6	98.6
69.8	95.6	96.6	96.8	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.6	98.6	98.6	98.6
69.8	95.6	96.6	96.8	98.6	98.6	98.6	98.6	98.6	98.8	99.0	99.2	99.6	99.6	99.6	99.6
69.8	95.6	96.6	96.8	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0
69.8	95.6	96.6	96.8	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0
69.8	95.6	96.6	96.8	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0
69.8	95.6	96.6	96.8	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0
69.8	95.6	96.6	96.8	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 496

SAFETYAC





GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

736

FT RICHARDSON AK

77-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1900-2000

32.3	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	42.4
37.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
39.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
40.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
40.2	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	52.3	52.3	52.3	52.3
41.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
50.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
54.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
57.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
62.9	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
65.1	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
66.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
68.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
72.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
73.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
73.2	92.1	92.5	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
74.3	93.4	94.1	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
74.3	93.8	94.5	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
74.3	93.8	94.5	95.2	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
74.3	93.8	94.5	95.2	95.6	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
74.3	93.8	94.5	95.2	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
74.3	93.8	94.5	95.2	95.8	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
74.3	93.8	94.5	95.2	95.8	96.3	97.1	97.1	97.1	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	97.6	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	97.6	97.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	98.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	98.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	98.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	98.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
74.3	93.8	94.5	95.2	95.8	96.5	97.6	97.6	98.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 455

GLOBAL CLIMATOLOGY BRANCH AFETAC AIR WEATHER SERVICE/MAC

2

OFFICIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

77-736 FT. RICHARDSON AK

77-87

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

39.6	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
39.0	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	46.2	46.2	46.2	46.2	46.2	46.2
37.6	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
37.7	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
38.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
40.1	52.5	52.5	52.5	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	52.7	52.7	52.7
45.8	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	60.8	60.8	60.8
47.8	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
50.9	68.2	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	68.4	68.4
55.3	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
57.8	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
62.7	82.9	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
64.2	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
67.3	88.7	88.8	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
68.8	91.0	91.7	91.2	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
69.4	92.1	92.6	92.7	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
70.3	93.2	93.7	93.9	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
70.8	93.9	94.5	94.8	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
70.8	94.1	94.6	94.9	95.7	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
70.9	94.3	95.0	95.3	96.2	96.4	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
71.0	94.4	95.3	95.7	96.7	96.9	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
71.0	94.5	95.6	96.0	97.0	97.3	97.7	97.7	97.7	97.7	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
71.0	94.6	95.6	96.1	97.1	97.3	97.7	97.7	97.7	97.8	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
71.0	94.6	95.7	96.1	97.1	97.4	97.8	97.9	97.9	97.9	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
71.0	94.6	95.7	96.1	97.1	97.4	97.9	98.0	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
71.0	94.6	95.7	96.2	97.3	97.6	98.1	98.2	98.3	98.6	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
71.1	94.7	95.7	96.3	97.6	97.9	98.5	98.5	98.6	99.2	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
71.1	94.7	95.8	96.4	97.7	98.0	98.5	98.6	98.7	99.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
71.1	94.7	95.8	96.4	97.7	98.0	98.6	98.7	98.8	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.1	94.7	95.8	96.4	97.7	98.0	98.6	98.7	98.8	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.1	94.7	95.8	96.4	97.7	98.0	98.6	98.7	98.8	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2657

USAF ETAC 77-736 FT. RICHARDSON AK 77-87 APR 77





FEDERAL BUREAU OF SURVEY  
CLIMATE DIVISION  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

736 FT RICHARDSON AK

77-87

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

22.3	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	
29.9	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
31.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
33.5	39.3	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
33.9	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	40.2	40.2	40.2	40.2
36.7	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	44.0	44.0	44.0	44.0
41.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
43.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
50.2	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
56.0	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
60.0	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
66.7	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
69.3	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
70.7	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
71.5	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
72.5	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
72.5	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
72.5	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
72.5	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
73.1	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
73.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
73.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
73.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
73.1	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	98.6	98.6	98.6	98.6	98.6
73.1	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	98.6	98.6	98.6	98.6	98.6
73.1	98.4	99.0	99.2	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	99.6	99.6
73.1	98.4	99.0	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	99.8	99.8
73.1	98.4	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	98.4	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	98.4	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	98.4	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	98.4	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	98.4	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 498



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7736 FT RICHARDSON AK

77-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

17.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
23.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
24.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
25.5	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
26.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
30.7	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
38.8	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	48.8	48.8	48.8	48.8	48.8
43.0	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	53.6	53.6	53.6	53.6	53.6	53.6
48.6	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	63.1	63.1	63.1
53.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
55.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
63.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
66.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
69.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
71.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
72.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
72.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
73.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
73.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
73.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
73.1	99.2	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	99.6	99.6	99.6
73.1	99.2	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	99.6	99.6	99.6
73.1	99.2	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	99.6	99.6	99.6
73.1	99.2	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	99.6	99.6	99.6
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 498

GLOBAL CLIMATOLOGY BRANCH, FT. RICHARDSON, ALASKA. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

17.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
23.0	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
24.5	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	29.8
24.9	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
26.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
32.1	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	39.1	39.1
39.5	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	50.4
44.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
50.2	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	64.8	64.8	64.8
57.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
58.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
64.6	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
67.9	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	89.5	89.5
72.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
73.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
73.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
73.7	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	98.1	98.1
73.7	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	98.1	98.1
73.7	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	98.1	98.1
73.7	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	98.6	98.6
73.7	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	99.4	99.4
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 486

USA FETAC 77-82 MAY 1500-1700 FT RICHARDSON AK

### CEILING VERSUS VISIBILITY

72736 FT RICHARDSON AK 77-82 MAY 1800-2000

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

21.2	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
27.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
29.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
29.7	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
30.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
37.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
42.2	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
45.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
53.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
58.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
59.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
65.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
68.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
71.2	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
71.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
71.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
71.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
71.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
71.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
71.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
71.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 462

GENERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

7736 FT RICHARDSON AK

77-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

22.0	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
27.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
29.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
30.3	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
30.9	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
35.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
41.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
44.4	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
50.6	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
56.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
59.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
65.0	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
67.6	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
70.2	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
71.4	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
71.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
71.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
72.0	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
72.0	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
72.3	97.9	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
72.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
72.4	98.6	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
72.4	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
72.4	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
72.5	98.9	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
72.5	98.9	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
72.5	98.9	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
72.5	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
72.5	99.0	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
72.5	99.0	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
72.5	99.0	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
72.5	99.0	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2718

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR LEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7736 FT RICHARDSON AK

77-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
25.1	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
25.4	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
26.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
26.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
30.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
35.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
38.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
44.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
53.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
55.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
70.2	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
71.5	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
75.6	89.2	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
76.6	91.2	91.9	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
78.3	93.2	93.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
79.7	94.6	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
79.7	94.6	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
79.7	94.6	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
80.0	95.6	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
80.0	95.6	96.6	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
80.0	95.6	96.6	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
80.0	95.9	96.9	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
80.0	95.9	96.9	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
80.0	96.6	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
80.0	96.6	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
80.0	96.6	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
80.0	96.9	98.0	98.6	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
80.0	97.3	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.0	97.3	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.0	97.3	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.0	97.3	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 295

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AD WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7736 FT RICHARDSON AK

77-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

24.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
28.3	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
28.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
29.5	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
29.7	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
33.6	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
41.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
44.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
52.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
60.4	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
63.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
69.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
72.2	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
75.3	89.5	89.9	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
77.5	92.0	92.6	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
78.4	93.6	94.2	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
80.0	95.1	95.7	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
80.6	95.7	96.3	96.7	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
80.6	95.7	96.5	96.9	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
81.2	96.3	97.1	97.5	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
81.2	96.3	97.1	97.5	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
81.2	96.5	97.7	98.1	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
81.2	96.7	97.9	98.3	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
81.2	96.9	98.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
81.2	96.9	98.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
81.2	96.9	98.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
81.2	96.9	98.1	98.6	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
81.2	96.9	98.1	98.6	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
81.2	96.9	98.3	98.8	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
81.2	96.9	98.3	98.8	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
81.2	96.9	98.3	98.8	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
81.2	96.9	98.3	98.8	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 515



FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE/HAC

# CEILING VERSUS VISIBILITY

2

STATION NO. 7731 FT. RICHARDSON AK

77-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

23.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
27.3	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
28.3	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	30.4	30.4
29.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
28.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
32.4	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	34.5
40.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
44.2	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	47.1
52.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
57.9	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
59.7	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	68.6
66.5	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
67.6	81.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
72.1	88.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
74.8	92.6	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
75.8	94.6	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
76.4	95.2	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
76.4	95.7	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
76.6	96.1	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
76.6	96.9	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
77.1	97.5	98.8	98.8	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
77.1	97.5	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	99.8	99.8
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.1	97.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 516



FEDERAL CLIMATOLOGY BRANCH  
WPAFB ETAC  
AIR WEATHER SERVICE/MAG

2

# CEILING VERSUS VISIBILITY

0736 FT RICHARDSON AK

77-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

20.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
24.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
25.0	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
25.2	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
25.4	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
29.5	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
39.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
43.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
53.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
57.9	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	66.9	66.9
60.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
69.3	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
71.1	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
75.2	94.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
75.8	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
76.2	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
76.8	98.6	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	99.2
77.0	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	99.8
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 508

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

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

7 736 FT RICHARDSON AK

77-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

20.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
22.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
25.0	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
25.0	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
25.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
28.0	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
37.2	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
39.8	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
52.0	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
59.1	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
62.6	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
72.2	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
74.8	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
75.8	94.7	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
76.6	96.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
76.6	96.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
77.0	97.2	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	98.6	98.6	98.6
77.4	97.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
77.4	97.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
77.6	97.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
77.6	97.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
77.6	97.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
77.6	97.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	98.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 492

2

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

736 FT RICHARDSON AK

77-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

22.4	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
26.1	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
27.3	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
27.5	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
27.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
31.2	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
39.7	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
42.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
52.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
58.7	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
61.5	71.1	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
69.5	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
71.5	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
74.8	91.0	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
76.5	93.6	94.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
77.3	95.1	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
78.1	96.0	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
78.4	96.6	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
78.5	96.7	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
78.8	97.2	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
78.9	97.4	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
78.9	97.5	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
78.9	97.6	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
79.0	97.7	98.9	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
79.0	97.7	98.9	99.3	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
79.0	97.7	98.9	99.3	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
79.0	97.7	98.9	99.3	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
79.0	97.8	99.0	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
79.0	97.8	99.0	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
79.0	97.8	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
79.0	97.8	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
79.0	97.8	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2842

CLIMATE CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

77736 FT RICHARDSON AK

77-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0300-0500

21.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
25.6	29.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
26.6	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	29.8	29.8	29.8
26.6	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	29.8	29.8	29.8
28.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
31.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
34.6	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
38.4	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	43.6	43.6	43.6
46.4	52.9	52.9	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	53.6	53.6	53.6	53.6
49.1	56.1	56.1	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	57.1	57.1	57.1	57.1
56.4	66.1	66.4	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
59.5	70.9	71.3	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
64.4	77.2	77.5	78.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
66.8	80.3	80.6	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
68.2	82.4	82.7	83.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
68.5	84.1	84.4	85.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
69.6	86.2	86.5	87.9	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
69.9	86.5	86.9	88.6	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
71.2	87.5	87.9	89.6	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
71.3	88.9	89.3	91.0	93.1	93.1	93.1	93.1	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
72.0	91.3	91.7	93.4	95.5	95.8	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
72.0	91.3	91.7	93.4	95.5	95.8	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
72.0	91.3	91.7	93.4	95.5	95.8	96.2	96.9	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
72.0	91.3	91.7	93.4	95.5	95.8	96.2	96.9	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
72.0	91.7	92.4	94.1	96.2	96.9	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
72.0	91.7	92.4	94.1	96.2	96.9	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
72.0	91.7	92.4	94.1	96.2	96.9	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
72.0	91.7	92.4	94.1	96.2	96.9	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
72.0	91.7	92.4	94.1	96.2	96.9	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
72.0	91.7	92.4	94.1	96.2	96.9	97.6	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
72.0	91.7	92.4	94.1	96.2	96.9	97.6	98.3	99.0	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 289

CLIMATOLOGY BRANCH  
 USAF/ETA  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

7-736 FT RICHARDSON AK

77-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

20.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
24.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
26.3	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
26.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
30.6	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
33.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
37.2	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
43.9	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	47.8	47.8
50.1	55.4	55.4	55.4	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	55.6	55.6
52.8	58.5	58.5	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
61.4	70.8	71.9	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
63.5	74.5	75.6	76.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
65.9	77.8	79.1	79.9	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
66.3	78.8	80.1	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
68.6	83.0	84.4	85.2	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
69.4	85.4	87.3	88.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
70.0	86.7	88.9	89.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
70.0	86.7	88.9	89.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
70.6	87.9	90.3	91.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
70.8	89.9	92.2	93.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
71.2	91.2	93.6	94.3	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
71.2	91.4	93.8	94.5	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
71.2	91.6	94.0	94.9	96.5	96.5	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
71.2	92.0	94.3	95.3	96.9	96.9	97.1	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
71.2	92.2	94.5	95.5	97.1	97.1	97.5	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
71.2	92.6	94.9	96.1	98.1	98.2	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.2	92.6	94.9	96.1	98.1	98.2	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.2	92.6	94.9	96.1	98.1	98.2	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.2	92.6	94.9	96.1	98.1	98.2	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 513

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

2736 FT RICHARDSON AK

77-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

18.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
22.0	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
22.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
23.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
23.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
26.9	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
32.4	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
36.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
41.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
45.5	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
48.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
57.3	66.1	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
60.8	70.4	70.8	70.8	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
64.3	75.9	76.5	76.7	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
65.3	78.0	78.6	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
67.1	82.2	82.9	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
68.2	83.5	84.3	84.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
69.6	85.7	87.1	87.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
69.6	85.9	87.3	88.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
70.6	88.6	90.2	91.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
71.8	91.2	92.9	93.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
72.2	92.2	94.1	94.9	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
72.2	92.2	94.1	94.9	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
72.2	92.2	94.3	95.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
72.2	92.4	94.9	95.9	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
72.2	92.4	95.1	96.1	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
72.2	92.4	95.1	96.1	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
72.2	92.4	95.1	96.1	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
72.2	92.4	95.1	96.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.2	92.4	95.1	96.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.2	92.4	95.1	96.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.2	92.4	95.1	96.1	99.0	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 510

2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 736 FT RICHARDSON AK

77-8?

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

20.0	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
22.7	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
26.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
26.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
26.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
28.8	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
32.7	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
34.2	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
39.5	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
45.1	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
48.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
58.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
61.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
66.5	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
68.1	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
69.7	87.5	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
70.3	88.5	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
71.2	90.8	91.2	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
71.6	91.2	91.6	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
73.2	93.0	93.7	94.3	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
74.8	94.9	95.7	96.3	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
75.0	96.3	97.1	97.7	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
75.3	96.7	97.5	98.0	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
75.3	96.7	97.5	98.2	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75.5	96.9	97.7	98.4	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 511

# CEILING VERSUS VISIBILITY

736 FT RICHARDSON AK

77-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

22.6	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
26.6	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
29.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
29.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
29.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
32.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
36.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
38.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
44.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
48.8	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	57.4	57.4
52.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
60.2	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	77.4	77.4
62.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
65.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
66.8	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
68.8	90.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
69.8	91.6	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
70.8	93.0	93.8	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
71.0	93.2	94.0	94.6	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
71.8	94.8	95.6	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
73.2	96.8	97.6	98.2	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
73.4	97.2	98.0	98.6	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
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.4	97.6	98.6	99.2	99.4	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 500





GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

7 2736

FT RICHARDSON AK

77-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

20.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
24.1	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
26.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
26.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
26.7	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
29.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
34.0	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
36.7	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
42.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
48.1	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
50.9	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
59.6	72.0	72.2	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
62.2	75.4	75.8	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
65.3	80.1	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
66.7	82.9	83.4	83.9	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
68.7	86.3	87.0	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
69.5	87.9	88.6	89.1	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
70.5	89.7	90.6	91.3	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
70.7	89.9	90.9	91.6	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
71.6	91.5	92.6	93.4	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
72.5	93.3	94.4	95.2	96.1	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
72.8	94.3	95.5	96.2	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
72.9	94.5	95.7	96.5	97.5	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
72.9	94.5	95.8	96.7	97.9	98.2	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
72.9	94.7	96.0	97.0	98.1	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
72.9	94.7	96.0	97.0	98.2	98.6	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
72.9	94.7	96.1	97.1	98.3	98.8	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
73.0	94.9	96.3	97.3	98.6	99.1	99.3	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
73.0	95.0	96.4	97.4	98.7	99.3	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.0	95.0	96.4	97.4	98.7	99.3	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.0	95.0	96.4	97.4	98.7	99.3	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2799



2

GENERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72736 FT RICHARDSON AK

77-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

26.7	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	32.0
29.4	34.3	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	34.8
30.5	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.6
30.9	36.4	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	36.9
31.3	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.3
33.7	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	40.2
36.2	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.6
38.1	45.3	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	45.8
42.2	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	51.3
46.8	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	58.0
50.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.4
56.4	74.2	74.4	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	75.0
59.1	78.8	79.5	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.1
60.0	80.5	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.8
60.8	81.8	82.6	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3
62.1	83.7	84.7	85.0	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.6
62.7	86.4	87.7	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.0
63.1	86.9	88.4	89.4	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.5
63.1	86.9	88.4	89.4	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.5
63.4	87.7	89.2	90.2	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.3
63.4	88.4	90.2	91.1	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2
64.2	89.4	91.3	92.2	92.8	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9
64.2	89.6	91.5	92.4	93.0	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.1
64.2	89.6	91.5	92.4	93.0	93.2	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	94.1
64.6	90.2	92.0	93.2	93.9	94.1	94.7	94.7	94.7	94.7	94.7	94.9	94.9	94.9	94.9	95.5
64.6	90.3	92.2	93.4	94.1	94.3	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.8
64.8	90.5	92.4	93.6	94.3	94.5	95.3	95.3	95.3	95.3	95.8	96.0	96.2	96.2	96.2	96.8
65.0	91.7	93.6	94.7	95.5	95.6	96.4	96.4	96.4	96.4	97.2	97.5	97.7	97.7	97.7	98.3
65.0	91.9	93.8	94.9	95.6	95.8	96.6	96.8	97.2	98.3	98.7	98.9	98.9	98.9	99.1	99.6
65.0	91.9	93.8	94.9	95.6	95.8	96.6	96.8	97.2	98.3	98.7	98.9	98.9	98.9	99.1	99.6
65.0	91.9	93.8	94.9	95.6	95.8	96.8	97.0	97.3	98.5	98.9	99.1	99.1	99.1	99.2	99.8
65.0	91.9	93.8	94.9	95.6	95.8	96.8	97.0	97.3	98.7	99.1	99.2	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 528

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

72736

FT RICHARDSON AK

77-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

25.5	32.2	32.2	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
27.8	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
29.2	36.0	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
29.4	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
31.3	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
36.6	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
39.1	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
42.4	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
46.8	59.7	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	59.8	59.8	59.8
49.2	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
55.5	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
58.7	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
59.5	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
61.2	79.7	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
63.1	83.5	83.9	83.9	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
63.8	84.8	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
64.2	86.6	87.5	87.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
64.4	86.7	87.9	88.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
64.3	87.3	88.4	88.6	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
65.2	88.4	90.2	90.3	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
65.9	90.2	92.2	92.4	93.8	93.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
65.9	90.5	92.6	92.8	94.1	94.1	95.3	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
65.9	91.1	93.2	93.4	94.7	94.7	95.8	96.2	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
65.9	91.3	93.4	93.6	95.5	95.5	96.6	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
65.9	91.5	93.6	93.8	95.6	95.8	97.0	97.3	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
65.9	91.7	93.8	93.9	96.0	96.2	97.5	97.9	97.9	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
65.9	92.2	94.5	94.7	96.8	97.0	98.3	98.7	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
65.9	92.2	94.5	94.7	96.8	97.0	98.3	98.7	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
65.9	92.2	94.5	94.7	96.8	97.0	98.3	98.7	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
65.9	92.2	94.5	94.7	96.8	97.0	98.3	98.7	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 528









GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7736 FT RICHARDSON AK

77-82

AUC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING	2000	1900	1800	1700	1600	1500	1400	1300	1200	1100	1000	900	800	700	600	500	400	300	200	100	0
26.2	31.4	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.8
28.5	34.1	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.5
29.7	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.4
29.9	36.3	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.8
30.4	36.9	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	37.2	37.2	37.2	37.2	37.2	37.2	37.3
32.8	39.7	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	40.0	40.0	40.0	40.0	40.0	40.0	40.2
36.3	44.5	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9
38.3	46.8	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	47.2	47.2	47.2	47.3
43.9	53.7	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	54.0	54.0	54.0	54.0	54.2
48.4	60.6	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	61.0	61.0	61.0	61.0	61.1
51.5	66.0	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	66.4	66.4	66.4	66.4	66.5
58.2	76.5	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.4
60.9	80.4	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6
62.2	82.5	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7
62.9	84.1	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.4
63.8	85.9	86.8	87.1	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	87.4	87.6
64.6	88.3	89.3	89.5	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2
65.1	89.5	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9
65.2	89.6	90.9	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1
65.6	90.5	91.9	92.3	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
66.0	92.0	93.7	94.2	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8
66.4	92.9	94.7	95.3	96.5	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5
66.4	93.0	94.9	95.5	96.7	96.8	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7
66.4	93.1	95.0	95.6	96.8	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8
66.5	93.2	95.1	95.8	97.1	97.3	97.8	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3
66.5	93.4	95.2	95.9	97.3	97.5	98.0	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5
66.6	93.4	95.3	96.0	97.4	97.6	98.1	98.3	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
66.6	93.8	95.6	96.3	97.7	98.0	98.5	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4
66.6	93.8	95.7	96.4	97.8	98.0	98.6	98.7	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
66.6	93.8	95.7	96.4	97.8	98.0	98.6	98.7	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
66.6	93.8	95.7	96.4	97.8	98.0	98.6	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
66.6	93.8	95.7	96.4	97.8	98.0	98.6	98.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2914

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
2000	22.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
1800	24.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
1600	24.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
1400	25.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
1200	25.9	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
1000	26.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
800	27.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
600	29.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
400	33.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
200	38.3	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	57.8	57.8	57.8
100	39.7	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	62.1	62.1
50	44.0	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
0	47.2	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
1000	51.4	85.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
900	51.4	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7	89.0
800	51.4	88.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.1	90.1	90.4
700	51.8	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.2	92.2	92.6
600	51.8	90.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.6	92.6	92.9
500	51.8	92.2	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.4	95.4	95.7	95.7
400	51.8	92.9	95.0	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.8	96.8
300	51.8	92.9	95.0	96.1	96.5	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.5	97.5	97.9	97.9
200	51.8	92.9	95.0	96.1	96.5	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.5	97.5	97.9	97.9
100	51.8	92.9	95.0	96.1	96.5	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.5	97.5	97.9	97.9
0	51.8	93.6	95.7	96.8	97.2	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.2	98.2	98.6	98.6
1000	51.8	93.6	96.1	97.2	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.6	98.6	98.9	98.9
900	51.8	94.3	96.8	97.9	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.3	99.3	99.6	99.6
800	51.8	94.3	97.2	98.2	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.6	100.0	100.0
700	51.8	94.3	97.2	98.2	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 282



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2

7 2736 FT RICHARDSON AK

77-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24.1	28.4	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
27.6	33.7	34.2	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
28.6	35.2	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
29.2	35.8	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
29.4	36.0	36.4	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
33.1	40.7	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
39.1	46.8	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
41.1	50.5	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
47.2	58.9	59.3	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
52.4	66.9	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
55.6	72.0	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
60.5	81.6	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
62.2	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
63.0	87.3	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
63.6	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
64.0	90.2	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
64.2	92.2	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
64.2	92.6	93.5	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
64.4	92.8	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
64.6	93.7	94.5	94.9	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
64.8	94.3	95.1	95.5	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
64.8	94.7	95.5	95.9	96.7	96.9	96.9	96.9	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
64.8	94.7	95.5	95.9	96.7	96.9	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
64.8	94.9	95.7	96.1	97.1	97.3	97.5	97.5	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
64.8	95.1	95.9	96.5	97.5	97.8	98.0	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
64.8	95.1	95.9	96.5	97.5	97.8	98.0	98.2	98.2	98.2	98.6	98.6	98.6	98.6	99.0	99.0	99.0
64.9	95.7	96.5	97.1	98.2	98.4	98.8	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.8	99.8	99.8
64.8	95.9	96.7	97.3	98.4	98.6	99.0	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0
64.8	95.9	96.7	97.3	98.4	98.6	99.0	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0
64.8	95.9	96.7	97.3	98.4	98.6	99.0	99.2	99.2	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 489



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

SEP

PERCENTAGE FREQUENCY OF OCCURENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
100	26.5	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
150	30.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
200	32.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
250	33.3	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
300	34.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
350	37.7	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	40.8	40.8	40.8
400	40.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
450	44.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
500	50.6	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	58.1
550	55.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
600	58.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
650	63.5	84.2	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
700	65.0	86.5	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
750	67.5	91.5	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
800	67.9	92.9	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
850	69.0	95.4	96.5	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
900	69.2	95.8	96.9	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
950	69.4	96.3	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1000	69.4	96.3	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1100	69.4	97.1	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1200	69.4	97.3	98.5	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1300	69.4	97.3	98.5	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1400	69.4	97.5	98.8	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1500	69.4	97.5	98.8	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1600	69.4	97.7	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1700	69.4	97.7	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	69.4	97.7	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1900	69.4	97.7	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	69.4	97.7	99.0	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 480



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736

FT RICHARDSON AK

77-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

VISIBILITY IN STATUTE MILES

CEILING	20	25	30	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	100
1000	24.8	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
900	28.4	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.4
800	29.7	34.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.1	35.1
700	30.2	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7
600	30.9	36.1	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5
500	33.2	39.2	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6
400	36.8	43.7	43.9	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	44.1	44.1	44.1	44.1
300	39.7	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8
200	45.4	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3
100	50.6	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0
0	53.3	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.3	70.3	70.3
1000	58.6	81.6	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5
900	60.5	84.8	85.5	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	85.8	85.9	85.9
800	62.7	89.0	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1
700	63.2	90.5	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9
600	63.9	92.3	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.9	93.9
500	64.1	93.3	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1
400	64.2	93.9	95.0	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
300	64.2	94.0	95.1	95.5	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	95.8	95.8
200	64.3	94.6	95.8	96.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
100	64.3	95.3	96.5	97.1	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
0	64.3	95.6	96.9	97.5	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
1000	64.3	95.6	96.9	97.6	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
900	64.3	95.7	97.0	97.7	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
800	64.3	95.7	97.0	97.8	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	64.4	95.8	97.1	97.8	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	64.4	95.9	97.2	98.0	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
500	64.4	96.1	97.4	98.2	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
400	64.4	96.1	97.5	98.3	98.8	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	64.4	96.2	97.5	98.4	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	64.4	96.2	97.6	98.4	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	64.4	96.2	97.6	98.4	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	64.4	96.2	97.6	98.4	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2690



# CEILING VERSUS VISIBILITY

2

7 2736 FT RICHARDSON AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

		LINE FEET STATUTE MILES															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
100	0-100	17.4	25.2	25.2	25.2	25.2	25.2	25.5	25.5	25.5	25.5	25.9	25.9	25.9	25.9	25.9	25.9
200	0-200	17.4	26.2	26.2	26.2	26.2	26.2	26.6	26.6	26.6	26.6	27.0	27.0	27.0	27.0	27.0	27.0
300	0-300	17.4	26.2	26.2	26.2	26.2	26.2	26.6	26.6	26.6	26.6	27.0	27.0	27.0	27.0	27.0	27.0
400	0-400	17.4	26.6	26.6	26.6	26.6	26.6	27.0	27.0	27.0	27.0	27.3	27.3	27.3	27.3	27.3	27.3
500	0-500	17.7	28.0	28.0	28.0	28.0	28.0	28.4	28.4	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7
600	0-600	19.9	31.9	31.9	31.9	31.9	31.9	31.9	32.3	32.3	32.3	32.3	32.6	32.6	32.6	32.6	32.6
700	0-700	21.3	36.9	36.9	36.9	36.9	36.9	37.2	37.2	37.2	37.2	37.6	37.6	37.6	37.6	37.6	37.6
800	0-800	26.2	45.0	45.0	45.0	45.0	45.0	45.4	45.4	45.4	45.4	45.7	45.7	45.7	45.7	45.7	45.7
900	0-900	32.3	54.6	54.6	54.6	54.6	54.6	55.0	55.0	55.0	55.0	55.3	55.7	55.7	55.7	55.7	55.7
1000	0-1000	38.3	65.2	65.2	65.2	65.6	65.6	66.0	66.0	66.0	66.3	66.7	66.7	66.7	66.7	66.7	66.7
1200	0-1200	38.7	65.6	65.6	65.6	66.0	66.0	66.3	66.3	66.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0
1400	0-1400	40.8	70.6	70.6	70.6	70.9	70.9	71.3	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0
1600	0-1600	40.8	70.9	70.9	70.9	71.3	71.3	71.6	71.6	71.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3
1800	0-1800	41.8	75.2	75.2	75.5	75.9	75.9	76.6	76.6	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.3
2000	0-2000	42.9	78.0	78.0	78.4	78.7	78.7	79.4	79.4	79.4	79.8	80.1	80.1	80.1	80.1	80.1	80.1
2200	0-2200	44.0	79.8	80.5	81.2	81.6	81.6	82.3	82.3	82.3	82.6	83.0	83.0	83.0	83.0	83.0	83.0
2400	0-2400	44.0	79.8	80.5	81.2	81.6	81.6	82.6	82.6	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3
2600	0-2600	44.0	80.1	80.9	81.6	82.3	82.6	84.0	84.0	84.0	84.4	84.8	84.8	84.8	84.8	84.8	84.8
2800	0-2800	44.0	81.6	82.6	83.3	85.1	85.5	87.2	87.2	87.2	88.7	89.0	89.0	89.0	89.0	89.0	89.0
3000	0-3000	44.0	81.9	83.0	83.7	85.5	85.8	87.6	87.6	88.3	89.7	90.1	90.1	90.1	90.1	90.1	90.1
3200	0-3200	44.0	81.9	83.0	84.0	85.8	86.2	87.9	87.9	88.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4
3400	0-3400	44.0	82.6	83.7	84.8	86.5	86.9	88.7	89.0	89.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5
3600	0-3600	44.0	82.6	83.7	84.8	86.5	86.9	89.4	90.8	91.5	92.9	93.6	93.6	93.6	93.6	93.6	93.6
3800	0-3800	44.0	82.6	84.0	85.1	87.9	88.3	90.8	92.6	93.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7
4000	0-4000	44.0	83.0	84.4	85.5	88.3	88.7	91.1	92.9	93.6	95.7	96.8	96.8	96.8	96.8	96.8	96.8
4200	0-4200	44.0	83.7	85.1	86.2	89.0	89.4	91.8	93.6	94.3	96.5	97.5	97.5	97.5	97.5	97.5	97.5
4400	0-4400	44.0	84.0	85.5	86.5	89.4	89.7	92.2	94.0	94.7	96.8	97.9	97.9	97.9	97.9	97.9	97.9
4600	0-4600	44.0	84.0	85.5	86.5	89.4	89.7	92.2	94.0	94.7	96.8	97.9	97.9	98.2	98.6	99.6	100.0
4800	0-4800	44.0	84.0	85.5	86.5	89.4	89.7	92.2	94.0	94.7	96.8	97.9	97.9	98.2	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 282

