

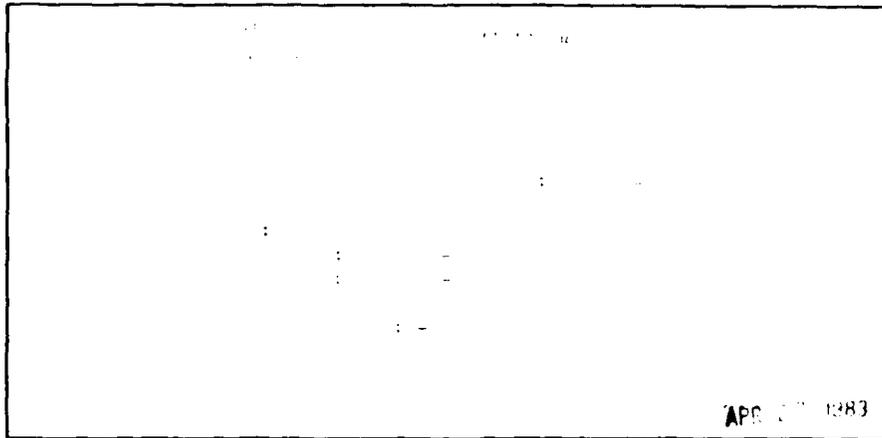
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USAFETAC  
Air Weather Service ( MAC )



APR 27 1983

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DW 83019	2 GOVT ACCESSION NO. AD-A131 152	3 RECIPIENT'S CATALOG NUMBER															
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-  CAPE NEWENHAM AFS, ALASKA	7 AUTHOR(s)	5 TYPE OF REPORT & PERIOD COVERED  Final rept															
		6 PERFORMING ORG REPORT NUMBER															
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/DW-A Air Force Environmental Technical Appl. Center Scott AFB, IL 62225	11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAW) Scott AFB, IL 62225	8 CONTRACT OR GRANT NUMBER(s)															
		10 PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS															
14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	15 SECURITY CLASS (of this report)	12 REPORT DATE Apr 83															
		13 NUMBER OF PAGES															
16 DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.	15a DECLASSIFICATION/DOWNGRADING SCHEDULE  UNCLASSIFIED	14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)															
		17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)															
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)																	
<table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)																	
<p>This report is a six-part statistical summary of surface weather observations for</p> <p>CAPE NEWENHAM AFS, ALASKA</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric</p>																	

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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

\*ALASKA

\*CAPE NEWENHAM AFS  
\*

- 20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity ; and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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APR 1964  
MILITARY AERONAUTICAL

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

2025 RELEASE UNDER E.O. 14176

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

## HOURLY OBSERVATIONS

## DAILY OBSERVATIONS

## DESCRIPTION OF SUMMARIES

### 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

## MISSING HOUR GROUPS

\_\_\_\_\_

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

STATION NO ON SUMMARY 703050	STATION NAME CAPE NEWENHAM ALASKA AFS	LATITUDE N 58 39	LONGITUDE W 162 04	STATION ELEV (FT) 541	CALL SIGN PAEH	WMO NUMBER 70305
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### 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			STATION (FT)	TYPE BAROMETER	
1	Cape Newenham Alaska	AFS	Jul 53	Feb 56	N 58 40	W 162 04	485	543	26504
2	No Change	AFS	Mar 56	Feb 62	No Change	No Change	538	No Chge	29004
3	No Change	AFS	Mar 62	25 Aug 63	N 58 39	W 162 04	No Chge	No Chge	14
4	No Change	AFS	26 Aug 63	May 70	No Change	No Change	551	235	29004
5	Same	AFS	Jun 70	Feb 83	Same	Same	541	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 53 to Feb 56	Located 175 Ft. WNW of Station.	AN/GMQ-1A	None	30 Ft	
2	Mar 56 to Feb 60	Located 325 Ft. NNW of Station.	No Chge	None	No Chge	
3	Mar 60 to Feb 61	Located 2600 Ft. ESE of Station, 500 Ft from touch down point of Rnwy.	AN/GMQ-11	None	13 Ft	
4	Mar 61 to Feb 65	Located 1800 Ft E of Weather Station, 500 Ft. from touch down point of Rnwy.	No Chge	None	No Chge	

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
5	Mar 65 to May 67	Located 400 Ft left of Rwy 14 at 600 Ft. Marker	AN/GMO-11	None	13 Ft	
6	4 May 67 to May 70	No Change	No Chge	RO-2	No Chge	
7	Feb 83	same	Same	Same	Same	

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AF WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 3350  
 STATION

CAPE NEWENHAM AFS AK  
 STATION NAME

73-87

YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH BEST TO VISION	TOTAL NUMBER OBS
JAN	00-02		7.1	.1	19.5		25.4	16.0		12.1		25.4	850
	03-05		7.3	1.1	19.1		25.5	17.9		12.4		27.2	829
	06-08		8.1	.7	18.3		25.1	18.1		12.4		28.0	817
	09-11		6.2	.9	16.7		22.4	18.7		10.5		26.4	800
	12-14		5.8		19.9		24.2	16.3		10.4		23.6	820
	15-17		6.9		20.1		25.6	19.9		9.5		26.7	821
	18-20		8.4		20.2		27.7	21.9		9.5		28.8	840
	21-23		12.3	.2	22.5		31.9	19.5		7.7		25.1	809
TOTALS			7.7	.4	19.5		26.0	18.5		10.6		26.4	8566

2

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 3750  
 STATION

CAPE NEWENHAM AFS AK  
 STATION NAME

73-67

YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OF 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		5.4	.5	22.2		27.1	14.8		9.8		22.6	778
	3-05		5.5	.4	22.7		28.9	15.3		12.4		21.4	807
	06-08		5.6	.4	23.2		26.9	14.6		11.3		18.2	823
	09-11		5.2		18.0		21.9	14.3		7.7		19.7	839
	12-14		3.5		16.6		19.7	11.2	.1	6.9		11.7	839
	15-17		4.5		17.0		22.7	13.6		6.5		11.6	825
	18-20		5.7		16.2		19.4	17.6		6.8		21.7	835
	21-23		5.8	.2	19.5		23.6	17.4		6.9		21.6	869
TOTALS			5.1	.2	19.4		23.3	14.9	.2	8.3		21.6	6131

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 3050  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

73-82

YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURLY PERIOD	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 VIS. TO 1000 FT.	TOTAL NUMBER OF OBS.
MAR	00-01		5.7	.1	29.0		32.5	23.3		13.2		31.7	873
	03-05		3.4		26.2		26.8	19.0		13.3		21.0	917
	06-08		3.0		24.2		25.3	21.3		11.3		27.2	919
	09-11		3.8		25.8		28.0	21.3		7.8		27.5	927
	12-14		3.9		28.7		31.5	23.4	.2	12.3		29.7	929
	15-17		3.7	.2	29.0		32.0	23.9	.2	11.7		31.0	927
	18-20		4.5	.1	26.0		29.8	28.0	.2	11.7		33.0	922
	21-23		5.1	.3	28.5		32.4	28.1		11.2		33.3	741
TOTALS			4.1	.1	27.2		30.1	23.5	.1	11.4		31.7	7305



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 5550  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

73-82  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURY PERIOD	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 VIS TO VISION	TOTAL NO. OF OBS.
APR	00-04		5.2	.7	27.6		32.4	22.1		13.2		23.5	882
	05-09		4.5	.1	24.9		29.2	22.3		9.4		23.2	850
	10-14		5.3	.2	24.9		29.5	26.7		8.3		24.7	889
	15-19		4.7	.1	26.9		30.7	24.2		7.3		27.2	890
	20-24		4.6	.2	21.0		25.9	22.5		5.9		25.7	888
	25-29		6.2		21.0		26.2	21.8		5.5		24.7	861
	30-03		7.0	.1	17.1		25.4	23.7		5.7		24.7	761
	04-07		5.8	.3	24.2		29.1	25.5		3.5		30.4	750
TOTALS			5.4	.2	23.6		28.6	23.5		7.7		27.6	6451

2

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

7 5506  
STATIONCAPE NEWENHAM AFB AK  
STATION NAME

73-82

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	PERIOD	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS VIS. ≤ 3.0	TOTAL NO. OF OBS
MAY	00-02		12.6	.1	10.3		21.5	17.2		.6		17.2	604
	03-05		14.1		9.9		21.2	18.7		1.2		19.2	612
	06-08		11.8		10.2		21.3	19.2		2.1		20.2	617
	09-11		12.4		9.7		21.6	18.3		2.2		17.3	617
	12-14		12.6		9.4		20.9	15.6		1.2		16.3	615
	15-17		13.2		8.3		20.9	15.6		1.2		16.4	604
	18-20		13.4		6.7		19.5	15.9		.5		15.9	627
	21-23		14.1	.2	7.4		20.7	16.1		.2		16.2	623
TOTALS			12.7	.2	9.5		21.3	17.1		1.2		17.6	6629

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFSS WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 1967  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

73-62

YEARS

JULY  
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 BEST TOP VISION	TOTAL NO. OF OBS.
JULY	00-02		25.9	.3	.8		24.9	32.3				32.3	727
	03-05		22.6		.3		22.8	33.5				33.5	797
	06-08		22.5		.7		22.8	31.5				31.5	845
	09-11		21.5		.8		21.9	26.9				26.9	804
	12-14		19.9				19.9	22.0				22.0	719
	15-17	.3	20.1		.1		20.1	20.7				20.7	721
	18-20		23.5				23.5	26.1				26.1	464
	21-23		23.7		.6		24.3	28.5				28.5	536
TOTALS		.3	22.2	.0	.4		22.5	28.0				28.0	5763

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

73090 CAPE NEWENHAM AFS AK  
STATION NAME

73-82

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS INT.	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN S. 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 OBS. HRS.
JUL	01-01		26.8				26.8	35.7				35.7	467
	03-05		27.1				27.1	35.7				35.7	916
	06-08		23.7				23.7	36.0				36.0	921
	09-11		23.8				23.8	34.1				34.1	919
	12-14		22.0				22.0	24.2				24.2	721
	15-17		21.1				21.1	22.3				22.3	564
	18-20		26.0				26.0	26.0				26.0	576
	21-23		27.1				27.1	33.2				33.2	637
TOTALS			24.7				24.7	31.1				31.1	6759



2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

73050  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

73-67

YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	PERIOD	TH. HOUR ST. PMT	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 BEST TO VISION	TOTAL NO. OF OBS
AUG	00-01		27.5				29.5	31.3				31.3	659
	03-05		30.9				31.9	35.5				35.5	918
	06-08		30.4				36.4	32.0				32.0	721
	09-11		31.6				31.6	29.9				29.9	727
	12-14		26.7				26.7	24.1				24.1	621
	15-17		26.4				26.4	25.9				25.9	675
	18-20		27.7				27.7	27.6				27.6	762
	21-23		29.6				29.6	29.4				29.4	737
TOTAL			27.9				29.9	29.5				29.5	6933

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 2050  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

75-82

YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	TOTAL OBS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OF DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH BEST VISION	TOTAL OBS
SEP	00-01		29.9				29.9	15.0				15.0	597
	02-05		26.6				26.6	15.6				15.6	593
	06-08		27.5		.2		27.6	16.3				16.3	594
	09-11		27.7		.3		28.1	16.5	.1			16.5	598
	12-14		25.0		.2		25.3	13.4				13.4	605
	15-17	.1	24.9		.4	.1	25.0	13.4				13.4	601
	18-20		23.9		.1		23.9	14.1				14.1	721
	21-23		25.7				25.7	14.0				14.0	779
TOTAL		.0	26.7		.2	.0	26.8	15.0	.0			15.0	6212

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 1350  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

73-82

YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OF DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH VISIBILITY	TOTAL OBS
OCT	00-02		18.8		8.1		26.4	12.9		.6		13.5	715
	3-05		19.9		7.0		26.2	12.3		.7		13.0	701
	06-08		22.7		8.9		30.3	13.0		.2		13.2	719
	09-11		22.8		8.8	.1	30.0	16.1				15.1	727
	11-14		20.8		7.8	.2	27.0	15.6	.2	.1		15.9	710
	15-17		21.0		7.0		27.1	15.2		.1		15.3	716
	18-20		19.9		7.7	.1	26.3	15.2		.3		15.2	742
	21-23		21.0	.1	7.5		27.2	15.1		.4		15.5	789
TOTALS			20.9	.0	7.9	.1	27.6	14.5	.0	.3		14.7	6879

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

7 3000  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

73-82

YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	PERIOD	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBSC TO VISION	TOTAL NO. OF OBS
NOV	00-02		10.0	.1	82.1		37.5	13.7		3.9		20.4	479
	03-05		8.7	.3	21.5		29.3	10.9	.1	5.7		21.0	475
	06-08		0.6	.3	82.3		29.5	15.3		5.3		13.9	437
	09-11		0.9	.6	17.4		25.1	14.9		3.7		17.1	465
	12-14		12.0	.2	19.3		29.1	14.1		2.7		15.7	487
	15-17		12.3	.5	18.8		30.5	20.9		3.7	.1	23.4	780
	18-21		12.5		20.4		31.5	22.3		4.4		24.5	732
	21-23		11.5		19.1		29.6	21.1		5.1		23.5	744
TOTALS			10.0	.3	80.2		29.4	18.2	.0	4.3	.0	20.9	6665

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

73350  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

73-82

YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH REST TO VISION	TOTAL NO. OF OBS
DEC	00-06		5.3	.6	32.5		34.5	18.3		11.6		27.4	805
	07-12		5.7	.4	31.5		35.5	18.6		13.8		29.7	911
	13-18		5.3	1.0	28.3		33.2	19.5		13.8		30.7	911
	19-24		5.1	.7	26.2		29.9	21.5		9.3		29.2	916
	25-31		4.5	.4	25.4		28.6	20.8		6.5		26.7	913
	01-06		5.6		24.3		28.7	21.8		5.9		26.9	798
	07-12		5.6	.2	29.2		33.5	23.2		11.3		31.1	855
	13-18		5.3	.7	26.2		31.4	20.2		10.1		27.0	675
	19-24												
	25-31												
TOTALS			5.3	.5	27.7		31.9	20.5		10.3		28.3	6664

USAFETAC FORM 10-5 QL A-1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

7 2001 CAPE NEWENHAM AFB AK  
STATION NAME

73-82

YEARS

ALL  
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	PERCENTAGE	THUNDER STORM	RAIN AND FOG	FREEZING RAIN, SLEET OR RIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLU W/ W/ SNOW	DUST AND/OR MIST	% OF OBS WITH VIS LIMITATION	TOTAL OBS
JAN	ALL		7.7	.4	19.5		26.3	18.5		18.6		26.4	6726
FEB			5.1	.2	19.4		23.3	14.9	.0	9.3		21.0	6131
MAR			4.1	.1	27.2		31.1	23.5	.1	11.4		31.0	7105
APR			5.4	.2	23.8		26.6	23.5		7.7		27.5	6461
MAY			12.7	.0	9.0		21.3	17.1		1.2		17.5	6629
JUN		.0	22.2	.0	.4		22.5	28.0				29.0	6767
JUL			24.7				24.7	31.1				31.1	6759
AUG			29.9				29.9	29.6				29.5	6953
SEP		.0	20.7		.2	.0	26.8	15.0	.0			15.0	6422
OCT			20.9	.0	7.9	.1	27.5	14.5	.0	.3		14.7	6479
NOV			20.8	.3	23.2		29.4	18.2	.0	4.3	.0	20.9	6665
DEC			5.5	.5	27.7		31.9	20.5		17.3		25.3	6664
TOTAL		.0	14.6	.1	12.9	.0	26.8	21.2	.0	4.5	.0	24.2	74757

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

XX **WEATHER CONDITIONS** XX  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

7 3750 CAPE NEWENHAM AFS AK  
STATION NAME

53-02

YEARS

ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

MONTH	PERIOD	% OF DAYS WITH WIND	RAIN AMOUNT OR DRIZZLE	FREEZING RAIN OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH FROST	FOG	SMOKE OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF DAYS WITH ANY PHENOMENA	
JAN	DAILY		29.6	3.6	61.9		69.9	56.5		31.0		66.9	66.4
FEB			17.6	1.5	59.5	.2	66.4	51.4	.7	29.1		60.7	59.3
MAR			10.7	2.2	65.7		71.5	68.0	.7	32.4		65.7	65.5
APR			21.3	2.7	66.6	.2	72.3	60.4	.2	25.1		66.0	66.1
MAY		.1	50.3	.7	35.0		70.2	57.1	.1	3.0		67.7	74.1
JUN		.1	60.9	.1	4.0		69.9	61.6				61.0	77.8
JUL		.2	73.0		.1		73.0	62.6	.9			60.4	67.5
AUG			70.9		.1		82.9	59.7	.4			70.7	79.4
SEP		.3	62.6	.1	3.7	.5	63.7	46.6				46.6	73.2
OCT			50.5	.9	44.8	1.0	61.8	46.5	.3	5.2		44.0	78.0
NOV			40.8	2.4	63.4		79.0	55.0	.2	17.7		64.9	66.6
DEC			23.7	3.4	68.4		74.2	56.5		33.1		66.8	73.0
TOTAL		.1	47.0	1.5	39.5	.2	74.5	56.0	.3	14.6		50.5	61.2

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

FEDERAL BUREAU OF SURVEILLANCE  
 U.S. AIR FORCE  
 WEATHER SERVICE

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION: **CAMP NEWBHAM AFB AR.**  
 STATION NAME: **CAMP NEWBHAM AFB AR.**

53-27

YEARS

MONTH	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	0.04	0.08	0.16	0.32	0.64	1.28	2.56	5.12	10.24	20.48	OVER 20.48			MEAN	GREATEST	LEAST
JAN	1.1	14.0	4.7	13.5	8.0	9.9	4.0	3.0	.4					44.0	758	1.3	5.00	0.0
FEB	3.7	25.0	5.1	12.6	6.7	6.8	3.7	1.0						41.4	711	1.1	7.10	0.0
MAR	2.0	24.0	7.4	19.9	7.6	7.0	3.0	1.5	.7					47.0	621	1.77	5.10	0.0
APR	1.7	25.0	7.3	17.1	4.0	2.7	3.7	1.0	.4					47.0	778	1.34	4.0	0.0
MAY	1.0	27.0	7.7	11.3	1.5	2.2	4.0	2.3	.8					41.0	650	1.14	4.0	0.0
JUN	2.2	24.0	5.6	11.2	5.1	9.1	6.3	4.9	1.7					43.0	621	2.13	5.0	0.0
JUL	1.4	21.0	5.0	9.7	7.2	11.3	5.0	6.7	2.3					41.0	675	4.01	5.00	0.0
AUG	1.1	19.0	4.2	12.9	5.0	10.5	11.7	5.4	4.7	.2				54.0	613	1.77	11.00	0.0
SEP	2.1	13.1	5.7	13.0	3.3	10.0	1.0	7.0	3.7					67.8	784	3.77	3.00	0.0
OCT	1.1	20.4	5.3	13.4	1.9	13.0	9.5	7.3	3.7	.2				41.0	657	1.37	11.40	1.0
NOV	2.4	21.0	4.7	14.0	3.4	14.5	7.0	5.7	1.5					57.0	794	3.05	7.25	0.0
DEC	1.4	13.9	5.1	14.7	1.1	12.7	5.0	1.0	.7					51.0	622	2.31	5.10	0.0
ANNUAL	1.7	22.5	5.8	13.5	2.1	11.3	6.4	4.4	1.5	.				51.3	9514	1.35		

# EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

STATION NUMBER: 0885 (OLA)

STATION NAME: ETAC

YEARS: 1951-1977

AMOUNT IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
52	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
53	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
54	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
58	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
61	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
62	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
65	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
66	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
67	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
76	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
78	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
80	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
81	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
82	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
83	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
84	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
88	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
89	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
91	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
92	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
93	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
94	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
95	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
96	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
97	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
98	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
99	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S D	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL OBS	77	77	77	77	77	77	77	77	77	77	77	77	77

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1951	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1952	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1953	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1954	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1955	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1956	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1957	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1958	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1959	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1960	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1961	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1962	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1963	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1964	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1965	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1966	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1967	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1968	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1969	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1970	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1971	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1972	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1973	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1974	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1975	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1976	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1977	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1978	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1979	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
1980	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
MEAN	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
SD	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
TOTAL OBS	703	703	703	703	703	703	703	703	703	703	703	703	703

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
U.S. WEATHER SERVICE/WAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NAME: CAPE NEWENHAM AFB AK

53-02

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)			
	NONE	TRACE	01	02	05	06	10	11	25	26	30	35	50			100	OVER 100	MEAN	GREATEST
SNOWFALL	NONE	TRACE	01	04	05	14	24	34	44	54	64	74	84	94	OVER 94				
SNOW DEPTH	NONE	TRACE	1	2	3	4	6	7	12	24	36	48	60	OVER 60					
JAN	10.7	25.7	24.2	13.8	7.1	2.0	1.1	.7	.1	.1					31.0	774	21.6	70.0	.4
FEB	25.9	25.5	16.3	14.7	3.7	.7	1.0	.8	.7						77.0	713	11.1	24.0	.4
MAR	10.7	27.3	21.9	14.7	7.0	.8	.7	.8	.4	.3					41.0	711	11.7	30.7	1.0
APR	21.4	26.0	21.7	15.0	3.2	1.5	.1	.1	.1						40.0	818	11.5	27.1	1.0
MAY	31.5	18.9	17.5	5.5	1.0	.7	.	.0							11.0	880	.	19.0	TRACE
JUN	25.3	4.2	.0												.0	815	TRACE	TRACE	.1
JUL	19.9	.1													.0	819	TRACE	TRACE	.1
AUG	19.9	.1													.0	818	TRACE	TRACE	.0
SEP	15.7	0.6	.5	.3											.0	716	.1	1.4	.1
OCT	13.0	16.0	10.8	5.7	7.7	2.2	.7								21.0	856	5.5	21.7	TRACE
NOV	34.5	24.7	17.2	14.6	4.9	1.8	1.2	.8		.1					40.0	814	17.3	36.0	TRACE
DEC	10.7	25.1	21.0	15.5	5.2	2.1	.7	1.0							44.5	871	17.4	27.1	.7
ANNUAL	19.0	17.3	11.1	8.5	3.2	.9	.6	.4	.1	.0					23.7	7876	81.3		

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	A. MONTHS
YEAR													
...	...	...	...	...	...	...	...	...	...	...	...	...	...
MEAN	...	...	...	...	...	...	...	...	...	...	...	...	...
S D	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL OBS	...	...	...	...	...	...	...	...	...	...	...	...	...

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**EXTREME VALUES**

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
15	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
17	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
23	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
24	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
28	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
29	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
30	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
31	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
32	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
33	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
34	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
35	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
36	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
37	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
38	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
39	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
41	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
42	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
43	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
44	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
45	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
47	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
48	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
49	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
51	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
52	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0
MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S D	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL OBS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

CENTRAL METEOROLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

7 1001 CAPE NEWENHAM AFS AK  
 STATION STATION NAME

53-57

YEARS

PRECIP INCH DEPTH	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	50	101-250	251-500	501-1000	1000	OVER 2000			MEAN	GREATEST	LEAST
JAN	7.5	7.4	2.9	9.4	1.0	10.2	15.9	17.2	.7	3.3				85.1	326			
FEB	4.1	9.2	1.0	9.2	4.3	14.3	23.1	12.4	4.5	1.7	.1			86.7	814			
MAR	1.0	6.5	10.2	6.5	4.8	10.5	21.4	15.9	8.4	3.7	.1			89.1	876			
APR	5.7	5.7	4.9	5.2	17.1	14.3	12.3	14.7	10.5	7.1	.2			85.3	864			
MAY	20.3	21.8	10.5	6.5	5.0	11.6	6.7	6.0	3.7	1.6				83.0	825			
JUN	72.7	25.3	.5	.5	.1	.4	.0							80.1	835			
JUL	57.5	1.5													841			
AUG	35.3	4.7													907			
SEP	18.9	.3	.9											.9	913			
OCT	59.0	17.3	0.1	3.1	7.0	.0	1.0	.3						13.7	929			
NOV	19.3	21.0	15.9	11.2	7.0	7.1	5.2	2.0	.4					45.7	910			
DEC	5.4	10.1	10.4	13.6	13.2	16.0	16.7	7.3	1.2	1.1				79.4	924			
ANNUAL	42.2	1.3	7.2	6.5	5.2	6.3	8.9	6.3	2.3	1.6	.7			45.5	11543			

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STATION NUMBER: 10000000  
 STATION NAME: ...

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: ... STATION NAME: ...

YEARS: ...

## DAILY INCH DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
5		49	51	10	33	TRAC							
6		17	37	11	40	12							
7		7	21	18	24								
8		15	21	25	6	TRAC				TRAC			
9		13	31	40	22	TRAC				TRAC			
10		10	9	7	1	TRAC	TRAC						
11		6	5	10	1	TRAC							
12		7	2	18	17								
13		23	40	15	7								
14		7	3	6	1								
15		4	3	3	5								
16		3	3	3	5								
17		13	17	12	17								
18		5	14	15	10	TRAC	TRAC						
19		19	17	16	10	TRAC	TRAC						
20		5	7	7	7	TRAC	TRAC			TRAC	TRAC		
21	1	3	17	4	TRAC					TRAC	TRAC		
22	1	13	14	47	4	TRAC				TRAC			
23	1	14	14	17	11	TRAC	TRAC						
24	1	2	7	17	17	TRAC	TRAC						
25		5	11	15	15								
26		TRAC	TRAC	TRAC	TRAC								
27		11	11	11	11	TRAC							
28		11	11	11	11	TRAC							
29		11	11	11	11	TRAC							
30		11	11	11	11	TRAC							
31		11	11	11	11	TRAC							
32		11	11	11	11	TRAC							
33		11	11	11	11	TRAC							
34		11	11	11	11	TRAC							
35		11	11	11	11	TRAC							
36		11	11	11	11	TRAC							
37		11	11	11	11	TRAC							
38		11	11	11	11	TRAC							
39		11	11	11	11	TRAC							
40		11	11	11	11	TRAC							
41		11	11	11	11	TRAC							
42		11	11	11	11	TRAC							
43		11	11	11	11	TRAC							
44		11	11	11	11	TRAC							
45		11	11	11	11	TRAC							
46		11	11	11	11	TRAC							
47		11	11	11	11	TRAC							
48		11	11	11	11	TRAC							
49		11	11	11	11	TRAC							
50		11	11	11	11	TRAC							
51		11	11	11	11	TRAC							
52		11	11	11	11	TRAC							
53		11	11	11	11	TRAC							
54		11	11	11	11	TRAC							
55		11	11	11	11	TRAC							
56		11	11	11	11	TRAC							
57		11	11	11	11	TRAC							
58		11	11	11	11	TRAC							
59		11	11	11	11	TRAC							
60		11	11	11	11	TRAC							
61		11	11	11	11	TRAC							
62		11	11	11	11	TRAC							
63		11	11	11	11	TRAC							
64		11	11	11	11	TRAC							
65		11	11	11	11	TRAC							
66		11	11	11	11	TRAC							
67		11	11	11	11	TRAC							
68		11	11	11	11	TRAC							
69		11	11	11	11	TRAC							
70		11	11	11	11	TRAC							
71		11	11	11	11	TRAC							
72		11	11	11	11	TRAC							
73		11	11	11	11	TRAC							
74		11	11	11	11	TRAC							
75		11	11	11	11	TRAC							
76		11	11	11	11	TRAC							
77		11	11	11	11	TRAC							
78		11	11	11	11	TRAC							
79		11	11	11	11	TRAC							
80		11	11	11	11	TRAC							
81		11	11	11	11	TRAC							
82		11	11	11	11	TRAC							
83		11	11	11	11	TRAC							
84		11	11	11	11	TRAC							
85		11	11	11	11	TRAC							
86		11	11	11	11	TRAC							
87		11	11	11	11	TRAC							
88		11	11	11	11	TRAC							
89		11	11	11	11	TRAC							
90		11	11	11	11	TRAC							
91		11	11	11	11	TRAC							
92		11	11	11	11	TRAC							
93		11	11	11	11	TRAC							
94		11	11	11	11	TRAC							
95		11	11	11	11	TRAC							
96		11	11	11	11	TRAC							
97		11	11	11	11	TRAC							
98		11	11	11	11	TRAC							
99		11	11	11	11	TRAC							
100		11	11	11	11	TRAC							
MEAN	11.0	10.7	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5
S D	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL OBS	10	10	10	10	10	10	10	10	10	10	10	10	10

1

STATION NUMBER: 111111  
 STATION NAME: 111111

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: 111111 STATION NAME: 111111 YEARS: 1111-1111

DAILY MEAN WIND SPEED IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1111		49	5	10	25	TRAC							
1112		17	10	10	40	11							
1113		7	10	10	10	10							
1114		10	10	10	10	10							
1115		10	10	10	10	10							
1116		10	10	10	10	10							
1117		10	10	10	10	10							
1118		10	10	10	10	10							
1119		10	10	10	10	10							
1120		10	10	10	10	10							
1121		10	10	10	10	10							
1122		10	10	10	10	10							
1123		10	10	10	10	10							
1124		10	10	10	10	10							
1125		10	10	10	10	10							
1126		10	10	10	10	10							
1127		10	10	10	10	10							
1128		10	10	10	10	10							
1129		10	10	10	10	10							
1130		10	10	10	10	10							
1131		10	10	10	10	10							
1132		10	10	10	10	10							
1133		10	10	10	10	10							
1134		10	10	10	10	10							
1135		10	10	10	10	10							
1136		10	10	10	10	10							
1137		10	10	10	10	10							
1138		10	10	10	10	10							
1139		10	10	10	10	10							
1140		10	10	10	10	10							
1141		10	10	10	10	10							
1142		10	10	10	10	10							
1143		10	10	10	10	10							
1144		10	10	10	10	10							
1145		10	10	10	10	10							
1146		10	10	10	10	10							
1147		10	10	10	10	10							
1148		10	10	10	10	10							
1149		10	10	10	10	10							
1150		10	10	10	10	10							
1151		10	10	10	10	10							
1152		10	10	10	10	10							
1153		10	10	10	10	10							
1154		10	10	10	10	10							
1155		10	10	10	10	10							
1156		10	10	10	10	10							
1157		10	10	10	10	10							
1158		10	10	10	10	10							
1159		10	10	10	10	10							
1160		10	10	10	10	10							
1161		10	10	10	10	10							
1162		10	10	10	10	10							
1163		10	10	10	10	10							
1164		10	10	10	10	10							
1165		10	10	10	10	10							
1166		10	10	10	10	10							
1167		10	10	10	10	10							
1168		10	10	10	10	10							
1169		10	10	10	10	10							
1170		10	10	10	10	10							
1171		10	10	10	10	10							
1172		10	10	10	10	10							
1173		10	10	10	10	10							
1174		10	10	10	10	10							
1175		10	10	10	10	10							
1176		10	10	10	10	10							
1177		10	10	10	10	10							
1178		10	10	10	10	10							
1179		10	10	10	10	10							
1180		10	10	10	10	10							
1181		10	10	10	10	10							
1182		10	10	10	10	10							
1183		10	10	10	10	10							
1184		10	10	10	10	10							
1185		10	10	10	10	10							
1186		10	10	10	10	10							
1187		10	10	10	10	10							
1188		10	10	10	10	10							
1189		10	10	10	10	10							
1190		10	10	10	10	10							
1191		10	10	10	10	10							
1192		10	10	10	10	10							
1193		10	10	10	10	10							
1194		10	10	10	10	10							
1195		10	10	10	10	10							
1196		10	10	10	10	10							
1197		10	10	10	10	10							
1198		10	10	10	10	10							
1199		10	10	10	10	10							
1200		10	10	10	10	10							
MEAN													
SD													
TOTAL OBS.													

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 OFFICE OF SEA AND COAST GUARD

# EXTREME VALUES

NO. 10-10-10

FROM DAILY OBSERVATIONS

STATION: CAPE NEVILLERMAN A  
 STATION NAME: CAPE NEVILLERMAN A

07-71

YEARS

## DAILY PEAK WINDS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	All MONTHS
50													
51													
52	11/ 618/	601/	619/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
53	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
54	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
55	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
56	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
57	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
58	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
59	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
60	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
61	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
62	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
63	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
64	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
65	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
66	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
67	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
68	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
69	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
70	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
71	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
72	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
73	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
74	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
75	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
76	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
77	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
78	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
79	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
80	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
81	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
82	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
83	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
84	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
85	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
86	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
87	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
88	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
89	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
90	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
91	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
92	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
93	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
94	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
95	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
96	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
97	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
98	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
99	11/ 711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	711/	
00	11/ 618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	618/	
MEAN													
SD													
TOTAL OBS													

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

**SURFACE WINDS**

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

7 8000 STATION NO. CAPE NEWENHAM AFB AK STATION NAME 73-52 YEARS

ALL WEATHER CLASS

CONDITION

SPEED KNT DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	1.3	2.7	.8	1.5	.8					1.7	14.7
NNE	.7	.4	.8	.5	.1	.1						2.7	8.0
NE	.4	.2	.6									1.2	10.8
ENE	.2		.6	.2	.2							1.3	10.6
E	1.4	1.2	1.2	4.1	2.7	1.1	.4	.1				11.4	13.3
ESE	.9	.8	1.1	5.1	5.2	4.5	2.7	1.1				21.6	19.2
SE	.5	.5	.2	1.4	2.8	1.6	1.3	.5				4.5	16.9
SSE	1.1	1.4	1.3	2.4	2.1	.8	.2					9.4	13.1
S	.2	.4	3.1	1.6	2.7	1.1	.1					8.3	13.9
SSW		.1	.6	.7	.1							1.7	11.7
SW		.2	.1	.7								1.1	10.7
WSW	.2	.1	.7	.4	.1							1.5	9.2
W	.2	.1	.5	.6	.1	.1						1.8	11.0
WNW	.1		.2	.9	.2							1.3	12.5
NW	.1	.1	.1	.6								.9	9.8
NNW	.1		.4	1.3	1.1	.7	.1					3.7	16.6
VARBL													
CALM												10.4	
	5.6	5.7	22.7	23.3	17.7	11.7	4.9	1.6				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

549

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

**SURFACE WINDS**

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

STATION NO. CAPE NEWENHAM AFS AK STATION NAME 73-92 YEARS JAN MONTH 1973-1974 YEARS 51

ALL WEATHER CLASS

CONDITION

		4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	.4	.2	1.0	2.4	.4	2.1	.7					7.3	13.7
NNE	.4	.2	.9	.2		.1	.1					1.0	11.2
NE	.2	.3	.2	.1								1.4	8.7
ENE	1.1	.3	.6		.1							2.1	8.2
E	.8	.7	2.4	4.6	2.0	1.0	.1	.3				11.7	13.5
ESE	.4	.2	1.4	4.5	5.3	3.3	1.8	.7				14.4	14.4
SE	.3	.3	.9	1.3	3.1	2.7	.8	.2				1.1	13.8
SSE	.7	1.2	1.7	2.6	2.7	1.2	.2					9.8	14.1
S	.1	.5	2.7	2.1	1.4	.3						8.6	13.1
SSW	.1	.3	.6	.4	.2	.1						1.3	11.2
SW		.2	.2	1.0	.1							1.1	11.4
WSW		.1	.4	.2	.2							1.0	11.4
W	.1	.2	.4	.3	.2							1.3	10.1
WNW	.1	.2	.3	.3		.1						1.1	9.7
NW	.1	.1	.2	.3		.2						1.0	13.2
NNW	.1	.7	.6	2.6	.9	.6	.2					5.8	14.2
VARIABLE													
CALM												17.5	
	4.7	7.2	13.9	23.2	16.2	12.4	3.9	1.4				13.1	12.6

TOTAL NUMBER OF OBSERVATIONS 909

STATION NO. CAPE NEWENHAM AFS AK STATION NAME 73-92 YEARS JAN MONTH 1973-1974 YEARS 51

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 050 CAPE NEWENHAM AFS AK  
STATION NAME

73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

CONDITION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	1.5	3.1	1.7	1.4	.5					5.9	14.3
NNE	.5	.3	.3			.1	.1					1.4	5.0
NE	.1	.2	.1	.4								.9	7.8
NNE	.2	.4	.3	.2								1.2	6.5
E	.4	1.7	2.4	2.5	1.5	.7	.1					8.8	12.9
ESE	.6	.3	1.1	4.7	6.0	3.7	2.5	.7				19.3	17.3
SE	1.7	1.1	.7	2.1	3.5	3.1	1.3	.1				13.1	17.3
SSE	1.1	1.7	1.2	1.9	1.5	1.0	.3	.1				8.8	12.8
S	.4	1.7	1.0	2.7	1.5	.7	.1					7.4	13.5
SSW		.7	.3	.3	.3	.3						1.0	12.8
SW		.2	.2	.9								1.9	15.3
WSW		.2	.2	.3	.1							.7	10.6
W	.1	.2	.2	.5								1.1	9.7
WNW			.4	.3								.3	15.9
NW		.7	.7	.2	.7							1.7	12.5
NNW		1.2	.7	2.4	.9	1.7						5.1	13.9
VARBL												16.0	
CALM													
	3.2	9.5	12.1	21.9	17.7	12.3	5.0	.9				173.0	12.7