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

7 2736 FT RICHARDSON AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

12.3	13.3	13.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.8	18.8	18.8	18.8	18.8
13.7	20.2	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.8	20.8	20.8	20.8	20.8
14.3	21.4	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	22.0	22.0	22.0	22.0	22.0
14.5	21.8	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.6	22.6	22.6	22.6	22.6
14.5	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.8	22.8	22.8	22.8	22.8
15.5	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.8	24.8	24.8	24.8	24.8
17.9	26.8	26.8	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.8	27.8	27.8	27.8	27.8
18.3	28.8	28.8	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.8	29.8	29.8	29.8	29.8
22.6	34.5	34.5	34.7	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.9	35.9	35.9	35.9	35.9
28.6	43.3	43.3	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.8	44.8	44.8	44.8	44.8
33.7	51.6	51.6	52.0	52.4	52.4	52.4	52.4	52.6	52.6	52.6	53.4	53.4	53.4	53.4	53.6
40.9	63.1	63.3	63.7	64.1	64.1	64.1	64.3	64.3	64.3	64.5	65.3	65.3	65.3	65.3	65.5
41.7	64.5	64.7	65.1	65.7	65.7	65.7	65.9	65.9	66.1	66.9	66.9	66.9	66.9	66.9	67.1
43.1	67.5	67.9	68.3	68.8	68.8	68.8	69.0	69.2	69.4	70.2	70.2	70.2	70.2	70.2	70.4
44.3	68.8	69.2	69.8	70.4	71.4	70.4	70.6	70.8	71.0	71.8	71.8	71.8	71.8	71.8	72.0
45.3	71.6	72.6	73.2	74.2	74.2	74.2	74.4	74.6	74.8	75.6	75.6	75.6	75.6	75.6	75.8
45.2	73.4	74.4	75.4	76.4	76.6	76.6	77.0	77.0	77.4	78.2	78.2	78.2	78.2	78.2	78.4
45.2	73.8	75.0	76.0	77.0	77.2	77.2	77.8	78.0	78.2	79.0	79.0	79.0	79.0	79.0	79.2
45.4	74.0	75.2	76.2	77.2	77.4	77.4	78.0	78.2	78.4	79.2	79.2	79.2	79.2	79.2	79.4
45.6	74.8	76.0	77.2	78.2	78.8	78.8	79.4	79.6	79.8	80.6	80.6	80.6	80.6	80.6	80.8
45.6	76.4	78.0	79.4	80.6	81.2	81.3	82.5	82.7	83.1	84.1	84.1	84.1	84.1	84.1	84.3
45.6	76.6	78.4	80.2	81.7	82.3	82.5	83.7	83.9	85.1	86.3	86.3	86.3	86.3	86.3	86.5
45.8	77.0	78.8	80.6	82.1	82.7	83.1	84.3	84.7	85.9	87.1	87.1	87.5	87.5	87.5	87.7
45.8	77.0	78.8	80.8	82.3	82.9	83.9	85.1	85.5	86.7	88.1	88.1	88.5	88.5	88.5	88.7
45.3	77.0	78.8	80.8	82.3	82.9	83.9	85.7	86.1	87.7	89.1	89.1	89.5	89.5	89.5	89.7
45.8	77.4	79.2	81.2	82.9	83.5	84.9	86.7	87.1	88.7	90.1	90.1	90.9	90.9	90.9	91.3
45.8	77.8	80.0	81.9	84.3	84.9	86.7	88.5	88.9	90.9	92.5	92.5	93.8	93.8	94.0	94.6
45.8	78.8	81.0	83.1	85.9	86.5	88.3	90.3	90.7	92.9	94.6	94.6	96.4	96.8	97.0	97.8
45.3	78.8	81.0	83.3	86.1	86.7	88.5	90.7	91.5	93.7	95.4	95.4	97.2	97.6	97.8	98.8
45.3	79.0	81.2	83.5	86.3	86.9	88.7	91.1	91.9	94.0	96.2	96.2	98.0	98.4	98.6	99.8
45.8	79.0	81.2	83.5	86.3	86.9	88.7	91.1	91.9	94.0	96.2	96.2	98.0	98.4	98.6	100.0
45.9	79.0	81.2	83.5	86.3	86.9	88.7	91.1	91.9	94.0	96.2	96.2	98.0	98.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 504

USAF ETAC FT RICHARDSON AK PERIODICALLY REVIEWED FOR ACCURACY

GENERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/AC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

11.9	15.7	15.9	15.9	16.1	16.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.5
13.7	18.3	18.5	18.5	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.8	19.0	19.0	19.0	19.2
15.3	20.2	20.4	20.4	20.6	20.6	21.0	21.0	21.0	21.0	21.0	21.0	21.2	21.2	21.2	21.4
16.9	20.8	21.0	21.0	21.2	21.2	21.6	21.6	21.6	21.6	21.8	21.8	22.0	22.0	22.0	22.2
16.5	21.4	21.6	21.6	21.8	21.8	22.2	22.2	22.2	22.2	22.4	22.4	22.6	22.6	22.6	22.8
19.0	24.4	24.8	24.8	25.0	25.0	25.4	25.4	25.4	25.4	25.6	25.6	25.8	25.8	25.8	26.0
20.0	25.6	26.0	26.0	26.2	26.2	26.6	26.6	26.6	26.6	26.8	26.8	27.0	27.0	27.0	27.2
21.3	25.4	29.8	29.8	30.0	30.0	30.4	30.4	30.4	30.4	30.6	30.6	30.8	30.8	30.8	31.0
27.2	35.9	36.3	36.3	36.5	36.5	36.9	36.9	36.9	36.9	37.1	37.1	37.3	37.3	37.3	37.5
33.1	45.6	46.0	46.0	46.2	46.2	46.6	46.6	46.6	46.6	46.8	46.8	47.0	47.0	47.0	47.2
37.1	50.6	51.0	51.0	51.2	51.2	51.6	51.6	51.6	51.6	51.8	51.8	52.0	52.0	52.0	52.2
44.6	62.7	63.1	63.1	63.3	63.3	63.7	63.7	63.7	63.7	63.9	63.9	64.1	64.1	64.1	64.3
47.0	66.3	66.7	66.7	66.9	66.9	67.3	67.3	67.3	67.3	67.5	67.5	67.7	67.7	67.7	67.9
49.0	69.2	69.8	69.8	70.0	70.0	70.4	70.4	70.4	70.4	70.8	70.8	71.0	71.0	71.0	71.2
49.6	71.2	71.8	71.8	72.0	72.0	72.4	72.4	72.4	72.4	72.8	72.8	73.0	73.0	73.0	73.2
50.0	73.4	74.2	74.2	74.6	74.6	75.2	75.2	75.2	75.2	75.6	75.6	75.8	75.8	75.8	76.0
50.6	75.2	76.2	76.6	77.2	77.4	77.8	77.8	77.8	77.8	78.2	78.2	78.4	78.4	78.4	78.6
50.6	76.0	77.2	77.6	78.4	78.6	79.0	79.0	79.0	79.0	79.4	79.4	79.6	79.6	79.6	79.8
50.6	76.2	77.4	77.8	78.6	78.8	79.2	79.2	79.2	79.2	79.6	79.6	79.8	79.8	79.8	80.0
50.3	77.6	78.8	79.8	81.2	81.3	81.7	81.7	82.1	82.3	82.7	82.7	82.9	82.9	82.9	83.1
51.0	79.4	80.6	81.5	83.1	83.5	84.5	84.9	85.5	85.7	86.1	86.1	86.3	86.3	86.3	86.5
51.2	79.8	81.0	81.9	83.7	84.1	85.1	85.7	86.3	86.7	87.1	87.1	87.3	87.3	87.3	87.5
51.2	80.0	81.2	82.1	83.9	84.3	85.3	85.9	86.5	86.9	87.5	87.5	87.7	87.7	87.7	87.9
51.4	80.4	81.5	82.7	84.5	85.1	86.1	87.3	87.9	88.7	89.9	89.9	90.1	90.1	90.1	90.5
51.4	80.4	81.5	82.7	84.5	85.1	86.5	87.9	88.7	89.9	91.3	91.3	91.5	91.5	91.5	91.9
51.6	80.8	81.9	83.1	84.9	85.5	86.9	88.5	89.3	90.7	92.1	92.1	92.7	92.7	92.9	93.3
51.3	81.5	82.7	84.1	85.9	86.5	87.9	89.9	90.7	92.9	94.6	94.8	96.2	96.2	96.4	96.8
51.3	81.9	83.1	84.5	86.9	87.5	88.9	91.1	91.9	94.0	96.2	96.4	98.0	98.0	98.2	99.2
51.3	81.9	83.1	84.5	86.9	87.5	89.1	91.3	92.1	94.2	96.4	96.6	98.4	98.6	99.0	100.0
51.3	81.9	83.1	84.5	86.9	87.5	89.1	91.3	92.1	94.2	96.4	96.6	98.4	98.6	99.0	100.0
51.3	81.9	83.1	84.5	86.9	87.5	89.1	91.3	92.1	94.2	96.4	96.6	98.4	98.6	99.0	100.0
51.3	81.9	83.1	84.5	86.9	87.5	89.1	91.3	92.1	94.2	96.4	96.6	98.4	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 504



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736

FT RICHARDSON AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

15.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	21.0
16.3	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	23.0
17.6	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	24.2
17.6	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.8
18.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	27.3
21.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	31.1
23.0	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.7
27.3	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	40.7
33.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	50.1
36.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	54.3
43.9	64.5	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.3	66.1
46.1	68.3	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.5	69.5	70.3
48.1	71.7	72.5	72.9	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.9	73.9	74.7
48.9	73.1	73.9	74.3	74.7	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.6	75.6	76.4
49.9	75.4	76.2	76.8	77.2	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	78.0	78.0	78.8
50.1	76.0	77.2	78.2	78.6	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.4	79.4	80.2
50.3	77.2	78.8	80.2	80.6	80.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.8	81.8	82.6
50.3	77.8	79.4	80.8	81.4	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.6	82.6	83.4
50.3	78.6	80.6	82.4	83.6	83.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	85.4	85.4	86.2
50.9	79.8	81.8	83.6	85.0	85.0	86.0	86.2	86.2	86.2	86.4	86.6	86.6	87.2	87.2	88.0
51.3	81.4	83.6	85.4	87.2	87.2	88.4	88.8	88.8	88.8	89.0	89.2	89.8	90.0	90.2	91.0
51.3	81.6	83.8	85.6	87.6	87.6	89.0	89.4	89.4	89.4	89.6	89.8	90.4	90.6	90.8	91.6
51.9	82.2	84.4	86.2	88.6	88.8	90.2	90.6	90.6	90.6	90.8	91.0	91.6	91.8	92.0	92.8
51.9	82.2	84.4	86.2	88.6	89.2	91.0	91.6	91.6	92.0	92.4	92.6	93.2	93.4	93.6	94.4
51.9	82.2	84.4	86.2	88.6	89.2	91.0	91.8	91.8	92.6	93.2	93.6	94.2	94.4	94.6	95.4
51.9	82.4	84.6	86.4	89.0	89.6	91.4	92.6	92.8	94.4	95.2	95.6	96.2	96.4	96.6	97.4
51.9	82.6	85.0	86.8	89.6	90.2	92.0	93.2	93.4	95.0	95.8	96.2	97.0	97.2	97.4	98.4
51.9	82.8	85.2	87.0	89.8	90.4	92.6	93.8	94.0	95.6	96.4	96.8	97.8	98.2	98.4	99.6
51.9	82.8	85.2	87.0	89.8	90.4	92.6	93.8	94.0	95.6	96.4	96.8	97.8	98.2	98.4	100.0
51.9	82.8	85.2	87.0	89.8	90.4	92.6	93.8	94.0	95.6	96.4	96.8	97.8	98.2	98.4	100.0
51.9	82.8	85.2	87.0	89.8	90.4	92.6	93.8	94.0	95.6	96.4	96.8	97.8	98.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 499

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736

FT RICHARDSON AK

77-82

0CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

12.9	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
14.9	25.6	25.6	25.6	25.6	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
16.0	26.7	26.7	26.7	26.7	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
16.0	26.7	26.7	26.7	26.7	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
16.7	26.9	26.9	26.9	26.9	26.9	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
17.0	29.2	29.2	29.2	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
18.5	32.6	32.6	32.6	32.6	32.6	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
20.0	35.9	35.9	35.9	35.9	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
20.8	39.5	39.5	39.5	39.5	39.5	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
26.3	47.7	47.7	47.7	47.7	47.7	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
27.7	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
36.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
39.9	70.0	70.0	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
40.8	73.3	73.3	73.7	73.9	73.9	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
41.0	76.1	76.1	76.5	76.7	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
41.4	78.2	79.0	79.4	79.8	79.8	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
41.4	79.2	80.3	80.7	81.3	81.3	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
41.8	81.1	82.8	83.4	84.2	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
41.8	81.3	83.0	83.6	84.5	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
42.2	81.9	83.6	84.5	85.5	85.5	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
42.2	81.9	83.8	85.1	86.1	86.1	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
42.6	82.4	84.2	85.5	87.2	87.2	87.6	88.7	88.7	88.9	89.3	89.3	89.3	89.3	89.9	89.9
42.6	82.6	84.5	85.7	87.6	87.6	88.4	89.5	89.5	89.7	90.1	90.1	90.1	90.1	90.8	90.8
43.3	83.4	85.3	86.6	88.4	88.9	89.7	90.8	90.8	91.0	91.4	91.4	91.4	91.4	92.0	92.0
43.3	83.6	85.5	86.8	88.7	89.1	90.5	91.8	91.8	92.0	92.4	92.4	92.6	93.1	93.7	93.7
43.3	83.8	85.7	87.0	89.1	89.7	91.2	92.9	92.9	93.3	93.9	93.9	94.1	94.5	95.2	95.2
43.3	83.8	85.7	87.0	89.1	89.7	91.2	92.9	93.1	94.5	95.2	95.4	95.6	96.0	96.6	96.6
43.3	83.8	85.7	87.0	89.1	89.7	91.2	92.9	93.1	94.7	95.6	95.8	96.0	96.4	97.1	97.1
43.3	84.0	85.9	87.2	89.3	89.9	91.4	93.3	93.5	95.8	96.8	97.1	97.3	97.9	98.5	98.5
43.3	84.0	85.9	87.2	89.3	89.9	91.4	93.3	93.5	95.8	96.8	97.1	97.7	98.3	98.9	99.8
43.3	84.0	85.9	87.2	89.3	89.9	91.4	93.3	93.5	95.8	96.8	97.1	97.7	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 476

2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

7 2736 FT. RICHARDSON AK

77-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING	1000	900	800	700	600	500	400	300	200	100	0				
13.6	19.9	19.9	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.2	20.2	20.3	20.3	20.3	20.5
15.2	22.1	22.2	22.2	22.2	22.3	22.3	22.4	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.7
16.1	23.3	23.3	23.4	23.4	23.5	23.6	23.6	23.6	23.6	23.7	23.7	23.8	23.8	23.8	24.0
16.2	23.5	23.5	23.6	23.6	23.6	23.7	23.8	23.8	23.8	24.0	24.0	24.0	24.0	24.0	24.2
16.4	23.9	24.0	24.0	24.0	24.1	24.2	24.2	24.2	24.2	24.4	24.4	24.5	24.5	24.5	24.6
17.9	26.4	26.5	26.5	26.5	26.6	26.7	26.7	26.7	26.7	26.9	26.9	27.0	27.0	27.0	27.1
19.7	29.3	29.4	29.4	29.5	29.5	29.6	29.7	29.7	29.7	29.8	29.8	29.9	29.9	29.9	30.1
21.1	32.0	32.1	32.1	32.2	32.2	32.3	32.4	32.4	32.4	32.6	32.6	32.6	32.6	32.6	32.8
24.6	37.6	37.6	37.7	37.8	37.8	37.9	38.0	38.0	38.0	38.2	38.2	38.3	38.3	38.3	38.5
30.7	46.7	46.7	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.3	47.3	47.5	47.5	47.5	47.6
34.0	52.5	52.6	52.7	52.8	52.8	52.9	53.0	53.0	53.0	53.2	53.2	53.4	53.4	53.4	53.6
41.6	63.8	63.9	64.0	64.2	64.2	64.3	64.4	64.4	64.5	64.7	64.7	64.9	64.9	64.9	65.1
44.0	67.2	67.3	67.4	67.7	67.7	67.8	67.9	67.9	68.0	68.2	68.2	68.3	68.3	68.3	68.5
45.3	70.8	71.1	71.3	71.6	71.6	71.9	71.9	72.0	72.0	72.3	72.3	72.4	72.4	72.4	72.6
46.4	72.6	73.0	73.2	73.5	73.6	73.8	73.9	73.9	74.0	74.2	74.2	74.4	74.4	74.4	74.6
47.1	75.0	75.6	76.0	76.5	76.6	76.8	76.9	76.9	77.0	77.3	77.3	77.4	77.4	77.4	77.6
47.4	76.4	77.2	77.8	78.4	78.6	78.9	79.0	79.0	79.1	79.3	79.3	79.5	79.5	79.5	79.7
47.6	77.6	78.7	79.6	80.3	80.5	80.9	81.1	81.1	81.2	81.4	81.4	81.6	81.6	81.6	81.8
47.6	77.9	79.0	80.0	80.7	80.8	81.3	81.4	81.5	81.5	81.8	81.8	81.9	81.9	81.9	82.1
47.9	78.9	80.1	81.3	82.3	82.5	83.0	83.2	83.3	83.4	83.7	83.7	83.9	83.9	83.9	84.1
48.0	80.0	81.4	82.7	84.0	84.3	85.1	85.5	85.6	85.8	86.1	86.1	86.3	86.3	86.3	86.5
48.2	80.8	82.4	83.9	85.6	85.9	86.9	87.4	87.6	88.1	88.6	88.6	88.8	88.8	89.0	89.2
48.2	81.1	82.6	84.1	86.0	86.3	87.3	87.9	88.2	88.7	89.2	89.2	89.5	89.5	89.6	89.9
48.5	81.4	83.0	84.6	86.5	87.0	88.3	89.0	89.2	89.9	90.5	90.5	90.8	90.8	90.9	91.2
48.5	81.5	83.1	84.7	86.6	87.3	88.8	89.8	90.0	90.9	91.6	91.7	92.0	92.1	92.2	92.5
48.6	81.7	83.3	84.9	86.9	87.6	89.4	90.5	90.9	91.9	92.7	92.8	93.3	93.4	93.5	93.8
48.6	82.0	83.7	85.3	87.7	88.4	90.2	91.6	92.1	93.7	94.8	94.9	95.7	95.8	96.0	96.4
48.6	82.4	84.1	85.8	88.4	89.1	91.0	92.5	92.9	94.8	96.1	96.2	97.2	97.4	97.6	98.2
48.6	82.5	84.2	86.0	88.6	89.3	91.3	92.9	93.4	95.4	96.7	96.9	97.9	98.3	98.6	99.4
48.6	82.6	84.3	86.0	88.7	89.4	91.3	93.0	93.5	95.5	96.9	97.0	98.2	98.5	98.9	99.9
48.6	82.6	84.3	86.0	88.7	89.4	91.3	93.0	93.5	95.5	96.9	97.0	98.2	98.6	98.9	100.0
48.6	82.6	84.3	86.0	88.7	89.4	91.3	93.0	93.5	95.5	96.9	97.0	98.2	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2771

2

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING (FEET)	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
18.6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.6	32.6	33.0	33.0	33.5	33.5		
18.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	33.0	33.0	33.5	33.5	33.9	33.9		
19.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.9	33.9	34.4	34.4	34.8	34.8		
19.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.9	33.9	34.4	34.4	34.8	34.8		
19.0	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.3	35.3	35.7	35.7	36.2	36.2		
21.7	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	38.0	38.0	38.5	38.5	38.9	38.9		
21.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.5	42.5	43.0	43.0	43.4	43.4		
22.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.9	43.9	44.3	44.3	44.8	44.8		
23.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	48.0	48.0	48.4	48.4	48.9	48.9		
24.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.2	50.2	50.7	50.7	51.1	51.1		
28.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.2	55.2	55.7	55.7	56.1	56.1		
29.9	59.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	60.2	60.2	60.6	60.6	61.1	61.1		
30.8	61.5	61.5	61.5	62.4	62.4	62.4	62.4	62.4	62.4	62.9	62.9	63.3	63.3	63.8	63.8		
33.9	66.5	67.0	67.0	67.9	67.9	67.9	67.9	67.9	67.9	68.3	68.3	68.8	68.8	69.2	69.2	69.7	
34.4	67.4	67.9	67.9	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2	69.7	69.7	70.1	70.1	70.6	
34.4	67.9	68.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7	70.1	70.6	70.6	71.0	71.0	71.5	71.5	
34.8	70.1	71.0	71.0	72.4	72.4	72.9	72.9	72.9	72.9	73.3	73.8	74.2	74.2	74.7	74.7		
34.8	73.3	74.2	74.2	75.6	75.6	76.0	76.5	76.5	76.9	77.4	77.4	77.8	77.8	78.3	78.3		
34.9	73.3	74.2	74.2	75.6	75.6	76.0	76.5	76.5	76.9	77.4	77.4	77.8	77.8	78.3	78.3		
34.8	74.7	76.5	76.9	78.3	78.3	78.7	79.2	79.2	79.6	80.1	80.1	80.5	80.5	81.0	81.0		
34.8	76.9	78.7	79.6	81.0	81.0	81.4	81.9	81.9	82.8	83.3	83.3	83.7	83.7	84.2	84.2		
34.8	76.9	78.7	79.6	81.0	81.0	81.4	81.9	82.8	82.8	84.2	84.6	85.1	85.1	85.5	85.5		
34.8	77.4	79.2	80.1	81.4	81.4	82.4	83.3	83.3	85.1	85.5	85.5	86.0	86.0	86.4	86.4		
34.8	77.4	79.2	80.1	81.4	81.4	82.4	83.3	83.3	85.1	85.5	85.5	86.4	86.4	86.9	86.9		
34.8	77.8	79.6	80.5	81.9	81.9	83.3	84.6	84.6	86.9	87.3	87.3	88.2	88.2	88.7	88.7		
34.8	78.3	80.1	81.0	82.4	82.4	83.7	86.0	86.0	88.2	88.7	88.7	89.6	89.6	90.0	90.0		
34.8	79.2	81.0	81.9	83.3	83.3	84.6	86.9	86.9	89.6	90.0	90.0	91.9	91.9	92.8	93.2		
34.8	79.2	81.0	81.9	83.3	83.3	84.6	86.9	86.9	90.0	91.4	91.4	93.7	93.7	94.6	94.6		
34.8	79.2	81.0	81.9	83.3	83.3	84.6	86.9	86.9	90.5	91.9	91.9	94.1	94.1	95.0	97.7		
34.8	79.6	81.4	82.4	83.7	83.7	85.1	87.3	87.3	91.0	92.3	92.3	95.0	95.0	95.9	99.1		
34.8	80.1	81.9	82.8	84.2	84.2	85.5	87.8	87.8	91.4	92.8	92.8	95.5	95.5	96.4	99.5		
34.8	80.1	81.9	82.8	84.2	84.2	85.5	87.8	87.8	91.4	92.8	92.8	95.5	95.5	96.4	100.0		

TOTAL NUMBER OF OBSERVATIONS 221



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 0736 FT RICHARDSON AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

16.1	27.4	27.6	27.8	27.8	27.8	27.8	27.8	27.8	28.0	28.0	28.2	28.2	28.5	28.7	28.9
16.3	28.7	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.3	29.3	29.5	29.5	29.7	29.9	30.1
16.8	28.7	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.3	29.3	29.5	29.5	29.7	29.9	30.1
16.8	28.9	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.5	29.5	29.7	29.7	29.9	30.1	30.4
16.8	29.7	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.4	30.4	30.6	30.6	30.8	31.0	31.2
17.8	31.0	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.6	31.6	31.8	31.8	32.1	32.3	32.5
18.7	34.2	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.8	34.8	35.0	35.0	35.2	35.5	35.7
19.3	35.2	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.9	35.9	36.1	36.1	36.3	36.5	36.7
21.7	39.9	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.6	40.6	40.8	40.8	41.0	41.2	41.4
24.3	45.2	45.6	45.9	45.9	45.9	45.9	45.9	45.9	46.1	46.1	46.3	46.3	46.5	46.7	46.9
28.2	51.0	51.4	51.6	51.6	51.6	51.8	51.8	51.8	52.0	52.0	52.2	52.2	52.4	52.7	52.9
30.4	58.0	58.8	59.2	59.2	59.2	59.4	59.4	59.4	59.7	59.7	59.9	59.9	60.1	60.3	60.5
32.5	62.0	63.1	63.9	63.9	63.9	64.1	64.3	64.3	64.5	64.5	64.8	64.8	65.0	65.2	65.4
36.1	67.1	68.2	69.0	69.0	69.0	69.2	69.4	69.4	69.6	69.6	69.9	69.9	70.1	70.3	70.5
36.7	68.8	70.5	71.3	71.3	71.3	71.5	71.8	71.8	72.0	72.0	72.2	72.2	72.4	72.6	72.8
36.9	70.1	71.8	72.6	72.8	72.8	73.0	73.2	73.2	73.5	73.5	73.7	73.7	73.9	74.1	74.3
37.4	71.8	73.9	74.9	75.6	75.6	75.8	76.0	76.0	76.2	76.2	76.4	76.4	76.9	77.1	77.3
37.8	73.7	75.8	76.9	77.9	77.9	78.1	79.2	79.2	79.4	79.4	79.6	79.6	80.0	80.3	80.5
37.8	73.9	76.0	77.1	78.1	78.1	78.3	79.4	79.4	79.6	79.6	79.8	79.8	80.3	80.5	80.7
38.0	74.5	77.1	78.1	79.4	79.4	79.8	80.9	80.9	81.1	81.1	81.3	81.3	81.7	82.0	82.2
38.0	75.4	78.3	79.4	80.7	80.7	81.1	82.2	82.2	82.4	82.4	82.6	82.6	83.0	83.4	83.7
38.0	76.0	79.0	80.0	81.3	81.3	81.7	83.2	83.2	84.1	84.1	84.3	84.3	84.7	85.1	85.4
38.0	76.2	79.2	80.3	81.7	81.7	82.2	83.9	83.9	85.4	85.4	85.6	85.6	86.0	86.4	86.6
38.0	76.2	79.2	80.5	82.2	82.2	82.6	84.3	84.3	85.8	86.0	86.2	86.4	86.8	87.3	87.5
38.0	76.9	79.8	81.3	83.0	83.0	83.4	85.1	85.1	87.0	87.5	87.7	88.1	88.5	89.0	89.2
38.0	76.9	80.0	81.7	83.4	83.4	83.9	85.8	85.8	87.7	88.1	88.5	89.2	89.6	90.0	90.2
38.0	77.3	80.5	82.2	84.1	84.1	84.9	87.0	87.0	89.4	90.0	90.9	92.8	93.2	93.6	94.1
38.0	77.5	80.7	82.4	84.5	84.7	85.6	87.7	87.7	90.2	91.3	92.1	94.3	94.9	95.3	96.4
38.0	78.1	81.1	83.0	85.1	85.4	86.4	88.7	88.7	91.5	92.6	93.4	95.8	96.8	97.7	98.9
38.0	78.3	81.5	83.2	85.4	85.6	86.6	89.0	89.0	91.7	92.8	93.6	96.0	97.0	97.9	99.4
38.0	78.6	82.0	83.7	85.8	86.0	87.0	89.4	89.4	92.1	93.2	94.1	96.4	97.5	98.3	99.8
38.0	78.6	82.0	83.7	85.8	86.0	87.0	89.4	89.4	92.1	93.2	94.1	96.4	97.5	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 471

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

18.8	26.4	26.6	27.0	27.2	27.4	27.4	27.4	27.4	27.6	27.8	27.8	28.1	28.1	28.3	28.5
20.7	28.7	28.9	29.3	29.5	29.7	30.0	30.0	30.0	30.2	30.4	30.4	30.6	30.6	30.8	31.0
21.1	29.7	30.0	30.4	30.6	30.8	31.0	31.0	31.0	31.2	31.4	31.4	31.6	31.6	31.9	32.1
21.3	30.0	30.2	30.6	30.8	31.0	31.2	31.2	31.2	31.4	31.6	31.6	31.9	31.9	32.1	32.3
21.7	31.0	31.2	31.6	31.9	32.1	32.3	32.3	32.3	32.5	32.7	32.7	32.9	32.9	33.1	33.3
22.4	33.5	34.0	34.4	34.6	34.8	35.0	35.0	35.0	35.2	35.4	35.4	35.7	35.7	35.9	36.1
25.1	37.6	38.0	38.4	38.6	38.8	39.0	39.0	39.0	39.5	39.7	39.7	39.9	39.9	40.1	40.3
26.2	38.6	39.0	39.5	39.7	39.9	40.1	40.1	40.1	40.5	40.7	40.7	40.9	40.9	41.1	41.4
31.0	46.0	46.4	46.8	47.0	47.3	47.5	47.5	47.5	47.9	48.1	48.1	48.3	48.3	48.5	48.7
35.2	53.8	54.0	55.1	55.3	55.5	55.7	55.7	55.7	56.1	56.3	56.3	56.5	56.5	56.8	57.0
37.1	57.6	58.4	58.9	59.1	59.3	59.5	59.5	59.5	59.9	60.1	60.1	60.3	60.3	60.5	60.8
40.5	64.6	65.4	66.0	66.2	66.5	66.7	66.7	66.7	67.1	67.3	67.3	67.5	67.5	67.7	67.9
42.8	67.1	67.9	68.6	68.8	69.0	69.2	69.2	69.2	69.6	69.8	69.8	70.0	70.0	70.3	70.5
46.0	71.5	72.4	73.0	73.2	73.4	73.6	73.6	73.6	74.1	74.3	74.3	74.5	74.5	74.7	74.9
46.4	72.8	74.1	74.9	75.1	75.3	75.7	75.7	75.7	76.2	76.4	76.4	76.6	76.6	76.8	77.0
46.4	72.8	74.7	75.5	75.7	75.9	76.4	76.4	76.4	76.8	77.0	77.0	77.2	77.2	77.4	77.6
46.4	73.6	75.7	77.0	77.4	77.8	78.9	79.1	79.1	79.7	80.0	80.0	80.2	80.2	80.4	80.6
46.6	74.7	76.8	78.3	78.9	79.3	80.4	80.6	80.6	81.2	81.4	81.4	81.6	81.6	81.8	82.1
46.6	75.1	77.2	78.7	79.3	79.7	80.8	81.0	81.0	81.6	81.9	81.9	82.1	82.1	82.3	82.5
47.5	77.0	80.0	81.4	82.1	82.5	83.5	84.2	84.4	85.0	85.2	85.2	85.4	85.4	85.7	85.9
47.5	77.2	80.2	81.6	82.7	83.1	84.4	85.0	85.2	85.9	86.1	86.1	86.3	86.3	86.5	86.7
47.7	77.4	80.6	82.3	83.8	84.2	85.7	86.3	86.5	87.3	87.6	87.6	87.8	87.8	88.0	88.2
47.7	77.8	81.0	82.9	84.4	84.8	86.3	87.3	87.6	88.4	88.6	88.6	88.8	88.8	89.0	89.2
47.7	77.8	81.2	83.3	85.2	85.7	87.3	88.4	88.6	89.5	89.7	89.7	89.9	90.1	90.3	90.5
47.7	78.1	81.4	83.5	85.4	85.9	87.6	88.6	88.8	89.9	90.3	90.7	91.1	91.4	91.6	91.8
47.7	78.3	81.6	83.8	85.9	86.3	88.2	89.5	89.7	90.7	91.1	91.6	92.2	92.6	92.8	93.5
47.7	78.5	81.9	84.0	86.3	86.7	88.8	90.1	90.3	91.6	92.6	93.2	94.3	94.9	95.1	95.8
47.7	78.7	82.1	84.2	86.5	86.9	89.2	90.5	90.7	92.0	93.0	93.7	95.1	95.8	96.4	97.3
47.7	78.9	82.3	84.4	86.7	87.1	89.5	90.7	90.9	92.4	93.5	94.1	95.6	96.2	97.3	98.7
47.7	79.1	82.5	84.6	86.9	87.3	89.7	90.9	91.1	92.8	93.9	94.5	96.0	96.6	97.9	99.6
47.7	79.1	82.5	84.6	86.9	87.3	89.7	90.9	91.1	92.8	93.9	94.5	96.2	96.8	98.1	100.0
47.7	79.1	82.5	84.6	86.9	87.3	89.7	90.9	91.1	92.8	93.9	94.5	96.2	96.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 979