TOTAL NUMBER OF OBSERVATIONS

217

FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1957 CAPE NEWENHAM AFS AK  
STATION NO. STATION NAME

73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

910-1130  
HELIUM TEST

CONVENTION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.3	2.8	1.8	1.7	.2					1.4	14.2
NNE	.2	.9	.4	.5	.2	.2						2.4	10.2
NE	.7	.4	.2	.2								1.0	8.4
ENE	.8	.7	.3	.2								2.0	10.3
E	.8	1.1	2.5	3.4	1.2	.5		.1				9.5	11.8
ESE	.1	.7	1.6	4.9	4.5	3.3	1.4	.9	.1			17.5	19.0
SE	.8	1.8	1.1	2.1	2.5	3.3	1.4	.8				13.7	16.2
SSE	1.1	1.0	1.0	2.0	2.8	1.2	.7					9.7	15.0
S	.5	.8	1.6	2.3	1.3	.5	.1					7.2	17.0
SSW		.2	.3	.8	.5							1.0	12.8
SW	.4	.1	.3	.4								1.0	9.9
WSW		.2	.1	.1	.4							.7	10.5
W		.2	.4	.2								.7	9.4
WNW	.1	.3	.3		.1							.9	8.0
NW		.1	.1	.7	.4							1.3	14.2
NNW	.2	.4	.2	1.6	.4	.2	.1					3.9	12.7
VARBL													
CALM												15.4	
	5.8	9.9	13.6	22.2	16.4	11.0	3.9	1.7	.1			100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

920

UNCLASSIFIED

2

GLOBAL CLIMATOLOGY BRANCH  
 COMPTON  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1953 CAPE WENHAM AFS AK  
STATION NAME

73-82  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

10 0-17  
WINDS (KTS)

CONDITION

WIND DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	MEAN WIND SPEED	
N	1.0	1.2	2.1	2.9	1.2	2.7						11.1	13.0
NNE	.7	.5	.9	.1	.2							2.4	7.1
NE	.3	.4	.4	.1								1.3	5.0
ENE	.1	.3	.4	.2								1.1	.0
E	.4	.9	2.1	3.3	2.2	.4	.1	.2				9.3	11.7
ESE	.1	.2	1.7	3.7	4.9	3.7	1.7	.4	.1			13.7	16.4
SE	1.7	1.7	1.1	1.9	1.9	2.5	1.3	1.2				11.2	16.8
SSE	.7	1.5	1.2	2.6	2.4	1.7	.8					11.1	14.5
S	.7	.1	1.7	3.1	2.4	1.4	.1					9.7	14.9
SSW	.1	.3	.3	.5	.5	.2						2.1	13.6
SW		.2	.7	.7	.1							1.3	10.9
WSW		.2	.4	.1	.2							1.0	11.0
W		.4	.2									.7	5.7
WNW	.1	.3	.2									.7	5.3
NW		.1	.2	.5	.1							1.0	16.3
NNW		.5	1.2	1.3	1.0	.5						4.4	13.9
VARBL													
CALM												16.1	
	0.1	6.6	14.4	27.7	17.1	12.0	4.2	1.9	.1			100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

918

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFBETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03750 CARTER WENHAM AFS AK  
 STATION NAME

73-82

JUN  
 MONTH

ALL WEATHER  
 CLASS

15 00-1700  
 HOURS, LAST

CONCLUSION

WIND DIRECTION	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-64	65	MEAN WIND SPEED
N	.7	1.1	2.1	2.8	1.9	1.1	.5						1.4
NNE	.5	1.1	.7	.5									1.0
NE	.4	.5	.7										1.0
ENE	.5	.5	.1	.2									1.0
E	.7	.5	2.6	3.3	1.4	.7	.5	.1					1.9
ESE	.2	.6	1.5	3.9	3.7	4.4	1.2	.9	.1				16.4
S	.7	.3	.7	2.4	2.2	1.2	1.3	1.1					1.2
SSE	.5	2.2	.7	2.3	1.3	1.5	.4						2.4
S	.4	.1	1.7	3.9	2.5	1.5	.4						10.1
SSW	.2	.2	1.1	.6	.7	.5	.1						3.0
SW	.1	.2	.1	.4	.1								1.0
WSW		.4	.2	.1	.4								1.1
W	.4	.2	.4	.4									1.3
WNW	.1	.2	.4	.2									1.0
W		.2	.1	.4	.1								.9
WNW	.6	.1	1.2	1.3	1.0	1.3	.1						1.5
VARBL													14.3
CALM													
	5.8	9.7	13.8	22.8	15.8	11.7	4.5	2.1	.1				12.1

TOTAL NUMBER OF OBSERVATIONS

571

REPTAL 15 JUN 73 00-1700 HOURS, LAST

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 3007 CAPE NEWENHAM AFB AK  
STATION

73-75.77-82

JULY  
MONTH  
1967-1967  
YEAR

ALL WEATHER

CLASS

CONDITION

SPEED KNOTS E R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	1.6	1.7	2.8	1.1	.0	.2				9.4	10.6
NNE	.5	.0	.0	.3								2.1	5.6
NE		1.3	.5									1.7	6.0
NNE	.0	.3	.8	.3								2.2	5.6
E	.0	1.3	4.2	4.2	.8	.5	.3	.2				11.9	12.0
ESE	.0	.2	1.3	4.8	3.6	5.3	2.0	.9				13.0	10.0
SE	.0	.6	.6	2.5	3.4	1.9	.9	.3	.2			10.9	10.6
SSE	.8	1.4	1.7	2.2	2.5	.8	.6					11.0	13.6
S		.7	2.1	3.6	2.7	.3	.2					7.1	13.7
SSW	.2	.7	.9	1.6	.6							3.4	12.3
SW	.0		.5									.0	6.6
WSW			.2	.3								.0	12.3
W	.0	.3	.5	.5		.2	.2					1.9	11.4
WNW	.2			.2			.2					.5	10.3
NW		.7	.3	.5	.2							1.3	12.1
NNW	.2	.3	.6	1.1	1.1	.2	.3					3.8	15.7
VARBL												12.7	
CALM													
	4.5	9.3	10.4	21.8	17.0	10.2	5.5	1.6	.2			10.0	13.2

TOTAL NUMBER OF OBSERVATIONS

541

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1950

CAPE NEWENHAM AFS AK  
STATION NAME

73-74,76-92  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

11 0-2000  
NUMBER OF DAYS

CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.3	.	1.0	2.5	1.8	1.3	.3	.2				0.9
NNE	.7	1.3	1.0	.3	.2							3.1
NE	.5	.3	.2	.7								1.1
ENE	.5	.7	.7	.3	.2							2.3
E	.8	.7	2.7	4.6	2.3	.3	.5					11.3
ESE		.3	2.1	6.4	4.9	5.7	1.6	.3				11.5
SE	.1	.3	.7	1.6	2.7	2.3	1.7	.3				9.2
SSE	.1	1.7	2.0	2.4	1.3	1.1	.2					5.5
S	.2	1.7	1.8	2.4	2.1	.2						7.7
SSW	.2	.5	.5	.7	.2							1.3
SW	.2	.2	.4	.5								1.8
WSW	.7	.2	.5	.3								1.3
W		.3	.5	.3								1.1
WNW				.5	.2							.7
NW			.7	.3	.2							1.1
NNW	.3	.2	.2	.3	.7	.5	.3					2.5
VARBL												14.6
CALM												14.6
	10.1	9.9	14.4	25.3	15.9	12.0	3.9	.8				100.0

TOTAL NUMBER OF OBSERVATIONS

629

CAPIETA 1 1 PM 1950

U.S. AIR FORCE  
 METEOROLOGICAL BRANCH  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION NAME: **LAFF WHELANHAM AFB AK**

73-52

JAN  
 MONTH

ALL WEATHER

ALL

CONDITION

DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.2	.1	2.7	1.4	1.7	.5	.7				7.4	15.7
NNE	.5	.6	.7	.3	.1	.1	.5					2.3	9.1
NE	.7	.5	.4	.1								1.3	6.1
ENE	.5	.4	.5	.2	.1							2.7	5.7
E	.7	.3	2.4	3.7	1.7	.7	.7	.1				10.5	13.2
ESE	.4	.5	1.5	4.6	4.8	4.2	1.3	.8	.1			15.5	19.3
SE	.7	.9	.7	1.9	2.7	2.3	1.2	.6	.1			11.1	15.5
SSE	.5	1.4	1.3	2.3	2.0	1.7	.4	.0				7.3	13.6
S	.3	.6	1.2	2.8	1.9	.8	.1	.0				8.3	14.1
SSW	.2	.7	.6	.7	.4	.2	.0					2.2	12.4
SW	.1	.2	.4	.5	.1							1.2	10.1
WSW	.1	.2	.3	.2	.2							1.2	10.6
W	.1	.3	.4	.3	.0	.7	.0					1.2	5.6
WNW	.1	.2	.3	.3	.1	.0	.3					.9	10.2
NW	.1	.2	.3	.4	.2	.0						1.2	12.3
NNW	.1	.4	.7	1.6	.9	.6	.1					4.6	14.5
VARBL												15.4	
CALM												10.3	12.5
TOTAL	5.3	8.5	13.8	22.7	16.5	11.7	4.5	1.5	.1			100.0	12.5

TOTAL NUMBER OF OBSERVATIONS

6580

2

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73000 CAPE NEWENHAM AFS AK  
STATION STATION NAME

73-82  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

000-2200  
HOURLY

WIND DIRECTION	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	3.2	4.8	5.4	2.8	1.7	.3					18.3	12.4
NNE	.7	1.9	1.9	.5								5.1	6.3
NE	.9	.9		.1								1.9	4.3
ENE	.4	.6		.3								1.3	6.0
E	.9	1.7	2.4	2.2	1.7	.5	.7					9.8	11.5
ESE	.3	.3	1.7	3.7	4.7	2.3	.5	.1				12.0	15.9
SE	.1	.5	.4	1.8	2.5	2.2	1.7	.4				9.9	15.4
SSE	.6	1.3	.8	1.9	1.7	1.2	.3					7.5	14.4
S	.4	1.7	.5	2.1	1.9	.4						5.5	13.5
SSW		.4	.3	.3								.9	8.7
SW			.5	.3								.3	11.2
WSW			.5									.3	5.0
W		.7	.5									.9	7.1
WNW		.7	.6	.6								1.5	11.1
NW	.4	.1	.1	.9	.5	.1						2.1	12.3
NNW	.4	.4	1.7	1.3	1.4	.3						5.4	14.4
VARIABLE												10.1	
CALM												10.1	
	5.9	12.7	15.3	22.8	16.8	9.3	3.0	.5				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

778

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

### SURFACE WINDS

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

710000 CAPE NEWENHAM AFS AK  
 STATION

73-82

604

ALL WEATHER  
 CLASS

1300-1500  
 HOURS

CONTINUED

WIND DIRECTION	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	3.1	4.3	5.2	3.1	1.3	.5					17.3	10.8
NNE	.7	1.3	1.5	.7	.7							4.4	6.1
NE	.1	.7	.5									1.1	5.0
ENE	.6	.7	.4	.1								1.5	5.3
E	.6	1.3	1.4	2.3	1.2	.7	.1	.2				10.4	10.7
ESE	.1	.2	1.2	4.1	2.3	2.7	1.8	.1				13.3	10.6
SE	.2	.5	.5	1.8	2.4	3.7	1.3	.1				9.9	10.8
SSE	.6	.3	.6	1.6	2.2	1.2	.2					7.2	10.5
S	.2	.3	1.2	2.6	1.6	.2						5.7	10.0
SSW	.2	.4	.6	.2								1.4	7.5
SW	.2	.1	.5	.1								1.1	7.1
WSW	.1	.2	.2									.5	5.5
W	.1	.2	.1	.4								.7	7.2
WNW	.2	.1	.4	.6	.1							1.4	10.0
NW			.6	.4	.1	.1						1.2	13.0
NNW	.5	.2	.8	1.6	1.5	1.0						5.6	10.4
VARBL												17.1	
CALM												17.1	
	4.8	11.1	15.1	21.6	14.5	11.3	4.2	.5				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

630

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7.0000 CAPE NEWENHAM AFS AK 73-82  
 STATION NAME YEAR  
 ALL WEATHER CLASS  
 COND. TION

WIND DIR	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.3	3.6	4.6	2.9	2.5	.4					15.5	13.9
NNE	.7	1.5	1.4	1.1								4.3	5.7
NE	.6	1.7	.1									1.7	3.9
ENE		1.2	.4	.7	.1	.1						2.5	9.6
E	.5	1.3	3.2	2.8	.8	.5						5.1	11.1
ESE	.5	.6	1.1	3.2	7.1	3.6	1.9	.5				14.5	19.3
SE	.5	1.1	.8	1.4	1.8	2.8	1.2	.4				9.7	16.4
SSE	.7	1.4	.8	1.3	1.2	.7	.4					5.6	14.0
S	.4	1.7	1.9	3.4	.6	.5		.2				7.2	12.5
SSW			.5	.2	.1							1.0	9.2
SW			.4	.1								.5	10.6
WSW	.1	.1	.2	.4								.3	9.1
W		.5	.6	.2								1.3	7.5
WNW	.1		.5	.8	.1							1.0	11.9
NW	.1	.5		.5	.1	.1						1.4	10.2
NNW	.2	.5	1.1	1.6	1.6	.6	.2					5.3	14.5
VARBL												14.5	
CALM													
	4.0	13.1	16.7	22.8	12.5	11.2	4.1	1.1				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 533

USAFETAC 1 PM 1973

FEDERAL CLIMATOLOGY BRANCH  
WAFETAC  
U.S. WEATHER SERVICE/4AC

**SURFACE WINDS**

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

73001 CAPE NEWENHAM AFS AK  
STATION

73-92  
YEARS

FEB  
MONTH  
1970-1972  
PERIOD

ALL WEATHER  
CLASS

CONDITION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	0	MEAN WIND SPEED
N	.6	2.1	3.7	5.2	2.6	1.7	.7					10.6	13.4
NNE	.5	.6	1.0	.7	.1							2.7	7.1
NE	1.1	.7	.1	.4	.1							2.4	5.7
ENE	1.3	.6	.2	.7	.1							3.1	6.1
E	1.7	1.8	2.7	3.0	.8	.1	.2					9.7	11.7
ESE	.6	1.7	1.3	3.6	2.4	7.5	2.4	.4				14.5	11.7
SE	.7	1.4	.4	1.5	3.1	2.7	1.6	.2	.2			11.1	11.4
SSE	.4	1.2	.7	1.5	1.9	1.7	.5	.1				7.1	13.4
S	.2	.6	1.5	1.7	1.7	.4						1.4	12.4
SSW			.6	.4	.1							1.1	11.3
SW				.2								.2	14.5
WSW			.1	.1								.2	12.1
W	.4	.5	.4	.7								1.7	8.5
WNW	.2	.2	.4	.7								1.5	9.5
NW		.1	.5	.4	.1							1.1	11.0
NNW	.2	1.1	.6	2.0	1.9	1.7						6.9	14.5
VARBL												14.5	
CALM												14.5	
TOTAL	7.3	11.7	13.5	23.4	14.3	6.7	5.2	.7	.7			170.5	11.7

TOTAL NUMBER OF OBSERVATIONS

639

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAO

**SURFACE WINDS**

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

7 0050 CAPE NEWENHAM AFS AK  
STATION STATION NAME

73-82  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1 00-140  
WINDS (KTS)

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	250	WIND SPEED
N	1.0	2.9	3.6	5.0	3.7	1.9	.5					1.9
NNE	.8	.4	1.0	.5	.2							2.9
NE	.5	.4	.4	.2	.1							1.9
ENE	1.0	.6	.4	.7	.1							3.7
E	.8	1.9	1.5	3.0	.8	.2	.1	.1				3.1
ESE	.4	.4	2.0	3.0	3.0	1.5	1.7	.2				14.4
SE	.6	.8	.7	1.8	1.1	1.7	1.2	.2	.2			7.9
SSE	.5	1.1	1.0	1.9	1.7	.8	.5	.4	.1			7.9
S	.4	.7	1.4	2.7	1.5	.5						7.3
SSW			.1	.4								.8
SW	.1			.2								.4
WSW			.1	.4	.1							.8
W	.1	.4	.7	.5								1.7
WNW		.4	.4	.2								1.3
NW	.1	.1	.4	.7	.4							1.7
NNW	.1	1.3	.5	2.0	2.0	1.0						6.7
VARBL												18.3
CALM												
	6.0	17.6	14.1	24.1	14.8	8.9	3.9	1.0	.4			113.2

TOTAL NUMBER OF OBSERVATIONS

1132

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1000 CAPE NEWENHAM AFS AK 73-81  
 STATION NAME YEAR  
 ALL WEATHER  
 CLASS  
 CONDITION  
 1977-1978  
 MONTH

DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.1	4.3	5.3	3.6	2.2	.4					18.7	15.7
NNE	.7	.7	.6	.2	.1							2.5	7.1
NE	.6	.1	.1	.2								1.1	5.1
NNE	.2	.5	.4	.4		.1						1.7	5.1
E	.3	1.2	2.2	3.6	.7	.9	.1					9.3	12.3
ESE	.4	.2	1.7	4.2	2.7	2.7	.7	.1	.2			13.2	17.8
SE	.6	.5	.1	2.2	1.6	1.2	1.2	.4	.2			3.1	19.2
SSE	.5	.5	1.2	2.2	1.7	1.5	.6					3.3	15.5
S	.5	.7	1.2	2.7	1.7	.7	.1	.1				7.5	13.4
SSW		.2	.1	.1	.2							.7	11.5
SW		.1	.1	.2		.1						.5	12.5
WSW		.2	.2	.4								.4	9.9
W	.1	.1	.5	.7								1.5	13.7
WNW			.2	.4								.9	13.7
NW	.1	.2	.5	.7	.1	.1						1.2	11.1
NNW	.5	.7	.2	2.7	2.1	1.5						7.4	14.6
VARBL												18.7	
CALM													
	5.6	9.8	14.3	25.8	14.2	10.7	3.2	.6	.5			122.2	12.2

TOTAL NUMBER OF OBSERVATIONS 605

FEDERAL CLIMATOLOGY BRANCH  
 COMFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 3000 CAPE NEWENHAM AFB AK  
STATION