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736

FT RICHARDSON AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

CEILING (ft)	22.6	29.5	29.5	29.5	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	30.0	30.0	30.0	30.2
2000	24.3	31.9	31.9	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3	32.3	32.3	32.5
1800	25.1	34.0	34.0	34.0	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.4	34.4	34.4	34.6
1600	25.3	34.2	34.2	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.6	34.6	34.6	34.8
1400	25.5	34.8	34.8	34.8	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.2	35.2	35.2	35.4
1200	27.2	38.4	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.8	38.8	38.8	39.0
1000	28.9	43.5	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.9	43.9	43.9	44.1
800	29.7	44.5	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9	44.9	44.9	45.1
600	32.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	48.7	48.7	48.9
400	37.3	58.9	58.9	58.9	58.9	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.7
200	39.0	62.2	62.2	62.2	62.2	62.4	62.4	62.7	62.7	62.7	62.7	62.7	62.9	62.9	62.9	63.3
100	43.0	69.0	69.0	69.0	69.2	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.8	69.8	69.8	70.3
50	45.4	71.5	71.5	71.5	71.7	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.8
25	48.9	76.2	76.2	76.2	76.6	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.2	77.6
15	49.4	78.1	78.3	78.5	79.1	79.3	79.5	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.4
10	49.8	80.8	81.0	81.6	82.7	82.9	83.1	83.3	83.3	83.8	83.8	83.8	84.0	84.0	84.0	84.4
7.5	50.0	82.9	83.5	84.4	85.4	85.7	85.9	86.1	86.1	86.7	86.7	86.7	86.9	86.9	86.9	87.3
5	50.2	83.3	84.0	85.0	86.1	86.5	86.7	86.9	86.9	87.6	87.6	87.6	87.8	87.8	87.8	88.2
3.75	50.2	84.2	84.8	85.9	87.1	87.6	87.8	88.0	88.0	88.6	88.6	88.6	88.8	88.8	88.8	89.2
2.5	50.6	85.2	86.5	87.8	89.0	89.5	90.1	90.5	90.5	91.6	91.6	91.6	92.0	92.0	92.0	92.4
1.75	50.6	85.4	86.7	88.0	89.5	90.1	90.7	91.4	91.4	92.4	92.4	92.4	92.8	92.8	92.8	93.2
1.25	50.6	85.7	86.9	88.2	89.7	90.3	90.9	91.6	91.6	92.8	92.8	92.8	93.2	93.2	93.2	93.7
0.75	50.6	85.9	87.3	88.8	90.3	90.9	91.6	92.2	92.2	93.5	93.5	93.5	93.9	93.9	93.9	94.3
0.5	50.6	85.9	87.6	89.0	90.5	91.1	91.8	92.4	92.4	93.7	93.7	93.9	94.5	94.5	94.5	94.9
0.375	50.6	85.9	87.6	89.0	90.5	91.4	92.0	93.0	93.0	94.3	94.3	94.5	95.4	95.8	95.8	96.2
0.25	50.6	85.9	87.6	89.0	90.5	91.4	92.4	93.5	93.5	94.7	94.7	94.9	95.8	96.4	96.6	97.0
0.1875	50.6	85.9	87.6	89.0	90.5	91.4	92.4	93.7	93.7	94.9	94.9	95.4	95.8	96.8	97.5	98.1
0.125	50.6	86.1	87.8	89.5	90.9	91.8	93.0	94.3	94.3	95.8	96.2	96.8	98.5	99.2	99.4	99.8
0.0875	50.6	86.1	87.8	89.5	90.9	91.8	93.0	94.3	94.3	95.8	96.2	96.8	98.5	99.2	99.6	100.0
0.0625	50.6	86.1	87.8	89.5	90.9	91.8	93.0	94.3	94.3	95.8	96.2	96.8	98.5	99.2	99.6	100.0
0.04375	50.6	86.1	87.8	89.5	90.9	91.8	93.0	94.3	94.3	95.8	96.2	96.8	98.5	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 474

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7:2736

FT RICHARDSON AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)																			
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
10000	23.3	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.8	29.8	29.8	29.8	30.0	30.0	30.4	31.0				
9000	24.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.1	32.1	32.1	32.1	32.3	32.3	32.8	33.4				
8000	25.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.6	33.6	33.6	33.6	33.8	33.8	34.3	34.9				
7000	26.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.9	34.9	35.3	36.0				
6000	26.8	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.8	35.8	36.2	36.8				
5000	27.4	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.2	39.2	39.2	39.2	39.4	39.4	39.8	40.5				
4000	28.7	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.3	44.3	44.3	44.3	44.5	44.5	45.0	45.6				
3000	29.1	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.6	45.6	46.0	46.7				
2000	32.8	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.6	51.6	52.0	52.7				
1500	37.7	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.7	61.9	61.9	61.9	62.1	62.1	62.5	63.2				
1000	39.0	63.6	63.6	63.8	63.8	63.8	63.8	63.8	64.0	64.2	64.2	64.2	64.5	64.5	64.9	65.5				
500	41.3	70.2	70.2	70.7	70.7	70.7	70.7	70.7	70.9	71.1	71.1	71.1	71.3	71.3	71.7	72.4				
400	41.5	71.1	71.1	71.7	71.7	71.7	71.7	71.7	71.9	72.2	72.2	72.2	72.4	72.4	72.8	73.4				
300	44.3	75.6	75.6	76.2	76.4	76.4	76.4	76.4	76.7	76.9	76.9	76.9	77.1	77.1	77.5	78.2				
250	45.2	77.1	77.3	77.9	78.2	78.2	78.2	78.2	78.4	78.6	78.6	78.6	78.8	78.8	79.2	79.9				
200	46.5	80.5	81.2	82.2	83.7	83.7	83.7	83.7	83.9	84.2	84.2	84.2	84.4	84.4	84.8	85.4				
150	46.5	81.6	82.4	83.5	85.0	85.0	85.2	85.4	85.7	85.9	85.9	85.9	86.1	86.1	86.5	87.2				
100	46.5	82.4	83.7	84.8	86.7	87.2	87.4	87.6	87.8	88.0	88.0	88.0	88.2	88.2	88.7	89.3				
50	46.5	82.4	83.7	84.8	86.9	87.4	87.6	87.8	88.0	88.2	88.2	88.2	88.4	88.4	88.9	89.5				
0	46.5	83.1	84.6	85.9	88.4	89.1	89.7	89.9	90.1	90.6	90.6	90.6	90.8	90.8	91.2	91.9				
0	46.5	83.3	85.4	86.7	89.9	90.6	91.2	91.6	91.9	92.5	92.7	92.7	92.9	92.9	93.4	93.8				
0	46.5	83.3	85.9	87.2	90.6	91.2	91.9	92.5	92.7	93.6	93.6	93.8	94.2	94.2	94.6	95.3				
0	46.5	83.3	85.9	87.4	91.0	91.6	92.3	92.9	93.1	94.0	94.4	94.6	95.1	95.1	95.5	96.1				
0	46.7	83.7	86.3	87.8	91.6	92.3	92.9	93.6	93.8	94.6	95.1	95.3	95.7	95.7	96.1	96.8				
0	46.7	83.9	86.5	88.0	91.9	92.5	93.1	93.8	94.0	94.9	95.3	95.5	95.9	95.9	96.4	97.0				
0	46.7	83.9	86.5	88.0	92.1	92.7	93.4	94.0	94.2	95.1	95.9	96.1	96.8	97.2	97.6	98.3				
0	46.7	83.9	86.5	88.0	92.3	92.9	93.8	94.4	94.6	95.5	96.4	96.6	97.2	97.6	98.5	99.1				
0	46.7	83.9	86.5	88.0	92.3	92.9	93.8	94.4	94.6	95.7	96.6	96.8	97.4	97.9	98.9	99.8				
0	46.7	83.9	86.5	88.0	92.3	92.9	93.8	94.4	94.6	95.7	96.6	97.0	97.6	98.1	99.1	100.0				
0	46.7	83.9	86.5	88.0	92.3	92.9	93.8	94.4	94.6	95.7	96.6	97.0	97.6	98.1	99.1	100.0				

TOTAL NUMBER OF OBSERVATIONS 467

2

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736

FT RICHARDSON AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1900-2000

20.8	32.6	32.8	33.0	33.3	33.3	33.5	33.7	33.7	33.9	33.9	34.1	34.1	34.4	34.4
21.1	34.1	34.4	34.6	34.8	34.8	35.0	35.3	35.3	35.5	35.5	35.5	35.7	35.9	35.9
21.1	34.8	35.0	35.3	35.5	35.5	35.9	36.1	36.1	36.4	36.4	36.4	36.6	36.6	36.8
21.3	35.3	35.5	35.7	35.9	35.9	36.4	36.6	36.6	36.8	36.8	36.8	37.0	37.0	37.3
22.1	35.9	36.1	36.4	36.6	36.6	37.0	37.3	37.3	37.5	37.5	37.5	37.7	37.7	37.9
22.2	37.7	37.9	38.1	38.4	38.4	38.8	39.0	39.0	39.2	39.2	39.2	39.5	39.5	39.7
23.7	42.1	42.4	42.6	42.8	42.8	43.2	43.5	43.5	43.7	43.7	43.7	43.9	43.9	44.1
23.7	43.0	43.2	43.5	43.7	43.7	44.1	44.3	44.3	44.6	44.6	44.6	44.8	44.8	45.0
25.5	45.7	45.9	46.1	46.3	46.3	46.8	47.0	47.0	47.2	47.2	47.2	47.5	47.5	47.7
28.6	56.5	56.8	57.0	57.2	57.2	57.6	57.9	57.9	58.1	58.1	58.1	58.3	58.3	58.5
30.2	59.4	59.6	59.9	60.1	60.1	60.5	60.8	60.8	61.0	61.0	61.0	61.2	61.4	61.4
31.7	66.3	66.5	66.7	67.0	67.0	67.4	67.6	67.6	67.8	67.8	67.8	68.1	68.1	68.3
31.9	67.2	67.4	67.6	67.8	67.8	68.3	68.5	68.5	68.7	68.7	68.7	69.0	69.0	69.2
33.7	72.3	72.5	72.7	73.2	73.2	73.6	73.8	73.8	74.1	74.1	74.1	74.3	74.3	74.5
35.3	75.4	76.1	76.5	76.9	76.9	77.4	77.8	77.8	78.0	78.0	78.0	78.3	78.3	78.5
35.9	78.0	80.0	81.2	82.5	82.5	83.1	83.6	83.6	84.0	84.0	84.0	84.3	84.3	84.5
36.1	79.8	81.8	83.1	84.5	84.5	85.1	85.6	85.6	86.0	86.0	86.0	86.3	86.3	86.5
36.1	80.3	82.3	83.8	85.1	85.1	85.8	86.3	86.3	86.7	86.7	86.7	86.9	86.9	87.1
36.1	80.3	82.3	83.8	85.1	85.1	85.8	86.3	86.3	86.7	86.7	86.7	86.9	86.9	87.1
36.1	80.3	82.3	83.8	85.1	85.1	85.8	86.3	86.3	86.7	86.7	86.7	86.9	86.9	87.1
36.1	80.5	82.7	84.7	86.7	86.7	87.8	88.2	88.2	88.7	88.7	88.7	88.9	88.9	89.1
36.1	81.6	83.8	85.8	87.8	88.0	88.9	89.8	89.8	90.2	90.2	90.2	90.5	90.5	90.7
36.1	81.6	83.8	85.8	88.0	88.2	89.1	90.7	90.7	91.6	91.6	91.6	91.8	91.8	92.0
36.1	81.6	83.8	86.0	88.2	88.5	89.4	91.1	91.1	92.5	92.9	92.9	93.1	93.1	93.3
36.1	81.8	84.0	86.3	88.7	88.9	89.8	91.6	91.6	92.9	93.3	93.3	93.6	93.6	93.8
36.1	82.0	84.3	86.5	88.9	89.1	90.0	91.8	91.8	93.1	93.8	93.8	94.0	94.0	94.2
36.1	82.3	84.5	86.7	89.8	90.0	90.9	92.7	92.7	94.2	94.9	94.9	95.1	95.1	95.3
36.1	82.3	85.1	87.4	90.5	90.7	91.8	93.6	93.6	95.1	95.8	95.8	96.5	96.5	96.9
36.1	82.3	85.1	87.4	91.1	91.4	92.5	94.2	94.2	95.8	96.7	96.7	97.3	97.3	97.8
36.1	82.7	85.6	87.8	91.8	92.0	93.1	94.9	94.9	96.5	97.3	97.3	98.0	98.0	98.4
36.1	82.7	85.6	87.8	92.0	92.2	93.6	95.6	95.6	97.1	98.0	98.0	98.7	98.7	99.1
36.1	82.7	85.6	87.8	92.0	92.2	93.6	95.6	95.6	97.1	98.0	98.0	98.7	98.7	99.1

TOTAL NUMBER OF OBSERVATIONS 951

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

20.2	29.3	29.4	29.6	29.7	29.7	29.8	29.8	29.9	30.0	30.1	30.1	30.3	30.3	30.6	30.8
21.3	31.2	31.3	31.4	31.5	31.6	31.7	31.7	31.7	31.9	31.9	32.0	32.2	32.2	32.4	32.7
21.6	32.2	32.3	32.5	32.6	32.6	32.8	32.8	32.8	33.0	33.0	33.1	33.3	33.3	33.5	33.8
21.9	32.6	32.7	32.9	33.0	33.0	33.2	33.2	33.2	33.3	33.4	33.5	33.7	33.7	33.9	34.2
22.2	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.1	34.2	34.3	34.3	34.5	34.6	34.8	35.0
22.3	36.0	36.2	36.4	36.4	36.5	36.6	36.7	36.7	36.8	36.9	36.9	37.1	37.2	37.4	37.6
24.7	40.4	40.5	40.7	40.8	40.9	41.0	41.0	41.1	41.2	41.3	41.4	41.6	41.6	41.8	42.1
25.3	41.4	41.6	41.8	41.9	41.9	42.1	42.1	42.1	42.3	42.4	42.4	42.6	42.7	42.9	43.1
28.2	46.3	46.4	46.6	46.7	46.8	46.9	47.0	47.0	47.1	47.2	47.3	47.5	47.5	47.7	48.0
32.1	54.7	54.9	55.1	55.2	55.3	55.4	55.5	55.5	55.7	55.8	55.8	56.0	56.1	56.3	56.5
34.2	58.4	58.7	58.9	59.0	59.0	59.2	59.3	59.3	59.5	59.6	59.6	59.8	59.9	60.1	60.4
36.8	65.1	65.4	65.7	65.9	65.9	66.1	66.2	66.2	66.4	66.5	66.5	66.7	66.8	67.0	67.3
38.2	67.2	67.6	68.1	68.3	68.3	68.5	68.6	68.6	68.8	68.9	69.0	69.2	69.2	69.4	69.7
41.2	72.0	72.4	72.9	73.2	73.3	73.4	73.5	73.6	73.8	73.9	73.9	74.1	74.2	74.4	74.7
41.9	73.8	74.6	75.1	75.5	75.6	75.8	76.0	76.0	76.2	76.3	76.3	76.5	76.6	76.8	77.1
42.4	75.7	76.9	77.7	78.6	78.7	79.0	79.1	79.2	79.5	79.6	79.6	79.8	79.9	80.1	80.4
42.6	77.2	78.7	79.7	80.8	80.9	81.4	81.6	81.6	82.1	82.1	82.2	82.4	82.4	82.7	83.0
42.8	78.4	79.9	81.1	82.3	82.5	83.0	83.4	83.5	83.9	84.0	84.0	84.2	84.3	84.5	84.8
42.9	78.7	80.2	81.4	82.6	82.9	83.3	83.8	83.8	84.2	84.3	84.4	84.6	84.6	84.9	85.1
43.0	79.6	81.6	82.8	84.3	84.6	85.3	85.8	85.9	86.5	86.6	86.6	86.8	86.9	87.1	87.4
43.0	80.0	82.2	83.6	85.3	85.7	86.4	87.0	87.1	87.7	87.8	87.8	88.1	88.2	88.4	88.7
43.1	80.5	82.8	84.2	86.0	86.4	87.2	88.0	88.1	89.0	89.1	89.1	89.4	89.5	89.8	90.0
43.1	80.6	83.1	84.6	86.5	86.9	87.7	88.8	88.9	90.0	90.1	90.1	90.4	90.5	90.8	91.0
43.1	80.6	83.2	84.8	86.9	87.3	88.1	89.2	89.3	90.5	90.8	90.9	91.3	91.4	91.7	92.0
43.1	81.0	83.5	85.1	87.3	87.7	88.6	89.9	90.0	91.3	91.7	91.9	92.4	92.6	92.8	93.1
43.1	81.1	83.7	85.4	87.6	88.0	89.0	90.4	90.5	91.9	92.3	92.5	93.1	93.4	93.7	94.0
43.1	81.4	83.9	85.6	88.0	88.4	89.6	91.0	91.1	92.7	93.3	93.7	94.8	95.2	95.5	95.9
43.1	81.5	84.1	85.9	88.4	88.8	90.1	91.6	91.6	93.3	94.2	94.6	96.0	96.4	96.9	97.6
43.1	81.6	84.3	86.0	88.7	89.1	90.5	92.0	92.1	93.9	94.8	95.2	96.6	97.1	97.9	98.9
43.1	81.8	84.5	86.2	88.9	89.4	90.7	92.2	92.3	94.2	95.1	95.5	97.0	97.5	98.3	99.6
43.1	81.9	84.6	86.4	89.1	89.5	90.9	92.5	92.5	94.4	95.3	95.8	97.3	97.8	98.6	99.9
43.1	81.9	84.6	86.4	89.1	89.5	90.9	92.5	92.5	94.4	95.3	95.8	97.3	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2558

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

VISIBILITY STATISTICS

20.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	39.3	39.3	39.3	39.3	39.3	39.7	39.7	40.2	40.2
20.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	39.3	39.3	39.3	39.3	39.3	39.7	39.7	40.2	40.2
20.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	40.2	40.2	40.2	40.2	40.2	40.6	40.6	41.1	41.1
20.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	40.2	40.2	40.2	40.2	40.2	40.6	40.6	41.1	41.1
20.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	41.5	41.5	41.5	41.5	41.5	42.0	42.0	42.4	42.4
21.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.6	44.6	44.6	44.6	44.6	45.1	45.1	45.5	45.5
25.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	49.1	49.1	49.1	49.1	49.1	49.6	49.6	50.4	50.4
25.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.9	50.9	50.9	50.9	50.9	51.3	51.3	52.2	52.2
28.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.7	56.7	56.7	56.7	56.7	57.1	57.1	58.0	58.0
29.9	59.8	59.8	59.8	59.8	59.8	59.8	60.3	61.2	61.2	61.2	61.2	61.2	61.6	61.6	62.5	62.5
32.1	64.3	64.3	64.3	64.3	64.3	64.3	64.7	65.6	65.6	65.6	65.6	65.6	66.1	66.1	67.0	67.0
33.9	67.0	67.0	67.0	67.0	67.0	67.0	67.4	68.3	68.3	68.3	68.3	68.3	68.8	68.8	69.6	69.6
34.4	71.0	71.0	71.0	71.0	71.0	71.0	71.4	72.3	72.3	72.3	72.3	72.3	72.8	72.8	73.7	73.7
35.3	76.8	77.2	77.2	77.2	77.2	77.2	77.7	78.6	78.6	78.6	78.6	78.6	79.0	79.0	79.9	79.9
35.3	77.2	77.7	77.7	77.7	77.7	77.7	78.1	79.0	79.0	79.0	79.0	79.0	79.5	79.5	80.4	80.4
35.7	78.6	79.0	79.0	79.9	79.9	79.9	80.8	81.7	81.7	81.7	81.7	81.7	82.1	82.1	83.0	83.0
35.7	79.9	80.8	80.8	81.7	81.7	81.7	82.6	83.5	83.5	83.5	83.5	83.5	83.9	83.9	84.8	84.8
35.7	81.3	82.1	82.1	84.4	84.4	84.4	85.3	86.2	86.2	86.2	86.2	86.2	86.6	86.6	87.5	87.5
35.7	82.6	83.5	83.5	86.2	86.2	86.2	87.1	87.9	87.9	87.9	87.9	87.9	88.4	88.4	89.3	89.3
35.7	83.9	84.8	84.8	87.5	87.5	87.5	88.4	89.3	89.3	89.3	89.3	89.3	89.7	89.7	90.6	90.6
35.7	83.9	84.8	84.8	87.5	87.5	87.5	88.4	89.3	89.3	89.3	89.3	89.3	89.7	89.7	90.6	90.6
35.7	83.9	84.8	84.8	88.4	88.4	88.4	89.3	90.2	90.2	90.2	90.2	90.2	90.6	90.6	91.5	91.5
35.7	83.9	84.8	84.8	88.4	88.4	88.4	89.3	90.2	90.2	90.2	90.2	90.2	90.6	90.6	91.5	91.5
35.7	84.4	85.3	85.3	88.8	88.8	88.8	89.7	90.6	90.6	90.6	90.6	90.6	91.1	91.1	92.0	92.0
35.7	84.8	85.7	85.7	89.3	89.3	89.3	90.2	91.5	91.5	91.5	91.5	91.5	92.0	92.0	92.9	92.9
35.7	85.3	86.2	86.2	89.7	89.7	89.7	90.6	92.0	92.0	92.0	92.0	92.0	92.4	92.4	93.3	93.3
36.2	86.2	87.1	87.1	90.6	90.6	90.6	91.5	92.9	92.9	93.8	93.8	93.8	94.2	94.2	95.1	95.1
36.2	86.6	87.5	87.5	91.1	91.1	91.1	92.0	93.3	93.3	94.2	94.2	94.2	94.6	94.6	96.0	96.0
36.2	86.6	87.9	87.9	91.5	91.5	91.5	92.4	93.8	93.8	95.1	95.1	95.1	96.0	96.0	97.3	98.2
36.2	86.6	87.9	87.9	91.5	91.5	91.5	92.4	93.8	93.8	95.5	96.0	96.0	96.9	96.9	98.2	99.6
36.2	87.1	88.4	88.4	92.0	92.0	92.0	92.9	94.2	94.2	96.0	96.4	96.4	97.3	97.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 224

GLOBAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

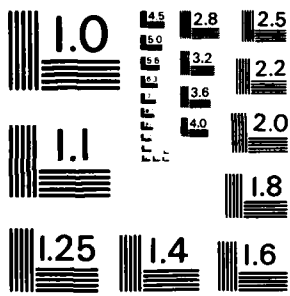
0600-0800

19.4	39.7	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.5	40.5	40.9	40.9
19.4	39.7	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.5	40.5	40.9	40.9
19.4	41.1	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.9	41.9	42.3	42.3
19.4	41.1	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.9	41.9	42.3	42.3
19.4	41.7	42.1	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.5	42.5	42.9	42.9
19.4	42.9	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.8	43.8	44.2	44.2
22.1	45.4	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.2	47.2	47.6	47.6
22.9	47.9	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	48.7	49.1	49.1
26.8	54.4	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.6	55.6
28.2	59.3	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.1	60.1	60.5	60.5
29.4	63.8	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6	65.0	65.0
32.5	68.7	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.9	69.9
33.3	70.8	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	72.0	72.0
35.0	77.1	77.9	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.7	78.7	79.1	79.1
35.2	77.9	78.7	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.6	79.6	79.8	79.8	80.2	80.2
35.6	80.0	81.0	81.2	81.8	81.8	81.8	81.8	81.8	82.2	82.2	82.2	82.2	82.4	82.4	82.8	82.8
36.0	82.8	83.8	84.3	85.5	85.5	85.5	85.5	85.9	85.9	86.3	86.3	86.3	86.5	86.5	86.9	86.9
36.0	82.8	83.8	84.3	85.5	85.5	85.7	86.5	86.5	86.9	86.9	86.9	86.9	87.1	87.1	87.5	87.5
36.0	83.2	84.3	84.7	85.9	85.9	86.1	86.9	86.9	87.3	87.3	87.3	87.3	87.5	87.5	87.9	87.9
36.2	84.0	85.1	85.7	87.5	87.7	88.1	89.0	89.0	89.4	89.4	89.4	89.4	89.6	89.6	90.0	90.0
36.2	84.0	85.1	85.7	87.5	87.7	88.1	89.0	89.0	89.4	89.4	89.4	89.4	89.6	89.6	90.0	90.0
36.2	84.3	85.3	85.9	87.7	87.9	88.3	89.6	89.6	90.2	90.2	90.2	90.2	90.4	90.4	90.8	90.8
36.2	84.7	85.7	86.3	88.1	88.3	88.8	90.2	90.2	90.8	90.8	90.8	90.8	91.0	91.0	91.4	91.4
36.2	84.9	85.9	86.5	88.5	89.0	89.4	90.8	90.8	92.0	92.0	92.0	92.0	92.2	92.2	92.6	92.6
36.2	84.9	85.9	86.5	88.5	89.0	89.4	90.8	90.8	92.0	92.0	92.0	92.0	92.2	92.2	92.6	92.6
36.2	85.1	86.1	86.7	88.8	89.2	89.6	91.2	91.2	92.4	92.4	92.4	92.4	92.6	92.6	93.0	93.0
36.2	85.3	86.3	86.9	89.2	89.6	90.2	91.8	91.8	93.0	93.0	93.0	93.0	93.5	93.5	93.9	93.9
36.2	85.7	86.7	87.5	90.0	90.4	91.0	92.6	92.6	94.3	94.5	94.5	94.5	94.9	94.9	95.3	95.3
36.2	85.7	86.9	87.7	90.2	90.8	91.4	93.0	93.0	94.7	94.9	94.9	94.9	95.5	95.5	95.9	95.9
36.4	86.3	87.5	89.0	91.6	92.2	92.8	94.5	94.5	96.1	96.3	96.3	96.3	97.1	97.1	97.8	98.0
36.4	86.7	87.9	89.4	92.2	92.8	93.5	95.1	95.1	96.9	97.3	97.3	97.3	98.2	98.2	98.8	99.6
36.4	86.7	87.9	89.4	92.2	92.8	93.5	95.3	95.3	97.1	97.5	97.5	97.5	98.4	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 889







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

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

772736 FT RICHARDSON AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

CEILING	26	24	22	20	18	16	14	12	10	8	6	4	2	0
17.2	33.9	34.1	34.7	35.2	35.2	35.2	35.2	35.2	35.2	35.6	35.8	35.8	36.0	36.0
17.4	34.3	34.5	35.2	35.6	35.6	35.6	35.6	35.6	35.6	36.2	36.4	36.4	36.6	36.6
17.4	34.9	35.2	35.8	36.2	36.2	36.2	36.2	36.2	36.2	36.8	37.0	37.0	37.2	37.2
18.0	36.4	36.8	37.4	37.8	37.8	37.8	37.8	37.8	37.8	38.4	38.6	38.6	38.8	38.8
18.4	36.8	37.2	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.8	39.0	39.0	39.2	39.2
19.4	38.2	38.6	39.2	39.6	39.6	39.6	39.6	39.6	39.6	40.2	40.4	40.4	40.6	40.6
21.8	42.0	42.4	43.0	43.6	43.6	43.6	43.6	43.6	43.6	44.2	44.4	44.4	44.6	44.6
23.8	44.6	45.1	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.9	47.1	47.1	47.3	47.3
27.5	50.7	51.1	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.9	53.1	53.1	53.3	53.3
32.1	58.0	58.4	59.0	60.0	60.0	60.0	60.2	60.2	60.2	60.8	61.0	61.0	61.2	61.2
32.7	60.6	61.0	61.6	62.6	62.6	62.6	62.8	62.8	62.8	63.4	63.6	63.6	64.0	64.0
34.5	64.6	65.1	65.7	66.7	66.7	66.7	66.9	66.9	66.9	67.5	67.7	67.7	68.3	68.3
35.2	66.9	67.3	67.9	68.9	68.9	68.9	69.1	69.1	69.1	69.7	69.9	69.9	70.5	70.5
36.8	74.1	75.2	76.2	77.6	77.6	77.6	78.0	78.0	78.0	78.6	78.8	78.8	79.4	79.4
37.6	76.0	77.2	78.2	79.6	79.6	79.6	80.0	80.0	80.0	80.6	80.8	80.8	81.4	81.4
37.6	76.6	77.8	78.8	80.4	80.4	80.4	80.8	81.0	81.0	81.6	81.8	81.8	82.4	82.4
38.2	78.8	80.2	81.6	83.6	84.0	84.0	84.2	84.2	84.2	84.8	85.1	85.1	85.7	85.7
38.6	79.6	81.4	83.0	85.1	85.5	85.5	85.7	85.7	85.7	86.5	86.7	86.7	87.3	87.3
38.6	79.6	81.4	83.0	85.3	85.7	85.7	85.9	85.9	86.1	86.9	87.1	87.1	87.7	87.7
38.6	80.0	82.0	83.8	86.3	86.9	86.9	87.1	87.3	87.5	88.3	88.7	88.7	89.3	89.3
38.6	80.2	82.2	84.0	86.5	87.1	87.1	87.5	87.7	87.9	88.7	89.1	89.1	89.7	89.7
38.8	80.8	82.8	84.6	87.1	87.7	87.7	88.1	88.7	88.9	90.5	91.1	91.1	91.7	91.7
38.8	80.8	82.8	84.6	87.1	87.7	87.7	88.1	88.7	88.9	90.5	91.1	91.1	91.7	91.7
38.8	80.8	82.8	84.6	87.1	87.7	87.7	88.1	88.7	88.9	90.5	91.1	91.1	91.7	91.7
38.8	81.0	83.0	84.8	87.3	87.9	87.9	88.3	88.9	89.1	91.1	91.7	91.7	92.3	92.3
38.8	81.0	83.0	84.8	87.3	87.9	87.9	88.3	88.9	89.1	91.1	91.7	91.7	92.3	92.3
38.8	81.2	83.2	85.1	87.5	88.1	88.1	88.5	89.1	89.3	91.3	91.9	91.9	92.7	92.7
38.8	81.6	83.6	85.7	88.3	88.9	88.9	89.3	89.9	90.1	92.1	92.7	92.7	93.7	93.7
38.8	81.6	83.6	85.7	88.3	88.9	88.9	89.3	89.9	90.1	92.3	92.9	92.9	93.9	93.9
38.8	81.8	83.8	85.9	89.1	89.7	89.7	90.1	90.9	91.1	93.3	93.9	93.9	95.2	95.2
38.8	81.8	83.8	85.9	89.3	89.9	89.9	90.3	91.1	91.3	93.5	94.1	94.1	96.2	96.2
38.8	81.8	83.8	85.9	89.3	89.9	89.9	90.3	91.1	91.3	93.5	94.5	94.5	96.8	96.8
38.8	81.8	83.8	85.9	89.3	89.9	89.9	90.3	91.1	91.3	93.5	94.5	94.5	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 495



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

7 2736 FT RICHARDSON AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

21.0	35.0	35.2	35.2	35.6	35.6	35.6	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.2	36.2
21.2	36.0	36.2	36.2	36.7	36.7	36.7	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.3	37.3
21.8	37.7	37.9	37.9	38.3	38.3	38.3	38.6	38.6	38.8	38.8	38.8	38.8	38.8	39.0	39.0
21.9	38.3	38.6	38.6	39.0	39.0	39.0	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.6	39.6
21.9	38.6	38.8	38.8	39.2	39.2	39.2	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.8	39.8
23.5	40.7	40.9	40.9	41.3	41.3	41.3	41.5	41.5	41.9	41.9	41.9	41.9	41.9	42.2	42.2
23.7	43.0	43.2	43.2	43.6	43.6	43.6	43.9	43.9	44.3	44.3	44.3	44.3	44.3	44.5	44.5
24.6	44.1	44.3	44.3	44.7	44.7	44.7	44.9	44.9	45.3	45.3	45.3	45.3	45.3	45.6	45.6
28.2	49.6	49.8	49.8	50.2	50.2	50.2	50.4	50.4	50.8	50.8	50.8	50.8	50.8	51.1	51.1
32.4	56.1	56.6	56.6	57.2	57.2	57.2	57.4	57.4	57.8	57.8	57.8	57.8	57.8	58.1	58.1
33.1	57.2	57.6	57.6	58.3	58.3	58.3	58.5	58.5	58.9	58.9	58.9	58.9	58.9	59.1	59.1
35.2	63.6	64.0	64.0	64.6	64.6	64.6	64.8	64.8	65.3	65.3	65.3	65.3	65.3	65.5	65.5
35.6	66.5	66.9	66.9	67.6	67.6	67.6	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.4	68.4
36.7	72.2	73.1	73.1	75.0	75.0	75.0	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.8	75.8
38.8	76.3	77.1	77.8	79.2	79.2	79.2	79.4	79.4	79.9	79.9	79.9	79.9	79.9	80.1	80.1
40.3	80.9	81.8	83.1	85.2	85.2	85.2	86.2	86.2	86.7	86.7	86.7	86.7	86.7	86.9	86.9
40.9	82.0	82.8	84.1	86.4	86.4	86.4	86.7	87.7	87.7	88.1	88.1	88.1	88.1	88.3	88.3
41.3	83.1	83.9	85.4	87.9	87.9	88.1	89.4	89.4	89.8	89.8	89.8	89.8	89.8	90.0	90.0
41.3	83.1	83.9	85.4	87.9	87.9	88.1	89.4	89.4	89.8	89.8	89.8	89.8	89.8	90.0	90.0
41.3	83.5	84.5	86.0	89.4	89.6	90.0	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.9	91.9
41.3	83.7	85.0	86.4	89.8	90.0	90.5	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.4	92.4
41.3	83.9	85.2	86.7	90.0	90.3	90.7	91.9	91.9	92.8	92.8	92.8	92.8	92.8	93.0	93.0
41.3	83.9	85.2	86.7	90.3	90.5	90.9	92.2	92.2	93.0	93.0	93.0	93.0	93.0	93.2	93.4
41.3	83.9	85.2	86.7	90.5	90.7	91.1	92.6	92.6	93.9	93.9	93.9	93.9	93.9	94.3	94.5
41.3	83.9	85.2	86.7	90.5	90.7	91.1	92.6	92.6	93.9	93.9	93.9	93.9	93.9	94.3	94.5
41.3	84.3	85.6	87.1	90.9	91.1	91.5	93.0	93.0	94.3	94.3	94.3	94.3	94.3	94.7	94.9
41.9	85.6	86.9	88.3	92.2	92.4	92.8	94.3	94.3	96.0	96.0	96.0	96.0	96.0	96.4	96.6
42.4	86.2	87.5	89.0	92.8	93.0	93.4	94.9	95.1	96.8	96.8	96.8	96.8	96.8	97.2	97.5
42.4	86.2	87.5	89.0	93.0	93.2	93.6	95.1	95.3	97.5	97.7	97.7	97.7	97.7	98.1	98.3
42.4	86.2	87.5	89.0	93.0	93.2	93.6	95.1	95.3	97.7	98.1	98.1	98.1	98.1	98.5	98.9
42.4	86.2	87.5	89.0	93.0	93.2	93.9	95.3	95.6	97.9	98.3	98.3	98.3	98.3	98.9	99.8
42.4	86.4	87.7	89.2	93.2	93.4	94.1	95.6	95.8	98.1	98.5	98.5	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 472