73-82

FEB  
MONTH

ALL WEATHER  
CLASS

1400-1800  
PERIOD

WIND DIRECTION	0-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.1	5.7	8.2	2.5	1.9						20.7	13.0
NNE	.2	1.4	1.4	.5								3.8	7.7
NE	.6	.6	.3									1.8	4.3
ENE	.3	.5	.3	.3		.3						1.8	8.5
E	.8	1.4	1.6	2.7	.9	.3	.2					7.7	11.4
ESE	.8	.5	2.4	3.2	3.3	2.7	.9		.2			13.9	17.1
SE	.8	.8	1.4	2.5	1.1	2.2	.5	.2				9.5	15.7
SSE	.6	1.3	.8	1.6	2.1	1.7						8.2	14.5
S	.6	.2	1.3	1.9	.9	.8	.2					5.8	13.9
SWS			.6	.8	.2							1.8	11.9
SW			.6	.2	.2							.7	11.2
WSW				.2	.2							.2	14.0
W			.3	.8	.2							1.3	12.7
WNW	.2	.2		.5								.8	10.2
NW		.5		.5	.3							1.3	11.5
NNW	.2	.3	.5	2.1	1.9	.3	.2					5.4	14.6
CALM												15.7	
TOTAL	9.5	9.6	16.6	25.7	13.6	13.1	1.9	.2	.2			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

634

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

7.3350  
STATION

CAPE NEWENHAM AFS AK  
STATION NAME

75-82  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.3	3.5	6.9	3.2	1.6	.2					18.1	13.2
NNE	1.1	.7	2.3	1.2								5.3	7.6
NE	.7	.2										.9	1.0
NNE	.7	.4	.5	.4								1.9	2.5
E	.2	.9	1.8	3.5	1.5	.7	.5					8.3	12.3
ESE	.2	.4	1.1	4.4	3.9	3.2	.7	.2				13.7	18.7
SE	.4	1.2	.5	1.6	2.3	.7	1.1	.2				7.9	10.5
SSE	.7	1.1	1.2	2.5	1.8	.5	.4					6.1	13.3
S	.4	.2	1.9	3.2	1.2	.7						6.3	12.5
SSW		.2		.2								.4	11.2
SW	.2			.4								.5	10.7
WSW		.2										.2	6.0
W				.5								.3	10.7
WNW				.4								.4	12.5
NW	.2			1.2	.2							1.6	12.7
NNW	.2	.4	.7	1.4	.7	.5						3.2	13.7
VARBL													
CALM												19.7	
	6.0	8.6	13.5	25.5	14.8	7.7	2.8	.4				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

559

2

FEDERAL METEOROLOGICAL BUREAU  
 WASHINGTON, D.C.  
 ALL WEATHER SERVICE/MAO

# SURFACE WINDS

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

STATION: CAPE NEWENHAM AFS AK  
 STATE: AK

72-84

PERIOD

ALL WEATHER  
 CLASS

ALL  
 CLASS

DIRECTION

	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.1	4.0	5.7	3.1	1.7	.4					11.0	10.2
NE	.7	2.2	1.4	.6	.1							3.7	7.5
E	.6	.4	.2	.1	.7							1.8	6.0
SE	.6	.7	.3	.5	.6	.5						2.1	7.6
S	.7	1.5	2.2	2.8	1.1	.5	.2					8.9	11.8
SW	.4	.4	1.5	3.7	3.7	3.1	1.4	.2	.2			13.7	13.3
WSW	.5	.3	.6	1.8	2.7	2.7	1.2	.3	.1			9.3	10.6
W	.5	1.0	.9	1.9	1.8	1.1	.4	.1	.2			7.6	10.7
WNW	.4	.1	1.4	2.4	1.2	.5	.2	.2				6.2	10.0
NW	.7	.1	.4	.3	.1							.9	10.2
WNW	.1	.7	.3	.2	.7	.7						.8	10.3
W	.1	.1	.2	.2	.7							.5	9.7
WNW	.1	.3	.4	.5	.7							1.3	9.4
WNW	.1	.1	.4	.5	.7							1.2	10.3
WNW	.1	.2	.3	.6	.2	.1						1.0	11.0
WNW	.3	.7	.7	1.8	1.7	.9	.7					6.3	14.4
UNKN												16.4	
TOTAL	6.6	17.9	14.9	23.6	14.4	9.3	3.6	.6	.2			109.3	11.7

TOTAL NUMBER OF OBSERVATIONS

6130

U.S. GOVERNMENT PRINTING OFFICE: 1964 O 344-100

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAJ

# SURFACE WINDS

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

73-82 CAPE WENENHAM AFS AK STATION NO.

73-82

MAJ

ALL WEATHER CLASS

1957-1972

CONDITION

WIND SPEED	3-6	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	2.4	3.2	1.4	.3						9.5	11.3
NNE	.2	.8	.5	.1		.1						1.8	7.1
NNE	.3	.7	.6	.5								1.5	7.6
ENE	.1	.9	.2									1.3	5.7
E	1.4	1.7	3.3	3.2	.9	.5		.3				12.7	11.4
ESE	.1	.6	1.7	4.4	2.9	2.6	1.1	.2				13.5	17.5
SE	.2	.6	1.1	1.9	1.3	1.1	1.5	.6				8.4	15.9
SSE	.9	2.1	1.7	2.2	1.1	1.1	.5	.2	.1			9.3	15.6
S	.1	.6	4.1	4.2	1.3	.7						11.7	12.5
SSW	.7	.2	1.6	1.5	.7	.1						4.5	11.3
SW	.3	.5	.5	1.4	.1							2.7	9.5
WSW		.1	.5	.5	.2	.1						1.4	12.3
W	.3	.5	.6	.2	.5	.3						2.4	11.3
WNW		.7	.6	.6	.1	.1						2.1	9.8
NW	.1	.2	.6	.8	.1							1.2	10.6
NNW	.1	.3	1.5	2.2	1.9	.3						5.4	14.7
VARIABLE													
CALM												11.5	
	5.4	10.9	23.7	26.8	12.5	7.6	3.1	1.4	.1			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

573

2

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/LMAC

**SURFACE WINDS**

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

7 1963 CAFE NEAENHAM AFB AK 73-62  
 STATION NO. STATION NAME TEL. NO. MONTH  
 ALL WEATHER CLASS 300-000  
 NO. OBS. 57

CONDITION

WIND DIRECTION	1-3	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	3.2	2.2	2.4	.4						1.1	11.9
NNE	.2	.4	.8	.3		.1	.1					2.1	7.2
NNE	.1	.4	.2									.4	5.6
ENE	.3	1.1	.8	.2								2.4	5.4
E	.5	1.2	3.4	3.2	1.3	.5						13.1	11.6
ESE	.3	.5	1.3	3.1	3.2	2.7	1.7	.3				13.1	17.6
SE	.5	.3	.3	1.2	1.7	1.2	.8	.7				7.5	16.9
SSE	.4	.8	1.9	2.2	1.7	.8	.1	.1				6.2	13.5
S	.3	1.0	4.5	3.7	2.1	.5	.1					12.2	12.3
SSW	.1	.5	1.4	1.6	.3							7.1	15.4
SW	.1	.2	.4	.9	.4	.1						2.2	12.5
WSW	.2		.3	.4	.3	.1						1.4	12.7
W	.1	.4	.3	.7	.3	.2						2.1	12.3
WNW	.1	.2	.9	.8	.3							2.3	11.2
NW	.2	.5	1.2	.9	.3							3.2	12.4
NNW	.2	.4	1.4	1.5	1.3	.3						5.2	13.4
VARBL												13.3	
CALM													
	4.7	10.6	22.5	22.8	15.8	6.3	2.9	1.1				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

917

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73-070 CAPE NEWENHAM AFS AK  
 STATION NAME STATION NO.

73-62

MAC  
 MONTH

ALL WEATHER  
 CLASS

05-07-1950  
 OBSERVATION PERIOD

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	.2	1.5	2.5	3.0	.5	.5	.1					8.5	11.3
NNE	.4	.5	.5	.1	.1							1.7	5.5
NE	.4	.3	.1	.1								1.3	4.9
NNE	.4	.7	.9	.2	.1							2.3	7.4
E	.9	1.3	3.2	3.0	1.4	.5						15.3	11.5
ESE	.4	.4	1.6	3.7	3.4	1.6	1.3	.4	.1			15.1	17.7
SE	.2	.8	1.3	1.3	2.2	1.6	.3	.7	.1			8.7	13.6
SSE	.4	1.5	2.5	2.7	2.6	1.6	.3	.1				11.2	13.6
S	.5	1.5	2.8	2.7	2.6	.5	.1					13.7	12.3
SSW		.3	.0	1.2	.1							2.3	10.3
SW		.5	.7	.4	.1							1.7	9.5
WSW		.5	.3	.7	.2	.2						2.5	11.8
W		.5	.5	.8	.1							2.3	9.9
WNW		.3	.2	1.5								2.1	11.4
NW	.1	.4	.7	.5	.3							2.1	10.5
NNW	.3	1.2	1.2	2.9	1.7	.4						7.6	13.1
VARBL													
CALM												12.9	
	4.4	12.4	19.9	24.8	15.3	6.2	2.6	1.2	.2			170.0	11.5

TOTAL NUMBER OF OBSERVATIONS

919

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1980 CAPE NEWENHAM AFS AK 73-82 ALL WEATHER 907-1100  
STATION NAME YEARS CLASS HOURS OF DAY

CONDITION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.4	2.4	3.6	1.8	.1						9.7	11.7
NNE	.1	1.1	.5	.2								1.9	6.2
NE	.3	1.3	.5	.4	.1							2.4	7.5
ENE	.4	.4	.9	.2	.1	.1						2.2	8.4
E	1.2	.4	2.0	3.9	1.4	.5	.4					13.3	12.3
ESE	.2	.4	1.1	2.9	3.5	1.8	1.3	.5	.2	.1		12.1	13.7
SE	1.0	.3	1.3	1.9	1.6	1.5	.8	.4				9.3	16.5
SSF	.4	1.1	2.2	3.6	1.4	1.9	.3	.1				11.3	14.6
S	.2	1.1	3.7	3.8	1.4	.9	.1					11.1	12.6
SSW	.1	.4	.6	1.2	.1		.1					2.6	1.6
SW		.1	.5	.5	.1							1.4	10.9
WSW	.1	.1	.3	.5	.1	.1						1.3	12.4
W	.2	.2	.6	1.2								2.3	10.3
WNW		.5	.5	1.3		.1						2.5	13.5
NW	.1	.1	.4	.5	.3	.1						2.3	11.2
NNW	.2	.3	1.7	2.6	.9	.3						6.5	12.3
VARBL													
CALM												12.1	
	5.2	10.4	19.2	28.4	12.8	7.6	3.3	1.1	.2	.1		170.3	11.9

TOTAL NUMBER OF OBSERVATIONS 927

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION NO. CAPE NEWENHAM AFS AK  
STATION NAME

73-82

MAC  
MONTH

ALL WEATHER  
CLASS

12-1400  
HOURS LST

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.8	2.3	3.8	1.5	.5						11.0	1.0
NNE	.2	.8	.4	.7								1.8	6.8
NE	.6	.4	.2	.2								2.6	1.3
NNE	.4	.6	.4	.6	.2							2.4	1.3
E	.7	.5	2.7	7.4	1.2	.3	.4	.1				4.3	13.7
ESE	.3	.4	1.4	4.1	2.6	1.7	1.4	1.7				12.7	18.6
SE	.1	.4	1.1	2.3	1.7	1.7	1.3	.3				9.5	10.7
SSE	.2	1.7	.9	3.3	1.5	1.1	.3	.1				9.4	15.7
S	.4	1.7	3.1	3.9	2.3	.4	.1					11.2	12.6
SSW	.3	.3	.5	.3	.1	.1						1.7	9.4
SW	.4	.4	1.1	.9								2.6	8.2
WSW		.4	.4	.1	.2	.1	.1	.1				1.5	13.7
W	.2	.8	.9	1.1		.1						2.9	9.5
WNW	.2	.1	.6	1.1		.1	.1					2.3	12.2
NW	.1	.5	1.1	.8	.3							2.7	9.9
NNW	.5	.9	1.9	2.9	1.9	.1						8.3	12.1
VARBL													
CALM												11.0	
	5.1	11.3	18.4	29.0	13.5	5.9	3.8	1.6				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 479

2

FEDERAL BUREAU OF SURVEY  
 U.S. DEPARTMENT OF COMMERCE  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

73-800 CAPE NEWENHAM AFB AR

73-800

MA  
 MONTH

ALL WEATHER  
 CLASS

1500-1700  
 HOURS LOCAL

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	.4	1.8	2.4	5.7	1.1	.6						1.04	11.7
NNE	.5	.3	1.0	.2								.02	6.7
NE	.2	.2	.3	.1								.09	7.1
ENE	.2	.1	.3	.3	.1							1.01	9.8
E	.5	1.1	1.9	3.2	1.4	.5	.2	.1				9.1	12.9
ESE	.5	.9	.6	3.5	3.0	3.1	1.1	.8				13.5	15.5
SE	.1	.6	1.5	1.6	1.6	1.5	1.5	.4				9.0	19.0
SSE	.3	.3	1.7	3.0	2.4	1.1	.4					9.3	15.4
S	.5	.5	2.7	3.8	1.6	.3	.2					1.01	13.1
SSW		.4	.8	.5	.3							2.3	13.6
SW	.1	.6	.9	.1	.2							1.9	3.6
WSW	.1	.7	.4	.4	.2			.1				1.5	11.9
W	.3	.3	1.2	.6			.2					3.1	9.3
WNW	.7	.8	1.3	.4			.1	.1				2.9	9.5
NW		.3	.8	.9	.6	.3						2.9	13.6
NNW	.6	.4	1.3	3.3	1.1	.3						7.1	12.2
VARBL													
CALM												11.4	
	5.3	9.1	19.1	27.8	13.7	8.4	3.9	1.3				10.0	12.2

TOTAL NUMBER OF OBSERVATIONS

927

USAFETAC

FORM  
 JUL 64

REPLACES PREVIOUS EDITIONS. IF THIS FORM APPEARS IN AN

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFD WEATHER SERVICE/AMC

# SURFACE WINDS

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

7 0000 CAPE NEWLHAM AFB AK STATION NAME

73-82 YEARS

MAC MONTH

ALL WEATHER CLASS

1800-1800 HOURS, LST

CONDITION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	3.4	4.4	1.7	.5						10.7	11.7
NNE		.7	.5	.5	.1							2.3	9.1
NE	.7	.2	.6									1.5	4.6
NENE	.9	1.2	.4	.2	.2							2.9	6.3
E	.9	1.8	2.4	3.0	1.7	.7						10.6	11.6
ESE	.2	.9	1.0	3.2	2.8	1.6	1.9	.4				11.9	15.1
SE	.7	.7	.9	1.3	1.8	1.8	1.7	.1				5.4	16.5
SSE	.2	1.3	1.5	3.3	1.8	1.3	.6					9.7	15.0
S	.2	1.3	2.3	4.4	1.7	1.2	.4					11.5	13.7
SSW		.4	1.0	.9	.2							2.4	11.7
SW		.1	.7	.2	.1							1.2	13.3
WSW		.4	.5	.4		.1						1.3	10.1
W	.6	.4	.7	.7			.1					2.6	8.8
WNW	.2	.6	.5	.9	.1							2.3	9.3
NW	.4	.6	1.0	1.2	.4	.1						3.6	10.4
NNW	.1	1.1	1.7	3.0	1.0	.4						7.3	12.2
VARBL												9.7	
CALM													
	5.6	12.5	19.1	27.7	13.0	7.8	4.7	.5				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

822

GENERAL CLIMATOLOGY BRANCH  
 USAFCTAC  
 ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73-85  
 STATION

CAPE NEWENHAM AFS AK  
 STATION NAME

73-82  
 YEARS

MAC  
 MONTH

ALL WEATHER  
 CLASS

100-7000  
 HOURS PER YEAR

CONDITION

SPEED KNOTS DIR	1-2	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	3.2	3.5	1.2	.3						1.0	11.5
NNE		.7	.8	.9								2.7	8.7
NE		.5	.4	.1								1.1	7.5
ENE	.1	.7	.3	.1								1.2	6.2
E	1.1	.9	3.6	1.8	.9	.8	.1					9.3	11.2
ESE	.7	.5	1.6	4.2	3.9	2.2	1.5	.4				15.0	17.5
SE	.8	.7	1.2	1.1	2.5	1.5	.5					7.6	15.6
SSE	.5	1.3	1.9	2.2	2.3	1.5	1.1	.3				11.3	15.4
S	.5	.8	3.1	4.5	1.1	.4	.1					10.7	12.2
SSW	.1	.4	2.3	.8	.1	.1						3.2	11.0
SW			1.3	1.5								2.5	11.1
WSW		.1	.5			.1						.8	10.3
W	.7	.5	.9	.7	.1							3.0	7.5
WNW	.1	.4	.1									.7	5.2
NW	.1	.3	1.2	1.6	.4							3.5	11.5
NNW		1.3	1.5	2.3	.8	.7						6.6	12.1
VARBL													
CALM												9.4	
	5.8	17.8	24.2	25.2	13.0	7.6	3.4	.7				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

741

GENERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAO

**SURFACE WINDS**

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

STATION CAFE NEWENHAM AFB AK  
 SECTION 4 ME

73-52

DATE

ALL WEATHER  
 CLASS

PERIOD

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.6	2.7	3.7	1.4	.4	.2					10.3	11.4
NNE	.2	.7	.7	.3	.5	.2	.2					2.5	7.7
NE	.4	.4	.3	.2	.2	.2	.2					1.3	6.5
ENE	.4	.7	.5	.3	.1	.2	.2					2.0	7.4
E	.8	1.0	2.7	3.1	1.3	.5	.2	.1				9.8	12.1
ESE	.4	.5	1.3	3.6	3.1	2.1	1.4	.5	.2	.0		13.1	16.2
SE	.5	.7	1.1	1.6	1.7	1.4	1.0	.4	.2			3.4	17.9
SSE	.5	1.1	1.7	2.8	1.6	1.2	.4	.1	.2			9.7	14.5
S	.4	1.0	3.3	3.8	1.8	.6	.1					11.1	12.7
SSW	.1	.4	1.1	1.7	.3	.2	.2					2.9	13.5
SW	.1	.3	.8	.7	.1	.2	.2					2.1	10.0
WSW	.1	.2	.4	.4	.2	.1	.0	.0				1.4	12.1
W	.2	.5	.7	.8	.1	.1	.2					2.5	9.8
WNW	.1	.5	.6	.3	.1	.1	.2					2.2	10.4
NW	.1	.4	.9	.9	.3	.1	.2					2.7	11.1
NNW	.3	.4	1.5	2.6	1.3	.4	.2					6.9	12.6
VARBL													
CALM												11.6	
	5.1	11.2	20.3	26.6	13.7	7.1	3.3	1.1	.1	.0		170.0	11.3