2

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

712736 FT RICHARDSON AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

STATUTE MILES

	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1			
18.5	36.3	36.6	36.6	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	
19.0	36.8	37.0	37.0	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	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
19.9	38.1	38.4	38.4	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	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
19.9	38.8	39.1	39.1	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
19.9	38.8	39.1	39.1	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
21.2	40.2	40.4	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
22.8	43.8	44.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
23.3	44.9	45.1	45.1	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
25.3	49.4	49.9	49.9	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
29.8	55.5	56.2	56.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
30.7	57.8	58.5	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
33.6	63.4	64.1	64.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
34.8	66.8	67.5	67.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
35.9	74.0	75.2	75.4	76.5	76.5	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
36.6	76.3	77.4	77.7	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
38.1	79.7	82.4	83.1	84.9	84.9	85.1	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
38.6	81.0	84.0	84.7	86.5	86.5	86.9	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
39.1	82.8	86.0	86.9	88.7	89.2	89.6	90.7	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
39.1	82.8	86.0	86.9	89.2	89.6	90.3	91.4	91.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
39.1	82.8	86.0	86.9	89.2	89.6	90.7	91.9	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
39.1	82.8	86.0	86.9	89.4	90.1	91.4	92.6	92.6	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
39.1	83.1	86.2	87.1	89.6	90.3	91.9	93.0	93.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
39.1	83.1	86.2	87.1	89.6	90.3	91.9	93.0	93.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
39.1	83.3	86.5	87.4	90.3	91.0	92.6	93.7	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
39.1	83.7	86.9	87.8	90.7	91.4	93.0	94.1	94.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
39.5	84.9	88.0	88.9	92.1	92.8	94.4	96.2	96.2	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
39.5	84.9	88.3	89.4	92.6	93.2	95.0	96.8	96.8	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	98.6	98.6	98.6
39.5	85.1	88.5	89.6	92.8	93.5	95.3	97.1	97.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
39.5	85.1	88.5	89.8	93.0	93.9	95.7	97.5	97.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
39.5	85.1	88.5	89.8	93.0	93.9	95.7	97.5	97.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 443

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 2736 FT RICHARDSON AK

77-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
19.1	35.7	36.0	36.2	36.6	36.6	36.6	36.7	36.7	36.9	36.9	36.9	37.1	37.1	37.3	37.4						
19.4	36.2	36.6	36.8	37.1	37.1	37.2	37.3	37.3	37.5	37.5	37.5	37.7	37.7	37.9	37.9						
19.9	37.7	38.0	38.2	38.5	38.5	38.6	38.7	38.7	38.9	38.9	38.9	39.1	39.1	39.3	39.4						
20.1	38.3	38.7	38.9	39.2	39.2	39.3	39.4	39.4	39.6	39.6	39.6	39.8	39.8	40.0	40.1						
20.3	38.9	39.2	39.5	39.8	39.8	39.8	40.0	40.0	40.2	40.2	40.2	40.3	40.3	40.6	40.7						
21.6	40.8	41.1	41.4	41.7	41.7	41.8	41.9	41.9	42.1	42.1	42.1	42.3	42.3	42.5	42.6						
23.4	44.3	44.7	44.9	45.3	45.3	45.4	45.5	45.5	45.7	45.7	45.7	45.9	45.9	46.2	46.3						
24.5	46.0	46.3	46.6	47.0	47.0	47.0	47.1	47.1	47.4	47.4	47.4	47.5	47.5	47.9	48.0						
27.9	51.9	52.3	52.5	52.9	52.9	53.0	53.1	53.1	53.3	53.3	53.3	53.5	53.5	53.8	53.9						
31.4	58.3	58.8	59.0	59.5	59.5	59.7	59.8	59.8	60.0	60.0	60.0	60.2	60.2	60.5	60.6						
33.0	61.2	61.7	61.9	62.5	62.5	62.6	62.7	62.7	62.9	63.0	63.0	63.1	63.2	63.4	63.6						
35.5	66.0	66.5	66.7	67.3	67.3	67.4	67.5	67.5	67.8	67.8	67.8	68.0	68.0	68.4	68.5						
36.4	68.9	69.4	69.6	70.3	70.3	70.4	70.5	70.5	70.7	70.8	70.8	71.0	71.0	71.3	71.4						
37.5	75.1	76.1	76.7	77.6	77.7	77.8	78.0	78.0	78.2	78.3	78.3	78.5	78.5	78.8	78.9						
38.5	77.2	78.3	78.9	79.9	80.0	80.1	80.3	80.3	80.5	80.6	80.6	80.8	80.8	81.1	81.2						
39.3	79.9	81.3	82.1	83.5	83.6	83.9	84.4	84.4	84.8	84.9	84.9	85.1	85.1	85.4	85.5						
39.8	81.6	83.1	84.1	85.7	85.8	86.2	86.8	86.8	87.2	87.3	87.3	87.5	87.5	87.8	87.9						
40.1	82.4	84.1	85.1	87.0	87.1	87.6	88.3	88.3	88.8	88.9	88.9	89.2	89.2	89.5	89.6						
40.1	82.6	84.3	85.3	87.2	87.4	87.9	88.5	88.6	89.1	89.2	89.2	89.5	89.5	89.8	89.9						
40.1	83.1	84.8	86.0	88.3	88.6	89.2	89.9	90.0	90.5	90.7	90.7	90.9	91.0	91.2	91.3						
40.1	83.2	85.1	86.2	88.6	88.9	89.6	90.3	90.4	91.0	91.1	91.1	91.3	91.4	91.6	91.8						
40.2	83.4	85.2	86.4	88.9	89.2	90.0	91.0	91.1	91.9	92.1	92.1	92.3	92.4	92.7	92.8						
40.2	83.5	85.3	86.5	89.0	89.3	90.1	91.1	91.2	92.1	92.3	92.3	92.5	92.6	92.9	93.0						
40.2	83.6	85.4	86.6	89.2	89.5	90.4	91.4	91.5	92.6	92.8	92.8	92.8	93.2	93.3	93.6	93.7					
40.2	83.6	85.5	86.6	89.3	89.6	90.5	91.5	91.6	92.8	93.0	93.0	93.3	93.4	93.7	93.8						
40.2	83.9	85.7	86.9	89.6	89.9	90.8	91.9	92.0	93.1	93.4	93.4	93.8	93.9	94.2	94.3						
40.3	84.4	86.3	87.5	90.3	90.6	91.5	92.7	92.8	94.2	94.4	94.4	94.9	95.1	95.4	95.5						
40.5	84.9	86.8	88.0	90.9	91.2	92.1	93.4	93.6	95.2	95.4	95.4	95.9	96.1	96.4	96.7						
40.5	85.0	87.0	88.2	91.3	91.6	92.6	93.9	94.1	95.7	96.1	96.1	96.7	96.8	97.2	97.5						
40.5	85.1	87.2	88.6	91.7	92.1	93.1	94.4	94.6	96.4	96.9	96.9	97.7	97.8	98.4	98.9						
40.5	85.2	87.2	88.7	91.9	92.3	93.3	94.6	94.8	96.7	97.3	97.3	98.2	98.3	99.0	99.8						
40.5	85.3	87.3	88.8	92.0	92.4	93.4	94.7	94.9	96.8	97.4	97.4	98.3	98.4	99.1100.0							

TOTAL NUMBER OF OBSERVATIONS 2610





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



CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SKY COVER

162736 FT RICHARDSON AK 77-82 FEB  
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.			
		0	1	2	3	4	5	6	7	8	9			10		
FEB	00-02															
	03-05	29.4			12.5						22.5	35.6	6.0	16.0		
	06-08	21.0			18.6						25.0	35.4	6.3	40.4		
	09-11	16.9			24.3						23.1	35.7	6.4	42.7		
	12-14	20.1			19.9						27.7	32.2	6.3	42.2		
	15-17	19.9			16.7						30.0	33.4	6.5	41.3		
	18-20	24.1			19.8						23.8	32.4	6.0	34.9		
	21-23															
TOTALS		21.9			18.6								25.4	34.1	6.3	214.8

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AF WEATHER SERVICE/MAC

SKY COVER

702736 STATION    FT RICHARDSON AK    77-82 PERIOD    MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS			
		0	1	2	3	4	5	6	7	8	9			10		
MAR	00-02															
	03-05	15.5			18.1							26.1	40.3	6.9	226	
	06-08	7.7			23.6							33.9	37.8	7.4	519	
	09-11	8.4			19.6							32.5	39.5	7.5	526	
	12-14	6.9			21.4							34.9	36.8	7.5	524	
	15-17	7.0			23.8							35.8	36.4	7.5	514	
	18-20	9.6			21.4							33.7	35.3	7.2	481	
	21-23															
TOTALS		9.2			20.3							32.8	37.7	7.3	2780	



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SKY COVER

70-736 STATION FI RICHARDSON AK 77-82 PERIOD MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS					
		0	1	2	3	4	5	6	7	8	9			10				
MAY	00-02																	
	03-05				17.0							48.2	39.8	8.3		276		
	06-08	.4			19.7							43.4	36.5	8.1		498		
	09-11	.6			16.9							45.6	36.9	8.3		498		
	12-14	.4			15.3							49.0	35.3	8.8		498		
	15-17	.6			15.4							48.9	39.1	8.8		484		
	18-20	.6			17.1							48.2	38.1	8.3		462		
	21-23																	
TOTALS		.4			16.9							45.9	36.8	8.3		2718		

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

7-0736  
STATIONFT RICHARDSON AK  
STATION NAME

77-82

PERIOD

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.			
		0	1	2	3	4	5	6	7	8	9			10		
JUL	00-02															
	03-05				13.9							43.4	42.7	8.6	295	
	06-08	1.2			17.1							37.1	44.7	8.3	515	
	09-11	.6			19.2							34.1	46.1	8.3	516	
	12-14				18.2							36.8	45.0	8.4	516	
	15-17				17.5							41.5	40.9	8.4	508	
	18-20				15.0							47.0	38.0	8.5	492	
	21-23															
TOTALS		.3			15.8							40.0	42.9	8.4	2642	

2  
1  
GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SKY COVER

7 736 STATION FT RICHARDSON AK 77-82 PERIOD JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS			
		0	1	2	3	4	5	6	7	8	9			10		
JUL	05-07															
	08-05				13.3						32.9	48.8	8.4	289		
	06-08	2.3			10.0						33.9	48.7	8.4	513		
	09-11	1.2			15.7						31.6	51.6	8.5	510		
	12-14				17.2						33.7	49.1	8.5	511		
	15-17	.4			15.4						38.4	45.8	8.5	500		
	18-20	.6			13.7						40.3	45.4	8.6	476		
	21-23															
TOTALS		.8			15.9						35.1	48.2	8.5	2789		







10  
GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

### SKY COVER

7 2736 STATION FI RICHARDSON AK 77-82 PERIOD GCI MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
GCI	70-02													
	03-05	11.1			12.5						24.3	52.1	7.8	280
	06-08	4.8			17.4						33.5	51.8	8.5	532
	09-11	3.2			17.0						29.5	57.3	8.7	501
	12-14	2.6			13.1						23.6	55.8	8.5	504
	15-17	1.4			15.9						29.0	53.6	8.5	496
	18-20	3.6			17.7						22.5	56.2	8.2	475
	21-23													
TOTALS		4.5			13.3						27.9	58.8	8.4	2759

2

GLOBAL CLIMATOLOGY BRANCH  
SAFETAC  
AIR WEATHER SERVICE/MAC

**SKY COVER**

7-736 STATION     FT RICHARDSON AK STATION NAME     77-82 PERIOD     NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS			
		0	1	2	3	4	5	6	7	8	9	10					
NOV	00-02																
	03-05	13.3			13.8						18.3	58.6	7.5	218			
	06-08	7.5			13.6						23.1	55.8	8.1	469			
	09-11	4.7			16.2						26.0	53.1	8.1	469			
	12-14	4.9			19.1						30.7	45.3	7.9	472			
	15-17	6.1			20.8						25.3	47.8	7.7	462			
	18-20	13.9			17.3						12.8	56.1	7.3	486			
	21-23																
	TOTALS	3.4			16.8							22.7	52.1	7.8	2531		



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SKY COVER

7 2736 STATION FT RICHARDSON AK 77-82 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	11.9			18.9						26.3	43.1	7.2	2106
FEB		21.9			16.6						25.4	38.1	6.3	2162
MAR		9.2			20.3						32.8	37.7	7.3	2190
APR		7.0			22.2						33.3	37.6	7.9	2658
MAY		.4			16.9						45.9	36.8	8.3	2718
JUN		.3			16.8						40.0	42.9	8.8	2882
JUL		.8			15.9						35.1	48.2	8.5	2799
AUG		1.8			23.4						36.0	38.9	7.8	2909
SEP		2.9			22.3						30.4	46.5	8.0	2689
OCT		4.5			13.3						27.9	58.8	8.8	2758
NOV		8.4			16.8						22.7	52.1	7.8	2531
DEC		12.9			16.6						24.7	43.8	7.2	2585
TOTALS		6.8			18.5						31.7	43.0	7.7	31553

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 ( $\sigma X$ ). 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.



2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 27451 FT RICHARDSON AK  
 STATION STATION NAME

77-82

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85							3.1	3.6					3.9
75							7.5	3.5					4.4
70					3.2	11.0	19.4	14.8					12.8
65					7.1	22.3	50.6	43.8	7.7				24.0
60				.7	18.6	60.0	82.5	75.7	25.6				35.3
55				2.6	50.0	90.9	97.5	94.7	58.7	1.9			46.0
50			.6	28.9	87.7	100.0	100.0	100.0	97.1	13.8	1.3	.7	53.3
45	3.5	1.6	10.6	54.6	99.4				96.8	30.0	6.6	3.3	62.5
40	8.8	13.1	36.0	83.6	100.0				100.0	55.0	13.2	6.7	69.7
35	15.9	28.7	60.9	94.1						72.5	22.5	11.3	77.8
30	24.8	47.5	86.3	96.7						90.6	43.7	16.0	83.2
25	33.6	63.1	94.4	100.0						93.1	62.3	28.7	87.7
20	49.6	73.8	98.1							96.9	77.5	39.3	91.9
15	61.1	82.8	100.0							99.4	93.4	53.3	95.2
10	78.8	92.6								100.0	98.7	65.3	97.1
5	89.4	97.5									99.3	75.3	98.6
0	94.7	99.2									100.0	88.0	99.5
-5	98.2	100.0										95.3	99.8
-10	100.0											97.3	100.0
-15												100.0	
MEAN	20.0	27.1	35.2	44.8	55.4	61.8	64.8	63.9	55.9	39.6	28.1	15.8	42.6
S.D.	12.986	11.325	6.927	6.433	5.569	5.576	5.882	5.862	5.719	8.831	9.738	14.097	18.671
TOTAL OBS	113	122	161	152	154	164	160	169	155	160	151	150	1811

USAFETAC FORM 0215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 24451 FT RICHARDSON AK  
 STATION STATION NAME

77-82

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65					.6	6.1	20.6	48.5	7.1				3.5
60					2.6	36.0	80.6	88.5	7.1				15.7
55					16.7	84.1	99.4	79.3	36.1	1.3	1.3		23.5
50		.8	1.9		57.1	98.2	100.0	95.3	67.1	13.8	3.3	.7	39.0
45	1.8	2.5	6.8	17.8	84.4	100.0		100.0	81.3	34.4	7.3	2.7	47.6
40	3.5	4.9	10.6	30.9	91.6				85.2	40.0	8.6	4.0	51.0
35	7.1	12.3	16.1	48.0	97.4				96.1	59.4	13.9	5.3	57.3
30	15.0	26.2	44.1	71.7	100.0				99.4	78.1	28.5	9.3	66.9
25	25.7	41.0	64.0	88.8					100.0	88.1	44.4	22.0	75.1
20	36.3	53.3	75.8	95.4						93.6	57.6	33.3	80.5
15	46.9	62.3	83.2	98.0						94.4	73.5	41.3	84.9
10	58.4	68.9	90.7	100.0						96.9	81.5	51.3	88.6
5	69.9	73.0	94.4							97.5	89.4	60.0	91.4
0	82.3	81.1	98.8							98.1	98.7	70.0	94.8
-5	88.5	88.5	100.0							100.0	100.0	80.7	95.9
-10	94.7	93.4										91.3	98.5
-15	99.1	99.2										96.7	99.6
-20	100.0	100.0										99.3	99.9
-25												100.0	100.0
-30													
MEAN	8.3	12.0	20.8	27.9	39.9	48.1	52.1	48.9	41.3	29.5	16.8	5.3	29.2
S.D.	14.4	16.0	10.5	7.0	5.2	3.8	2.9	4.7	6.7	10.2	11.9	15.3	18.5
TOTAL OBS	113	122	161	152	154	164	160	169	155	160	151	150	1811

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 21461 FT RICHARDSON AK  
 STATION STATION NAME

77-82

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65					.6	.6	3.8	2.4					.7
60					1.9	18.3	39.4	23.1	.6				7.5
55					9.1	51.2	90.6	73.4	11.6				21.3
50				.7	29.9	93.3	100.0	97.0	51.6	1.3			33.5
45			1.2	6.6	79.2	100.0		100.0	81.9	11.3	3.3	.7	43.0
40	2.7	2.5	7.5	35.5	98.1				92.3	34.4	7.3	2.7	51.3
35	8.8	14.8	24.2	66.4	100.0				99.4	50.0	13.2	6.0	59.5
30	15.0	30.3	52.8	88.8					100.0	81.9	24.5	10.7	69.6
25	23.9	45.9	71.4	96.1						85.4	43.7	18.7	76.4
20	35.4	58.2	85.7	98.0						91.9	64.9	30.7	82.3
15	48.7	66.4	91.9	100.0						96.3	75.5	41.3	86.6
10	59.3	73.0	97.5							97.5	85.4	52.0	90.0
5	77.9	82.0	100.0							99.4	97.4	64.7	94.2
0	84.1	89.3								100.0	99.3	72.0	95.9
-5	92.9	96.7									100.0	84.0	98.0
-10	97.3	100.0										92.7	99.2
-15	99.1											96.7	99.7
-20	100.0											99.3	99.9
-25												100.0	100.0
MEAN	14.3	19.7	28.7	36.7	47.9	55.1	58.7	56.7	48.9	34.8	22.7	10.7	36.2
S D	13.60	13.469	8.305	6.141	4.607	4.034	3.392	3.727	5.377	9.190	10.595	14.790	18.396
TOTAL OBS	113	122	161	152	154	164	160	169	155	160	151	150	1811

2

FEDERAL BUREAU OF INVESTIGATION  
 U.S. DEPARTMENT OF JUSTICE  
 AIR WEATHER SERVICE/HAS

**PSYCHROMETRIC SUMMARY**

736      FREDRICHSON AFB      75-80      JAN  
 STATION      STATION NAME      YEARS      MONTH  
 PAGE 1      0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	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		.7	.7																														2	2	1		
47/41		.7																															2	2	1		
47/37			0.6																														4	4	1		
47/35			1.3	.7																													3	3	1		
47/33			1.6																														4	4	1		
47/31		.7	1.3																														3	3	6		
47/29		.7	2.6																														5	5	2		
47/27			1.9																														6	6	2		
47/25			2.0																														3	3	5		
47/23		.7	2.6																														5	5	2		
47/21	2.6	3.3																															9	9	6		
47/19	3.0	3.0																															15	15	10		
47/17	.7	3.3																															6	6	12		
47/15	3.3	2.0																															7	8	8		
47/13	2.7	3.9																															9	9	7		
47/11	1.3	3.3																															7	7	7		
47/9	1.3	5.3																															10	10	9		
47/7	1.3	2.6																															6	5	3		
47/5	2.0	1.3																															3	3	3		
47/3	2.6	1.3																															6	6	3		
47/1	4.6	.7																															8	9	17		
47/-1	4.6																																7	7	8		
47/-3	3.3																																5	5	9		
47/-5	2.7																																1	1	1		
47/-7	1.3																																2	2	2		
47/-9	1.3																																2	2	2		
47/-11	3.3																																5	5	4		
47/-13																																			1		1
47/-15	2.0																																3	3	1		
47/-17	.7																																1	1	5		
47/-19	1.3																																2	2			
47/-23																																			3		3
47/-25																																			1		1

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE / IAC

# PSYCHROMETRIC SUMMARY

738 STATION FT. RICHMOND, VA 7-81 YEARS MONTH JAN  
 STATION STATION NAME HOURS (L. S. T.)

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

USAFETAC FORM 0-26.5 (OL A) WEATHER SERVICE BRANCH OF THE NATIONAL OBSERVATORY

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	5775.1	116.49	76.61	1.213	152							
Dry Bulb	5777.6	117.3	77.5	1.276	152	17.1	53.5					23
Wet Bulb	5236.4	112.4	74.27	1.424	152	17.7	46.7					23
Dew Point	430.2	12.2	8.114	1.9	152	27.5	69.9					23

2

FEDERAL CLIMATOLOGY BRANCH  
 WETBAC  
 AIRCRAFT SERVICE/AC

**PSYCHROMETRIC SUMMARY**

738 F. RICHARDSON AK 77-62 JAN 1960-1960  
 STATION STATION NAME YEARS MONTH 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	HOURS (L.S.T.)																
47		.3																															1	1			
47		.5																																2	2	1	1
47		.5																																3	3	4	4
47		.5			.5																													4	4	5	5
47		1.0			.5																													5	5	7	1
47		1.0			.5																													6	6	10	6
47		1.0			.5																													7	7	10	7
47	.5	1.5			.5																													15	15	14	15
47	.5	1.6			.9																													12	13	13	13
47		4.0																																18	19	9	-
47		4.3																																18	19	27	5
47	.5	3.8																																11	17	17	9
47	1.0	2.4		.5																														16	19	15	10
47	.5	5.6																																27	28	17	26
47	.5	4.3																																18	19	17	13
47	1.0	4.7																																11	21	28	14
47	.5	2.7																																12	12	6	25
47	2.0	3.0																																22	22	16	27
47	1.0	3.0																																17	17	24	17
47	.5	3.0			.5																													15	16	12	8
47	1.0	1.9																																11	11	19	15
47	1.0	1.9																																12	12	14	8
47	2.0	1.3																																17	17	15	25
47	3.0	3.0																																17	17	11	16
47	4.0	3.0																																15	15	16	16
47	1.0																																	5	5	5	11
47	1.0																																	11	12	12	11
47	1.0																																	7	7	7	17
47	1.0																																	7	7	7	11
47	1.0																																	5	5	5	4
47	1.0																																	5	5	5	10
47	1.0																																	5	5	5	6
47	1.0																																	5	5	5	6
Element (X)	Σ X <sup>2</sup>	Σ X	X	X <sup>2</sup>	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 (O/L A) REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1  
2  
3

FEDERAL CLIMATOLOGY BRANCH  
 WFFAC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

736 FT. HICKMAN, SOV. AR. 77-0' 1955  
 STATION STATION NAME YEARS MONTH

1955 06-01-06-30  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
7-01																		1	1	1	1														
7-02																																			
7-03																																			
7-04																																			
7-05																																			
7-06																																			
7-07																																			
7-08																																			
7-09																																			
7-10																																			
7-11																																			
7-12																																			
7-13																																			
7-14																																			
7-15																																			
7-16																																			
7-17																																			
7-18																																			
7-19																																			
7-20																																			
7-21																																			
7-22																																			
7-23																																			
7-24																																			
7-25																																			
7-26																																			
7-27																																			
7-28																																			
7-29																																			
7-30																																			
7-31																																			
TOTAL	36	57	8	4	5													270	372	372	372														

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Rel. Hum.	25232.2	29792	73.8	11.351	372							372
Dry Bulb	167720	5663	14.8	14.316	372	17.7	62.7					80.4
Wet Bulb	142567	10.81	13.8	14.173	372	1.2	4.2					5.4
Dew Point	117786	32.00	8.7	15.522	372	27.2	88.5					115.7





2

CENTRAL CLIMATOLOGY BRANCH  
AFSTAC  
WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

734 STATION FT. RAO ANSON AFB STATION NAME 77-67 YEARS MONTH JAN

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		
7-21																																							
7-25																																							
TOT	3	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

USAFETAC FORM 0265 (O.A.) 48-10 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature				Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$		$\leq 80 F$
Rel. Hum.	5546.70	31542	70.11367		402						
Dry Bulb	12271	6840	16.9655		421	13.0	01.1				23
Wet Bulb	15964	6702	15.9266		400	14.0	63.0				92
Dew Point	129523	4167	10.414682		402	26.7	89.7				93

2  
 FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/AC

# PSYCHROMETRIC SUMMARY

STATION: FT. RICHARDSON, AK      YEARS: 77-87      MONTH: JAN  
 PAGE: 1      HOURS (L. S. T.): 1000-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
47																																			1	1			
46																																			2	2			
45																																			2	2	4		
44																																			2	2	1	2	
43																																			1	2	2	3	
42																																			9	9	2	2	
41																																			6	6	3	2	
40																																			22	27	15	8	
39																																			37	37	23	21	
38																																			19	25	16	25	
37																																			15	19	19	17	
36																																			24	27	16	19	
35																																			15	18	13	11	
34																																			22	37	27	16	
33																																			10	28	21	36	
32																																			14	18	12	11	
31																																			22	22	17	22	
30																																			1	23	15	14	
29																																			25	23	16	13	
28																																			18	19	15	23	
27																																			17	17	15	21	
26																																			12	13	12	7	
25																																			15	12	15	15	
24																																			17	17	15	9	
23																																			10	15	11	16	
22																																			4	4	6	7	
21																																			4	4	5	11	
20																																			4	4	5	4	
19																																			2	3	3	0	
18																																					7	7	
17																																				1	1	1	2
16																																						2	2
15																																						4	4
14																																						5	5

USAFETAC FORM 0 265 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_n$	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												





FEDERAL BUREAU OF METEOROLOGY  
 METEOROLOGICAL CLIMATOLOGY BRANCH  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

736 FT. RICHARDSON AK 77-51  
 STATION STATION NAME YEARS  
 MONTH 10 1964

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						
1-20																																								
1-27																																								
1-29																																		1						
1-35																																		1						
1-40																																		1						
TOT	27	59	5	2	2	1	5																																412	412

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0\text{ F}$	$\leq 32\text{ F}$	$\leq 67\text{ F}$	$\leq 73\text{ F}$	$\leq 80\text{ F}$	$\leq 93\text{ F}$	
Rel. Hum.	2398.251	3.157	77.2	13.173	391							93
Dry Bulb	1284.58	728	17.7	13.35	412	11.2	63.7					93
Wet Bulb	16371	6313	16.1	12.587	391	11.4	85.6					93
Dew Point	1339.1	4313	11.0	14.577	391	22.5	89.2					93

USAFETAC FORM 0-265 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CENTRAL CLIMATOLOGY BRANCH  
 AFSAFETAC  
 AIR FATHER SERVICE/AC

**PSYCHROMETRIC SUMMARY**

736 FT. RICHARDSON AFB 77-90  
 STATION STATION NAME YEARS MONTH  
 1966-1967 HOURS (L.S.T.)

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			
/-24																																								1
/-33																																								1
/-35																																								1
/-37																																								1
/-39																																								1
/-41																																								1
TAL	40.7	51.3	7.1																																				739	
																																								339

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	2035.45	25473	76.313	432	339							
Dry Bulb	142957	4597	14.214	224	339	16.0	54.5					73
Wet Bulb	120257	4340	12.813	213	339	10.0	37.0					23
Dew Point	107813	2505	7.416	255	339	31.7	89.4					23

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: FT RICHARDSON AK      YEARS: 77-82      MONTH: JAN

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														
47			.1															4	4																
45			.1	.3														11	12	1															
43			.3	.3	.2													19	19	9	1														
41			.1	.5	.2	.3												27	29	14	6														
39			.2	.2	.1	.1												17	14	13	10														
37			1.0	.8	.1													35	35	25	8														
35			1.8	.6														49	55	36	19														
33			.7	2.2	.5													70	71	71	35														
31			1.1	4.2	.5													126	130	89	95														
29			1.4	1.8	.4													73	84	112	77														
27			.7	3.1														79	91	81	73														
25			.2	4.0	.2													92	106	87	72														
23			.5	3.3	.2													89	104	117	39														
21			1.4	3.7	.3													120	130	117	65														
19			2.2	5.1	.1													152	157	145	159														
17			.6	3.5	.1													86	87	76	95														
15			.7	3.9	.1													98	98	106	122														
13			1.3	3.4														87	97	68	98														
11			2.1	3.3	.2													115	115	117	77														
9			1.1	3.5	.1													87	97	119	88														
7			.6	3.2														80	80	84	86														
5			1.3	1.3														84	54	92	38														
3			2.4	1.4														77	77	74	62														
1			2.8	2.8														99	99	97	164														
-1			2.7	.3														86	66	77	88														
-3			2.2	.1														49	49	55	73														
-5			1.5	.1														33	33	32	65														
-7			1.9															40	40	42	46														
-9			1.4															28	28	28	48														
-11			1.2															24	24	24	49														
-13			.6															13	13	13	15														
-15			.7															15	15	15	37														
-17			.6															12	12	12	23														
-19			.5															11	11	11	35														
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	F <sub>X</sub>	No. Obs.	Moon No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 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



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT. RICHARDSON AK 77-60 JA  
 STATION STATION NAME YEARS MONTH  
 PAGE 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		
7-1	.1																																					14
7-23																																						3
7-25																																					1	
7-27																																						
7-29																																						
7-33																																						
7-35																																						4
7-37																																						1
7-39																																						1
7-51																																						1
TOTAL	35.7	57.3	5.9	.8	.0																														2054	2054	2054	744
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																											
Ref. Hum.	127355.6	159562	77.7	12.29	2054	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																										
Dry Bulb	977262	35102	16.4	13.698	2133	102.7	660.8					744																										
Wet Bulb	17916	30770	15.0	13.186	2054	112.7	682.8					744																										
Dew Point	669652	20568	10.0	15.729	2054	197.4	715.4					744																										

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

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7736 FI RICHARDSON AK 77-82 FEB 1960-0900  
 STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point					
40																		1	1						
43																		1	1						
41																		3	3						
37			.6	1.3														3	3	3					
35		.6	1.3															3	3	3					
33				.6	1.3													7	7	4					
31		1.3	1.9	1.3														6	9	4					
29		1.9	2.5															7	7	7					
27		.6	4.4															6	8	5					
25		1.9	3.1	.6														9	9	8					
23		1.3	6.2															13	13	6					
21		1.9	1.3															5	5	9					
17		2.5	6.2															14	14	12					
15			4.4															7	7	8					
13		.6	3.1															6	6	9					
11		.6	1.9															4	4	5					
9			2.5	1.3														6	6	10					
7			1.9															3	3	7					
5			.6															1	1	1					
3			.6															1	1	1					
1	1.3	1.3																4	4	4					
-1	.6																	4	4	2					
-3	3.1																	5	5	2					
-5	3.1																	5	5	2					
-7	3.8																	6	6	4					
-9	3.0																	8	8	7					
-11	3.7																	6	6	5					
-13																				2					
-15	.6																	1	1	0					
-17	1.9																	3	3	3					
-19	3.1																	5	5	4					
-21																				5					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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NATIONAL CLIMATOLOGY BRANCH  
WETBULB TEMPERATURE DEPRESSION (F)  
METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION NO. 730 STATION NAME FT. RICHARDSON, AK YEARS 77-8 MONTH FEBRUARY HOURS U.S.T. 151

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			
/-00																																					
/-01																																					
/-02																																					
/-03																																					
/-04																																					
/-05																																					

USAFETAC FORM 0265 (OLA) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX'	ΣX	R	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F		= 93 F
Rel. Hum.	16673	11-17	74,513,524		167							
Dry Bulb	70517	24.1	15,016,746		167	22	73					94
Wet Bulb	72582	27.44	14,016,76		167	23	76					94
Dew Point	67445	17.11	6,218,951		167	28	72					94

1  
2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
FATHER STEWICZAK

PSYCHROMETRIC SUMMARY

756 FT. ICHAMBOU AK 77-80 YEARS 85 MONTH

PAGE 1 1950-1950  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
41		.2	.2															5	5																
42			.7	.2														4	4	5															
43		.5	1.0	.2														5	6		1														
44			1.7															9	9	6	1														
45	.7	1.7	.2															6	6	11	4														
46	.7	1.7	.5															12	12	15	4														
47	.2	3.2	1.2															16	16	12	2														
48	1.2	3.2	.7															16	16	12	2														
49		.7	.2															12	12	15	2														
50		2.4	.2															16	16	19	1														
51	1.7	4.4	1.2															22	25	22	13														
52	1.7	2.2	.2															17	17	22	7														
53	1.2	1.7	.5															14	14	17	24														
54	1.4	5.4																40	40	38	23														
55	.7	3.7																17	17	20	13														
56	.7	2.7																14	14	17	17														
57	.7	2.5																13	17	16	1														
58	1.2	2.5	.2															16	16	17	25														
59	.2	3.2																14	14	14	14														
60		.7																3	7	11	4														
61		1.7																4	4	4	4														
62	.7	1.4																7	7	10	4														
63	2.2	1.7																13	13	13	13														
64	2.2	1.3																11	11	10	7														
65	2.4	.5																11	10	16	7														
66	2.5																	10	13	13	14														
67	2.5																	16	16	16	16														
68	2.4																	14	14	14	13														
69	2.5																	8	8	6	4														
70	2.7																	5	3	5	2														
71	2.3																	12	12	12	2														
72	2.1																	6	6	5	6														
73	1.1																	4	5	4	17														
74	2.2																	1	1	1	7														

Element (X)	Σ X'	Σ X	X	σ <sub>a</sub>	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 0 265 (OL A) (REV. 11-15-50) (GPO: 1950 O-265-001)





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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 7336 FT RICHARDSON AK YEARS 77-82 MONTH \_\_\_\_\_  
STATION NAME STATION NUMBER MONTH

PERIOD 6900-1100  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point																
77-82																																					
77-21																																					
77-27																																					
77-29																																					
TOTAL	22	25	61	76	92	98	58	8									424	424	424	424																	

USAFETAC FORM 0-26.5 (O.L.A.) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2526819	30759	72.5	14.539	424							424
Dry Bulb	257553	8610	20.3	14.227	424	1	68					74
Wet Bulb	223143	7919	18.7	13.341	424	1	71					84
Dew Point	174099	5225	12.5	16.243	424	2	77					84

2

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 AIR FORCE ENGINEERING SERVICE CENTER

**PSYCHROMETRIC SUMMARY**

STATION: 73c FT. RICHARDSON, AK STATION NAME: 77-87 YEARS: MONTH: DATE: 1 10-1960 HOURS (L. S. T.):

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
47			.2															1	1																
46				.1														2	2																
45			.2	.6	1.6													10	10	1															
41				1.6	.5	.2												16	16	2	1														
37	.2	.5	3.5	.2														19	19	12	1														
37	.5	1.6	1.4	.7														13	13	27	3														
35	.5	3.6	3.1	.2														28	28	24	1														
33	.2	2.1	2.3															3	22	27	24														
31	2.6	6.1	3.3	.7														14	34	32	40														
27	.2	2.6	3.3															16	25	23	22														
27	.2	4.9	.3	.4														17	27	25	12														
25	.5	3.3	.7	.2														10	20	42	22														
23	.5	3.1	.9															14	19	24	15														
21	.7	1.9	3.8															22	22	18	20														
17	.7	1.7	2.6															12	20	17	40														
17		1.4	1.4															12	12	25	11														
17	.5	2.1	1.4															17	17	17	11														
13	.5	2.6	.5															16	13	16	5														
11	1.2	2.7	1.6															24	24	19	5														
7	.5	1.9																10	10	16	22														
7	.4	2.3																11	11	21	17														
3		1.2																6	6	5	9														
1	.7	1.6																10	17	12	21														
1	.5	.7																5	5	6	18														
-1	.4																	3	3	3	14														
-3	.2	.9																3	3	2	11														
-5																				1	7														
-7																					13														
-11																					6														
-15																					1														
-17																					7														
TOTAL	11.64	4.33	3.6	5.4	.2													426	426	426	426														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	224624	10302	71.2	14.305	426	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	325028	10790	25.3	11.139	426	1.2	61.1					64
Wet Bulb	276856	980	23.2	10.596	426	1.2	65.7					64
Dew Point	194597	7207	16.9	13.285	426	11.8	76.3					64

USAFETAC FORM NO. 54 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE









2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/NAAC

PSYCHROMETRIC SUMMARY

7736 FT RICHARDSON AI 77-82 YEARS FEB MONTH

DATE 1951 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47																		1	1																
45			.1	.1	.2	.1												10	10																
43			.1	.1	.7	.1												30	30	5															
41			.4	1.5	1.1	.1												6	66	7	4														
39		.3	.7	2.5	.3	.1												78	78	42	7														
37		.4	1.3	1.2	.1													55	65	92	24														
35		.7	2.4	1.5	.2													104	104	107	41														
33		.3	2.6	1.5	.2													102	112	50	73														
31		2.7	4.7	2.9	.2													210	216	152	103														
29		.4	2.6	2.3														115	115	134	127														
27		.5	4.2	1.2	.1													126	127	172	77														
25		.5	4.5	1.1	.1													130	130	191	69														
23		.6	2.7	.6														27	67	139	75														
21		1.2	2.2	1.2														114	114	113	149														
19		1.7	3.9	1.3														112	112	172	123														
17		.1	2.4	.5														74	74	105	109														
15		.5	2.7	.6														70	70	75	91														
13		.6	2.2	.2														64	64	69	73														
11		.3	2.5	.														58	58	71	74														
9		.2	2.2	.5														63	63	75	79														
7		.1	1.7	.1														41	41	73	45														
5		.2	1.1	.														27	27	44	21														
3		.6	1.6	.														24	54	60	61														
1		1.1	2.3	.														69	69	63	72														
-1		1.	.2															44	44	72	50														
-3		1.5	.3															30	30	42	48														
-5		1.	.3															27	27	32	65														
-7		1.3	.															29	29	35	52														
-9		1.1	.															25	25	25	63														
-11		.2	.															16	16	13	34														
-13		.2	.															4	4	4	11														
-15		.8	.															16	13	12	33														
-17		.6	.															14	14	14	26														
-19		.5	.															11	12	11	41														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

2  
 FEDERAL CLIMATOLOGY BRANCH  
 SAFETYAC  
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON AR 77-87  
 STATION STATION NAME YEARS MONTH FEB 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														
7-21	.																	1	1	1	24														
7-23																					21														
7-25																					3														
7-27																					13														
7-29																					3														
7-31																					3														
7-32																					4														
7-35																					3														
7-37																					1														
4/-45																					1														
Tot	22.75	22.9	3.4															2143	2145	2113															

Element (X)	$\Sigma X'$	$\Sigma X$	$\Sigma Y$	$\Sigma X^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum.	11.91691	157766	72.514.518		2187							672
Dry Bulb	1414.13	46.46	21.714.265		2185	71.7	529.0					672
Wet Bulb	1.12367	42357	10.413.517		2183	74.9	563.6					672
Dew Point	43935	26835	13.216.068		2183	156.4	626.7					672

USAFETAC FORM NO. 0 26 5 (OL A) RE-USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL BUREAU OF INVESTIGATION  
 CLIMATE DIVISION  
 NATIONAL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT. RICHARDSON AK 77-80 484  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	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	4		.4																															1	1				
41			.4	1.3																														7	7	1			
40				.9	1.3																													2	4	2	1		
39		.4	1.3																															2	2	2	1		
38		.4	1.3																															7	7	9	1		
37			.9																															7	7	8	2		
36		1.3	2.6																															16	16	6	11		
35			.9	1.3																														23	33	18	8		
34	.4																																	22	23	27	9		
33		.4	1.3																																18	19	31	33	
32				1.3																															10	10	19	5	
31		.4	1.3																																19	19	16	16	
30			.9																																10	10	11	21	
29		.4	1.3																																7	7	7	24	
28																																			12	13	16	12	
27		.4	1.3																																6	6	5	9	
26			.9																																8	8	8	6	
25																																			11	11	8	15	
24	.4																																		5	5	15	4	
23		.4	1.3																																3	3	3	7	
22																																			5	5	6	4	
21		.4	1.3																																3	3	3	11	
20			.9																																4	4	4	5	
19		1.3	2.6																																2	2	3	10	
18																																			3	3	3	10	
17		.4	1.3																																1	1	1	4	
16			.9																																1	1	1	3	
15																																							
14		1.3	2.6																																				
13			.9																																				
12		.4	1.3																																				
11																																							
10	.4																																						
9		.4	1.3																																				
8			.9																																				
7		.4	1.3																																				
6																																							
5	.4																																						
4		.4	1.3																																				
3			.9																																				
2		.4	1.3																																				
1																																							
0	1.3																																						
TOTAL	12.7	6.8	31.5	8	2.2																														228	228	228		
Element (X)		$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.		1315349	17161	75.3	11.4	228	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93																										
Dry Bulb		139979	5119	22.4	10.3	228	3.7	81.6					93																										
Wet Bulb		121723	4743	20.8	10.3	228	3.7	84.0					93																										
Dew Point		84966	3556	15.6	11.4	228	12.6	91.7					93																										

FORM NO. 26-5 (OL A) REVISION 1970  
 USAF/TAC  
 JAN 64

FEDERAL BUREAU OF INVESTIGATION  
 FEDERAL BUREAU OF INVESTIGATION  
 WEATHER SERVICE/MAIL

PSYCHROMETRIC SUMMARY

STATION: FT. RICHARDSON, AK YEARS: 77-80  
 MONTH: 12-1980  
 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			
47																																			1	1			
46																																			7	7			
45																																			15	15			
44																																			4	4			
43																																			14	14			
42																																			15	15			
41																																			2	2	10	7	
40																																			45	45			
39																																			49	49			
38																																			67	67			
37																																			41	41			
36																																			18	18			
35																																			72	72			
34																																			29	29			
33																																			1	1			
32																																			21	21			
31																																			26	27			
30																																			18	19			
29																																			16	15			
28																																			10	10			
27																																			7	7			
26																																			12	12			
25																																			12	12			
24																																			12	12			
23																																			12	12			
22																																			12	12			
21																																			12	12			
20																																			12	12			
19																																			12	12			
18																																			12	12			
17																																			12	12			
16																																			12	12			
15																																			12	12			
14																																			12	12			
13																																			12	12			
12																																			12	12			
11																																			12	12			
10																																			12	12			
9																																			12	12			
8																																			12	12			
7																																			12	12			
6																																			12	12			
5																																			12	12			
4																																			12	12			
3																																			12	12			
2																																			12	12			
1																																			12	12			
0																																			12	12			
TOTAL																																				518	518		

USAFETAC FORM 86-44 0-20-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON, AK 77-80  
STATION STATION NAME YEARS  
PAGE 1 MAR 1960-1961  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	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 51																		1	1		
7 41																		2	2		
7 45					.4	.2												3	3		
4 7 40				1.2	1.9	.2												17	17		
7 41		.4	1.5	1.9														20	20	3	
7 31			3.9	1.2	.4													23	23	15	
7 37		2.1	2.5	2.1														31	35	17	4
7 35		1.5	5.6	.4														39	36	43	3
7 23	.2	5.6	3.3	.2														48	49	38	13
7 21	1.3	3.3	6.9	1.2														65	65	67	44
7 21	.5	4.7	4.0	.4														40	42	67	53
7 27		3.8	1.9	.4														42	32	42	57
7 25		3.1	3.5															34	35	47	46
7 22	.2	2.1	2.5															35	26	35	51
7 21	.2	2.9	1.3															23	24	26	43
7 17	.3	2.8	.3															10	21	33	47
7 17		1.9	.6															17	13	14	22
1 7 15		3.1	.2															17	18	15	22
7 13	.2	1.2																7	7	17	32
1 7 11	.4	.8	.4															8	8	9	34
7 7	.2	.8																5	5	5	13
7 7		.4																3	7	3	13
7 7		.4																1	1	1	7
7 1		.2																1	1	1	4
7 -1																					4
7 -3																					4
7 -5																					2
7 -7																					1
7 -5																					1
TOTAL	5.8	45.7	39.1	17.0	1.1	.2	.4											571	526	591	521

Element (X)	ΣX'	ΣX	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2675.61	36848	70.7	11.6	521	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	496212	15593	27.0	8.297	526		59.6					93
Wet Bulb	41333	14788	27.0	7.545	521		71.4					93
Dew Point	27113	10968	21.7	6.868	521	2.1	68.5					93

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





2

LOCAL CLIMATOLOGY BRANCH  
METAC  
AIR SUPPORT SERVICE/MAC

# PSYCHROMETRIC SUMMARY

736 FT. RICHARDSON AK 77-80 MA  
STATION STATION NAME YEARS MONTH  
1976-1977 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																		
7/47				.5		.4																										1	1					
8/47					.1																												2	3				
4/47				2.5																													16	19				
7/41			.6	4.1	4.5	1.2																											29	29				
8/37		1.3	3.9	2.7																													39	39	44	1		
7/37		2.1	4.5	1.5	.4																												45	45	43	4		
7/34		3.5	3.7	3.3																													44	54	67	9		
8/28		6.1	6.6	1.6	.7																												74	74	53	30		
7/31	.2	3.4	3.4	1.4																													4	24	66	75		
7/27		.8	3.3	1.2																													27	27	77	63		
7/27		2.7	1.8	.6																													26	25	50	57		
7/25		1.2	1.5	.4																													16	16	37	51		
7/25		1.2	1.5	.4																													10	10	21	27		
2/31		1.7	.6																														6	6	11	36		
7/17	.2	2.1	1.4																														19	19	23	52		
7/17		.4	.7																														6	6	5	26		
7/17		.2																															1	1	11	24		
7/13																																						
7/11																																						
7/7																																						
7/7																																						
7/7																																						
7/7																																						
TTL		.42	.14	.32	.2	.3																													514	514	14	

USAFETAC FORM 0 26.5 (OL A) METAC REVISIONS EDITIONS OF THIS PUBLISHER'S QUALITY

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	F <sub>z</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	24	38	71	34	67	31	43	14				
Dry Bulb	624	27	17597	34.3	6.021			31.6				93
Wet Bulb	50	31.4	15791	30.7	5.933			54.8				93
Dew Point	32	455	12415	24.2	7.465			65.3				93

2

FEDERAL BUREAU OF INVESTIGATION  
 NATIONAL CLIMATOLOGY DATA CENTER  
 METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 736 FT. RICHARDSON, ALASKA 17-20 YEARS 1973-1992 MONTH

PAGE 1 18 19 20 21 HOURS (L. S. Y.)

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																
47 / 43																																		1	1		
47 / 41			.6	1.3	2.5	.7																												7	7		
47 / 37			.2	1.7	3.1	1.2	.2																											24	24		1
47 / 33			.4	2.3	3.2	1.2																												25	35	23	1
47 / 29		.4	2.3	3.2	1.2																													44	44	44	3
47 / 27		.2	4.6	3.1	.4																													40	40	41	19
47 / 23	1.2	2.1	6.9	1.2																														89	69	56	28
47 / 21	.8	5.8	3.4	.4																														60	60	63	47
47 / 19	.4	4.1	2.2	.4																														35	35	59	46
47 / 17	.2	2.7	2.5	.2																														27	27	75	58
47 / 15	.2	2.1	.5																															15	15	25	34
47 / 13	.2	2.7	.3																															18	18	75	42
47 / 11	.4	4.6	.8																															25	25	24	47
47 / 9	.8	.8	.8																															8	8	16	23
47 / 7	.4	1.7	.4																															10	10	16	27
47 / 5	.8	.8																																4	4	13	31
47 / 3	.4	1.1	.4																															2	5	5	21
47 / 1	.8	.8																																1	2	5	12
47 / -1	.8	.8																																3	3	1	1
47 / -3	.8	.8																																1	1	1	11
TOTAL	4.0	24.5	7.3	9.3	10.2																													471	471	471	471

USAFETAC FORM 1604 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σx'	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2423376	34134	71.1	11.279	481							
Dry Bulb	461226	14473	30.1	7.366	481		59.7					77
Wet Bulb	325015	13213	27.5	6.779	481		72.9					92
Dew Point	25961	10353	21.5	6.193	481	1.2	8.4					93





2

FEDERAL CLIMATOLOGY BRANCH  
 WSAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7736 FT RICHARDSON AY 77-82 APR 1960-0500  
 STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

PAGE 1 1300-0500  
 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														
47-43		.4																1	1	1	1														
47-41			.9															2	2																
47-39		1.3	2.6	.4														11	11																
47-37		2.6	5.2	1.3														11	21	6															
47-35		6.0	.9															14	16	16															
47-33	.4	5.2	5.6	.4														34	34	31	12														
47-31	1.7	8.6	3.9															11	31	28	30														
47-29	1.3	3.9	3.9	.4														12	22	20	21														
47-27		2.6	1.7	.4														25	25	19	27														
47-25		4.7	.9															13	13	11	21														
47-23		2.1	2.6															11	11	17	10														
47-21		5.2	.9															16	16	13	16														
47-19	.4	2.4																6	9	14	35														
47-17		3.9																9	9	7	10														
47-15																					10														
47-13		.9																2	2		8														
47-11	1.3	1.3																6	6	5	9														
47-9		1.3																7	7	3	12														
47-7		.4																1	1	4	5														
47-5																					1														
47-3																					1														
47-1																					1														
47-0																					1														
47-1																					4														
47-2																					1														
T L		362.7	27.9	3.4																	233														
																		233			233														

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	13525.4	17562	75.4	11.158	233							
Dry Bulb	202324	6758	29.0	7.266	233		57.2					90
Wet Bulb	180394	6276	26.9	6.993	233		69.1					90
Dew Point	130176	5118	22.0	8.748	233	2.7	85.0					90



2

FEDERAL CLIMATOLOGY BRANCH  
WAFETAC  
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7736 FT. RICHARDSON AK 77-80 ADK  
STATION STATION NAME YEARS MONTH  
PAGE 1 1930-1931  
HOURS (L.S.-T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	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					.4	.2												4	4					
47-53					.4	.2												8	8					
37-51				.4	1.0	.2												16	16					
27-45			.2	4.2	3.7	.2	.4											38	38	3				
17-45			1.0	5.5	2.2	.2												45	45	7				
7-43		.2	3.6	4.4	1.4													48	48	2				
27-41		.6	3.2	3.6	1.1	.4												44	45	40				
17-39		1.2	5.9	3.7	.6													53	53	69				
7-37		2.8	5.9	2.4														55	55	57				
27-35	.2	3.4	5.3	2.4														56	56	76				
17-33	.4	1.3	5.3	.3	.2													42	42	67				
7-31	.2	3.7	3.2	1.2														36	36	43				
27-29		.6	1.6	.4														14	14	45				
17-27			.4															4	4	19				
7-25		.2	.8															5	5	15				
27-23	.2	.4	.0															7	7	9				
17-21			.0															1	1	6				
7-19		.6	1.0															2	2	4				
17-17		.2																1	1	6				
7-15																				2				
17-13																				1				
7-11																				4				
17-9																				5				
7-7																				4				
17-5																				2				
7-3																				3				
TOTAL	1.715	.434	.630	.111	.7	1.8	.4											495	495	495				

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_A$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2174771	32245	65.112	2.205	495							90
Dry Bulb	790289	19377	39.1	6.860	495		14.2					90
Wet Bulb	612614	17182	34.7	5.763	495		28.9					90
Dew Point	407721	13807	27.9	6.764	495		67.3					90

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





2

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: FT RICHARDSON AK YEARS: 77-80 MONTH: J.P.  
 PAGE 1 1980-1980  
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																
77 51																															2	2			
77 50								.2																							3	3			
77 57																															1	1			
77 55								1.0																							5	5			
77 55					.4			3.1																							20	20			
77 51				.3	3.3			2.7	.2																						24	24			
77 49			.6	2.3	4.5			1.4																							43	43		5	
77 47			1.0	3.5	2.5			.2																							35	35		5	
77 45		.2	1.4	7.2	3.0			.8																							56	66		17	
77 43		1.4	1.6	6.9	1.2																										54	54		1	
77 41		.8	5.3	6.6	3.9			.6																							79	79		5	
77 39		.9	4.5	3.1	3.1			.6																							59	60		19	
77 37		.4	3.5	1.4	.7			.2																							26	29		19	
77 35		.1	1.9	.4																											11	21		39	
77 33		1.4						.2																							8	5		65	
77 31		1.4		.3																											11	11		110	
77 29			.5																												3	3		54	
77 27		.6	1.9																												12	12		50	
77 25			.2																												1	1		5	
77 23			.2																												1	1		0	
77 21																																		2	2
77 19																																			11
77 17																																			11
77 15																																			11
77 13																																			11
77 11																																			1
TAL		.322	.833	.122	.211	.5	1.0	.2																										400	
																																			400
																																			400

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

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR FATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 236 FT RICHARDSON AR STATION NAME 17-82 YEARS 12 MONTH

PAGE 1 1684-2110  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	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										.6																						1	1				
5/ 55										.2																						1	1				
4/ 53									.6																							2	2				
1/ 51								.7	.7																							6	6				
1/ 4					.2	2.4	.2																								13	13	1				
1/ 47				.7	2.9	2.0	.2																								20	20	1				
4/ 45				1.1	5.1	2.0	.2																								24	24	3				
4/ 45			.2	1.2	5.7	.7	.2																								35	35	7				
1/ 41		.4	4.4	7.1	1.7																										47	60	79	2			
1/ 37		1.1	6.8	4.6	1.7																										63	63	79	3			
1/ 37		1.9	7.3	2.7																											74	55	64	9			
1/ 35		4.4	4.2	3.1																											82	52	74	11			
1/ 33		1.3	2.4	.9	.4																										25	25	72	46			
1/ 31	.7	3.8	1.1	1.2																											41	41	46	27			
1/ 29	.2	.7	1.3	.2																											11	11	35	72			
1/ 27		.9	.4																												8	6	22	42			
1/ 25		.2	.7																												4	4	12	47			
1/ 23			.7																												2	2	4	16			
1/ 21		.7	.4																												5	5	4	28			
1/ 19																																		7	28		
1/ 17																																		7	14		
1/ 15																																			4	2	
1/ 13																																			0	0	
1/ 11																																			7	7	
1/ 9																																			7	7	
1/ 7																																			2	2	
T-T	.9	15.9	35.1	133.1	113.1	13.0																													453	455	453

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

5045

1957  
 FEDERAL BUREAU OF SURVEYING  
 METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

737 FT. WILKINSON, AK 77-60 APR MONTH

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

USAFETAC FORM NO. 0-26-5 (OL A) 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				
77/61										.1																			3	7					
77/57										.1	.1																		5	5					
57/55						.2	.3																						17	17					
47/53				.1	.1																								46	46					
27/51				.4	1.4	1.1																							20	20					
7/4			.1	1.2	2.4	.7				.1																			100	120					
17/47			.9	2.6	2.2		.2																						140	140	17				
17/45		.1	1.1	4.4	2.2		.3																						225	225	65				
47/43		.5	1.6	4.8	1.1		.1																						207	267	122	13			
7/41		.6	3.9	4.9	1.2		.2																							282	235	218	13		
57/37	.1	1.3	2.1	2.7	1.7		.1																							276	279	320	43		
7/37	.2	2.2	2.7	2.7	.3		.0																							258	261	307	67		
7/32	.1	3.2	3.6	1.4	.1																									223	223	354	155		
37/33	.3	2.9	2.7	.5	.2																									178	178	376	273		
7/31	.5	3.9	2.5	.9																										205	206	267	500		
7/27	.2	1.3	1.2	.2																										95	95	141	330		
7/27	.1	2.5	1.1	.1																										7	87	111	291		
7/25		1.2	1.5																											53	53	129	229		
7/23		.5	.8																											33	33	65	79		
7/21	.1	.2	.2																											31	31	44	161		
7/17	.1	.6	.4																											34	34	40	170		
7/15		.6	.7																											19	19	26	73		
7/15		.2	.1																											4	4	18	70		
7/13		.3																												7	7	4	51		
7/11	.1	.2																												7	7	1	36		
7/7		.1																												3	3	4	37		
7/7		.2																												4	4	1	15		
7/2		.1																												2	2	6	5		
7/1																																		7	
7/-1																																		2	
-7/-3																																		2	
-7/-5																																		7	

Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	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												

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7736 FT RICHARDSON AK STATION STATION NAME

77-82 YEARS

AD 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	
- / -																					3	
TOTAL	1.1	22.2	32.2	126.3	12.6	4.3	.5	.6											2657		2649	

Element (X)	Σ X²	Σ X	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	11702363	172461	65.1	13.365	2649							
Dry Bulb	4119039	172711	39.5	8.219	2657		158.3					720
Wet Bulb	321052	90486	34.2	6.731	2649		249.3					720
Dew Point	210540	72090	27.2	7.369	2649	3.0	564.0					720

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

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20540  
 METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 736 FT RICHARDSON AK YEARS: 77-82 MONTH: MAY  
 PAGE 1 0500-0500 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															
7/59								.4																							1	1			
6/55					.4																										1	1			
4/52		.4																													1	1			
7/51				.7	.4																									3	3	1	1		
7/48		.7	.4	.7	.4																								6	6	2				
7/47		.4	1.8	1.4	.4																								11	11	2				
6/46		2.9	2.6	2.5	.4	.4																							25	25	6	3			
4/43	.7	2.2	3.3	3.3	.4																								41	41	23	7			
7/41		6.5	3.3	1.4	.4																								40	46	22	11			
4/37		6.5	7.2	1.4	.7																								44	44	57	23			
7/37		3.3	2.9	1.1	.4																								35	35	40	13			
7/35	.7	3.3	1.3	1.1																									19	19	50	42			
7/33		4.3	3.6		.4																								23	23	51	45			
7/31	.7	2.5	1.5																										14	14	27	53			
7/27		.7	.7																										4	4	14	17			
7/27			.4																										1	1	7	16			
7/25			.4																										1	1	2	13			
7/25																																1	6		
7/21																																1	4		
7/17																																	0		
7/15																																	0		
7/13																																	0		
7/7																																	1		
TOTAL	.23	.84	0.51	4.1	3.6	.7																											276	276	276

Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	$\bar{X}$	S <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	157.563	20589	74.612	4.56	276							
Dry Bulb	451344	11074	40.1	5.352	276		6.7					93
Wet Bulb	384309	10219	37.1	4.765	276		17.5					93
Dew Point	300247	8933	32.4	6.360	276		43.1					93

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



FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

7 736 FT RICHARDSON AM 77-87 453  
STATION STATION NAME YEARS MONTH  
PERIOD 09-05-1100  
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 89																															1	1					
7 87																																2	2				
7 85																																3	3				
7 83																																4	4				
7 81																																9	9				
7 79																																14	14				
7 77																																25	25				
7 75																																31	31		2		
7 73																																49	49	10	1		
7 71																																4	44	17			
7 69																																13	37	26	2		
7 67																																14	54	54	7		
7 65																																34	34	51	13		
7 63																																21	21	134	31		
7 61																																17	17	64	51		
7 59																																3	3	45	67		
7 57																																1	1	23	65		
7 55																																3	2	7	100		
7 53																																	1	1	40		
7 51																																			71		
7 49																																			15		
7 47																																			5		
7 45																																			5		
7 43																																			7		
7 41																																			17		
7 39																																			3		
7 37																																			1		
7 35																																			2		
7 33																																			1		
7 31																																					
7 29																																					
7 27																																					
7 25																																					
7 23																																					
7 21																																					
TTL		.4	.0	1.5	1.2	9.1	12.9	7.1	5.1	7.2		.6																						400	470		
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	1367311	29841	59.9	12.662	499	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93																									
Dry Bulb	1285648	25126	50.5	5.104	498			.6				57																									
Wet Bulb	970676	21906	44.0	3.773	498							53																									
Dew Point	674543	18163	36.5	4.935	498		20.9					93																									

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





2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

738 FT RICHARDSON AK 77-82 45 V  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1970-1970  
 HOURS (L.S.T.)

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												
77																		2		3													
77							.2	.7	.6									7		7													
77								.4										3		3													
77								.2										2		2													
77					.2	.2	1.4											9		9													
77					.2	.4												5		5													
77				.2	.2	1.2	1.7	.4										19		19													
77				1.	3.8	2.3												33		33	2												
77				.7	1.4	5.1	3.1	.3										62		52	12												
77				.2	2.3	4.4	2.3	.4										49		49	5												
77				2.7	5.3	5.6	1.2											72		72	10												
77			1.	4.1	4.4	4.5	.6											91		91	27												
77		.6	.6	4.7	3.9	1.9	.2											58		58	7												
77		.4	1.	2.5	2.7	.2												33		33	73												
77		.6	1.4	3.8														35		25	33												
77		1.4	1.4	.4														16		16	119												
77		.8	.2	.2														6		6	64												
77		.4																2		2	31												
77		.2																1		1	13												
77																					77												
77																					58												
77																					58												
77																					21												
77																					10												
77																					4												
77																					1												
TOTAL		4.5	5.4	16.7	27.8	27.8	14.0	2.4	1.2										486		486												

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	14493.9	25019	53.1	12.654	486	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 91 F	Total
Dry Bulb	14065.06	25090	53.5	5.908	486			2.9	.5			93
Wet Bulb	10074.44	22056	45.4	4.137	486							83
Dew Point	6474.68	17558	36.1	5.234	486		23.3					93

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

W-500-741

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION 7736 FT RICHARDSON AK STATION NAME 77-22 YEARS PAY MONTH 1950-0000  
 PAGE 1 1950-0000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
71																	2	2		
69																	2	2		
67																	3	7		
65																	4	4		
63																	2	2		
61																	5	5		
59					.6	.2	2.4										15	15	1	
57					1.1	1.3	1.3										17	17	3	
55					.6	3.7	3.5	.6									39	39	4	
53		.2			.2	3.8	4.1	.6									38	38	9	
51			.2		3.9	5.6	3.9	.2									64	64	16	1
49		.2	1.5		5.4	10.4	1.9	.4									92	92	21	4
47		.6	3.2		4.5	7.1	1.3										78	78	75	5
45		.2	2.8		5.2	1.7	.2										47	47	56	13
43		.9	3.2		2.6	.7											35	35	94	18
41		.4	1.1		.4												9	9	117	23
39	.4	1.5		.2													10	10	66	61
37																			31	35
35																			7	59
33																				2
31																				61
29																				37
27																				23
25																				8
23																				2
21																				2
19																				5
17	.4	4.1	1.2	1.2	4.0	3.4	2.1	0.9	2.7	.4	.2								462	462
15																				462
13																				462
11																				462
9																				462
7																				462
5																				462
3																				462
1																				462
0																				462

USAFETAC FORM 84 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	Y <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	1590844	26513	57.4	12.213	462							
Dry Bulb	1181125	23227	50.3	5.389	462			1.4				93
Wet Bulb	80477	20077	43.5	4.165	462							93
Dew Point	586769	16273	35.2	5.429	462		32.4					93

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

736 FT RICHARDSON AK 77-82 MAY  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 ALL  
 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
87 / 73									.1									4	4	
87 / 71								.1	.1	.1								11	11	
87 / 69								.0	.3	.1								11	11	
87 / 67								.1	.7									14	14	
67 / 65					.1	.1	.5	.1	.1									26	26	
47 / 63						.4	.3	.1	.7									22	22	
77 / 61				.1	.3	.7	.8	.1										51	51	
77 / 59				.2	.4	1.9	.8	.1										91	91	4
77 / 57				.4	1.3	2.6	.8	.3										145	145	72
57 / 55			.1	.1	2.5	3.0	.8	.1										192	192	20
47 / 53		.1	.3	1.3	3.7	3.5	.7											262	262	46
27 / 51		.1	.8	3.4	5.3	3.7	.3											351	351	55
57 / 47		.6	1.0	4.4	4.9	1.3	.1											357	357	146
77 / 47		.7	2.7	4.4	3.4	.3												317	317	275
47 / 45	.7	1.5	2.7	4.2	1.4	.1												269	269	385
47 / 43	.1	1.7	3.6	2.1	.5													217	217	550
27 / 41		1.7	2.6	.9	.1													146	146	462
87 / 37	.1	1.3	1.5	.4	.1	.7												53	53	346
77 / 37	.0	1.3	.7	.1	.7													59	59	173
77 / 35	.2	.4	.4	.1	.7													30	30	103
37 / 33		.5	.5		.7													28	28	37
77 / 31	.1	.3	.2	.7	.7													16	16	34
77 / 29		.1	.1		.7													4	4	15
77 / 27			.7		.7													1	1	5
77 / 25			.0		.7													1	1	2
77 / 23					.7															1
27 / 21					.7															1
77 / 17					.7															1
17 / 17					.7															1
17 / 15					.7															1
17 / 13					.7															1
17 / 7					.7															1

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/AVIATION

# PSYCHROMETRIC SUMMARY

STATION: 2736 FT RICHARDSON AM STATION NAME: 77-82 YEARS: MONTH: MAY  
 PAGE: ALL HOURS (L. S. T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	1	2	3	1	2	5	2	1	6	1	5	0	0	0	0	0	0	2718	2718	2718	2718
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	10459701	164725	60.3	14.372	2718	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	744									
Dry Bulb	6789147	134566	49.5	6.034	2718	6.0	10.9	1.1				744									
Wet Bulb	5124277	117274	43.1	4.863	2718	17.5						744									
Dew Point	3520419	96699	35.6	5.431	2718	214.1						744									

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

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2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON AK 77-80 JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7/59																		2	2																	
7/57			.7	.3	.3													4	4																	
7/55			1.7	2.0	1.4													16	15																	
7/53		.7	3.1	2.4	1.7	.3												24	24	2																
7/51		3.6	4.7	3.1	1.4	.3												50	50	17	1															
7/49		4.5	5.1	3.1	1.4													65	65	38	15															
7/47		7.5	7.5	3.7	.3													63	53	66	21															
7/45		11.9	3.7	1.7														40	42	61	12															
7/43	.3	3.0	2.4	.7														16	16	64	47															
7/41		2.4	1.4															11	11	34	67															
7/39	.3	1.0	.3															5	5	15	42															
7/37																				7	24															
7/35																				1	17															
7/33																					17															
7/31																					3															
7/29																					2															
TOTAL	.747	.733	.918	.3	5.47	.7												295	295	295	295															

Element (X)	Σ x <sup>2</sup>	Σ x	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1638521	23761	78.2	11.031	295	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90
Dry Bulb	708529	14413	48.9	3.844	295							90
Wet Bulb	516427	13449	45.6	3.345	295							90
Dew Point	528726	12426	42.1	4.253	295	1.5						90

USAFETAC FORM 0-26-5 (OL A) REVISED WITHOUT NOTICE OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/AFAC

# PSYCHROMETRIC SUMMARY

7 736 FT RICHARDSON AK 77-87 JUN  
 STATION STATION NAME YEARS 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 71																																1	1		
7 69																																1	1		
7 67																																11	11		
67 65																																19	19		
47 63																																37	37		
7 61																																50	50		
7 59																																62	62	1	
7 57																																72	72	10	
57 55																																75	75	46	
47 53																																73	73	93	
7 51																																47	47	95	
7 49																																40	40	117	
7 47																																24	24	155	
47 45																																4	4	42	
47 43																																5	5	118	
7 41																																1	1	43	
7 39																																		43	
7 37																																		13	
7 35																																		4	
7 33																																		4	
TOTAL																																	516	516	516

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2348319	34117	66.11	3.417	516							90
Dry Bulb	1661442	29164	56.5	5.46	516			2.3				93
Wet Bulb	1315725	26035	50.5	3.152	516							93
Dew Point	1041696	23106	44.8	3.695	516							93



FEDERAL BUREAU OF METEOROLOGY  
 AND WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7336 FT RICHARDSON AK 77-60 JUN  
 STATION STATION NAME YEARS MONTH

PAGE 1 1256-14.0  
 HOURS (L. S. T.)