TOTAL NUMBER OF OBSERVATIONS

7455

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/HAC

**SURFACE WINDS**

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

7 0000 CAPE NEWENHAM AFB AK  
STATION

73-82

ADD MONTH

ALL WEATHER  
CLASS

000-0100  
HOURS UTC

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.3	2.8	2.2	1.2	.1						7.8	9.5
NNE	.7	1.1	.6			.1						2.5	6.1
NE	.5	.2	.2	.1	.1	.2						1.4	10.5
ENE	.6	.7	.2	.5								1.3	6.3
E	1.6	1.7	1.0	2.2	.2	.3						6.3	9.3
ESE	.5	1.2	2.0	1.7	1.9	1.5	.2	.1				9.4	14.2
SE	.9	.8	.9	1.2	1.5	1.2	.2	.2				7.1	14.9
SSE	.7	.6	1.1	2.3	1.2	1.1	.5					7.8	14.4
S	.5	1.7	2.3	4.0	1.7	.7	.6					11.7	13.5
SSW	.2	.5	1.5	.9	.1	.1						3.3	10.6
SW	.1	.1	.5	.2		.2						1.1	12.9
WSW	.1	1.3	.6	.5								2.2	7.7
W	.1	.7	.3	.7								2.0	7.9
WNW		.3	1.5	.2	.1							2.2	9.4
NW	.2	1.1	1.4	1.2	.6							4.5	10.1
NNW	1.1	.5	2.3	3.7	.7	.2						5.6	10.7
VARBL												19.3	
CALM													
	8.8	13.3	19.2	21.8	9.4	5.9	1.5	.3				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

682

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 0050 CAPE NEWENHAM AFS AK 73-82 ALL WEATHER 300-1000  
STATION STATION NAME YEARS CLASS MONTHS  
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	2.2	1.5	2.5	1.4	1.7	.1						4.3	9.1
NNE	.3	.1	.5	.3		.2						1.5	1.2
NE	.3	.5	.3		.1							1.2	3.2
ENE	.7	.6	.7	.1								2.3	5.2
E	1.1	2.8	1.5	1.8	.2	.5						8.1	6.6
ESE	.6	.9	1.8	1.5	2.5	1.1	.6	.2				9.2	15.5
SE	.6	1.7	.8	.9	1.4	.6	.2	.3				9.5	13.6
SSE	.3	1.6	1.4	2.7	1.9	2.5	.2					11.2	14.6
S	.9	1.2	2.5	3.6	1.1	1.5	.3					10.5	12.7
SSW	.1	.7	1.0	1.0			.2					5.1	1.6
SW		.3	.8	.1								1.2	9.1
WSW	.1	.5	.6	.6		.1						1.3	9.6
W		.3	.8	.7								1.8	10.2
WNW	.1	.6	.8	.2								1.7	7.5
NW	.2	.6	1.8	.8	.3	.1						3.9	10.1
NNW	.2	1.4	2.2	3.0	1.7							8.4	11.6
VARBL												19.8	
CALM													
	7.8	15.2	19.4	18.7	11.7	5.9	1.6	.6				100.1	7.3

TOTAL NUMBER OF OBSERVATIONS

597

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 0000 CAPE NEWENHAM AFS AK 73-82 APR 1950-1951

ALL WEATHER  
 CLASS

CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	2.5	3.1	2.6	.9	.1						11.5	9.1
NNE	.8	.5	.2			.2	.1					1.9	7.8
NE	.1	.1	.1									.1	5.7
ENE	.6	.5	.3	.3								1.8	6.6
E	1.1	2.5	2.4	1.2	.2	.1	.1					7.5	8.2
ESE	.7	1.2	1.3	3.0	2.2	1.5	.4	.2				11.7	15.1
SE	1.2	1.1	.9	1.7	1.0	1.2	.8		.2			7.2	15.1
SSE	1.7	1.7	1.0	1.7	.7	1.1	.5			.1		7.2	13.4
S	.6	1.3	2.5	2.9	.8	.4	.5					9.1	12.4
SSW	.1	.4	1.1	.6		.1	.1					2.5	11.2
SW		.4	.2	.3								1.3	8.6
WSW	.3	.4	.2	.3								1.3	7.5
W	.6	.3	.9	.8		.1						3.3	8.1
WNW	.1	.6	.9	.1	.2							1.9	8.6
NW	.1	.3	1.3	1.5								3.3	13.9
NNW	.5	1.3	2.6	2.9	.8							8.2	11.7
VARBL												3.1	
CALM												3.1	
	9.2	16.0	19.0	20.6	6.9	4.9	2.7	.2	.2	.1		100.3	9.1

TOTAL NUMBER OF OBSERVATIONS

389

WAFB/TAC

2

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

# SURFACE WINDS

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

73-82 CAFE NEWENHAM AFB AK  
STATION STATION NAME

73-82  
YEARS

APR

ALL WEATHER  
CLASS

1970-1972  
MONTH

CONDITION

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.5	3.1	3.0	.9	.2						1.4	7.4
NNE	1.3	.4	.2			.1	.1					2.2	5.9
NE	.3	.2	.5	.4								1.5	5.4
NNE	.3	.1	.1									.3	5.7
E	1.5	.4	2.5	2.5	.5	.7	.1					7.4	7.7
ESE	1.1	.5	1.9	2.9	2.6	1.5	.3	.1				1.1	14.5
SE	.7	.3	.5	2.2	1.7	1.1	.5	.1	.1			7.5	12.7
SSE	.3	.3	.7	1.8	1.7	1.3	.3		.1			5.2	12.4
S	.5	1.5	2.2	1.2	1.1	.5	.4	.1				7.9	12.3
SSW		.7	1.8	.9	.1							3.3	9.7
SW	.1	.3	.5	.3								1.2	8.8
WSW		.4	1.3		.1							1.3	5.5
W	.2	.4	1.3	.4		.1						2.1	9.7
WNW	.2	.3	.5	.2	.1							1.7	8.1
NW	.7	.1	1.1	1.7	.1	.7						3.3	11.3
NNW	1.1	2.2	2.5	4.3	1.2	.2						11.3	15.4
VARBL												7.2	
CALM												7.2	
	9.9	1.4	11.2	21.9	8.9	5.7	2.1	.3	.2			173.1	8.3

TOTAL NUMBER OF OBSERVATIONS

850

2

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

7 2050 CAPE NEWENHAM AFS AK

73-82

1973-1977

ALL WEATHER

WIND DIRECTION	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	2.5	2.5	3.7	1.4	.1						11.5	7.1
NNE	.3	.7	.1	.1			.7					1.7	10.4
NE		.7	.2	.1	.7							1.2	9.7
NENE	.3	.1	.5	.3								1.2	7.9
E	1.2	.8	2.7	1.9	.3	.5	.1					6.7	10.4
ESE	.3	1.1	.9	2.8	2.0	1.9	.7					7.4	10.6
SE		.7	1.7	1.8	1.6	1.1	.5		.1			7.4	16.1
SSE	.1	.2	.9	1.8	1.6	1.9	.7					6.5	17.4
S	.3	1.7	2.3	2.7	1.7	.5	.2	.1				6.9	12.4
SSW	.2	.5	1.7	.7								3.2	8.5
SW	.3	.3	1.0	.5	.1							2.3	8.9
WSW	.1		.3	.3								.8	8.6
W	.2	.7	.8	.5								2.5	6.7
WNW	.2	.7	1.2	.3								3.5	7.9
NW	.9	1.7	1.2	.3	.1	.7	.1					4.4	9.3
NNW	1.7	2.7	3.0	3.3	2.3	.1						12.4	10.3
VARBL												17.6	
CALM													
	2.6	13.3	20.4	21.3	13.6	6.4	1.6	.1	.1			170.2	9.7

TOTAL NUMBER OF OBSERVATIONS

387

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73550 CAPE NEWENHAM AFD AK

73-92

AF 1

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1950-1952

CLASS

NO. OF OBS.

CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.7	2.8	1.9	1.5							11.1	9.5
NNE	.5	.7	.2	.1			.2					1.9	7.7
NE	.3	.3	.2	.2	.1	.1						1.4	7.5
ENE	.2	.1	.3	.1								.5	7.0
E	1.0	.7	1.2	1.3	.3	.5						5.0	13.0
ESE	.3	1.2	2.4	1.9	2.1	2.3	.5					17.3	15.0
SE	.2	.8	1.0	1.5	1.5	1.7						5.2	14.5
SSE	.3	.7	.5	1.7	1.5	2.0						6.3	17.1
S	.1	.5	3.4	3.5	1.2	1.3	.3					17.3	13.6
SSW	.1	1.2	1.4	1.2	.1	.1						4.1	7.4
SW			.5	.5								.9	12.3
WSW		.3	.8	.2								1.4	8.7
W	.1	1.0	.8	.1								2.1	8.5
WNW	.2	1.7	1.4	.5								3.1	7.5
NW	.9	1.0	.9	.8	.7	.2						4.5	7.3
NNW	1.4	2.2	2.9	3.2	1.7	.2	.1					13.5	11.7
VARBL												16.7	
CALM													
#	7.9	13.9	20.8	21.7	10.8	7.4	1.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

61

WAFETAC FORM 1-54 (REV. 12-53) THESE OBSERVATIONS ARE PUBLIC

2

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

**SURFACE WINDS**

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

STATION CAFE NEWENHAM AFB AR

73-82

APR 1950

ALL WEATHER  
 CLASS

1800-1800  
 HOURS LAST

CONDITION

	0-2	4-6	8-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.3	1.7	2.1	5.4	1.3							15.7
NE	.3	.4	.4	.3		.7						15.3
E	.8	.1	.1			.2						15.4
ENE	.2	.4	.1		.7							5.9
ESE	1.7	2.3	1.0	1.0		.7						5.1
SE	.8	.9	1.2	1.7	1.4	2.7	.5					7.3
ESE	.7	.6	1.4	1.9	1.4	1.3	.1					7.3
SSE	.7	.7	.7	.7	1.9	2.7	1.7	.4	.1			7.7
S	.1	.6	2.5	4.7	1.7	1.3	.5					10.2
SSE	.1	.7	.8	.6								2.3
SW	.1	.7	1.2	.5	.1							2.7
WSW		.7	.6									1.3
W	.3	1.3	.5	.4								2.5
WSW	.4	1.4	1.3	.1								3.2
W	.6	.5	1.3	1.4	.5	.1						4.2
WNW	1.0	1.4	1.4	4.7	1.9	.5	.1					11.1
W												17.2
CALM												
	9.3	13.6	16.7	23.9	11.1	6.9	1.8	.1				100.0

TOTAL NUMBER OF OBSERVATIONS

791

TABLE 1. SURFACE WINDS (KNOTS) BY DIRECTION AND SPEED CLASS

2

GLOBAL CLIMATOLOGY BRANCH  
 COMPTAC  
 AIR WEATHER SERVICE/NAO

**SURFACE WINDS**

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

STATION: CAPE NEWENHAM AFS AK STATION NUMBER: 73,75-82  
 CLASS: ALL WEATHER  
 DATE: 01-08-82  
 HEIGHT: 10 FT  
 CONDITION:

SPEED KNOTS DIR	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.1	2.7	3.5	1.7							12.1	7.5
NNE	.6	1.7	.8	.1		.1						2.3	6.2
NE	.5	.7	.1	.1	.1	.3						1.7	9.7
ENE	.1	.5	.1	.3	.7							1.3	8.1
E	1.8	2.2	.8	.9	.1							5.5	6.4
ESE	.8	1.2	1.9	1.5	1.7	2.3	.3					9.4	14.4
SE	.4	.5	.9	1.7	1.7	1.4	.1	.4				8.2	16.8
SSE	1.2	1.7	.7	7.7	2.4	1.4	.3	.3				17.3	15.2
S	1.7	1.2	1.5	7.3	1.7	.7	.5					15.1	13.3
SSW	.3	.5	.3	.9	.1							1.2	9.7
SW	.4	.3	.8	.7	.1							1.8	8.4
WSW	.5	.4	.3	.1								1.3	5.2
W	.4	1.4	.4	.5								2.5	7.2
WNW	.3	.9	1.7	.3								3.1	7.3
NW	.5	.3	.6	.6	.5	.1						2.6	17.3
NNW	.4	1.8	2.4	4.2	1.3	.4						13.5	11.5
VARBL													
CALM												16.3	
	11.2	16.8	15.8	20.5	11.5	6.9	1.2	.5				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

79

FEDERAL BUREAU OF SURVEY  
 U.S. AIR FORCE  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

73050  
 STATION

CAPE NEWENHAM AFS AK  
 STATION NAME

73-82  
 YEARS

APD  
 MONTH

ALL WEATHER  
 CLASS

ALL  
 HOURS PER DAY

COND Y. OR

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	2.4	2.7	3.5	1.3	.1						15.9	5.4
NNE	.5	.6	.3	.1		.1	.1					1.9	7.5
NE	.4	.4	.2	.1	.1	.1						1.2	8.4
ENE	.4	.4	.3	.2	.3							1.3	6.8
E	1.4	1.6	1.6	1.6	.3	.3	.3					6.7	6.8
ESE	.5	1.3	1.7	2.2	2.1	1.7	.4	.1				9.8	15.7
SE	.5	.9	1.0	1.5	1.3	1.1	.4	.1	.1			7.3	15.7
SSE	.5	.8	.8	2.1	1.6	1.5	.3	.3	.3	.3		7.8	15.6
S	.5	1.2	2.4	3.1	1.2	.8	.4	.3				9.7	13.1
SSW	.1	.6	1.2	.9	.1	.3	.3					3.7	7.8
SW	.1	.2	.7	.3	.3	.3						1.5	8.6
WSW	.1	.5	.6	.3	.3	.3						1.5	8.3
W	.2	.5	.7	.6		.3						2.4	6.3
WNW	.2	.7	1.2	.2	.1							2.4	7.8
NW	.5	.5	1.2	1.3	.4	.1	.3					3.9	10.1
NNW	.9	1.5	2.4	3.9	1.4	.2	.3					17.5	11.3
VARBL												15.5	
CALM													
	9.1	14.0	19.1	21.2	10.0	6.2	1.7	.3	.1	.3		100.3	9.5

TOTAL NUMBER OF OBSERVATIONS

685

GLOBAL CLIMATOLOGY BRANCH  
 UNAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

730007 CAPE NEWENHAM AFS AK  
STATION STATION NAME

73-82  
YEARS

MAY  
MONTH  
 000-1000  
WINDS LIST

ALL WEATHER  
CLASS

CONDITION

DIR	1-3	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	.5	.5	.2	.1							2.4	5.1
NNW	.2	.1	.1									.5	3.3
NE	.5	.2	.4									1.1	5.2
ENE	.4	1.4	.7	.1								2.5	6.1
E	2.1	3.7	1.3	.9	.1	.5						8.1	7.1
ESE	1.2	2.9	5.6	3.6	1.5	.7						15.2	10.1
SE	1.3	1.3	2.6	1.8	1.2	.7						8.3	7.9
SSE	1.5	2.5	3.2	2.8	1.1	.4	.1					11.5	9.8
S	1.1	1.6	3.8	2.9	.5							10.0	7.4
SSW		.4	.6	.1								1.1	7.7
SW	.1	.7	.1									.5	5.7
WSW	.1	.5	.5	.2								1.3	7.6
W	.5	.6	1.1	.7								2.5	6.8
WNW	.2	.3	.9	.2								2.1	6.8
NW	.4	.7	1.1	.8	.5							3.5	10.3
NNW	.5	1.1	1.2	2.7	.5	.1						5.4	13.1
VARBL												24.3	
CALM													
	11.3	18.1	25.3	16.1	5.7	1.4	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

653

1  
2

FEDERAL CLIMATOLOGY BRANCH  
JOSEFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 8000 CAPE NEWENHAM AFS AK 73-82  
STATION MONTH YEAR  
ALL WEATHER CLASS  
CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	25+	%	WIND SPEED
N	.5	1.7	.8	.2	.3							2.7	7.5
NNE	.7	.2										.4	3.0
NE	.5	.4	.7									1.6	5.6
ENE	.4	.9	.4	.1								1.7	5.7
E	2.1	2.5	3.5	2.0	.8	.1						11.0	8.3
ESE	1.5	1.4	4.6	4.1	.7	1.3						13.7	10.3
SE	1.1	1.4	2.2	3.4	1.2	.1						9.4	11.1
SSE	.9	2.5	3.7	2.5	.4	.4						11.0	13.7
S	.7	2.0	2.5	1.6	.7	.1						7.7	9.5
SSW	.7	.3	.4	.1	.1							1.3	7.1
SW	.1											.1	3.7
WSW		.3	.1									.4	6.7
W	.3	1.7	1.7	.5								3.7	8.1
WNW	.7	1.2	.3	.3								2.1	6.7
NW	.3	.3	1.4	1.1	.2	.1						3.7	9.6
NNW	.4	.7	1.1	2.0	.4	.1						5.2	11.2
VARIABLE												23.5	
CALM													
	9.8	17.1	23.8	16.0	5.6	2.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 910

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

730500 CAFE NEWENHAM AFS AK 73-82 MAY  
STATION NAME CLASS NORTH  
ALL WEATHER 0600-1800  
HOURS LST

CONDITION

WIND DIRECTION	0-3	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	.7	.5	1.2	.4							4.1	6.5
NNE	.4	.7	.1									1.2	4.5
NE	.2	.4	.1									.3	4.7
NNE	1.7	1.2	.7	.1								2.9	4.0
E	2.5	3.7	3.3	1.5	.3							17.5	7.5
ESE	.7	1.7	4.1	4.4	1.6	1.1	.1					13.7	12.1
SE	.3	1.5	2.3	2.5	1.4	1.3	.2					9.7	12.5
SSE	.7	1.3	2.5	2.1	1.7	.4	.4					8.4	11.8
S	.2	2.1	2.9	2.1	.4							7.6	7.5
SSW	.8	.4	.1									1.7	3.3
SW		.2	.3									.5	7.4
WSW	.2	.4	.7									1.3	5.3
W	.5	.3	1.4	.4								3.2	7.2
WNW	.3	.7	.7	.4								2.3	7.3
NW	.3	1.1	1.5	1.7	.2							3.6	7.7
NNW	.2	1.2	1.4	2.2	.9	.1						5.9	10.6
VARBL												23.3	
CAIM													
	8.3	18.3	22.0	17.9	6.2	2.6	.8					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 917