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

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 / 73																					2	2			
4 / 71																						6	6		
4 / 69								1.0	2.1	1.7											22	22			
4 / 67								2.1	2.7	1.4											44	44			
4 / 65								1.7	2.1		.6										30	30			
4 / 63								1.7	2.3	4.3	2.3	1.7									57	57			
4 / 61			.2	.6	2.1	4.7	2.5	1.7													61	61			
4 / 59				.6	3.1	2.9	4.5	1.4													64	64	17	1	
4 / 57				1.4	2.1	4.9	2.7	.4													59	59	57		
4 / 55				.6	2.3	4.8	3.3	.4													54	54	55	1	
4 / 53				1.4	4.1	2.1	.4	.2													42	42	48	10	
4 / 51				2.3	2.9	.4															29	29	44	20	
4 / 49				4.1	1.6	.6															32	32	132	7	
4 / 47				1.6																		9	61	91	
4 / 45																							10	94	
4 / 43				.2																	1	1	4	72	
4 / 41																								75	
4 / 39																								39	
4 / 37																								40	
4 / 35																								11	
3 / 73																								7	
2 / 31																								1	
TOTAL		11.7	13.4	16.3	18.8	20.3	17.4	5.0	1.6												516	516	516	516	
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total													
Rel. Hum.	205.658	316.82	61.414	8.41	516																				
Dry Bulb	1734373	30619	59.3	5.824	516			12.9				90													
Wet Bulb	1399476	26510	52.0	3.752	516							90													
Dew Point	1067148	23350	45.3	4.400	516							90													

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FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
METEOROLOGICAL SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7736 FT RICHARDSON AK

77-67

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1900-1700  
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
47 73																		3	3	
47 71																		13	13	
47 69																		27	27	
47 67																		31	31	
47 65																		43	43	
47 63																		52	52	
47 61																		63	63	3
47 59																		62	62	30
47 57																		58	58	43
47 55																		58	58	58
47 53																		35	35	99
47 51																		70	37	91
47 49																		24	24	117
47 47																		7	7	85
47 45																		2	2	16
47 43																				2
47 41																				1
47 39																				
47 37																				
47 35																				
47 33																				
TOTAL																		508	508	508

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	1921069	30329	59.8	14.182	508							90
Dry Bulb	14385.6	30388	59.8	5.913	508			17.1				90
Wet Bulb	1307146	26478	52.1	3.731	508							90
Dew Point	1042120	22896	45.1	4.480	508							90

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

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GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON AK 77-80 YEARS MONTH  
 PAGE 1 1800-2000 HOURS (L. S. T.)

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

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																
77																																3	3			
76																																5	5			
67																																14	14			
65																																11	11			
63																																48	48			
61																																51	51	1		
59																																	59	59	6	
57																																	66	66	16	
55																																	77	77	38	
52																																	75	75	77	
51																																	45	45	96	
49																																	24	24	112	
47																																	12	12	101	
45																																	1	1	41	
43																																	1	1	13	
41																																		1	1	65
39																																				47
37																																				40
35																																				21
33																																				9
31																																				2
29																																				1
TOTAL	1.0	7.1	16.5	20.7	25.2	21.9	17.5	13.7	9.2																									492	492	492
Element (X)	Zx'	Zx	X	σx	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	2003523	30697	62.4	13.752	492	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb	1627148	28184	57.3	5.274	492			4.0	5			90																								
Wet Bulb	1257538	24514	50.4	3.509	492							50																								
Dew Point	959137	21597	43.9	4.756	492			5				90																								

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 STATION FT RICHARDSON, AK STATION NAME 77-82 YEARS JULY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
47 73								.1										2	5																	
47 71							.2	.4	.1									1	20																	
47 69						.6	.4	.1										5	55																	
47 67				.2	.2	1.1	1.1	.8	.2									100	100																	
47 65				.2	.7	1.3	1.1	.4	.2									103	103																	
47 63			.4	1.3	3.2	1.5	.4	.1										126	196																	
47 61		.4	1.3	3.2	2.8	1.1	.1											276	239	4																
47 59		.4	3.2	3.2	2.8	1.1	.1											290	290	54																
47 57		.7	1.5	2.6	4.1	2.3	.3											308	308	127																
47 55		.4	2.3	4.8	3.4	.9	.1											352	352	201	12															
47 53	.3	.9	4.8	4.3	1.9	.3												330	330	380	40															
47 51	.1	2.3	4.2	2.9	.1	.1												289	289	519	117															
47 49	.1	3.8	3.7	1.5	.2													263	263	635	276															
47 47	.1	3.4	2.1	.8	.2													162	162	525	431															
47 45	.1	1.7	.8	.1														76	76	293	558															
47 43	.1	.5	.2	.1														23	23	181	448															
47 41		.3	.1															12	12	40	393															
47 39	.1	.1	.0															5	5	15	269															
47 37																				7	171															
47 35																				1	76															
47 33																					34															
47 31																					11															
47 29																					4															
47 27	.4	1.3	4.2	1.2	1.7	1.8	1.4	.6	7.2	2.9	.7									2842	2842															
TOTAL																					2842	2842														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	1218696	186828	65.718	596	2842							729
Dry Bulb	4095739	159811	56.2	6.272	2842			46.8	2.0			729
Wet Bulb	7162121	142219	50.0	3.989	2842							729
Dew Point	5606336	125640	44.2	4.360	2842		3.5					729

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



2

FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL  
WEATHER SERVICE / SAC

**PSYCHROMETRIC SUMMARY**

73- FT WICHAMORSON AF 77-82 JUL  
STATION MONTH  
PAGE 1 1978-0000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
77 67				.2	.4	.4		.2		.2								2	2																
77 65			.2	.7	.7	.2												7	7																
77 63			.4	.4	.2	1.4	.2											12	23																
77 61			1.2	1.4	1.		.2											23	23	2															
77 59		1.3	2.1	5.7	1.3	1.2												64	64	6															
77 57		3.7	7.3	4.5														53	94	21															
77 55	.4	8.2	9.2	2.9		.6												112	112	31															
77 53	1.5	11.0	5.9	1.4	.2	.2												101	101	136															
77 51	.6	6.4	2.	1.3	.9													55	86	127															
77 49	.2	5.9	1.3	.4														12	22	74															
77 47		.2																4	4	29															
77 45																				5															
77 43																				1															
77 41																				11															
77 39																				2															
77 37																				4															
77 35																				4															
77 33																				2															
TOTAL	2.7	36.52	17.4	18.1	15.4	3.0	.3		.2									510	13	510															

Element (X)	Σ X²	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	3276724	40358	79.1	12.774	510						
Dry Bulb	1626452	26822	56.3	3.637	510			1.6			93
Wet Bulb	1412014	26822	52.6	2.903	510						93
Dew Point	1256177	25229	49.5	3.997	510						93

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

2

FEDERAL BUREAU OF METEOROLOGICAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/AFAC

**PSYCHROMETRIC SUMMARY**

STATION FT. RICHARDSON AK

77-82

YEARS

MONTH

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

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																
75							.4																										2	2			
73							.4	.4																										5	5		
71							.2	.2																											9	9	
69					.4	.4	1.0	.2	.2																									14	14		
67				.4	1.4	.6																												17	17		
65			.4	1.4	2.4	1.6	.2																											22	22		
63		.4	3.4	2.4	3.3	.2																												22	22		
61	.4	4.4	7.6	3.3	.6	.2																												23	23	13	
59	.2	5.7	4.7	3.4	.6																													2	2	7	
57	.1	5.3	6.1	2.2	.2	.4																												26	26	11	
55	.4	7.3	3.4	3.1	.6	.2																												79	79	119	
53	.2	8.7	1.4	.6																														45	45	112	
51	.2	8.2	.6																															15	15	117	
49	.4	.6																																5	3	71	
47																																					7
45																																					
43																																					
41																																					
39																																					
37																																					
35																																					
TOTAL	.2	25.1	22.2	22.5	51.3	9.4	2.2	1.0																													510

Element (X)	ΣX'	ΣX	X	C <sub>p</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	2855242	37538	73.6	13.465	510							
Dry Bulb	1830927	30461	59.7	4.747	510			7.8	1.3			93
Wet Bulb	1537537	27959	54.8	3.84	510							93
Dew Point	1324942	25924	50.3	3.758	510							93

USAFETAC FORM 0-26.5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 METEOROLOGICAL SERVICE/MACT

**PSYCHROMETRIC SUMMARY**

STATION 736 FT RICHARDSON AM STATION NAME 77-87 YEARS JUL MONTH  
 PAGE 1 1200-1400 HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) 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
7 / 85																		1	1		
7 / 81																		1	1		
7 / 79																		2	2		
7 / 77								1.0										5	6		
7 / 75								.2										7	8		
4 / 73				.4				.3	1.5	.2								14	15		
7 / 71					1.0	.4	1.0	.6										15	15		
7 / 69					1.4	2.0	1.3											26	26		
7 / 67					1.6	3.0	2.2	1.4	.2									45	45	3	
6 / 65					3.7	5.0	1.4	1.2	.2									53	53	4	1
4 / 63				1.0	2.5	4.7	2.4	1.4										61	61	13	1
7 / 61			.6	4.3	3.9	2.4	.8	.4										64	64	33	2
7 / 59			4.9	5.3	2.4	1.2	.2	.2										77	77	77	3
7 / 57			5.3	4.3	2.6	.4	.2											65	65	102	35
5 / 55	.2	6.5	1.5	.5	.7													47	47	109	60
4 / 53	.4	3.1	.4															20	20	91	112
2 / 51		1.3																5	5	44	105
7 / 4																				12	65
7 / 47																				1	42
4 / 45																					27
4 / 43																					14
7 / 41																					5
6 / 39																					3
7 / 37																					1
TOTAL		21.6	1.1	7.1	8.7	9.8	8.4	3.5	1.0	.2	.4							509	11	509	509
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Rel. Hum.	2013220	35549	69.4	15.307	509																
Dry Bulb	2013220	31940	62.5	5.742	511			21.7	6.0	.7		93									
Wet Bulb	1629474	28742	56.5	3.285	509			.5				93									
Dew Point	1373820	26364	51.8	3.966	509							93									



2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 STATION FT. RICHARDSON AK STATION NAME 77-8 YEARS JUL MONTH 1950-1950 FACT 1 1950-1950 HOURS (L. S. T.)

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																		
77 61										.2	.4																							2	1				
77 70							.2	.2	.2	.6	.2																							7	7				
77 77							.2	.2	.4	.2																								5	5				
77 75							.2	.4	.2	.4																								10	17				
77 73							.2	.4	1.2	1.4	.2																							17	18				
77 71							.4	1.0	1.2	.4																								17	19				
77 69							.4	1.6	2.4	.6																								20	30				
77 67				.2	1.2	2.0	3.0	1.0	.2																									40	40				
77 65		.2	.2	2.6	4.2	3.0	1.4	.4																										50	59				
77 63			1.4	5.4	2.4	1.6	.6																											57	57				
77 61		2.2	4.6	2.4	1.2	2.2																												63	60				
77 59		3.8	4.4	3.6	.4	1.2																												64	64				
77 57		3.4	3.6	1.6	.4	.2																												56	56				
77 55		5.6	3.6	.8	.4																													62	57				
77 53		2.6	.4																															17	17				
77 51	.2	.4																																	3	49			
77 49																																			13	63			
77 47																																			1	49			
77 45																																							
77 43																																							
77 41																																							
77 39																																							
77 35																																							
TOTAL	.21	.116	.917	.913	.715	.3	.2	.2	1.2	.2																									408	500	495		

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

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2457.03	34287	68.4	15.744	498	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	20134.8	31580	63.2	6.154	500			24.6	8.2	1.5		93
Wet Bulb	10122.45	28277	56.3	3.657	498			1.1				93
Dew Point	13963.28	25204	51.3	4.836	498							93

2  
 FEDERAL CLIMATOLOGY BRANCH  
 AFSAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

1736 FT RICHARDSON AK 17-87 JUL  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1660-2000  
 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	
7/ 31																		1	1			
7/ 79																		1	1			
7/ 77																		3	3			
7/ 75																		3	3			
7/ 72																		4	4			
7/ 71																		13	14			
7/ 69																		24	24			
7/ 67																		28	25	3		
7/ 65																		20	27	3		
7/ 63																		59	59	9		
7/ 61																		57	57	16		
7/ 59																		78	78	39		
7/ 57																		70	70	92		
7/ 55																		68	68	121		
7/ 53																		37	37	96		
7/ 51																		7	8	56		
7/ 49																		1	1	34		
7/ 47																				11		
7/ 45																				32		
7/ 43																				23		
7/ 41																				17		
7/ 39																				7		
7/ 37																				5		
7/ 35																				2		
TOTAL																				474	476	474

Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	n	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		
Rel. Hum.	2484747	33571	77.815	474	474						
Dry Bulb	1768519	28899	67.7	5.428	476	15.2	2.3	.2			93
Wet Bulb	1447236	26138	55.1	3.531	474	.6					93
Dew Point	1221042	23960	50.9	4.575	474						93

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

2

FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE  
AT WASHINGTON, D.C.

PSYCHROMETRIC SUMMARY

STATION FT RICHARDSON AK

77-82

JUL

STATION NAME

YEARS

MONTH

PAGE 1

ALL  
HOURS (L.S.T.)

USAFCAT FORM 0-26-5 (OL A) 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		
47 70												.1							2		?			
7 71												.0							2		5			
7 79							.0	.0	.0	.0	.0	.0	.0						10		10			
7 77							.1	.1	.3	.0	.0	.0							14		14			
7 75							.1	.1	.2	.1	.2	.1							22		23			
47 73					.1	.1	.1	.4	.5	.1									40		42			
7 71							.5	.6	.7										54		56			
7 69					.1	.7	1.1	1.2	.7										96		96	3		
7 67					.2	1.0	1.5	.8	.3	.1									133		133	9		
7 65				.0	.3	1.7	2.4	1.3	.7	.1									169		169	18		
47 63					.5	3.0	3.7	2.0	.4	.0									252		253	47		
7 61					.6	3.3	3.7	1.8	1.0	.2									291		291	10		
7 59					2.7	4.7	3.8	1.3	.9	.0									372		372	24		
7 57					5.5	4.7	2.8	.6	.2	.0									382		393	182		
5 7 55					.5	7.3	4.7	1.7	.5	.3									410		410	335		
47 53					.5	6.5	2.8	.6	.1	.0									292		292	507		
7 51					.3	3.4	1.5	.4	.1	.0									147		149	593		
7 49					.1	1.5	.5	.2											63		63	445		
7 47					.5	.7	.1	.1											28		28	327		
4 7 45					.3	.1	.0	.1											7		7	203		
47 43																			1		1	106		
7 41																					3	65		
7 39																						31		
7 37																						16		
7 35																						11		
3 7 32																						6		
TOTAL	1.22	3.32	2.41	0.31	2.2	9.3	4.7	2.3	.5	.2	.1								2790		2799	2790		

Element (X)	Σx'	Σx	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	15778119	205501	73.7	15.028	2790	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	10062729	166071	59.7	6.046	2799			101.3	25.5	3.5		744
Wet Bulb	8374273	152469	54.6	3.875	2790			3.2				744
Dew Point	7200941	141227	50.6	4.325	2790							744

2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON AK 77-82 AUG MONTH

PAGE 1 300-0500 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
7/64				.3													1	1		
7/59		1.6	.3														6	3		
7/57			1.1	.3	.3												5	5	6	3
7/55	.3	9.2	1.6	1.0													37	37	0	4
7/53		12.1	2.9	.7													48	45	43	13
7/51	2.0	13.1	1.6														42	42	47	49
7/49	.3	11.8	2.6														45	45	49	46
7/47	1.3	11.4	1.0	.3													42	42	49	41
7/45		5.9	1.7														21	21	29	42
7/43	.7	6.5	1.6	.3													29	28	24	30
7/41	1.3	3.6	.3														16	15	30	27
7/39	2.0	1.3															10	10	10	28
7/37	.7	.3															3	3	6	14
7/35																				5
7/33																				1
7/31																				1
TOTAL	8.275	9.14	1.2	2.6	1.1												306	306	306	306

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	756797	15173	49.6	4.940	306							93
Wet Bulb	707269	14643	47.9	4.637	306							93
Dew Point	662181	14159	46.3	4.925	306			.3				93

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

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

736 STATION FT. RICHARDSON AK STATION NAME 17-62 YEARS AUG 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															
1 / 67			.2															1	1																	
2 / 65			.2	.4														3	3																	
4 / 63			.4	.6														5	5	1																
7 / 61			.6	.8	1.7	.2												15	13	2	1															
7 / 59		1.1	3.2	.6	.2	.2												28	28	3	1															
7 / 57	.2	3.2	5.0	2.5	.2													66	66	20	18															
8 / 55	.2	1.0	6.3	2.5	.2													101	101	57	18															
4 / 53	.8	8.9	7.6	1.5														99	99	15	52															
7 / 51	1.1	7.6	4.7	.4														69	69	97	103															
7 / 49	.2	7.2	4.3	.4														51	61	89	75															
7 / 47	1.1	6.8	.9	.2														46	45	84	93															
4 / 45	.2	1.2	.2															17	12	39	61															
4 / 43		1.1	.4															8	8	14	57															
4 / 41	.2	.8	.2															6	6	8	23															
7 / 39	.4	.2																3	3	8	0															
7 / 37																					0															
7 / 35																					4															
3 / 33																					1															
TOTAL	4.4	40.2	34.3	10.6	1.3	.2														528	528	528														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3.54598	44316	87.9	2.248	528	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1511926	26156	53.3	4.461	528			62				93
Wet Bulb	1306517	26761	50.7	3.931	528							93
Dew Point	1251296	25612	48.5	4.332	528							93

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

1  
2  
1

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
METEOROLOGICAL WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7736 FT RICHARDSON AK 77-87 77-87 MONTH AUG

PAGE 1 7900-1107  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
47 77				.2																													1	1				
7 71				.2																															2	2		
7 69				.2	.4	.2																												7	7			
6 67			.2	1.5	.4	.4																												15	15	2		
6 65				1.3	2.7	.4																												27	23		1	
4 63			.2	4.2	3.4	2.1	.2																											56	56	6	1	
7 61		.2	3.4	5.3	2.7	.2																												65	65	13	5	
7 59		.6	7.4	6.3	2.6	.6																												91	91	29	3	
7 57		5.5	7.7	4.7	.4																													94	94	65	16	
5 55		5.7	3.6	3.0	.4																													67	68	124	43	
4 53		2.1	4.0	2.1	.2																													44	44	113	99	
7 51	.6	5.7	1.3	.4																														42	42	54	102	
7 49	.2	1.3	.2																															13	13	63	79	
7 47	.2	.6	.2																															5	5	22	90	
4 45		.4																																2	2	4	59	
4 43																																				2	17	
7 41																																					15	
1 37																																					1	
3 33																																					1	
TOTAL		.22	.62	.9	.33	.01	3.3	4.0	.2																										527	527	527	
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Rel. Hum.	306428	39764	75.5	1.27	527																																	
Dry Bulb	1.14193	30.53	58.4	4.638	527			4.4	.7			93																										
Wet Bulb	1544906	28470	54.1	3.590	527			.4				93																										
Dew Point	1349952	26590	50.5	3.990	527							93																										

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

2

FEDERAL BUREAU OF INVESTIGATION  
 METEOROLOGICAL SERVICE/FAO

# PSYCHROMETRIC SUMMARY

STATION: 136 FT. RICHARDSON, AK STATION NAME: 77-80 YEARS: AUG MONTH

PAGE 1 12-10-1960  
 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																	
77						.4																										2	7				
77						.2																										1	1				
75					.1	.4	.7																								4	4					
73					.6	.7																									8	8					
71					.1	.9	.4	.8	.2																						15	15	1				
69					2.7	1.5	1.3																								20	20	1				
67		.2	.2	3.6	2.8	2.8	.3																								60	60	4				
67		.2		2.3	2.5	2.8	.2																								58	58	2	2			
65		.6	1.1	3.4	2.8	2.3	.2																									55	55	18	3		
61		.4	2.3	3.1	2.1	.3																										48	48	40	5		
59		1.3	7.4	3.8	.1	.6																										73	73	55	11		
57		4.6	4.7	4.2	1.1	.2																											75	75	102	47	
55		2.3	2.8	3.4																													48	48	110	83	
53		4.7	1.2	.7																													73	33	76	101	
51		1.7	.2																														10	10	79	89	
49		.2	.2																															5	5	24	24
47		1.1																															6	6	3	72	
45																																			4	4	57
43																																					14
41																																					5
37																																				1	
TOTAL		17.2	20.3	23.9	19.3	14.8	1.2	.6	.2																								578	578	528	528	

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	2723524	3733	70.7	2.675	528							
Dry Bulb	2021433	32533	61.6	5.753	528			111	208	2		93
Wet Bulb	163247	29559	56.0	4.004	528			101				93
Dew Point	1414547	27219	51.6	4.208	528							93

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FEDERAL CLIMATOLOGY BRANCH  
AFATAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION 1734 FT RICHARDSON AK YEARS 77-80 MONTH AUG  
PAGE 1 1978-1980 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
71						.4												3	3																
70						.4												3	3																
70						.4	.4											7	7																
70						.4	.4	.5										5	9																
71					1.0	1.3	2.3	.4										28	28	1															
69					.4	2.1	2.9	2.5	.4									45	45	5															
67		.2	.4	2.1	2.7	4.5	1.2	.4										71	61																
65				2.7	2.7	2.5	.4	.0										46	46	5	0														
63			1.2	3.5	1.0	1.7												43	43	12	5														
61		.4	3.5	3.5	2.0	1.2												57	57	35	4														
59		1.9	6.9	3.7	1.0	.6												74	74	74	11														
57		3.7	3.7	2.1	.6													53	53	118	38														
55		1.9	3.7	3.7	.4													45	45	102	59														
53		2.1	2.7		.2													25	26	66	47														
51		1.7	.8															13	13	56	89														
47		1.0	.4															7	7	76	88														
47																				9	67														
45																					1	35													
43																						17													
41																						7													
37																						1													
TOT		11.9	23.1	20.8	15.6	16.9	7.9	2.3	.6									520	520	520	93														

USAFETAC FORM 0-20-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2033409	35587	68.4	13.905	520			27.9	3.0	.5		93
Dry Bulb	2055924	32547	62.6	6.141	520			1.1				93
Wet Bulb	1360373	29310	56.4	3.999	520							93
Dew Point	1387401	26769	51.5	4.248	520							93



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+

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

736 FT RICHARDSON AK STATION NAME

77-82 YEARS

YEARS

AUG 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																	
76																																		1	1			
75								.4																											2	2		
74								.2	.2	.2																									3	3		
73								.2	.2	.2	.2																								7	7		
72								.4	.6	.6	.6																								9	9	1	
71				.2	.4	1.0	1.0	.4																										19	19			
70			.2	2.6	2.2	2.2	.6																											39	39	2		
69			1.0	2.2	3.2	1.5	.2																											45	45	7	1	
68		.2	4.5	2.0	3.0	1.2																												58	58	13	1	
67		2.4	7.1	4.0	2.2	.4																												61	61	43	4	
66		4.4	6.3	2.6	1.0																													72	72	74	27	
65		4.2	6.2	1.2	1.2																													63	63	117	49	
64	.2	5.2	3.4	.2	.4																													47	47	92	37	
63		4.6	2.4	.2																														76	36	75	62	
62		3.0	.4	.2																														18	18	46	37	
61		.4	.2																															3	3	29	65	
60		.2																																1	1	4	45	
59																																				2	24	
58																																					8	
57																																					3	
56																																					1	
55		.22	.43	1.7	1.6	1.1	7.7	2.4	.4																											504	504	504
TOTAL																																						

Element (X)	Σ X'	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2566125	37469	79.3	12.655	504							
Dry Bulb	1770227	29747	59.0	5.370	504			7.6	1.1	.2		93
Wet Bulb	1493843	27373	54.3	3.777	504			.2				93
Dew Point	1292598	25492	50.5	4.056	504							93

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

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFS/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON AK 77-82 YEARS AUG MONTH

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

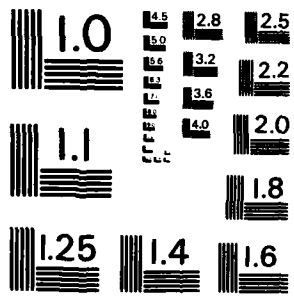
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/ 51						.1	.1											2	3																
2/ 72						.2	.2											6	6																
7/ 77						.2												1	1																
8/ 75						.2	.1	.1										13	13																
4/ 72				.1	.1	.3	.1	.1	.1									21	21																
7/ 71				.2	.4	.5	.3	.5										52	52																
7/ 69			.2	1.1	.9	.8	.1											61	61	7															
6/ 67	.1	.2	1.4	1.5	1.8	.4	.1											156	156	6															
6/ 65	.1	.1	1.6	2.3	1.4	.3	.1											169	169	12	5														
5/ 63	.1	.2	2.6	2.1	1.4	.1												204	204	54	17														
7/ 61	.3	2.7	2.8	2.1	.6													247	247	103	19														
7/ 59	1.5	5.2	3.3	1.3	.4													305	305	201	36														
7/ 57	.3	3.8	5.1	2.9	.7	.1												365	365	391	134														
6/ 55	.1	5.3	4.2	2.4	.4													356	359	516	233														
4/ 53	.2	5.4	3.7	.6	.1	.1												297	297	496	461														
7/ 51	.5	4.9	1.7	.2														212	212	435	519														
7/ 49	.1	3.6	1.3	.1														149	149	299	463														
7/ 47	.3	2.8	.3	.1														104	104	201	446														
7/ 45	.1	1.1	.1															36	36	91	279														
4/ 43	.1	.2	.2	.0														36	36	42	127														
7/ 41	.2	.5	.1															2	22	38	60														
7/ 39	.3	.2																13	13	26	41														
7/ 37	.1	.0																3	3	6	22														
7/ 35																					9														
3/ 33																					3														
7/ 31																					1														
TOTAL	1.9	50.4	26.3	18.5	12.0	7.8	2.1	.6	.1									2913	2914		2913														

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	17357953	221485	76.0	17.338	2913	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	9933951	169002	58.0	6.742	2914			87.6	11.2	1.3		744
Wet Bulb	436054	156136	53.6	4.814	2913			3.8				744
Dew Point	7358005	145727	50.0	4.569	2913							744

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





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

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7736 FT RICHARDSON AK 77-87 SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
59								.4																								1	1		
57								1.1	1.1																							5	9		
55				.4	.4	.7																									4	4			
53			1.1	2.5																											10	17	4	3	
51			2.5	2.1	1.8																										18	18	6	5	
49		.4	4.6	1.8	1.1																										22	22	27	0	
47			6.0	2.5	.4																										25	25	26	15	
45		.4	1.1	.7	.4																										37	37	28	31	
43		1.1	1.4	1.1																											38	38	51	31	
41		1.4	7.1	.4	.4																										26	26	32	41	
39		1.4	3.9	1.1																											18	18	22	47	
37		2.3	3.9																												19	19	22	19	
35			2.5	1.1																											10	13	11	17	
33		.4	6.0																												16	18	15	11	
31		.7	5.3	.4																											17	17	20	24	
29		1.1																													3	3	13	14	
27			1.1																												3	4		7	
25			.7																												2	2	5	4	
21		.4																													1	1	1	5	
19																																			0
Tot		12.0	67.6	14.2	4.3	2.5	1.4																								281	282		261	

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2110670	29178	86.1	10.408	281	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	53490	12152	43.1	7.267	282		8.6					54
Wet Bulb	489451	11589	41.2	6.416	281		12.5					94
Dew Point	491328	10980	39.1	6.623	281		17.9					53

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

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

71736 FT RICHARDSON AK 77-82 SEP  
STATION MONTH  
PAGE 1 0600-0600  
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 63					.2																												1	1		
47 59					.4			.6																									5	5	1	
47 57				.4	.6	1.4		.2	.2																								14	14		
57 55			.2	1.0	.2	1.0																											12	12	1	
47 53			1.2	2.2	.8	.2																											72	27	5	
47 51		.4	1.6	2.7	1.2	.2																											50	30	20	
47 49		.2	5.7	3.1	2.5																												56	56	73	
47 47		.4	9.4	1.4	.6																												56	58	67	
47 45		.2	9.8	2.9	.6																												66	66	67	
47 43		1.4	7.2	2.2	.8																												57	57	75	
47 41		1.4	5.3	2.0																													43	43	50	
47 39		1.6	3.1	.8																													27	27	53	
47 37		.4	3.3	.4																													22	22	18	
47 35		.8	2.7	.6																													20	20	27	
47 33		.4	2.9	.2																													17	17	18	
47 31		1.0	4.3	.2																													27	27	27	
47 29		.4	.6	.2																													0	6	14	
47 27			.6																														3	3	4	
47 25			.2																														1	1	5	
47 23			.2																														1	1	1	
47 21			.2																														1	1	1	
47 19																																				4
47 17																																			1	
TOTAL		6.858	520.9	8.3	2.9	.8	.2																										489	489	489	

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	347757	40489	83.6	10.046	489	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	87674	21702	44.4	7.090	489		7.2					90
Wet Bulb	86911	20597	42.1	6.297	489		9.6					90
Dew Point	785379	19329	39.5	6.614	489		14.7					90

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

0736 FT RICHARDSON AK 77-82 SEP MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7/67																			1	1																
67/65			.4																2	2																
67/63						.2													1	1	1															
61/61					.5	.4	1.2												12	12	2	1														
59/59			.4	.5	2.3	1.4													24	24																
57/57		.2	1.2	2.5	1.8	.2													28	28																
5/55		1.4	2.3	3.9	2.4														47	47	9															
4/53		2.3	3.4	5.3	.6	.2													72	72	25	7														
3/51	.2	3.3	5.6	1.3															58	58	65	17														
1/49	.2	4.9	5.1	2.1															50	60	90	39														
1/47		7.7	5.3	1.2															66	67	84	48														
4/45		3.5	4.7	.6															43	43	72	65														
47/45		2.3	3.3	.5	.2														31	31	44	62														
7/41	.8	1.2	1.2	.6	.2														19	19	40	42														
1/39	.7	.8	1.4																12	12	21	44														
7/37		.4	.6	.2															6	6	18	25														
1/35		.4																	2	2	3	24														
2/23		.6	.2																4	4	6	9														
1/31																					4	17														
1/29																						3														
1/27																						5														
1/25																						4														
1/23																						1														
2/21																						1														
TOTAL	1.427	9.39	5.23	.5	7.4	3.3													488		488	488														

USAFETAC FORM 0-26-5 (DL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	X <sub>1</sub> '	X <sub>2</sub>	X	S <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature	Total					
						≤ 30 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2.67521	36991	75.801	928	488							
Dry Bulb	1257572	24636	57.4	5.631	489			2				90
Wet Bulb	1072266	22748	46.6	4.938	489			7				90
Dew Point	906719	20863	42.8	5.510	488		5.3					90