USAFETAC FORM 1214 1-64 (REV. 12-63) THIS FORM IS OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1050 STATION CAPE NEWENHAM AFS AK 73-92 MAY  
 STATION NAME CLASS ALL WEATHER HOURS 500-1100  
 CONDITION

WIND DIRECTION	1-3	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	1.3	1.5	1.3	.1							5.7	7.5
NNE	.7	.3										1.7	2.3
NE	.3	.7	.5									1.0	3.4
ENE	.3	.3	1.1	.4								3.7	5.1
E	.9	1.2	4.1	2.7	1.0	.1						17.0	9.9
ESE	.2	2.7	3.7	4.6	1.5	1.2	.1					14.2	12.1
SE	.1	1.1	3.1	3.4	1.5	.5	.1					9.6	12.8
SSE	.5	.8	2.1	3.7	.7	.5	.3					5.8	12.7
S	.5	1.7	1.7	2.1	.5	.1						7.0	7.5
SSW	.2	.5	.7	.7	.1							2.2	3.5
SW	.1	.2	.2	.1								.7	7.1
WSW		.2	.2									.3	5.9
W	.3	.5	.8	.3								2.1	7.1
WNW	1.2	.7	1.4	.4								3.7	6.1
NW	.7	1.4	1.1	1.7	.3							5.5	5.4
NNW	1.2	3.1	1.2	1.6	.1							7.2	7.1
VARIABLE												17.9	
CALM													
	9.2	17.1	23.6	23.1	6.0	2.5	.5					17.0	6.0

TOTAL NUMBER OF OBSERVATIONS 516

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1960 CAFE NEWENHAM AFS AK

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

12.0-14.0

CLASS

NUMBER OF

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	2.3	1.6	.7	1.7								2.3	6.9
NNE	.7	.4										1.1	3.1
NE	.2	.5	.4									1.7	5.1
ENE	.1	.4	1.5	.3								2.4	7.0
E	.7	.9	2.8	1.6	.5	.4						7.1	9.4
ESE	.3	1.6	3.6	4.6	2.1	.5	.5					13.3	12.8
SE	.3	1.3	5.1	3.5	1.4	.2	.2					17.1	11.5
SSE	.3	.7	3.3	3.7	.4	.7	.2					7.3	11.5
S	.3	1.5	3.2	3.2	.4	.1						8.7	11.4
SSW	.1	.7	.8	1.8	.1							2.7	8.4
SW			.3									.3	3.3
WSW		.3	.3									.7	7.5
W	.2	.7	.9	.3								2.3	7.3
WNW	.2	1.3	1.3	.4								3.7	8.4
NW	1.3	1.6	1.8	.3	.1							5.0	8.2
NNW	1.7	3.3	2.2	1.7	.5							9.6	7.5
VARBL												13.9	
CALM													
	10.3	17.2	28.1	22.5	5.7	1.5	1.7					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

514

CENTRAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAO

# SURFACE WINDS

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

7 0000  
 STATION

CAPE NEWENHAM AFS AK  
 STATION NAME

73-82  
 YEARS

MAY  
 MONTH  
 1500-1700  
 HOURS U.S.T.

ALL WEATHER  
 CLASS

CONDITION

SECTION WIND SPEED	1-3	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	3.1	.5	.6								5.7	5.1
NNE	.3	.5	.1									1.4	4.7
NE	.3	.6	.1									1.0	4.3
ENE		.7	.9									1.6	6.9
E	.8	.8	2.4	1.7	.8	.3	.1					6.4	10.8
ESE	.1	1.5	3.5	3.1	1.8	.7						10.3	12.0
SE	.5	1.2	4.6	3.4	.7	.2	.1					17.7	11.0
SSE	.3	1.2	3.6	5.2	.7	.2	.2					11.5	11.5
S	.1	2.4	3.4	3.3	.5	.1						9.3	13.3
SSW	.1	.7	.5	.3		.1						1.4	7.7
SW	.1	.5	.5	.1								1.2	7.2
WSW		.7	.1	.3								.7	9.3
W	.1	1.7	2.2	.5								3.8	8.2
WNW		.7	.9	.6								2.2	8.5
NW	.6	2.5	.8	.9	.1							5.2	6.5
NNW	2.8	3.3	2.3	2.4	.5							11.8	7.2
VARBL												15.3	
CALM													
TOTAL	5.3	21.9	26.5	21.6	4.3	2.7	.5					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

567

GLOBAL CLIMATOLOGY BRANCH  
 COMETAC  
 AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

730357 CAPE NEWENHAM AFS AK  
 STATION NAME

73-92  
 YEARS

ANY

ALL WEATHER  
 CLASS

1900-1999  
 MONTH

CONDITION

WIND DIRECTION	1-3	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	3.7	.5		.2							5.8	4.4
NNE	.5	.3		.2								1.7	4.1
NE	.6	.8	.3									1.5	4.5
ENE	.6	.5	.5									1.7	5.2
E	.8	2.2	2.6	2.9	.5	.7						9.1	9.0
ESE	.3	2.2	3.4	3.2	1.7	.5	.2					12.8	11.1
SE	.3	1.1	3.7	2.4	.8	.2						8.5	10.5
SSE		1.5	3.7	2.7	.3	.2						5.5	11.5
S	.5	2.4	3.2	1.9	.3							8.5	8.7
SSW	.7	.6	.2	.2								1.1	5.7
SW		.7	.2									.9	5.4
WSW	.7	.3	.3									.9	5.5
W	.5	1.3	1.3									3.1	5.3
WNW	.8	1.5	.5									1.1	5.1
NW	.2	1.7	.8	.8								2.7	5.5
NNW	1.5	1.3	1.5	2.7	.3							7.5	5.8
VARBL												22.1	
CALM												22.1	
	9.7	20.9	24.9	15.9	3.3	1.7	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

627

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2

GLOBAL CLIMATOLOGY BRANCH  
 AFAPETAC  
 AIR WEATHER SERVICE/MAD

**SURFACE WINDS**

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

73000 CAPE NEWENHAM AFS AK 73,75-82  
 STATION YEAR CLASS MONTH CLASS UNIT

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.6	.2									2.8	3.7
NNE	.5	.7	.5									1.1	5.1
NE	.3	.5	.5									1.4	5.4
NENE	1.5	1.7	.2									1.7	3.3
E	1.1	3.5	1.6	1.3	.5	.7						5.7	7.5
ESE	1.1	3.2	3.3	4.7	.6	.7						14.4	7.7
SE	1.7	1.8	2.1	2.4	.8	.5						5.3	13.5
SESE	1.1	2.4	4.3	2.6	1.7	.7						11.6	5.7
S	.5	2.2	3.0	2.7	.7	.2						7.3	5.2
SSW	.7	.3		.2								.3	6.6
SW	.3	.7										.2	5.1
WSW			.5									.3	5.7
W	.5	.5	.6	.2								1.7	6.7
WNW	.5	.6	.3									1.5	4.6
NW	.5	1.8	1.7	.8	.5							4.5	6.1
NNW	.8	.8	.5	7.2								4.5	7.1
VAABL												26.5	
ALM													
	11.1	19.7	21.7	16.4	3.5	1.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 523



GLOBAL CLIMATOLOGY BRANCH  
 AIR WEATHER SERVICE/MAD

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

77000 CAFE NEWENHAM AFS AK

73-80

MAY

STATION STATION NAME YEARS CLASS MONTH ALL YEAR LIST

ALL WEATHER

CONDITION

DIRECTION	1-3	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	1.5	.7	.7	.2							4.4	5.6
NNE	.5	.4	.1	.3								1.2	2.4
NE	.5	.5	.4									1.8	5.1
ENE	.5	.4	.8	.2								2.3	7.2
E	1.3	2.2	2.8	1.7	.6	.2	.7					8.3	8.8
ESE	.7	2.2	4.5	4.7	1.3	.8	.1					13.5	11.3
SE	.7	1.3	3.2	2.9	1.2	.4	.1					9.7	11.3
SSE	.7	1.6	3.2	3.2	.8	.3	.2					11.3	12.9
S	.5	2.7	2.9	2.4	.5	.1						5.4	7.6
SSW	.2	.5	.4	.3	.3	.3						1.5	6.3
SW	.2	.7	.2	.7								.5	6.6
WSW	.1	.3	.3	.1								.8	7.1
W	.4	.3	1.3	.3								2.8	7.3
WNW	.5	1.7	.8	.3								2.6	6.4
NW	.5	1.4	1.1	1.7	.3	.7						4.3	5.2
NNW	1.2	2.7	1.5	2.1	.5	.7						7.2	6.6
VARBL												35.6	
CALM	9.7	18.6	24.3	19.3	5.2	1.9	.4					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 5675

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: CAPE NEWENHAM AFS AK      YEAR: 73-82      MONTH: JUN  
CLASS: ALL WEATHER      HOURS: 0000-2300  
CONDITION: \_\_\_\_\_

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.1	.6	.1								1.7	5.6
NNE	.4											.4	2.7
NE	.7	.3										1.3	2.4
ENE	.8	.4										1.2	3.1
E	1.9	1.5	.6	.1	.1							4.3	4.4
ESE	1.1	1.3	1.4	.7	.4	.3						4.8	5.7
SE	.7	2.5	1.2	1.9	.7	.4	.1					7.6	10.1
SSE	2.2	2.9	3.2	2.8	1.1	.4						12.5	9.4
S	7.3	3.4	3.6	3.2	1.7	.1						14.3	9.4
SSW	.7	.7	1.8	2.1								5.2	7.1
SW	.1	.6	.6	.7								1.7	5.9
WSW	.1	.4	1.2	.6								2.3	5.4
W	.7	1.5	.4	.7								3.3	5.4
WNW	1.1	.8	1.4	.3								3.6	5.3
W	1.5	.6	1.9	.4								3.9	6.4
WNW	1.2	1.7	.7	.3	.1							3.3	6.2
VARBL													
CALM												28.7	
TOTAL	16.0	17.6	13.5	13.8	4.1	1.2	.1					170.3	5.8

TOTAL NUMBER OF OBSERVATIONS 726

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: CAPE NEWENHAM AFS AK      YEARS: 73-82      MONTH: JUN  
CLASS: ALL WEATHER      PERIOD: 0000-0500  
CONDITION:

WIND DIR	1-3	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	.4							.4	0.4
NNE	.4	.3	.3									.7	4.1
NE		.1										.1	1.1
NNE	.5	.3	.1									.7	3.5
E	1.3	1.4	1.3	.3	.1							4.3	5.1
ESE	1.1	1.4	2.1	.5	.4		.1					5.3	8.4
SE	.9	1.9	1.7	1.6	1.3	.7	.1					7.3	11.8
SSE	2.3	2.3	3.6	2.6	.8							11.5	8.4
S	1.2	3.5	4.0	4.3	1.1	.3						14.7	9.5
SSW	.3	1.3	1.9	1.1	.1							4.5	8.7
SW	.3	.3	.5	.3								1.7	5.5
WSW		.4	.5	.6								1.5	7.7
W	.5	1.1	1.1	.4								3.3	6.3
WNW	1.5	.7	1.9	.3								4.5	6.5
NW	.3	1.3	2.8	.3								4.5	7.4
NNW	2.3		2.0	.6	.3							4.9	7.4
VARBL												27.2	
CALM													
	13.9	17.3	23.5	12.9	4.4	.5	.3					100.3	6.1

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION NO. CAPE NEWENHAM AFS AK  
 STATION NAME

73-82  
 YEARS

JUN  
 MONTH

ALL WEATHER  
 CLASS

0600-1800  
 HOURS OF DAY

CONDITION

WIND DIR	1-3	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	.6	.4								3.5	4.5
NNE	.2	.5										.5	3.4
NE	.4	.4	.1									.3	3.4
NNE	.1	.2	.5									.5	6.7
E	.4	2.3	2.2	.5								5.3	6.7
ESE	.2	1.7	1.2	.9	.1		.1					4.3	5.1
SE	.4	.7	1.1	2.7	2.1	.4	.1					7.5	14.1
SSE	.5	1.9	2.8	2.2	.4	.1						7.9	9.7
S	.9	3.2	4.0	3.2	1.3	.6						13.3	13.2
SSW		.7	2.6	1.8	.1							5.2	9.7
SW	.1	.2	.4	.5								1.2	9.5
WSW	.2	.4	.8	.6								2.0	8.5
W	.5	.3	1.7	1.3								4.4	8.4
WNW	.6	1.8	2.2	.1								4.7	6.5
NW	.9	1.9	1.7	.4								4.9	6.2
NNW	1.8	1.2	2.2	1.7	.4							7.2	8.2
VARBL												25.3	
CALM													
	9.2	19.4	24.1	16.2	4.4	1.1	.2					100.3	6.6
TOTAL NUMBER OF OBSERVATIONS												845	

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION CAFE NEWENHAM AFS AK

73-52

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1957-1958

CLASS

HOURS PER DAY

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	.7	2.8	1.1	.6	.2							1.4	4.5
NNE	.7	1.2	.1									2.7	4.2
NE	.5	.2	.1									.3	4.7
ENE	.1	.4	.6	.1								1.2	7.3
E		.3	1.9	1.1								3.7	9.1
ESE	.1	.6	1.8	1.5	.7	.7	.1					5.2	12.7
SE		.9	2.6	1.9	.5	.4	.2					6.4	11.8
SSE	.1	1.5	3.0	2.8	1.4	.7	.2					9.4	11.4
S	1.2	3.7	3.5	4.4	1.5	.5	.1					14.4	15.7
SSW	.7	1.2	1.6	1.3	.1							4.9	8.3
SW	.1	.4	.7	.7								1.7	9.1
WSW	.1	.7	1.2	.2								2.2	7.7
W	.9	.7	2.2	.2								4.1	8.7
WNW	.8	1.5	2.3	.6								5.3	7.3
NW	1.3	3.5	2.5	.7								8.1	8.9
NNW	2.7	4.7	1.5	.8	.2							9.3	8.9
VARBL												12.5	
CALM													
	13.6	23.8	26.2	17.1	4.7	1.4	.5					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

254

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73000 STATION CAPE NEWENHAM AFS AK STATION NAME 73-82 YEARS JUN MONTH 1200-1400 HOURS LST  
 ALL WEATHER CLASS  
 CONDITION

DIRTD WINDS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.2	1.2	.2								7.3	4.7
NNE	.2	.7	.5									1.5	5.7
NE	.2		.1									.4	6.7
ENE		.4	.6	.1								1.1	7.3
E		.5	.7	.7	.1							2.1	13.1
ESE		1.2	2.1	1.5	.6	.4	.1					5.9	11.3
SE	.1	1.0	2.7	2.2	.9	.9	.5					8.2	13.5
SSE	.5	1.3	2.9	3.2	1.1	.5	.1					9.6	11.5
S	.5	1.8	4.9	5.9	1.6	.4						15.7	11.3
SSW	.1	1.5	1.8	.6	.4							4.4	8.9
SW	.4	.9	.5	.1								2.7	5.9
WSW	.2	.6	1.6	.5								2.9	8.2
W	.6	1.7	2.2	.7								4.5	7.8
WNW	.7	2.4	2.6	.7								6.5	7.7
NW	1.7	3.1	2.9	1.0								8.7	6.4
NNW	2.5	5.4	2.8	1.2	.4							12.3	6.5
VARBL													
CALM												7.6	
	10.6	24.9	30.4	18.7	5.7	2.1	.7					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 819

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1950 CAPE NEWENHAM AFS AK

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1950-1950

CLASS

HOURS PER DAY

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	2.8	3.1	.8									5.7	7.1
NNE	.6	1.0	.1									1.7	4.3
NE	.3	.3	.4									1.0	5.9
ENE		.1	.4									.5	7.5
E	.5	.3	1.2	.7								2.5	8.8
ESE	.1	.3	1.7	2.5	.1		.1					4.9	11.5
SE	.5	.8	1.5	1.8	.8	.1	.3	.1				6.1	12.4
SSE	.1	2.5	2.8	3.1	2.1	.4	.1	.1				11.4	12.0
S	.6	2.9	5.3	4.5	1.1							14.3	15.1
SSW	.4	.8	1.9	1.0	.1							4.3	5.6
SW	.5	.5	.7	.3								2.1	6.3
WSW	.1	1.7	1.1	1.7								3.2	5.6
W	.3	.9	1.9	.8								3.9	6.3
WNW	.8	1.5	2.9	.8								5.1	7.5
NW	1.5	3.1	2.9	2.5	.3							13.5	7.7
NNW	2.5	5.1	2.9	.8								11.4	5.9
VARBL												5.4	
CALM													
	1.3	24.2	26.7	19.9	4.6	.6	.5	.3				170.3	7.6

TOTAL NUMBER OF OBSERVATIONS

770

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1500 CAFE NEWENHAM AFS AK 75-82 JULY  
STATION NAME YEARS MONTH  
ALL WEATHER 18 0000  
CLASS RECORD  
CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.4	.4									0.6	3.5
NNE	1.1	.5	.2									1.3	5.5
NE		.9	.2									1.1	5.2
ENE	.2	.4	.4									1.1	5.2
E	.6	.4	.4									2.2	5.3
ESE		.5	.6	1.7	.2							3.2	10.4
SE	.4	1.5	1.7	2.2	.4	.4						6.7	10.3
SSE	.4	2.4	3.2	3.2	2.8	.5		.4				13.1	12.8
S	1.5	5.2	4.3	3.7	1.9	.2	.2					17.7	9.9
SSW	.9	1.9	1.5	1.3	.2							5.8	7.9
SW	.2	1.1	1.1	.6								3.3	7.2
WSW	.2		2.2	.2								2.5	8.1
W		1.7	1.3	.9								4.1	8.1
WNW	.5	1.9	2.2	1.5								6.2	7.9
NW	1.1	2.5	2.2	.9								5.7	6.5
NNW	3.4	2.2	1.7	.4								7.8	5.1
VARS												11.9	
CALM													
	13.6	26.1	24.1	16.8	5.6	1.3	.2	.4				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 464

2

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 3357 CAPE NEWENHAM AFS AK

15-82

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2110-2300

CLASS

UTGAS LIST

CONDITION

WIND DIR	1-3	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	.2									1.5	3.4
NNE	.5	.4										.7	3.4
NE	.4											.4	1.5
ENE	.4	.4										.7	3.3
E	.5	.2	.9	.4	.2							2.2	6.3
ESE	1.1	.9	1.7	.9	.6							5.2	5.3
SE	1.1	1.3	1.1	1.7	.9	.7						6.3	9.6
SSE	2.1	3.4	2.6	3.4	1.9	.9						14.2	10.1
S	2.8	3.4	3.2	3.9	1.7		.4					15.3	9.4
SSW	.2	1.3	2.6	1.3	.2							5.8	7.1
SW	.6	.9	1.3	.7								3.5	7.9
WSW	.2	.4	.9	.4								1.9	7.9
W	.7	1.1	1.1	.7								3.7	7.5
WNW	.7	2.2	1.7	.2								4.9	5.9
NW	2.2	1.5	2.6	.2	.4							6.9	6.5
NNW		1.1	1.3	.4								2.8	6.1
VARBL												23.9	
CALM													
	14.7	18.7	21.3	14.2	5.8	1.1	.4					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

536

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 3050 CAPE NEWENHAM AFS AK

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURLY CLASS

CONDITION

SPEED KNOTS G.F.	1-3	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	.7	.2	.1							4.8	4.6
NNE	.5	.6	.2									1.3	4.2
NE	.3	.2	.1									.7	4.1
ENE	.3	.3	.3	.7								1.7	5.4
E	.6	1.1	1.3	.5	.1							3.5	7.2
ESE	.5	1.7	1.6	1.3	.4	.1	.1					5.3	10.2
SE	.5	1.3	1.6	2.7	1.7	.4	.2	.0				7.3	11.3
SSE	1.1	2.2	3.0	2.9	1.3	.4	.3	.1				10.9	13.6
S	1.4	3.2	4.1	4.2	1.5	.3	.1					14.7	15.2
SSW	.4	1.1	2.0	1.3	.2							4.9	8.5
SW	.3	.6	.7	.5								2.1	7.6
WSW	.2	.5	1.2	.5								2.3	8.4
W	.6	1.1	1.5	.7								3.9	7.5
WNW	.9	1.6	2.2	.5								5.2	6.4
NW	1.3	2.2	2.4	.8	.1							6.3	6.7
NNW	2.0	2.6	1.9	.8	.2							7.6	6.5
VARBL												18.4	
CALM													
	12.8	21.4	24.8	16.2	4.7	1.2	.4	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

5761

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
METEOROLOGICAL SERVICE/MAC

**SURFACE WINDS**

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

73000 CAFE NEWENHAM AFB AK  
STATION

73-82  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-2300  
HOURS

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	.6	.8	.2	.1								1.7	4.4
NNE	.3	.6	.2									1.2	4.1
NE	.2	.2	.1									.5	3.4
ENE	.5	1.7	.1									1.7	4.3
E	1.4	.9	1.4	.3								4.1	5.8
ESE	.5	.9	1.6	1.5	.7	.3	.2					6.7	12.0
SE	.9	1.5	2.7	2.1	.7	.3						6.7	10.0
SSE	.5	1.5	2.4	2.0	1.3	.5	.1					6.7	11.3
S	1.2	1.7	3.5	4.5	1.3	.5						12.7	11.7
SSW	.6	1.7	1.5	.9	.1							4.7	3.1
SW	.7	.5	1.5	.7								3.4	7.8
WSW	.2	.5	1.4	.7								2.3	5.8
W	1.2	.5	2.6	.6	.1							5.3	7.3
WNW	.5	.7	1.3	1.6								4.6	8.2
NW	1.0	1.7	.7	.6								3.4	5.3
NNW	.7	.2	1.7	.2								2.2	5.4
VARBL												79.5	
CALM													
	11.6	14.5	22.3	15.9	3.9	2.3	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

862

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73000 CAPE NEWENHAM AFS AK 73-82 JUL 1973  
 STATION STATION NAME YEARS MONTH HOURS  
 ALL WEATHER CLASS 100-500

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	.1	.3	.4	.3								1.0	0.7
NNE	.4	.1										.5	2.3
NE	.1	.3	.2									.7	5.0
ENE	.9	.4	.3									1.0	4.5
E	1.1	1.7	1.6	.3		.4	.1					5.3	5.1
ESE	.7	1.7	2.7	1.0	.3	.5	.1					5.0	10.7
SE	.5	1.5	1.3	2.5	.8	.1						7.7	10.4
SSE	2.0	1.7	1.3	2.8	1.4	.7						9.9	10.4
S	.9	2.0	4.0	4.1	.9							12.4	9.9
SSW	.4	1.2	1.7	1.5	.1							5.0	8.8
SW	.3	.7	1.0	1.0								2.9	8.8
WSW	.3	.7	1.1	.4								2.5	3.1
W	.4	2.7	2.2	.5	.1							5.2	7.2
WNW	.7	2.1	2.0	.7								5.3	6.9
NW	.2	1.7	1.2	.4								4.1	5.0
NNW	.7	.7	.4									1.7	5.1
VARBL												27.7	
CALM												27.7	
	10.5	19.4	27.9	15.7	3.6	1.7	.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 115

2

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAL

**SURFACE WINDS**

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

7 2750 CAPE NEWENHAM AFB AK 73-82 JUL  
 STATION NAME CLASS YEARS  
 ALL WEATHER  
 6530-0670  
 HOURS PER YEAR

WIND DIR	1-3	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	1.5	.3	.2								.7	4.5
NNE	.7	.3	.1									1.1	3.5
NE	.1	.5	.1									.3	5.3
ENE	.3	.2	.3	.1	.1							1.1	7.4
E	.8	2.3	1.1	.4	.3	.1						5.0	7.7
ESE	.4	1.1	1.4	1.4	.9	.5						5.5	11.5
SE	.4	.7	1.8	2.1	.8	.2						5.2	11.3
SSE	.7	1.4	2.1	1.7	1.1	.7	.1					7.4	11.3
S	1.1	1.5	4.7	4.6	1.1	.1						13.4	11.3
SSW	.3	1.4	1.2	.7	.3							3.2	8.3
SW	1.0	.7	1.3	.4		.1						3.5	7.2
WSW	.7	1.3	.9	.4	.1							3.4	6.7
W	1.0	.8	2.2	1.2								5.1	7.7
WNW	1.1	1.4	1.7	.8								5.0	5.6
NW	1.1	2.3	1.3	.2								4.9	5.5
NNW	1.1	1.5	1.8	.2								4.7	5.9
VARBL												24.9	
CALM													
	12.7	19.4	22.1	14.4	4.6	1.7	.1					170.0	6.4

TOTAL NUMBER OF OBSERVATIONS 221

2

GLOBAL CLIMATOLOGY BRANCH  
 US AFETAC  
 AIR WEATHER SERVICES/MAC

# SURFACE WINDS

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

1950 CAFE NEWENHAM AFS AK 73-82 JUL  
 STATION NAME CLASS MONTH  
 ALL WEATHER 500-100

	0-4	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.7	2.5	1.5	.1								7.7
NNE	.5	1.5										1.3
NE	.2	.9	.3									1.4
ENE	.3	.4	.8	.2	.1							1.9
E		.5	1.1	1.2	.3							2.8
ESE		.9	1.9	2.0	.9	.4						5.4
SE	.5	.7	1.7	2.6	1.3	.4						7.3
SSE	.2	1.1	2.5	1.6	1.7	.9	.2					7.3
S	1.0	2.2	4.8	4.8	1.1	.5						14.4
SSW	.2	1.7	1.1	2.2	.1							4.3
SW	.3	.4	.5	.8	.1							2.5
WSW	.3	.4	.3	.3								1.4
W	.4	1.9	1.1	1.4								4.5
WNW	.7	1.2	2.5	.9								5.2
NW	2.3	3.1	2.2	.9								8.4
NNW	3.9	3.7	1.0	.3								8.9
VARBL												13.3
CALM												
TOTAL	14.5	22.4	22.9	19.1	4.9	2.7	.2					100.0

TOTAL NUMBER OF OBSERVATIONS

915

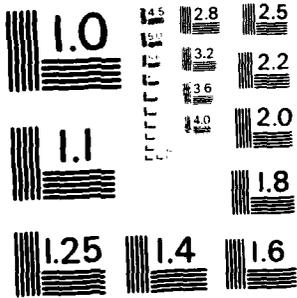
AD-A131 192

CAPE NEWENHAM AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83  
USAFETAC/DS-83/019 SBI-AD-E850 397 F/G 4/2

25

UNCLASSIFIED

NL



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 963 - 1

2

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/HAD

# SURFACE WINDS

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

STATION: CAPE NEWENHAM AFS AK

73-82

JUL

ALL WEATHER

1973-1982

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	4.5	4.7	.4	.3								7.9
NNE	.5	1.2										1.7
NE	.4	.3	.1	.1								1.7
ENE			.1	.5								14.4
E		.4	1.5	.8	.3	.7						7.4
ESE	.7	1.7	.8	7.7	1.1	.2	.1					6.7
SE		1.7	2.3	2.7	.4	.7	.2					7.7
SSE	.1	1.7	3.2	2.5	1.5	.4	.4					7.1
S	.5	2.2	3.8	5.4	2.1	.3		.1				15.4
SSW	.1	1.3	1.2	1.8	.2							4.7
SW	.1	1.7	.4	.2								1.7
WSW	.1	.7	.9	.2								1.3
W	.3	1.5	2.4	1.0								7.2
WNW	1.4	1.2	3.0	1.4								7.1
NW	2.5	3.5	2.4	1.7								9.3
NNW	2.4	3.5	2.3	.7								6.9
VARBL												0.6
CALM												
TOTAL	13.2	24.5	24.8	22.7	5.7	1.6	.9	.1				170.2

TOTAL NUMBER OF OBSERVATIONS

970

WASHINGTON, D.C. 20541

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AD-WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73000 CAFE NEWENHAM AFS AK  
STATION

73-82  
YEARS

JUL  
MONTH  
1500-1700  
HOURS, LST

ALL WEATHER  
CLASS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	3.1	.6	.1								7.3	4.1
NNE	.6	1.7										1.5	4.3
NE	.1	.3	.1		.1	.1						.8	9.9
ENE	.2	.1	.8	.2	.1							1.5	8.5
E	.2	.5	.6	.5								1.7	8.7
ESE		.7	1.4	3.0	.8	.2						6.1	12.8
SE	.2	.7	2.8	2.7	1.5	.2						7.4	12.0
SSE	.2	1.5	2.4	2.5	.2	.8						7.3	11.2
S		2.8	5.0	5.6	1.4	.7						15.4	11.3
SSE	.1	.9	1.7	2.1	.3							4.5	10.5
SW		.7	.6	.9								2.2	8.9
WSW		.5	1.0	.6	.1							2.3	9.3
W	.3	1.7	2.7	.9								5.1	7.4
WSW	1.2	2.4	3.0	1.6								6.2	7.5
W	2.7	3.4	4.1	1.4	.3							11.5	6.9
WNW	2.4	4.5	1.2	.6								8.7	5.0
VARBL												7.2	
CALM													
TOTAL	100	25.6	46.5	22.0	5.0	2.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

663

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

**SURFACE WINDS**

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

STATION NO. CAPT NEWENHAM AFB AK  
 STATION NAME

73-82

JUL  
 MONTH

ALL WEATHER  
 CLASS

19000000  
 NUMBER OF OBSERVATIONS

CONDITION

WIND D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.1	.4		.1							4.0	4.7
NNE	1.2	1.2										2.9	3.8
NE	.7	.5										1.2	3.1
ENE	.1	.5	.3									1.7	5.4
E	.4	.4	.9	.5								2.2	8.7
ESE	.1	.3	1.9	1.9								4.3	17.7
SE		.4	4.1	2.4	1.7	.7						9.3	12.1
SSE	.3	1.7	2.2	1.8	1.7	.5						7.7	11.9
S	.3	2.7	5.3	5.8	1.5	.4						16.1	11.1
SSW	.4	.7	4.7	1.7	.7							7.7	9.8
SW			.5	1.5								2.1	11.3
WSW	.1	.4	.7	.9								2.2	9.4
W		1.7	1.5	1.3	.1							5.2	8.4
WNW	.4	1.5	2.4	1.5	.1							5.9	8.8
NW	1.9	2.5	2.5	.7								7.7	6.4
NNW	2.7	2.4	1.3	.7								7.1	5.4
VARBL												15.7	
CALM													
	10.1	19.1	29.4	20.1	4.9	1.8						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

676

GLOBAL CLIMATOLOGY BRANCH  
 OFFICE  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

74-82 CAPT NEENHAM AFS AK  
STATION STATION NAME

74-82  
YEARS

JUL  
MONTH  
 1100-1300  
NUMBER OF HOURS

ALL WEATHER  
CLASS

UNCLASSIFIED

DIR	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	.1	.1							.1	4.5
NNE	.7	.7	.1								.7	4.4
NE	.7	.7	.7								1.5	4.1
ENE	.7	.7	.8								1.2	5.4
E	.8	.7	.8	.1							2.1	5.6
ESE	.8	1.7	2.8	1.8	.5	.1					6.5	13.3
SE	.7	1.7	2.9	2.1	.5	.1					8.2	9.7
SSE	.7	1.7	3.7	2.8	1.7	1.3					17.5	12.6
S	.6	2.1	4.4	4.7	1.2	1.7					13.2	11.1
SSW	.4	.7	.9	1.3	.1						3.5	7.3
SW	.7	.7	2.1	1.5							4.3	7.4
WSW	.7	.9	.8	.7							1.7	8.2
W	.9	.6	1.2	.5							3.2	7.7
WNW	.4	1.7	1.6	.9							4.3	7.8
WW	1.8	1.6	1.7	.9							5.3	5.9
WNW	.8	1.3	.3	.7							2.8	6.8
VARBL											8.2	
CALM											8.2	
	9.7	15.9	22.9	17.6	3.7	2.5	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

680

GLOBAL CLIMATOLOGY BRANCH  
 AFMPC/AC  
 AFM WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: CAFE NEWENHAM AFS AK      YEARS: 73-82  
 CLASS: ALL WEATHER  
 MONTH: ALL

DIRECTION	1-3	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	.5	.2	.0	.0	.0	.0	.0	.0	.0	4.7	4.4
NNE	.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.7
NE	.3	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	1.7	5.1
ENE	.3	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.3	7.1
E	.5	1.7	1.1	.5	.1	.1	.0	.0	.0	.0	.0	3.4	8.7
ESE	.3	1.7	1.7	3.7	.7	.4	.1	.0	.0	.0	.0	8.7	11.7
SE	.5	1.1	2.4	2.3	.7	.3	.0	.0	.0	.0	.0	7.5	11.3
SSE	.5	1.3	2.4	2.2	1.1	.7	.1	.0	.0	.0	.0	8.5	11.8
S	.7	2.7	4.4	5.0	1.3	.4	.0	.0	.0	.0	.0	14.1	12.4
SSW	.4	1.1	1.5	1.5	.3	.0	.0	.0	.0	.0	.0	4.7	9.3
SW	.4	.6	1.3	.8	.0	.0	.0	.0	.0	.0	.0	2.3	5.4
WSW	.3	.6	.9	.5	.0	.0	.0	.0	.0	.0	.0	2.3	5.1
W	.6	1.4	1.9	.9	.0	.0	.0	.0	.0	.0	.0	4.9	7.6
WNW	.9	1.5	2.2	1.2	.7	.0	.0	.0	.0	.0	.0	5.7	7.6
NW	1.7	2.4	1.9	.8	.0	.0	.0	.0	.0	.0	.0	6.9	6.2
NNW	1.3	2.3	1.2	.4	.0	.0	.0	.0	.0	.0	.0	5.7	5.3
VARBL												19.3	
CALM													
	11.8	20.3	23.7	18.4	4.5	2.7	.3	.0	.0	.0	.0	100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 5756

FEDERAL CLIMATOLOGY BRANCH  
 WAFBETAC  
 AIR WEATHER SERVICE/AFAC

**SURFACE WINDS**

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

7 2010 CAPE NEWENHAM AFS AK

73-82

10

ALL WEATHER

000-1200  
 HOURS UTC

	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	2-56	%	MEAN WIND SPEED
0	.5	.7	.9	.3		.2						2.7	6.3
0-5	.5	.7	.1									.5	5.7
5-10	.3	.7										.5	5.4
10-15	.2	.7	.3	.2								1.7	6.1
15-20	.9	2.1	1.3	.3	.2							4.3	6.4
20-25	.7	1.4	1.7	.8	.5	.5						5.4	9.7
25-30	1.9	1.6	1.9	2.8	.9	.9	.7					17.2	11.2
30-35	.6	2.1	1.7	4.5	1.2	.7	.2					7.7	11.7
35-40	1.0	3.3	3.3	4.3	.9	.7						13.2	7.9
40-45	.7	1.5	2.9	1.0	.3							6.5	6.7
45-50	.5	.3	.3	1.0	.5							3.2	10.4
50-55	.6	.3	1.3	1.4	.7							4.1	8.5
55-60	.6	.7	1.6	.7	.1							4.0	8.7
60-65	.7	.3	1.4	.5								2.4	6.3
65-70	.7	1.0	1.5	.8								3.6	6.3
70-75	.6	.9	1.3	1.7	.2	.2						4.3	9.6
VARBL												2.5	
CALM													
TOTAL	17.1	18.6	20.7	19.9	5.7	2.3	.5					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 659

DATA FROM THE AIR WEATHER SERVICE/AFAC

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73000 CAPE NEWENHAM AFS AK

73-92

807

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

3300-7500

CLASS

HOURS LIST

CONDITION

STRENGTH KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.7	1.4	.4	.2	.1						3.4	8.8
NNE	.5	.7	.1									1.2	4.1
NE	.2	.3										.7	3.7
ENE	.2	1.1	.2									1.5	4.9
E	.8	1.9	1.4	.2								4.2	5.7
ESE	1.1	1.1	1.7	1.7	.5	.1	.2					5.3	10.3
SE	.8	2.3	.9	3.2	1.4	1.3	.5					17.3	13.1
SSE	1.3	2.2	2.2	3.4	1.5	.7	.2					11.5	11.5
S	1.1	2.4	4.1	2.9	.9							11.4	9.4
SSW	.7	1.3	1.7	1.9	.1							5.7	9.1
SW	.2	.5	1.4	1.7	.2							3.4	10.1
WSW	.2	.7	1.5	1.7	.1							3.7	8.9
W	1.1	1.5	2.0	1.6	.1							6.3	8.7
WNW	.3	.5	.5	.7								2.1	7.4
NW	.1	1.7	1.7	.2								3.1	7.8
NNW	.2	.4	1.5	.9	.1	.2						3.7	9.3
VARBL												21.7	
CALM													
	9.5	19.1	21.8	17.1	5.2	2.5	1.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

915

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 3000 CAPE NEWENHAM AFS AK

73-B2

AC

ALL WEATHER

CLASS

CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.9	1.4	.3	.1	.3						2.5	7.4
NNE	.4	1.4	.3									2.2	5.7
NE	.9	.3										1.2	3.7
ENE	.3	.5	.3									1.2	3.3
E	.9	1.0	.9	.3								3.7	6.2
ESE	.7	1.3	1.5	2.7	1.8		.1					7.3	12.4
SE	1.2	1.7	2.4	3.3	1.8	.5	.2	.2				11.5	12.5
SSE	1.2	1.1	3.1	2.2	1.4	.7						9.7	11.1
S	2.4	2.7	3.9	3.4	1.0							12.6	8.9
SSW	.5	1.1	1.8	1.0	.3							4.8	6.6
SW	.5	1.7	1.2	.2	.1	.1						3.1	7.6
WSW	.2	.5	1.8	1.0								3.6	7.3
W	.3	1.3	2.1	1.8								5.5	7.7
WNW	.3	.7	1.0	.7								2.6	7.8
NW	.3	1.7	1.5	.9								3.7	8.2
NNW	.5	.8	1.0	.7		.2						3.1	6.4
VARBL												11.3	
CALM													
	11.2	16.5	24.3	18.3	5.8	2.1	.3	.2				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

921

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

**SURFACE WINDS**

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

STATION CAFE NEWENHAM AFB AK  
 STATION NAME

73-82  
 YEARS

80  
 MONTH

970-110  
 HOURS U.S.T.