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 736 FT RICHARDSON AK 77-80 SFP  
STATION STATION NAME YEARS MONTH  
PAGE 1 1270-1400  
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															
6 / 67				.6		.2																										4	4		
6 / 65					.2	1.0			.4																							11	11		
4 / 63				.6	1.4	1.8	.4																									21	21	1	
4 / 61				1.2	2.7	1.2																										25	25	2	
4 / 59			1.4	3.3	1.8	1.6																										40	40	2	
4 / 57		.8	2.9	4.9	2.1	.2																										58	58	6	
5 / 55		.4	3.1	4.3	1.6	.4																										49	49	37	
4 / 53		1.6	5.3	5.3	1.2																											66	66	51	
4 / 51		4.1	5.1	4.1	1.2																											71	71	73	
4 / 49	.4	4.5	4.7	2.9	.2																											62	62	105	
4 / 47	.8	3.1	2.3	.6	.4																											35	35	79	
4 / 45	.8	2.3	.8	.4																												21	21	63	
4 / 43	1.0	.5	.4	.4																												12	12	25	
4 / 41	.6	.6	.4	.2																												9	9	17	
4 / 39	.2	.4	.6	.4	.2																											3	3	13	
4 / 37																																8	8	16	
4 / 35		.2																														1	1	4	
3 / 33																																			7
4 / 31																																			15
4 / 29																																			3
4 / 25																																			4
TOTAL	2.0	17.2	24.5	29.5	15.8	6.6	.4		.4																							488	488	488	

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2577678	34923	71.6	12.728	488	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1423611	26213	53.7	5.655	488			.7				90
Wet Bulb	1173139	23877	48.9	4.504	488							90
Dew Point	971485	21623	44.3	5.242	488		3.1					90



FEDERAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

72736 FT RICHARDSON AK  
 STATION STATION NAME

77-82  
 YEARS

SEP  
 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																
0 / 67				.2	.4		.4																										7	7		
6 / 65				.4	.6		.6																										16	16		
4 / 63			.2	.4	1.2	1.2	.6																									20	20	1		
6 / 61				1.2	1.2	1.7	.2																									18	18			
1 / 59			.8	3.1	1.7	1.2																										33	33	12		
1 / 57		.6	3.7	5.4	3.3	.8																										67	67	11		
5 / 55	.2	.2	3.3	6.2	2.3	.6																										62	62	33		
4 / 53		3.3	3.1	4.6	1.7																											61	61	52		
2 / 51	.2	4.0	6.7	3.1	.4	.2																										71	71	74		
1 / 49	.2	2.7	5.2	.8	.2																											48	48	96		
1 / 47	.6	2.5	3.3	1.5	.6																											41	41	90		
0 / 45		1.0	1.0	1.0																												15	15	60		
4 / 43		1.0			.8	.8																										13	13	20		
2 / 41	.4	1.0		.6																												10	10	22		
1 / 39	.2	.2																														2	2	7		
2 / 37																																			6	
2 / 35																																			6	
2 / 33																																				
2 / 31																																				
2 / 29																																				
1 / 27																																				
2 / 25																																				
1 / 23																																				
TOTAL	1.9	16.7	27.7	29.6	17.1	5.8	1.2																									480	480	480		

Element (X)	Zg'	Zg	X	°s	No. Obs.	Mean No. of Hours with Temperature					
						≤ 67 F	≤ 73 F	≤ 79 F	≤ 85 F	≤ 91 F	
Rel. Hum.	2500608	34139	71.1	12.367	480						
Dry Bulb	1917825	25941	59.2	5.757	480			1.3			9.7
Wet Bulb	1172144	23514	49.2	4.645	480						9.0
Dew Point	963997	21357	49.5	5.357	480		3.0				9.0

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

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

77736 FT RICHARDSON AK

77-87

YEARS

SEP  
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
67 65				.2		.2												2	2	
47 63				.2		.4												3	3	
27 61			.2	.6	.6	.2												8	8	
17 59			.6	.2	.5		.2											8	9	1
7 57			1.3	2.6	2.2													28	28	2
57 55		.9	2.4	2.2	1.9	.2												35	35	10
47 53	.2	2.8	4.8	3.9	1.1													59	59	21
27 51		6.9	6.1	2.6	.2													73	73	43
57 49		9.1	3.5	.9														62	62	95
47 47		6.3	4.3	1.5														56	56	96
47 45		8.3	1.9	.4														48	48	61
47 43		3.2	2.2															24	24	55
27 41		3.5	1.7		.2													25	25	34
47 39		1.7	.4															10	10	26
77 37		1.3	1.3	.2														13	13	13
77 35																				8
37 33		.2	.6															4	4	5
27 31			.9															4	4	3
77 29																				1
77 27																				4
77 25																				5
77 23																				1
27 21																				3
77 19																				1
77 17																				1
TOTAL		.243	.732	.315	.6	6.9	1.1	.2										462	462	462
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	° <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	2877793	36245	73.5	10.852	462	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	90								
Dry Bulb	1149037	22981	49.5	5.960	462		.8					90								
Wet Bulb	100984	21376	46.3	5.970	462		1.6					90								
Dew Point	863405	19403	42.9	5.623	462		3.7					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**

77-736 FT RICHARDSON AK 77-87 SEP  
STATION STATION NAME YEARS 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
67/67				.1	.1	.0	.1										17	12	
67/65			.1	.1	.3			.1									31	31	
67/63			.3	.3	.7	.2											46	46	3
67/61			.7	.9	.7	.7											63	63	4
67/59			.8	1.4	1.2	.9											111	111	16
67/57		.3	1.7	2.9	2.3	.4											204	204	21
67/55	.7	.8	2.2	3.1	1.7	.2											209	269	89
67/53	.1	2.1	4.2	3.6	.7	.3											290	290	161
67/51	.1	3.6	5.1	2.5	.4	.3											321	321	261
67/49	.2	5.3	4.1	1.7	.1												306	306	435
67/47	.3	5.7	3.2	1.0	.2												211	282	432
67/45	.1	5.4	2.4	.7	.1												270	230	351
67/43	.4	3.6	1.6	.5	.3												175	175	270
67/41	.7	2.7	1.0	.3	.1												132	132	195
67/39	.6	1.5	.8														72	72	136
67/37	.4	1.3	.5	.1													60	60	83
67/35	.1	.8	.3														33	33	65
67/33	.1	1.3	.2														43	43	42
67/31	.3	1.3	.2														45	48	54
67/29	.2	.1	.3														9	9	28
67/27		.2															7	7	8
67/25		.1															3	3	10
67/23		.3															1	1	1
67/21	.1	.3															2	2	2
67/19																			
67/17																			
TOTAL	3.8	36.3	26.1	13.9	9.2	3.3	.4	.1									2688	2688	2688

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	16431777	27357	77.1	12.737	2688	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb	6774233	133525	49.6	7.378	2690		18.7	3.2				720
Wet Bulb	5799725	123801	46.1	6.034	2688		27.6					720
Dew Point	4932309	113955	42.4	6.140	2688		58.1					720

USAFETAC FORM 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**

77736 FT RICHARDSON AK 77-82 OCT  
STATION STATION NAME YEARS MONTH

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

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

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
4 / 53			.4														1	1	
2 / 51			.7			.4											3	3	
4 / 49		.4			.4												4	4	1
4 / 47		1.1	1.1	.4													7	7	3
4 / 45	.4	1.8	1.1	1.1													12	12	5
4 / 43	.4	3.6	1.4	.4													16	16	14
4 / 41	1.4	3.2	1.4	.4	.4												19	19	12
4 / 39	1.1	2.5	1.4														14	14	14
4 / 37	1.1	6.0															20	20	19
4 / 35	1.8	3.9	.4														17	17	24
3 / 33	2.8	5.0	.7														24	24	24
2 / 31	4.3	12.1	1.1														49	49	35
2 / 29	4.6	4.6															26	26	33
2 / 27	.4	4.6															14	14	17
2 / 25	1.8	1.4	.4														10	10	14
2 / 23	.7	2.5	.4														10	10	9
2 / 21		.4															1	1	6
2 / 19	.7	1.8															7	7	7
1 / 17		.4															1	1	8
1 / 15		2.8															8	8	6
1 / 13	.4																1	1	2
1 / 11	1.4	.7															6	6	4
1 / 9		.4															1	1	2
1 / 7		.4															1	1	1
1 / 5		.4															1	1	2
1 / 3		.4															1	1	1
1 / 1																	1	1	2
1 / -1	1.1																3	3	2
1 / -3																			1
1 / -5	.7																2	2	1
1 / -7	.4																1	1	1
1 / -9	.4																1	1	3
1 / -11																			1
1 / -13																			1
Element (X)	Σx'	Σx	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR LEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 736 FT RICHARDSON AK YEARS: 77-82 MONTH: OCT  
 PAGE: 2 HOURS (L. S. T.): 0300-0500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
/-01																				1
/-25																				1
12L	2	66	110	3	2.5	1.4													261	261
																			261	261

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2032762	23686	84.301	406	281							
Dry Bulb	320457	9709	32.110	632	281	2.3	47.7					9.7
Wet Bulb	292894	8620	30.710	883	281	2.3	52.3					9.3
Dew Point	252911	7781	27.701	550	281	3.6	59.9					9.3

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

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72736 FT RICHARDSON AK

77-82

OCT  
 MONTH

PAGE 1 6670-0800  
 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 / 53			.2															1	1					
47 / 51			.4		.2													4	4					
57 / 47		.2	.8	.2	.2													6	6	2				
47 / 47		.8	.8	.2														0	0	2				
47 / 45		.8	1.2	.2														11	11	6				
47 / 43	.8	2.8	1.8	.8														21	31	22				
47 / 41	.4	2.6	2.4	.4														29	29	22				
47 / 39	2.2	4.4	1.6															41	41	45				
37 / 37	1.4	4.0	.4															29	29	40				
37 / 35	2.4	4.8	.2															37	37	39				
37 / 33	3.4	4.8	.2															42	42	44				
27 / 31	4.6	2.2	.4															90	90	54				
7 / 27	4.6	7.3	.4															62	62	75				
7 / 27	2.2	2.8																25	25	55				
7 / 25	.3	2.8	.2															19	19	44				
27 / 23	.6	.8	.2															8	8	17				
27 / 21	.2	1.4																6	8	10				
7 / 19	1.0	.3																5	9	8				
7 / 17	.2	.6																4	4	2				
7 / 15		1.6																8	8	4				
7 / 13		.8																4	4	7				
7 / 11	1.6	.4																10	10	12				
7 / 9		.6																3	3	7				
7 / 7		.4																2	2	9				
7 / 5																				2				
7 / 3																				5				
7 / 1																				4				
7 / -1	.2																	1	1	2				
-7 / -3	.3	.2																5	5	4				
-7 / -5	.8	.2																5	5	5				
-7 / -7	.2																	1	1	2				
-7 / -9																				1				
-7 / -11																				6				
-7 / -17																				1				
Element (X)	Σ x <sup>2</sup>	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 93 F													
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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



GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7736 FT RICHARDSON AK 77-80

YEARS

OCT  
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		
47 53				.2														2	7				
47 51			.2	.6	.4	.2												7	7				
47 47			1.8	1.4														14	14				
47 45			2.8	2.6	.6	.2												20	20	7			
47 43		.2	4.2	2.6	1.6													43	43	18	19		
47 41		.6	3.6	2.6														31	31	36	31		
47 39		.4	4.2	2.4	.6	.4												40	40	49	34		
47 37		2.2	5.4	2.6	.2													49	49	40	39		
47 35		1.6	3.6	2.6														36	36	50	49		
47 33		1.4	4.9	2.2														63	63	38	39		
47 31		3.8	8.9	.6														67	67	34	65		
47 29		5.2	2.6															39	39	65	48		
47 27		.4	1.6	.2														11	11	21	22		
47 25		.6	1.6	.5														11	11	9	27		
47 23			.6															3	3	7	14		
47 21		.4	.6	.4														6	6	6	9		
47 19		.4	1.2	.2														5	9	8	11		
47 17			.6															4	4	6	3		
47 15			.6															3	3	3	6		
47 13		.2	.6															4	4	3	4		
47 11			.6															3	3	3	5		
47 9			.2															1	1	3	3		
47 7			.6															3	3	2	4		
47 5			.6															1	1	3	4		
47 3			.4															2	2	2	4		
47 1		.2																1	1	1	4		
47 -1		.2																1	1	1			
47 -5																					4		
47 -7																					1		
47 -9																					1		
TOTAL	17	154	122	4	5	2	1	1	.2	.3								504	504	504	504		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	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	6736.3	178.9	35.6	8.798	504	.2	31.2					93
Wet Bulb	603.44	16.48	3.3	8.116	504	.2	41.9					93
Dew Point	509.12	153.64	30.5	8.990	504	1.1	54.1					93

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





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FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

77-736 FT. RICHARDSON, AK 77-80  
 STATION STATION NAME YEAR MONTH  
 PAGE 1 1970-1970  
 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 / 65					.2			.4																									2	3	
47 / 53						1.		.2																									2	4	
47 / 51			.4		.4																												2	4	
47 / 47			.8	2.7	1.5	.4																											24	24	2
47 / 45			.4	3.2	1.6																												26	24	17
47 / 43		.2	2.7	3.2	1.4																												24	34	25
47 / 41	.2	6.6	2.8	.6	.4																												42	43	45
47 / 37	.2	5.4	2.0																														31	37	46
47 / 35	.6	4.4	2.4	.6																													40	40	47
47 / 33	.4	5.7	1.8																														36	36	44
37 / 33	.2	3.0	.6																														72	53	54
37 / 31	5.5	6.8	.4																														75	75	87
27 / 27	1.4	.4	.2																														10	10	44
27 / 25		1.2	.4																														8	5	4
27 / 23	.2	.6	.4																														6	6	1
27 / 21	.2	.6	.4																														11	11	9
27 / 17	.4	1.8	.2																														5	5	9
17 / 17		.2																															1	1	4
17 / 15		1.2																															6	6	3
17 / 13		.6																															3	3	3
17 / 11	.2	.8																															5	5	4
17 / 9		.4																															2	2	5
17 / 7																																			
17 / 5																																			
17 / 3																																			
17 / 1																																			
TOT	17.3	3.2	2.3	7.8	3.2	.2																											496	478	474

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total		
Rel. Hum.	3393	327	40591	61.5	12.22	498	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	732543		18637	37.3	8.576	498		25.3					93
Wet Bulb	45367		17519	35.2	7.648	498		31.3					93
Dew Point	540132		15890	31.9	8.169	498		48.3					93

2

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE  
 WEATHER SERVICE/MAF

# PSYCHROMETRIC SUMMARY

STATION: FT. RICHMOND, AR      YEARS: 77-80      MONTH: OCT

PAGE 1      1977-2000  
 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				
70																																			1	1				
71																																			1	3	1			
72																																			17	17	6	1		
73																																			15	13	6	9		
74																																			22	32	24	4		
75																																			72	32	35	24		
76																																			45	48	49	27		
77																																			71	31	43	26		
78																																			36	36	29	47		
79																																			57	57	61	33		
80																																			48	39	72	101		
81																																			77	27	58	46		
82																																			11	11	12	34		
83																																			15	15	17	27		
84																																			2	2	9	9		
85																																			9	9	1	15		
86																																			4	4	8	12		
87																																			3	3	7	1		
88																																			5	5	4	11		
89																																			7	7	4	1		
90																																			8	9	11	4		
91																																			4	4	7	2		
92																																					1	7		
93																																						1		
94																																				2	2	2	9	
95																																				2	2	1	4	
96																																				1	1	2	1	
97																																				1	1	1	2	
98																																						1		
99																																						1		
100																																						1		
TOTAL																																					476	476	476	

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

Element (X)	Zg'	Zg	I	%	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	342.793	400.1	84.2	10.645	476							
Dry Bulb	598128	16302	38.2	9.156	476	.4	36.9					93
Wet Bulb	41218	15532	32.6	8.597	476	.6	42.2					93
Dew Point	465238	14184	29.6	9.468	476	1.4	56.7					93

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73c STATION ET RICHARDSON AM 77-67 YEARS MONTH ALL

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 55				.1	.1	.0												5	5																
1 / 53			.1	.1	.2	.1												16	16																
1 / 51			.1	.3	.5	.0												38	38																
1 / 49		.3	1.4	1.2	.3													25	25	7															
1 / 47		.7	2.3	.9	.1													113	113	49	5														
1 / 45	.1	1.8	2.1	.9														136	136	46	22														
1 / 43	.3	4.0	2.1	1.0	.1													209	209	199	75														
1 / 41	.5	4.2	2.4	.4	.2													213	213	200	155														
1 / 39	.8	4.8	2.1	.2	.1													223	224	255	196														
1 / 37	1.2	4.4	1.7	.2														209	209	238	212														
1 / 35	1.1	4.8	1.3															201	201	233	271														
1 / 33	2.4	7.2	.9															286	288	282	264														
1 / 31	4.0	1.2	.7															436	436	390	484														
1 / 29	3.2	2.9	.3															175	175	318	277														
1 / 27	.5	1.9	.2															73	73	126	222														
1 / 25	.7	1.4	.4															68	63	75	149														
1 / 23	.3	.6	.2															30	30	50	64														
1 / 21	.6	.9	.1															41	45	55	67														
1 / 19	.4	.9	.1															38	38	38	73														
1 / 17	.2	.4	.1															14	14	14	36														
1 / 15		1.4																39	39	22	38														
1 / 13	.1	.7																21	21	29	14														
1 / 11	.6	.6																33	33	36	23														
1 / 9	.2	.4																13	13	24	11														
1 / 7		.2																6	6	6	31														
1 / 5		.1																2	2	7	6														
1 / 3		.2																5	5	5	17														
1 / 1	.1	.3																3	3	2	18														
1 / -1	.2																	6	6	7	5														
1 / -2	.2																	6	6	5	3														
1 / -3	.3	.3																7	7	7	7														
1 / -4	.1																	2	2	3	3														
1 / -5	.3																	1	1	1	7														
1 / -6																																			
1 / -7																																			
1 / -8																																			
1 / -9																																			
1 / -10																																			
1 / -11																																			

FORM 0-26.5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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												

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CENTRAL CLIMATOLOGY BRANCH  
 AFSTAC  
 FATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

736 FT RICHARDSON A4 77-82 303  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 ALL  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7-15																					1															
7-17																					1															
7-19																					1															
7-21																					1															
7-25																					1															
TOTAL	1	55	319	2	5.3	1.7	2	2											2770		2769															
																			2769		2769															

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	1392477	229547	67.9	11.456	2769							744
Dry Bulb	36644	97298	35.1	9.442	2770	5.0	274.8					744
Wet Bulb	320944	72234	33.3	8.683	2769	6.2	325.1					744
Dew Point	2777187	83677	30.2	9.476	2769	10.2	430.4					744

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

CENTRAL CLIMATOLOGY BRANCH  
 WASH DC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: FT RICHARDSON AK STATION NAME: YEARS: 77-82 MONTH: NOV

PAGE 1 7300-0500  
 HOURS (L. S. T.)

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

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		.5																															3	3		
45			.5																														1	1	1	1
43		1.4	.9																														5	5	1	1
41			.5	.5																													2	2	0	2
39	.5		.5	.5																													3	3	3	2
37		.5																															1	1		2
35		1.4																															3	3	3	2
33		2.3	1.4																														8	8	7	3
31	1.4	6.8																															19	19	9	11
29	1.4	2.3	.5																														10	10	19	9
27	1.4	3.6																															11	11	15	13
25	1.4	5.9	.9																														18	18	11	10
23		3.6	.5																														9	9	17	7
21	3.2	2.3																															12	12	14	9
19	5.0	5.0																															22	22	17	30
17	1.8	5.4																															16	16	14	3
15	.5	2.3																															6	6	11	13
13	2.7	1.8																															10	10	9	5
11	3.6	2.7																															14	14	12	17
9	2.3	1.4																															6	6	12	11
7	1.4	.9																															6	6	6	15
5	3.2	.5																															6	6	10	7
3	2.7	1.4																															9	9	9	7
1	3.6	.5																															9	9	9	13
-1	1.4																																3	3	3	8
-3	.5																																2	2	2	4
-5	.5																																1	1	1	4
-7	.5																																1	1	1	1
-9	.5																																1	1	1	1
-11																																				
-13																																				
-15																																				
TOTAL	40.7	52.0	5.4	1.8																													221	221	221	221
Element (X)	ΣX²	ΣX	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.	1036714	18290	2.8	10.008	221	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	113494	4422	20.1	11.680	221	3.3	79.4					90																								
Wet Bulb	107794	4224	19.1	11.791	221	3.3	61.4					90																								
Dew Point	83973	3421	15.5	11.874	221	9.8	85.1					90																								

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

77736 FT RICHARDSON AK 77-62 YEARS NOV  
STATION STATION NAME MONTH  
PAGE 1 2600-0800  
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			.2	1.7																												9	9				
46			.6	.6																													10	10	5	1	
44		.2	.2	.6	1.1																												8	8	8	1	
41			.8	.6	.2																												5	5	14	5	
37		.2	.6	.2																													4	4	9	14	
35			1.3	.4																													8	8	3	17	
33		.2	3.8	.8																													23	23	17	5	
31		2.1	5.1	.6																													37	37	27	31	
29		3.1	1.7																														22	22	37	5	
27		1.5	4.9	.4																													32	32	30	21	
25		1.1	4.9		.4																												30	30	29	31	
23		.6	1.7	.2	.2																												13	13	23	14	
21		3.4	2.8	.2																													30	30	28	31	
19		5.7	5.3	.2																													53	53	42	36	
17		3.4	4.7																														36	33	41	31	
15		1.5	1.7																														15	15	27	33	
13		3.1	2.3																														25	25	16	24	
11		1.1	.6																														12	12	20	35	
9		1.9	1.9																														18	18	14	17	
7		1.7	1.3																														14	14	16	15	
5		1.7	.2																														9	9	14	17	
3		2.5	.6																														15	15	14	17	
1		2.3	1.7																														19	19	16	25	
-1		1.3																															6	6	8	17	
-3		1.1																															5	5	5	11	
-5		.4																															2	2	2	10	
-7		.2																															1	1	1	4	
-9		.4																															2	2	2	0	
-11																																					
-13																																					
-15																																					
TOTAL	41.44	.6	5.5	4.5																														471	471	471	

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

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\geq 0$ F	$\geq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	
Rel. Hum.	327368	38958	62.71	0.782	471							
Dry Bulb	279519	13045	21.31	1.786	471	3.1	76.1					96
Wet Bulb	242265	9574	20.31	1.75	471	3.4	79.1					92
Dew Point	198204	7670	16.71	1.913	471	9.2	83.9					50





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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1735 FT RICHARDSON AK 77-82 NOV  
STATION STATION NAME YEARS MONTH

PAGE 1 1230-1467  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4				.4	.2													3	3																
4			1.1	.4														4	8																
4			.8	.2														5	5	3															
4			.6	.2														5	5	7															
4		1.5	.4	.4														11	11	12	3														
4	.2	.8	1.3															11	11		15														
4		1.7	1.1															13	13	6	4														
4		3.8	.4	.2														21	21	14	5														
3	.4	5.5	.8															42	37	31	11														
3	1.3	5.5	1.2															41	41	34	43														
3	2.1	5.4	2.7															63	63	36	12														
3	2.7	5.3	.6	.4														43	43	16	30														
3	.4	3.4	.6	.2														42	22	41	47														
3	.6	2.5																15	15	22	19														
3	2.1	4.2	.7															43	33	37	34														
3	5.3	4.6	1.1															52	52	42	21														
3	1.7	4.7	.2	.2														29	29	28	39														
1	2.5	3.2																27	27	35	37														
1	1.9	3.2																24	24	16	34														
1	.6	.9																7	7	19	21														
1	.2	.6																4	4	7	19														
1	.2																	1	1	2	14														
1	.1																	1	1	1	13														
1	.4																	2	2	2	8														
1	.2																	1	1	1	6														
1	-1																	1	1	1	1														
1	-5																				2														
1	-7																				1														
1	-15																				1														
TAL	2.7	4.5	7.1	4.3	2.7	.2													474		474														
																			474		474														

Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3120872	38098	80.4	1.142	474	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	360519	12527	26.4	8.898	474		69.3					90
Wet Bulb	327771	11831	25.0	8.285	474		74.2					90
Dew Point	248700	9944	21.0	9.246	474	.9	82.6					90

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

2

FEDERAL BUREAU OF SURVEY  
 CLIMATE BRANCH  
 METEOROLOGICAL SERVICE/AC

PSYCHROMETRIC SUMMARY

7736 FT RICHARDSON AM 77-87 NOV  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1920-1700  
 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																		
4				.2	.2																														2			
47		.4	.6	.2																															6	6		
45		1.5	.2																															2	2			
42			.6																															3	3	5	1	
41	1.1	.2																																6	6	8	1	
3	1.1	.9	.2																															10	10	5	6	
37	.2	1.5	1.5	.4																														17	17	3	1	
35		3.2	.6																															18	18	18	3	
33	.2	2.5	.2																															15	15	20	14	
31	1.5	7.3	.4																															43	43	27	33	
29	3.4	5.6	1.5																															46	49	47	25	
27	1.7	7.3	.6																															45	45	44	30	
25	.6	5.4	.2																															39	29	45	46	
23	.4	2.1	.2																															13	13	26	15	
21	2.7	2.8	.4																															28	28	29	25	
19	6.7	3.6	.6																															48	43	39	54	
17	1.1	3.9	.2																															24	24	24	34	
15	2.4	1.5																																18	18	27	31	
13	1.1	1.9																																14	14	10	25	
11	3.9	1.3																																24	24	27	15	
9	2.1	.4	.2																															15	13	16	18	
7	1.1	.9	.2																															10	10	11	21	
5	.6	.2																																4	4	6	13	
3	2.4	.4																																13	13	13	13	
1	.4	.6																																5	5	4	14	
-1	.4																																	2	2	3	6	
-3																																					4	
-5																																					5	
-7																																					1	
-9																																					2	
-11																																						
TOTAL	22.3	55.2	10.1	2.1	.2																														467	467	467	

Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	F <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3173505	38101	81.7	10.89	467							
Dry Bulb	325218	11354	24.3	10.272	467		.4	73.6				90
Wet Bulb	291982	10780	23.1	9.611	467		.6	76.7				93
Dew Point	224453	9023	19.3	10.371	467		3.5	82.9				92

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

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**PSYCHROMETRIC SUMMARY**

7 736 FT RICHARDSON AK 77-62 YEARS NOV MONTH  
 STATION STATION NAME

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																
2 / 1				.9																												4	4			
4 / 47			.4	.7																												5	5			
4 / 45			.4		.2																											5	3	4		
4 / 43		.2	.7	.4																												6	6	5		
4 / 41		.4	.2																													3	3	6	1	
4 / 3			1.6	.4																												9	9	3		
3 / 37		2.0	.4																													11	11	3	7	
3 / 35		2.7	.2																													13	13	14	4	
3 / 33	.7	4.0	.2																													12	22	15	3	
3 / 31	.4	4.2	1.6	.2																												29	29	26	29	
3 / 27	2.7	4.0																														30	30	25	26	
3 / 27	1.8	4.2	.2																													23	29	4	19	
3 / 25	7.9	7.8	.9																													52	52	44	33	
2 / 23	.2	3.1																														18	19	33	17	
2 / 21	2.1	2.7																														21	21	26	30	
2 / 17	6.0	2.9	.2																													41	41	33	51	
2 / 17	1.1	3.5																														21	21	18	35	
2 / 15	.7	2.9																														16	16	19	21	
2 / 13	2.2	.9																														14	14	20	21	
2 / 11	2.0	2.0																														18	18	12	16	
2 / 9	2.4	.4																														13	13	22	19	
2 / 7	2.0	.7																														12	12	12	10	
2 / 5	1.0																															6	5	6	8	
2 / 3	3.6	.4																														19	19	18	17	
2 / 1	4.0	.7																														21	21	21	25	
2 / -1	2.2																															10	10	11	14	
2 / -3	1.1																															5	5	5	11	
2 / -5	.2																															1	1	1	3	
2 / -7																																			R	
2 / -9																																			2	
2 / -11																																			1	
2 / -13																																			1	
2 / -15																																			1	

USAFETAC FORM NO. 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Z <sub>g</sub> '	Z <sub>g</sub>	X	σ <sub>g</sub>	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

FEDERAL CLIMATOLOGY BRANCH  
 SAFETY AC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON AK 7-40 NOV  
 STATION STATION NAME YEARS MONTH  
 FACT 1 ALL  
 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																
7 51					.1																											4	4		
7 4					.2			.1																								7	7		
7 47		.2	.3	.7																												36	36		
7 45			.3	.5																												32	32	12	
47 43	.3	.5	.7																													40	40	32	
47 41	.5	1.0	.4	.2																												40	40	30	
7 3	.2	.5	.9	.2																												46	46	47	
7 37	.1	1.2	.6	.2																												52	52	43	
7 35	.2	2.5	.5	.3																												76	76	61	
7 33	.4	3.6	.5	.1																												115	115	110	
7 31	1.3	5.7	.9	.2																												202	202	147	
7 29	2.6	4.8	.9																													211	211	176	
7 27	1.9	5.7	.4	.1																												205	205	276	
7 25	1.2	5.4	.5	.2																												187	187	218	
7 23	.8	2.6	.1	.1																												187	187	194	
27 21	2.4	3.1	.2																													152	152	153	
7 19	5.4	4.4	.4																													262	262	211	
7 17	1.7	3.8	.2	.1																												146	146	149	
7 15	1.7	2.3																														163	163	139	
7 13	2.3	2.3																														110	110	96	
7 11	2.3	1.4																														95	95	111	
7 9	1.6	1.1	.1																													70	70	36	
7 7	1.2	.4	.1																													53	54	58	
7 5	1.2	.2																														36	36	51	
7 3	2.1	.7																														70	70	68	
7 1	1.8	.7																														64	64	62	
7 -1	.5																															24	24	28	
-7 -3	.5																															14	14	14	
-7 -5	.2																															5	5	5	
-7 -7	.1																															2	2	2	
-7 -9	.1																															3	3	3	
-7 -11																																			
-17 -13																																			
-17 -15																																			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

738 STATION FT RICHARDSON AK 77-80 MONTH YEARS

PAGE 1 11/12-55-0 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
44			.4															2	2																
41			.4															1	1	2															
38		.4	1.3	.4														5	5																
37			.4															2	2		1														
35		.4																3	3	8	1														
32		1.0																4	4		1														
31	.4	1.3	.4															4	5	6	5														
29	.4	.9	.4															6	6		2														
27	.4	2.2																6	5	4	5														
25	2.2	2.7																11	11	14	9														
23		3.1	.4															8	9	10	3														
21	2.7	2.7	.4															13	13	14	7														
19	3.1	3.8	.4															11	11	15	10														
17	.9	3.1																9	9	12	14														
15	.9	3.1																9	9	12	10														
13	2.7	3.1																13	12	15	14														
11	.4	2.2																6	6	8	2														
9	.4	3.1																6	6	8	2														
7	.4	2.7																7	7	11	3														
5	1.0	.9																6	6	7	3														
3	1.0	.9																6	6	7	3														
1	4.5	3.1																17	17	15	11														
-1	1.0																	4	4	6	7														
-3		1.3																2	5	2	10														
-5	2.7	.9																6	4	6	6														
-7	3.1																	7	7	9	4														
-9	3.1																	7	7	7	7														
-11	4.5																	9	9	9	7														
-13	1.0																	4	4	4	5														
-15	1.0																	4	4	4	2														
-17	.9																	2	2	2	2														
-19	2.7																	5	6	6	10														
-21																					2														
-23																					2														
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26.5 (O. L. A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL SERVICE  
U.S. WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

736 FT. RICHARDSON AK 77-87  
STATION STATION NAME YEARS MONTH DEC  
PAGE 0308-0509  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7-25	.4																																		
7-29																																			
7-35																																			
7-39																																			
7-59																																			
T.T.L.	46.446.0	7.1	.4																224	224	224														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1356314	17159	76.6	13.716	224	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	80632	2500	11.2	1.377	224	23.7	85.9					93
Wet Bulb	72525	2123	10.4	1.738	224	24.5	88.1					93
Dew Point	71360	1120	5.0	1.712	224	34.5	91.3					93

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



2

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

736 FT. RICHARDSON AK 77-8  
 STATION STATION NAME YEARS

FACTOR 1 0600-0900  
 MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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	42				.8	.2																													5	5		
47	41				.8	.2																													5	5		
47	37			.2	1.2																														7	7	4	
47	37			.6	.2																														4	4	1	
47	30			.6																															2	3	2	7
47	33			.2																															1	1	2	2
47	31	.4	2.2	.2																															14	14	6	5
47	28	.4	1.4	.2																															10	10	1	
47	27	1.2	2.2																																10	20	12	7
47	25	1.2	2.7	.4																															20	20	10	10
47	23	1.4	3.9																																16	26	12	11
47	21	2.2	1.4																																11	18	21	9
47	1	4.3	4.7																																44	44	32	37
47	17	1.2	2.1																																10	20	23	21
47	15	1.2	2.5																																16	16	11	32
47	13	1.2	2.5																																11	21	15	28
47	11	1.2	1.6																																13	13	17	13
47	9	1.2	1.4																																10	12	14	16
47	7	2.2	2.0																																10	20	13	8
47	5	.4	1.2																																7	7	13	9
47	3	2.2	2.5																																11	21	13	15
47	1	2.2	2.7																																27	27	23	25
47	-1	1.1	.4																																22	22	24	22
47	-3	1.2	.6																																22	22	22	21
47	-5	2.5																																	12	12	14	9
47	-7	4.5																																	22	22	22	17
47	-9	7.7																																	16	16	16	17
47	-11	4.1																																	20	20	20	15
47	-13	1.2																																	5	5	5	5
47	-15	2.2																																	11	10	10	11
47	-17	3.2																																	11	11	11	14
47	-19	4.9																																	4	4	4	11
47	-21	1.2																																	1	5	5	10
47	-23																																		4	4	4	7

FORM 0-26.5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

Element (X)	Σ g'	Σ g	I	%	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						± 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/NAAC

**PSYCHROMETRIC SUMMARY**

STATION 734 FT RICHARDSON AK 77-87 YEARS MONTH 07C  
 7000-0900 HOURS (L.S.T.)

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															
7-25																																				
7-27																																				
7-29																																				
7-33																																				
7-37																																				
7-41																																				
7-59																																				
TTL	58.0	30.5	4.1	.4														489	489	489																

Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	I	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	2794106	37574	76.2	14.01	489	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	164538	4002	9.8	15.519	489	29.5	68.2					73
Wet Bulb	156552	4494	9.2	14.969	489	37.7	88.4					93
Dew Point	162667	1813	3.7	17.876	489	38.8	90.3					93

FORM NO. 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

738 STATION ET RICHARDSON, AK STATION NAME 77-60 YEARS FEB MONTH

PAGE 1 1966-11-15 HOURS 11.7

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		
47			.2																																1	1		
47	.4		.4	.2																															1	1		
47	.4		.4	.4																															5	5	4	
47	.4		.4	.4																															4	4	3	
47	.4		.4																																1	1	1	
47	.4		.4	.2																															2	2	2	1
47	.4		.4	.2																															1	1	1	
47	.4		.4	.2																															14	14	11	7
47	1.0		1.0	.2																															19	19	19	5
47	1.0		1.0	.2																															15	15	15	13
47	1.0		1.0	.2																															12	12	12	11
47	1.0		1.0	.2																															24	24	22	15
47	1.0		1.0	.2																															10	10	10	12
47	1.0		1.0	.2																															24	24	22	15
47	1.0		1.0	.2																															26	26	22	23
47	1.0		1.0	.2																															11	11	11	23
47	1.0		1.0	.2																															12	12	12	15
47	1.0		1.0	.2																															12	12	12	15
47	1.0		1.0	.2																															11	11	11	17
47	1.0		1.0	.2																															29	29	25	21
47	1.0		1.0	.2																															27	27	23	25
47	1.0		1.0	.2																															15	15	15	17
47	1.0		1.0	.2																															17	17	17	17
47	1.0		1.0	.2																															17	17	17	17
47	1.0		1.0	.2																															19	19	19	11
47	1.0		1.0	.2																															21	21	21	11
47	1.0		1.0	.2																															15	15	15	12
47	1.0		1.0	.2																															5	5	5	7
47	1.0		1.0	.2																															12	12	12	17
47	1.0		1.0	.2																															8	8	8	14
47	1.0		1.0	.2																															5	5	5	13
47	1.0		1.0	.2																															1	1	1	1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	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 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





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2  
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FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE / IAC

**PSYCHROMETRIC SUMMARY**

7736 FT RICHMONSON AM 77-82 JFC  
STATION STATION NAME YEARS MONTH  
PAGE 10 1200-1400  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/-25																																			
/-27																																			
/-29																																			
/-33																																			
TOTAL	41.6	52.7	4.3	1.2														487	486	486															
																		476	476																

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	° <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	254211	77419	77.	12.334	486							
Dry Bulb	181643	6657	17.7	13.595	487	17.0	66.5					93
Wet Bulb	103647	6267	12.7	13.769	486	18.2	88.2					93
Dew Point	138400	3734	7.7	15.41	486	32.0	90.3					93

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

2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

7736 FT RICHARDSON AK 77-82 YEARS DEC MONTH

PAGE 1 1960-1700 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
44																																						1		
43					.2																																1			
42				.4	.2																																4	4	1	
41				.5	.6																																6	6	2	
40				.6	.2																																3	3	1	2
39				.2	.2																																5	6	6	1
38				.2	.2																																2	2	7	
37				.2	.2																																1	1	5	3
36				1.1	.6																																5	8	1	5
35			.4	2.5																																	14	14	6	14
34			1.5	.2																																	12	12	23	1
33			1.1	2.3																																	14	16	21	19
32			.8	5.1																																	28	28	24	1
31			.8	3.1	.2																																19	19	30	8
30			7.5	2.1																																	25	28	28	5
29			1.7	3.8																																	27	27	20	29
28			1.1	4.5																																26	26	20	17	
27			1.9	3.2																																24	24	30	10	
26			1.4	2.5																																21	21	19	25	
25			1.1	3.8																																23	23	17	24	
24			.2	2.5																																13	13	23	22	
23			1.1	2.1																																15	15	15	7	
22			.4	2.5																																14	14	19	1	
21			.2	1.3																																10	10	13	24	
20			2.3	2.3																																22	22	20	15	
19			1.1	.6																																22	22	21	16	
18			4.7																																	22	22	25	7	
17			3.8	.4																																19	19	17	11	
16			3.6																																	17	17	19	20	
15			4.2																																	20	20	20	4	
14			1.7																																	8	8	8	14	
13			.4																																	2	2	2	4	
12			1.7																																	6	8	8	13	
11			.6																																	3	3	3	9	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																																		
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																												
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

FORM NO. 34 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

736 FT. RICHARDSON AM 77-82 DFC  
STATION STATION NAME YEARS MONTH  
PAGE 1570-1700  
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														
7-16	0																	4	4	4	4	14													
7-21	0																	3	3	3	3	4													
7-23																						5													
7-25																						4													
7-27																						4													
7-29																						3													
7-33																						1													
7-35																						4													
7-51																						1													
Tot	47	348	0	3.4	1.3													471	472	471	471														

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature				Total		
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	274469	36.68	76.6	13.16	471							
Dry Bulb	1724	5698	12.1	14.332	472	25.2	86.7					93
Wet Bulb	153	5221	11.2	14.179	471	25.7	88.5					93
Dew Point	145358	2764	5.9	16.576	471	34.9	90.8					93

USAFETAC FORM 0-26-5 (O.L.A.) 0-110 REVISIONS (EDITIONS OF THIS FORM ARE OBSOLETE)



1  
2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

736 FT RICHARDSON AK 77-82 YEARS DEC MONTH

PAGE 1 1999-2000 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4			.2															1	1																
4 / 43			.2	.2														2	2	1															
4 / 43				.5														2	2		1														
4 / 43			.0															4	4	1															
4 / 37		.5	1.1															7	7																
4 / 37		.5																2	2	11															
4 / 35		.9	.5	.2														7	7	5	2														
3 / 33		.2	.7															4	4	3	7														
3 / 31	.7	1.6																10	17		15														
3 / 27	2.3	1.6																17	17	19	3														
3 / 27	.5	2.7																14	14	12	15														
3 / 25	.7	1.8	.2															12	12	16	2														
3 / 23	.5	2.9																15	15	17	1														
2 / 21	4.1	2.5	.5															21	21	30	14														
2 / 17	2.9	3.2																27	27	21	35														
2 / 17	1.4	2.3																16	16	19	22														
2 / 15	1.4	3.8																22	23	24	16														
2 / 13	2.3	2.5																21	21	15	18														
2 / 11	1.8	1.3																15	15	18	22														
2 / 7	1.4	3.4																21	21	13	13														
2 / 7	1.1	2.9																18	18	21	12														
2 / 5	.7	.7																6	6	13	7														
2 / 3	1.6	.7																10	10	11	25														
2 / 1	2.9	3.6																29	29	26	22														
2 / -1	.1	.5																8	27	27	9														
2 / -3	3.2																	14	14	16	12														
2 / -5	3.8	.5																19	19	17	24														
2 / -7	4.7																	21	21	23	14														
2 / -9	3.8																	17	17	17	9														
2 / -11	2.3																	10	10	10	17														
1 / -13	.7																	3	3	3	10														
1 / -15	1.1																	5	5	5	12														
1 / -17	1.4																	6	6	6	11														
1 / -19	.7																	3	3	3	14														
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) REVID REPRODUCED OF THIS FORM ARE OBSOLETE  
 USAFETAC

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FEDERAL BUREAU OF SURVEY  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1736 FT RICHARDSON AK 77-82 DEC  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	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
/-21	1.0																	8	3	3	9
/-23	.7																	3	3	3	5
/-25																					4
/-27																					7
/-29																					
/-33																					1
/-35																					
/-37																					
/-39																					
/-41																					
/-51																					
/-57																					1
/-57																					1
TOTAL	14.4	14.0	9.4	3.3	.9													443	443	443	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2662691	33725	76.1	15.135	443	≤ 0 F	≤ 32 F	≤ 67 °	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	152376	4692	10.6	15.279	443	27.1	86.9					93
Wet Bulb	139689	4398	9.9	14.739	443	29.1	88.9					93
Dew Point	151405	1875	4.2	18.016	443	36.3	90.7					93

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

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FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7736 FT RICHARDSON AK 77-80  
 STATION STATION NAME YEARS  
 DFC  
 PAGE 1 ALL MONTH  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/46			.1																1	2															
7/47																			1	1															
7/48		.1	.2	.1															5	9	2														
4/43		.2	.4	.5															70	70	3	1													
7/41		.2	.5	.1															24	24	14	3													
7/3		.4	.7	.1															70	30	25	11													
7/37		.3	.2																13	17	42	3													
7/38		.5	.3	.1															26	26	28	19													
7/33		.5	.5	.7															29	28	13	33													
7/31	.4	2.2	.2																74	74	45	64													
7/28	1.2	1.3	.3																76	76	94	33													
7/27	1.1	2.9																	104	104	73	71													
7/25	1.2	3.9	.2																123	123	124	15													
7/22	.8	2.8	.1																98	98	170	34													
7/21	3.1	2.5	.2																123	128	126	121													
7/17	3.0	3.8	.0																177	177	141	226													
7/17	1.9	3.5	.1																120	127	113	121													
7/15	1.5	3.1	.1																123	123	134	114													
7/13	2.2	2.3																	112	112	121	125													
7/11	1.2	2.8																	102	105	93	109													
7/10	.8	2.3																	84	84	114	100													
7/7	1.2	2.3																	91	91	97	00													
7/5	1.1	1.3																	88	61	80	57													
7/3	1.3	1.7																	93	93	120	99													
7/1	3.1	3.1																	129	129	142	136													
7/-1	3.0	.3																	103	103	115	91													
7/-2	3.2	.4																	74	94	123	61													
7/-3	3.3	.3																	96	96	90	112													
7/-7	3.6																		100	100	109	80													
7/-9	3.5																		92	92	92	94													
7/-11	2.0																		66	66	66	75													
7/-13	.1																		22	22	22	33													
7/-15	1.6																		41	41	41	73													
7/-17	1.3																		25	35	35	61													

Element (X)	Σ X²	Σ X	X	σ <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 75 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

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

736 FT. RICHARDSON AV 77-82 WFC  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1-19	.4																	2	22	22	96
1-21	.7																	17	17	17	39
2-23	.3																	9	9	9	31
1-25	.1																	2	2	2	26
1-27																					20
1-29																					2
1-31																					7
1-33																					11
1-35																					9
1-37																					5
1-39																					5
1-41																					7
1-51																					4
1-57																					1
1-59																					5
TOTAL	27.0	24.4	9.4	2.9														2608	2410	2608	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	15891671	260335	76.81	7.845	2608	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	744									
Dry Bulb	25694	29704	11.41	4.082	2610	199.3	697.5					744									
Wet Bulb	37322	27766	10.61	4.415	2608	205.4	707.8					744									
Dew Point	23470	13724	5.316	4.75	2608	283.3	724.0					744									

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



2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

250 FT. RICHARDSON AM STATION NAME 27-82 YEARS ALL MONTH

PAU ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1 / 1	.3	1.2	.1																																	578	510	570	727	
1 / 13	.5	.3																																		447	448	431	636	
1 / 11	.6	.9	.1																																	442	462	431	548	
1 / 9	.5	.8	.2																																	360	360	440	527	
1 / 7	.1	.7	.1																																	293	294	361	395	
1 / 5	.3	.3																																		194	195	322	239	
1 / 3	.6	.5																																		318	318	326	379	
1 / 1	.7	.5																																		410	410	374	545	
1 / -1	.7	.1																																		255	255	294	315	
1 / -3	.6	.1																																		228	228	222	271	
1 / -5	.1	.1																																		170	170	158	302	
1 / -7	.6																																			176	176	194	226	
1 / -9	.1																																			150	150	150	239	
1 / -11	.3																																			150	150	150	182	
1 / -13	.1																																				39	39	79	69
1 / -15	.2																																				74	74	74	155
1 / -17	.2																																				41	61	61	121
1 / -19	.1																																				44	45	44	174
1 / -21	.1																																				20	20	20	70
1 / -23	.1																																				9	9	9	29
1 / -25	.																																				2	2	2	47
1 / -27																																								
1 / -29																																								
1 / -31																																								
1 / -33																																								
1 / -35																																								
1 / -37																																								
1 / -39																																								
1 / -41																																								
4 / -45																																								
1 / -51																																								
1 / -57																																								
1 / -59																																								
Element (X)	$\Sigma g'$	$\Sigma g$	$\Sigma$	$\%_a$	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 84 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

### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

702736 FT RICHARDSON AK

77-82

HR	MEAN	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2-05	MEAN	13.0	15.0	22.4	29.0	40.1	48.9	52.8	49.6	43.1	32.1	20.0	11.2	34.1
	STDEV	13.978	16.746	10.532	7.286	5.052	3.844	3.282	4.940	7.267	10.632	11.680	15.377	17.051
	TOTAL OBS	152	160	228	233	276	295	289	306	282	281	221	224	2947
6-09	MEAN	14.3	15.4	23.4	32.6	45.2	52.5	56.2	53.3	44.4	32.0	21.3	9.8	34.3
	STDEV	14.816	16.497	10.494	7.322	4.844	4.113	3.837	4.461	7.090	9.950	11.786	15.519	18.646
	TOTAL OBS	382	409	522	490	498	515	513	528	489	504	471	459	5808
10-11	MEAN	16.5	20.3	29.6	39.1	50.5	56.5	59.7	58.4	50.4	35.5	23.4	10.8	38.3
	STDEV	13.655	14.027	8.297	6.860	5.104	5.046	4.747	4.638	5.801	8.798	10.889	15.202	19.003
	TOTAL OBS	421	425	526	496	498	516	510	528	489	504	474	495	5882
1-14	MEAN	19.4	25.3	33.8	42.9	53.5	59.3	62.5	61.6	53.7	38.2	26.4	13.7	41.6
	STDEV	11.914	11.139	7.138	6.741	5.559	5.824	5.742	5.753	5.655	8.319	8.898	13.595	18.408
	TOTAL OBS	419	426	524	495	498	516	511	528	488	506	474	487	5872
10-17	MEAN	17.7	25.5	34.2	43.3	53.5	59.8	63.2	62.6	54.0	37.3	24.3	12.1	41.4
	STDEV	13.035	11.361	6.621	6.290	5.908	5.913	6.154	6.141	5.757	8.576	10.272	14.832	19.315
	TOTAL OBS	412	413	514	488	486	508	500	520	480	499	467	472	5759
1-20	MEAN	14.2	21.0	30.1	39.1	50.3	57.3	60.7	59.0	49.5	34.2	21.8	10.6	38.6
	STDEV	14.324	13.555	7.366	6.073	5.389	5.074	5.428	5.370	5.860	9.156	11.785	15.279	19.355
	TOTAL OBS	352	352	481	455	462	492	476	504	462	476	451	443	5406
	MEAN													
	STDEV													
	TOTAL OBS													
ALL HOURS	MEAN	16.4	21.1	29.6	38.5	49.5	56.2	59.7	58.0	49.6	35.1	23.2	11.4	38.4
	STDEV	13.698	14.265	9.386	8.219	6.834	6.202	6.046	6.742	7.378	9.442	11.025	14.982	18.995
	TOTAL OBS	2134	2185	2793	2657	2718	2842	2799	2914	2690	2770	2558	2610	31674



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

71736 FT RICHARDSON AK

77-82

		YEARS												
		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
7-05	MEAN	12.9	14.0	20.8	26.9	37.0	45.6	50.3	47.9	41.2	30.7	19.1	10.4	32.2
	S.D.	13.424	16.076	10.023	6.993	4.765	3.345	3.266	4.637	6.416	10.083	11.091	14.738	16.279
	TOTAL OBS	152	160	228	233	276	295	289	306	281	281	221	224	2946
6-06	MEAN	13.5	14.5	21.7	29.8	40.7	47.8	52.6	50.7	42.1	30.7	20.3	9.2	32.0
	S.D.	14.173	15.712	9.883	6.678	4.023	2.987	2.903	3.931	6.297	9.453	11.075	14.969	17.391
	TOTAL OBS	372	408	518	488	498	515	510	528	489	504	471	489	5790
4-11	MEAN	15.0	18.7	27.0	34.7	44.0	50.5	54.8	54.0	46.6	33.6	22.2	10.1	35.0
	S.D.	13.206	13.341	7.545	5.763	3.773	3.152	3.084	3.590	4.938	8.116	10.136	14.684	17.181
	TOTAL OBS	400	424	521	495	498	516	510	527	488	504	473	495	5851
17-14	MEAN	17.8	23.2	30.4	37.4	45.6	52.0	56.5	56.0	48.9	35.8	25.0	12.9	37.5
	S.D.	11.481	11.596	6.270	5.325	3.860	3.552	3.285	4.004	4.504	7.383	8.285	13.069	16.135
	TOTAL OBS	400	426	522	494	498	516	509	528	488	506	474	486	5847
19-17	MEAN	16.1	23.3	30.7	37.7	45.4	52.1	56.8	56.4	49.2	35.2	23.1	11.2	37.2
	S.D.	12.587	10.814	5.933	4.976	4.137	3.731	3.657	3.999	4.645	7.648	9.611	14.179	16.873
	TOTAL OBS	391	413	514	486	486	508	498	520	480	498	467	471	5732
1-20	MEAN	12.0	19.3	27.5	34.7	43.5	50.4	55.1	54.3	46.3	32.6	20.8	9.9	35.1
	S.D.	13.813	12.899	6.779	5.025	4.165	3.509	3.531	3.777	5.070	8.597	11.042	14.739	17.357
	TOTAL OBS	339	352	481	453	462	492	474	504	462	476	451	443	5389
ALL HOURS	MEAN	15.0	19.4	26.9	34.2	43.1	50.0	54.6	53.6	46.1	33.3	22.0	10.6	35.1
	S.D.	13.186	13.510	8.483	6.731	4.863	3.989	3.875	4.804	6.034	8.683	10.318	14.415	17.052
	TOTAL OBS	2054	2183	2784	2649	2718	2842	2790	2913	2688	2769	2557	2608	31555

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7 2736 FT RICHARDSON AK

77-82

REF	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	8.1	8.2	15.6	22.0	32.4	42.1	48.2	46.3	39.1	27.7	15.5	5.0	28.5
S.D.	14.819	18.951	11.401	8.748	6.360	4.253	4.308	4.925	6.623	11.550	11.874	17.172	17.972
TOTAL OBS	152	160	228	233	276	295	289	306	281	281	221	224	2946
MEAN	8.7	8.6	16.4	24.1	35.1	43.2	49.5	48.5	39.5	28.0	16.7	3.7	27.8
S.D.	15.522	18.596	11.179	8.110	5.139	3.806	3.997	4.332	6.614	10.537	11.913	17.876	18.811
TOTAL OBS	372	408	518	488	498	515	510	528	489	504	471	489	5790
MEAN	10.4	12.5	21.0	27.9	36.5	44.8	50.8	50.5	42.8	30.5	18.4	4.9	30.0
S.D.	14.692	16.043	8.808	6.764	4.935	3.695	3.758	3.990	5.510	8.990	10.687	16.982	18.046
TOTAL OBS	400	424	521	495	498	516	510	527	488	504	473	495	5851
MEAN	12.8	16.9	24.1	29.4	36.8	45.3	51.8	51.6	44.3	32.3	21.0	7.7	31.9
S.D.	13.471	13.085	7.299	6.226	5.040	4.400	3.986	4.204	5.242	7.826	9.206	15.041	16.698
TOTAL OBS	400	426	522	494	498	516	509	528	488	506	474	486	5847
MEAN	11.0	16.9	24.2	29.6	36.1	45.1	51.8	51.5	44.5	31.9	19.3	5.9	31.4
S.D.	14.877	13.278	7.465	6.138	5.234	4.480	4.438	4.248	5.357	8.169	10.371	16.576	17.387
TOTAL OBS	391	413	514	486	486	508	498	520	480	498	467	471	5732
MEAN	7.4	12.9	21.5	27.6	35.2	43.9	50.5	50.5	42.9	29.8	17.1	4.2	29.8
S.D.	16.255	15.690	8.193	6.217	5.429	4.756	4.575	4.058	5.623	9.468	11.624	18.016	18.318
TOTAL OBS	339	352	481	453	462	492	474	504	462	476	451	443	5389
MEAN													
S.D.													
TOTAL OBS													
MEAN													
S.D.													
TOTAL OBS													
MEAN	10.0	13.2	21.0	27.2	35.6	44.2	50.6	50.1	42.4	30.2	18.3	5.3	30.0
S.D.	15.029	15.065	9.498	7.369	5.431	4.360	4.325	4.569	6.140	9.476	11.050	16.975	17.929
TOTAL OBS	2054	2183	2784	2649	2718	2842	2790	2913	2688	2769	2557	2608	31555

















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GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

7 2736 FT RICHARDSON AK 77-82 AUG  
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
AUG	00-02												
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	96.4	84.0	48.4	98.3	306	
	06-08	100.0	100.0	100.0	100.0	100.0	98.5	90.7	63.6	28.0	83.9	529	
	09-11	100.0	100.0	100.0	100.0	99.1	89.9	65.8	31.1	8.7	75.5	527	
	12-14	100.0	100.0	100.0	99.6	95.3	73.9	47.5	24.4	6.3	70.7	528	
	15-17	100.0	100.0	100.0	98.5	89.4	66.0	44.8	20.0	6.3	66.4	520	
	18-20	100.0	100.0	100.0	99.8	97.2	80.0	63.3	37.1	7.5	74.3	504	
	21-23												
	TOTALS	100.0	100.0	100.0	99.7	96.8	84.7	68.1	43.4	17.5	76.9	2913	

RELATIVE HUMIDITY

70736 FT RICHARDSON AK 77-82 SEP  
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%		
SEP	00-02											
	03-05	100.0	100.0	100.0	100.0	99.9	97.5	90.0	79.0	44.5	86.0	281
	06-08	100.0	100.0	100.0	100.0	99.4	96.7	85.9	66.7	34.8	83.6	489
	09-11	100.0	100.0	100.0	100.0	98.6	90.0	68.0	32.8	11.5	75.8	488
	12-14	100.0	100.0	99.6	99.6	96.7	78.9	51.8	24.2	8.8	71.6	488
	15-17	100.0	100.0	100.0	100.0	95.6	79.6	51.9	21.0	6.5	71.1	490
	18-20	100.0	100.0	100.0	100.0	99.1	92.4	76.6	47.6	12.8	78.5	462
	21-23											
TOTALS		100.0	100.0	99.9	99.9	98.1	89.2	70.7	45.2	19.8	77.8	2688

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FEDERAL BUREAU OF SURVEY  
 WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

736 FT RICHARDSON AK 77-82 OCT  
 STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
OCT	00-02												
	03-05	100.0	100.0	100.0	100.0	98.9	96.1	87.2	69.8	37.0	84.3	281	
	06-08	100.0	100.0	100.0	100.0	100.0	97.6	89.3	72.4	38.5	85.3	504	
	09-11	100.0	100.0	100.0	99.6	98.8	95.2	84.9	61.5	31.3	82.6	504	
	12-14	100.0	100.0	100.0	100.0	98.4	93.5	77.3	53.6	23.5	80.1	506	
	15-17	100.0	100.0	100.0	100.0	98.8	92.6	80.9	58.6	27.5	81.5	498	
	18-20	100.0	100.0	100.0	100.0	100.0	96.4	87.2	69.7	31.1	84.2	476	
	21-23												
	TOTALS	100.0	100.0	100.0	99.9	99.2	95.2	84.5	64.3	31.5	83.0	2769	





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GENERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/TAC

**RELATIVE HUMIDITY**

7-736 FT RICHARDSON AK 77-82 ALL  
STATION STATION NAME PERIOD MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.6	98.1	96.4	92.3	77.7	45.9	14.2	77.8	2054
FEB		100.0	100.0	99.7	97.8	91.6	79.2	57.5	31.8	11.9	72.5	2183
MAR		100.0	100.0	100.0	99.5	95.6	82.0	49.8	23.8	5.3	71.2	2794
APR		100.0	100.0	99.9	98.1	86.1	64.9	34.0	16.9	3.8	66.0	2649
MAY		100.0	100.0	99.7	95.0	72.3	47.3	26.6	12.7	3.7	61.4	2718
JUN		100.0	100.0	99.9	97.1	84.1	63.7	40.8	18.4	5.2	66.6	2842
JUL		100.0	100.0	99.9	99.1	91.9	79.2	61.3	39.7	15.8	74.4	2790
AUG		100.0	100.0	100.0	99.7	96.8	84.7	68.1	43.4	17.5	76.9	2913
SEP		100.0	100.0	99.9	99.9	98.1	89.2	70.7	45.2	19.8	77.8	2688
OCT		100.0	100.0	100.0	99.9	99.2	95.2	84.5	64.3	31.5	83.0	2769
NOV		100.0	100.0	100.0	99.6	99.1	96.3	86.0	60.7	23.8	81.9	2557
DEC		99.8	99.6	99.3	98.1	94.7	88.1	73.2	43.3	16.5	76.8	2608
TOTALS		100.0	100.0	99.8	98.5	92.2	80.2	60.9	37.1	14.1	73.9	31555

U S AIR FORCE  
 ENVIRONMENTAL TECHNICAL  
 APPLICATIONS CENTER

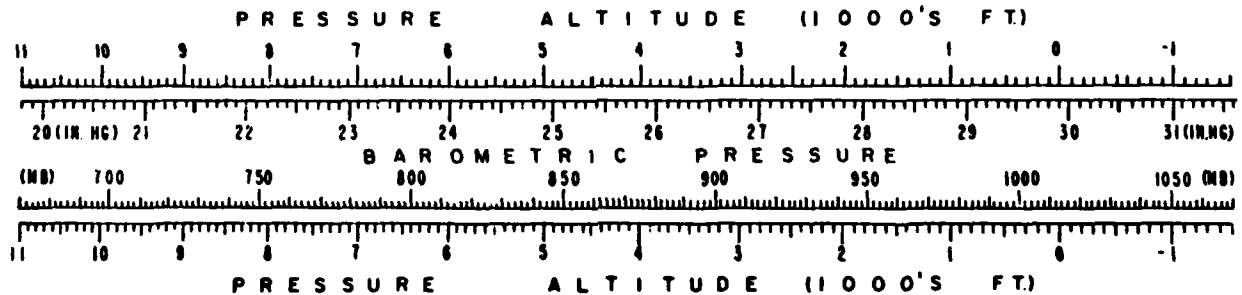
PART F PRESSURE SUMMARY

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

NOTES: Station pressure not reported for all services until late in 1945.  
 Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
 METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

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

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





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7 2736 FT RICHARDSON AK

77-82

HRS 15'	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	S D													
	TOTAL OBS													
04	MEAN	29.354	29.264	29.298	29.403	29.426	29.561	29.544	29.549	29.320	29.113	29.323	29.243	29.390
	S D	.421	.354	.344	.316	.252	.169	.162	.197	.270	.329	.437	.463	.327
	TOTAL OBS	39	43	68	97	123	133	130	138	127	123	71	71	1163
07	MEAN	29.319	29.287	29.294	29.366	29.455	29.537	29.554	29.520	29.326	29.139	29.234	29.280	29.363
	S D	.465	.421	.292	.309	.245	.185	.168	.216	.260	.342	.428	.493	.352
	TOTAL OBS	123	138	175	166	166	172	171	176	163	168	157	164	1944
10	MEAN	29.330	29.305	29.304	29.366	29.451	29.532	29.553	29.521	29.330	29.149	29.244	29.298	29.368
	S D	.463	.417	.292	.310	.239	.185	.170	.213	.261	.339	.430	.491	.351
	TOTAL OBS	141	142	176	165	166	172	170	176	163	168	158	165	1962
13	MEAN	29.322	29.303	29.301	29.356	29.443	29.524	29.546	29.511	29.325	29.147	29.244	29.289	29.362
	S D	.462	.418	.291	.308	.235	.183	.172	.215	.261	.338	.432	.491	.349
	TOTAL OBS	139	142	176	165	166	172	171	176	161	169	158	162	1957
16	MEAN	29.320	29.290	29.284	29.338	29.430	29.510	29.532	29.493	29.307	29.136	29.234	29.279	29.349
	S D	.449	.411	.289	.311	.231	.182	.171	.215	.263	.338	.436	.481	.346
	TOTAL OBS	141	143	174	166	166	172	170	176	163	169	158	159	1957
19	MEAN	29.319	29.302	29.285	29.340	29.428	29.508	29.530	29.494	29.302	29.148	29.233	29.278	29.351
	S D	.474	.411	.277	.313	.231	.183	.169	.214	.265	.339	.423	.480	.343
	TOTAL OBS	116	116	160	152	154	164	158	168	154	160	150	147	1799
22	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	29.324	29.295	29.294	29.359	29.440	29.527	29.543	29.514	29.319	29.140	29.245	29.282	29.362
	S D	.454	.411	.292	.311	.238	.182	.169	.212	.263	.337	.430	.484	.346
	TOTAL OBS	704	724	929	911	941	985	970	1010	931	957	852	868	10782

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HBS FROM HOURLY OBSERVATIONS

7 2736 FT RICHARDSON AK  
 STATION STATION NAME

78-82  
 YEARS

HRS. L.S.	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	S D													
	TOTAL OBS.													
4	MEAN				1005.7	1012.5	1015.2	1013.6	1015.3	1009.5	1004.2	1005.9	999.3	1010.1
	S D				12.730	8.811	6.175	6.077	6.217	9.409	11.296	11.845	12.466	10.372
	TOTAL OBS.				34	61	60	61	63	59	57	30	30	458
7	MEAN	1004.5	1012.6	1006.1	1006.1	1012.9	1013.6	1014.4	1013.2	1008.2	1004.7	1001.6	1005.8	1008.8
	S D	12.699	15.561	8.151	10.940	8.399	7.133	6.377	7.581	9.184	11.272	12.202	16.382	11.428
	TOTAL OBS.	52	50	62	89	89	90	89	93	86	91	82	85	958
10	MEAN	1005.0	1013.1	1006.3	1006.1	1012.8	1013.4	1014.5	1013.1	1008.3	1005.0	1002.0	1006.2	1008.9
	S D	12.418	15.328	8.303	11.054	8.292	7.165	6.448	7.608	9.169	11.275	12.193	16.182	11.343
	TOTAL OBS.	52	50	62	89	89	90	89	93	86	91	82	86	959
13	MEAN	1004.8	1013.0	1006.5	1005.8	1012.5	1013.2	1014.3	1012.8	1008.0	1004.7	1001.9	1005.9	1008.7
	S D	12.293	15.187	8.251	11.064	8.117	7.098	6.569	7.623	9.243	11.100	12.374	16.377	11.319
	TOTAL OBS.	52	50	62	89	89	91	89	93	86	92	82	83	958
16	MEAN	1004.3	1012.6	1006.2	1005.3	1012.0	1012.7	1013.9	1012.2	1007.3	1004.2	1001.4	1005.0	1008.2
	S D	12.123	15.145	8.149	11.110	8.050	6.992	6.578	7.607	9.367	11.145	12.737	16.011	11.292
	TOTAL OBS.	52	50	63	89	89	90	89	93	86	92	82	81	956
19	MEAN	1004.6	1011.8	1006.3	1005.5	1012.1	1012.7	1013.8	1012.1	1007.4	1004.5	1001.7	1005.1	1008.3
	S D	12.763	15.585	7.937	11.171	7.994	6.982	6.366	7.451	9.420	11.204	12.678	16.323	11.231
	TOTAL OBS.	44	45	63	89	89	90	90	94	86	90	81	78	939
22	MEAN													
	S D													
	TOTAL OBS.													
ALL HOURS	MEAN	1004.6	1012.6	1006.3	1005.7	1012.5	1013.4	1014.1	1013.0	1008.1	1004.6	1002.0	1005.2	1008.7
	S D	12.354	15.237	8.107	11.137	8.217	6.982	6.398	7.450	9.268	11.158	12.374	16.028	11.250
	TOTAL OBS.	252	245	312	479	506	511	507	529	489	513	439	443	5225