ALL WEATHER  
 CLASS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	3.7	2.2	.3	.2	.3						9.1	3.9
NNE	1.3	.7	.3									7.5	3.7
NE	.4	.4	.1									1.3	3.7
NNE	.3	.3	.4									1.1	3.3
E	.1	1.3	1.6	.7								3.4	3.2
ESE	.2	.3	2.0	2.5	.9	.1						3.1	12.4
SE	.7	.7	2.5	2.7	1.2	.8	.3					3.6	13.5
SSE	.5	1.1	3.6	3.7	1.3	.5						13.7	12.3
S	1.1	2.7	5.2	3.8	1.3	.3						14.7	7.6
SSW	.2	1.1	2.1	1.6								3.3	3.3
SW		1.1	.8	.5	.7							2.5	7.3
WSW	.7	.3	1.3	1.3	.1							3.3	10.3
W	.4	.7	2.1	2.5								5.9	9.7
WNW	.5	.7	1.6	.3								3.2	7.1
NW	1.4	1.1	1.5	.9								5.2	6.3
NNW	2.5	1.4	1.3	.7	.1							5.5	3.5
VARIABLE												12.7	
CALM													
TOTAL	12.7	17.2	28.6	21.0	5.5	2.7	.3					170.1	3.1

TOTAL NUMBER OF OBSERVATIONS 521

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

730500 CAPE NEWENHAM AFS AK 73-82 ALL WEATHER 1900-1400  
STATION STATION NAME YEARS MONTH HOURS  
CLASS  
CONDITION

WIND DIRE	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.3	4.7	1.7	.4	.1	.1						11.4	5.1
NNE	1.5	1.4	.3									3.3	4.1
NE	.2	.2										.4	3.5
ENE	.1	.1	.3									.5	5.5
E		.2	1.1	.5								1.3	9.5
ESE	.1	.9	2.5	2.5	.9	.4						7.3	12.1
SE	.3	.5	2.4	3.9	1.4	.4	.2					7.2	13.3
SSE	.3	1.3	2.4	4.0	1.4	.4	.1					10.7	12.3
S	.3	2.4	4.5	4.5	1.7	.4						13.9	11.3
SSW	.5	1.0	2.2	1.3	.3	.1						5.4	7.9
SW		.7	1.0	1.3								2.9	10.1
WSW		.2	1.5	.8	.1							2.5	13.5
W	.5	.3	2.3	2.1								5.2	9.5
WNW	.4	1.1	2.0	1.3	.3							5.1	7.1
NW	1.0	1.1	1.4	1.5	.1							5.1	7.9
NNW	3.7	4.1	1.7	.9	.2	.1						13.7	5.9
VARBL												5.1	
CALM													
	13.5	20.2	27.3	25.0	6.6	2.1	.3					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 921

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 5000 CAPE NEWENHAM AFS AK  
 STATION

73-82

AS

ALL WEATHER

10 17-1700

CLASS

WIND

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	3.8	3.9	1.4	.5	.1	.2	.2					10.1	5.8
NNE	1.7	1.0	.1									5.9	3.4
NE	.2	.2										.1	4.3
ENE		.7	.3									.6	6.1
E	.2	.6	.5	.6	.1							1.7	6.5
ESE			1.3	1.7	1.4	.3						4.7	14.5
SE	.3	1.0	2.2	3.7	.5	1.7	.2					4.8	14.1
SSE	.5	1.5	3.4	3.7	1.5	.9						11.3	11.3
S	.1	1.7	4.8	4.7	1.6	.7						12.3	11.2
SSW	.2	1.7	2.3	1.3	.4	.3						6.1	11.2
SW	.2	.6	1.1	.8								1.7	9.1
WSW	.1	.5	1.6	.7	.1	.1						3.2	7.8
W	.1	1.6	2.2	1.7		.1						5.7	9.2
WNW	.6	1.1	1.8	1.6	.2	.1						5.4	8.7
NW	1.3	1.7	2.5	1.7	.2							6.5	7.4
NNW	3.6	2.7	2.1	1.1	.2	.1						10.2	6.1
VARBL												4.1	
CALM													
	14.2	19.7	27.6	23.0	7.0	4.3	.5					100.1	9.2

TOTAL NUMBER OF OBSERVATIONS

574

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

73050 CAPE NEWENHAM AFB AK 73-74,75-82  
STATION MONTH YEARS  
ALL WEATHER CLASS  
CONDITION

DIR	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	3.1	2.7	1.3	.4		.5					1.2
NNE	.5	.5									4.7
NE	.5	.4									3.7
ENE		.3									5.7
E		.3	1.0	.3							1.5
ESE	.5	.5	1.7	1.5	1.3	.5					3.7
SE		.3	2.4	2.7	.9	1.3	.1				5.1
SSE	.4	1.5	3.1	4.5	.7	.5	.3				11.3
S	.5	1.7	4.7	3.2	1.3	.1	.1				11.5
SSW	.3	1.5	2.2	1.9	.3	.4					7.7
SW	.7	.9	.8	.8							3.2
WSW		.9	1.8	.5							3.2
W	.3	2.4	2.0	1.3	.1						6.7
WW	1.3	1.9	1.4	.8							5.3
NW	.8	1.4	1.8	1.3							5.2
NNW	2.0	1.3	1.3	1.5	.3	.1					7.3
VARBL											14.2
CALM											
	10.6	19.6	25.5	20.6	5.1	3.3	.5				100.0

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

71000 CAPE NEWENHAM AFB AK 73-82 407  
 STATION NAME YEARS MONTH  
 ALL WEATHER 2100-2300  
 CLASS MONTH

DIR	3-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	.8	.7	.5						4.4	7.5
NNE	.3	.1									.4	7.3
NE	.3	.5									.8	7.8
NNE	.7	.1	.1								1.7	7.3
E	1.1	.5	1.2	.3	.1						3.3	8.7
ESE		1.7	1.7	1.4	.4	.1					3.5	11.8
SE	1.0	1.8	2.3	2.4	1.8	.4	.4				17.1	12.1
SSE	1.5	2.7	2.9	2.9	1.5	.1	.3	.1			12.7	12.8
S	1.2	2.7	3.5	4.1	1.6	.1					12.7	12.3
SEW	.4	1.1	2.6	1.8	.1	.1					2.1	9.8
SW	.3	.4	.7	1.4	.1						2.9	12.3
WSW	.5	.5	.7	.7	.1						2.8	8.8
W	1.0	1.7	2.2	1.0	.4						5.7	7.4
WNW	1.1	.4	.4	1.1							3.2	7.2
NW	.1	1.7	1.1	1.2	.1						3.5	9.1
NNW	.5	.4	1.8	1.4	.1	.5					4.5	11.1
VARBL											72.7	
CALM												
	10.8	16.2	21.2	27.1	6.9	1.8	.7	.1			100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 735

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73000 CAFE NEWENHAM AFB AK  
 STATION

73-80  
 YEARS

ALL WEATHER  
 CLASS

ALL  
 WEATHER  
 CLASS

WIND DIRECTION	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.3	1.4	.4	.1	.1	.1					6.6	6.5
NNE	.9	.8	.2									1.8	4.1
NW	.4	.5	.7									.8	3.7
ENE	.2	.5	.3									1.2	5.4
E	.5	1.7	1.1	.4	.1							3.7	7.2
ESE	.4	.3	1.5	1.9	.8	.7						5.8	11.8
SE	.7	1.3	2.1	3.1	1.7	1.5	.3	.7				9.7	12.9
ESE	.3	1.7	2.7	3.5	1.4	.5	.1	.7				17.3	11.7
S	1.0	2.3	4.3	3.8	1.2	.7	.7					12.3	12.2
SSE	.4	1.2	2.2	1.5	.4	.1						5.3	9.5
SW	.2	.5	1.0	.7	.1	.7						2.7	9.5
WSW	.7	.6	1.5	.9	.1	.7						3.3	7.3
W	.5	1.3	2.7	1.6	.1	.7						5.6	8.6
WSW	.5	.8	1.3	.7	.1	.7						3.6	8.7
NW	.3	1.2	1.7	1.1	.1							4.5	7.7
NNW	1.3	1.7	1.8	1.7	.7							5.2	7.7
VARIABLE												15.3	
CALM													
	11.0	19.4	24.7	22.9	5.8	2.5	.5	.7				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

5979

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
NO. WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 1950 CAPE NEWENHAM AFS AK  
STATION

77-82

SEP

ALL WEATHER

MONTH  
007-7.00  
HOURLY OBS.

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1	2.6	4.5	1.7	.7						11.2	1.5
NNE	.1	.5	.6	.7	.3							2.2	2.7
NE	.4	.3	.2	.1								1.5	5.7
NNE	.1	.3	.2	.1								.3	7.1
E	1.5	2.7	1.2	.8								5.5	5.3
ESE	1.2	1.7	1.7	1.3	.2	.7	.1					3.6	7.5
SE	1.2	1.5	1.7	2.1	.3	.7						7.1	7.7
SSE	.3	1.7	2.4	2.7	.5	.5						5.3	15.5
S	.4	1.3	4.0	3.7	1.0	.4	.3					11.3	11.6
SSW	.4	.3	1.9	.7	.8							4.5	15.1
SW	.2	.7	1.7	.3	.2	.2						2.7	13.2
WSW	.2	.5	1.8	.6								7.7	8.3
W	.5	.6	2.7	1.5	.2							5.5	7.2
WNW	.2	.5	1.3	1.0								3.1	7.5
NW	.4	.7	1.8	1.7	.2							4.9	5.8
NNW	.1	1.1	2.5	3.9	1.2	.5	.1	.1				9.6	12.9
VARBL													
CALM												13.3	
TOTAL	5.4	15.2	27.4	25.0	6.8	3.1	.5	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

692

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1050 CAPE NEWENHAM AFS AK 73-82  
 STATION NAME YEAR  
 ALL WEATHER  
 CLASS  
 MONTH  
 1007-1007

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.7	2.9	5.5	1.6	.4						12.7	12.4
NNE		.7	.7	.4								2.5	5.7
NE	1.0	.3	.1	.2	.1							1.8	5.3
NENE	.7	.6	.3	.1								1.7	4.7
E	1.3	2.2	1.0	.7		.1						5.4	6.5
ESE	.7	1.4	2.2	1.2	.4							5.4	7.3
SE	.9	1.3	1.3	2.4	.4							5.4	7.7
SSE	.9	2.4	2.2	1.7	.7	.4	.1					3.9	7.3
S	1.1	1.2	3.5	3.8	1.7	.7						11.5	10.9
SSW	.1	.4	1.1	1.5	.8	.1						5.7	12.8
SW	.1	.3	.7	.1	.2	.1						1.5	5.9
WSW	.1	1.3	1.7	.4	.2							3.1	5.3
W	.3	.7	3.1	1.5	.2							5.3	7.6
WNW		.3	1.3	1.2	.2							3.7	10.4
NW	.3	.7	1.3	1.6	.2							4.1	9.6
NNW	.4	.7	1.7	3.1	1.7	.3						7.7	12.3
VARBL												12.9	
CALM												12.9	
	3.6	16.5	24.6	26.9	8.2	2.2	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 892

2

FEDERAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/PAO

# SURFACE WINDS

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

STATION Z 0200 CAPE NEWENHAM AFS AK

73-82

PERIOD

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-2400

CLASS

NO. OF OBS.

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.7	4.9	4.9	2.1	.7						14.4	11.7
NNE	.6	.9	.7	1.7								3.1	7.7
NE	.1	.4	.2									.7	5.3
ENE	1.1	.3	.2	.4								7.1	7.5
E	1.2	1.5	1.7	.3	.2	.1						5.3	6.7
ESE	1.0	1.3	1.3	1.2	.3							5.3	5.7
SE	1.1	1.5	1.3	2.5	.7	.3						7.4	13.0
SSE	1.2	2.3	1.7	2.7	1.1	.2	.1					7.4	13.3
S	.5	1.4	2.1	3.2	1.3	.1	.1					7.3	11.4
SSW	.1	1.7	1.7	1.7	.2							4.7	13.3
SW		.4	.9	.7	.6							2.8	11.3
WSW		1.7	1.9	.2	.2							3.4	5.5
W	.3	1.2	2.6	.4	.1							4.7	5.0
WNW	.1	.5	1.1	.9	.5							3.2	13.5
NW		.5	1.5	1.3	.2							3.6	13.0
NNW	.3	.2	2.3	3.2	1.1	.7						7.9	13.1
VARBL												12.9	
CALM													
TOTAL	8.3	16.4	16.4	24.8	8.8	2.1	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

894

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE

**SURFACE WINDS**

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

1957 CAROLINEHAM AFB TX  
 STATION

77-82

1957

ALL WEATHER  
 CLASS

1957-1957  
 PERIOD

LOCATION

	2-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64-71	72-80	81-90	91-100	MEAN WIND SPEED
N	2.7	1.7	2.1	4.5	2.1	1.1										7.4
NE	.8	1.1	.7	.5	.1											7.1
E	.7	.5	.7	.7												7.2
SE	.2	.7	.7	.3												7.3
S	.7	1.6	2.3	.9		.7										7.5
SW	.8	.7	.9	1.3	.4											7.7
W	.7	.7	1.3	1.8	.7	.4	.1									11.7
NW	.1	.7	2.1	3.6	1.2	.7										12.3
W	.1	1.3	2.0	3.5	1.2	.7										12.1
SW	.7	.5	1.8	1.9	.5	.7										11.3
W	.1	1.2	1.7	1.1	.2	.1										9.5
NW	.3	.7	1.6	.9	.7											8.7
W	.7	1.7	1.9	1.3	.1											8.9
NW	.4	.5	.9	.7	.4											9.5
NW	.9	.3	1.4	.9	.7											5.4
NW	.9	1.4	3.5	3.6	1.2											13.5
VARIABLE																9.5
CALM																9.5
	8.4	15.6	23.5	25.6	8.6	2.9	.1									13.2

TOTAL NUMBER OF OBSERVATIONS

898

2

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

# SURFACE WINDS

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

STATION NO. CAPE NEWENHAM AFS AK STATION NAME CAPE NEWENHAM AFS AK ELEVATION 77-80  
 CLASS ALL WEATHER PERIOD 1000-1400

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	1.8	2.7	5.3	5.7	2.4	.4						13.4
NNE	1.7	.8	.9	.7	.3							7.4
NE	.7	.5	.3	.1	.1							1.3
NNE		.7	1.2	.4								2.7
E	.4	1.7	1.8	1.1								4.4
ESE	.5	.7	1.5	1.8	.5		.1					4.7
SE	.7	.3	1.2	1.2	.8	.7	.1	.1				4.7
ESE		.7	2.2	2.1	.7	.3	.1					5.4
S	.3	1.5	3.4	4.5	1.7							10.5
SSW	.1	.8	2.7	2.1	.8	.7						5.7
SW	.2	.7	.9	.3	.1	.1						1.7
WSW		1.1	1.8	.7	.7							3.5
W	.1	1.1	2.3	1.7	.3	.3						5.7
WNW	.3	.7	1.8	1.2	.4							4.5
NW	1.7	1.3	2.5	1.3	.7							6.4
NNW	.7	2.1	2.8	4.6	1.5							11.5
VARIAL												2.7
CALM												2.7
	1.7	15.8	32.1	27.5	8.2	1.7	.3	.1				13.2

TOTAL NUMBER OF OBSERVATIONS 82

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 0357 CAPE NEWENHAM AFS AK 73-82  
 STATION STATION NAME YEARS  
 ALL WEATHER  
 CLASS  
 MONTH 1507-1700  
 HOUR-URLIST

WIND DIRECTION	0-2	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	2.5	4.3	3.1	3.7	1.5	.1					18.7	11.4
NNE	.6	.5	.5	.4								1.9	7.4
NE	.2	.5	.2	.2								1.2	6.3
ENE	.4	.2	.6	.2	.1							1.5	7.5
E	.5	.9	1.9	1.4								4.8	8.1
ESE		.5	.9	.9	.2							2.7	12.9
SE	.1	.2	1.2	1.2	.5	.1						3.4	12.3
SSE		.2	.5	.4	.4	.6	.1					7.2	12.2
S	.2	.3	3.5	4.7	1.3	.1						17.1	11.5
SSW	.2	.4	2.2	2.2	.9	.1						5.8	12.5
SW		.5	1.3	.7	.2							3.5	12.2
WSW		.5	2.2	.4	.1		.1					3.4	7.7
W	.2	1.5	2.5	2.0	.1	.1						5.5	7.5
WNW	.2	.7	2.7	1.5	.1	.4	.1					5.8	11.2
NW	1.4	1.3	2.1	2.1	.1							7.1	5.3
NNW	1.3	3.1	3.9	4.1	2.2	.2						14.5	12.3
VARBL												4.5	
CALM													
	7.4	15.4	32.2	27.8	9.5	2.6	.5					105.2	12.2

TOTAL NUMBER OF OBSERVATIONS 651

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAAC

**SURFACE WINDS**

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

7 0000 CAFE NEWENHAM AFS AK 73-75,77-82 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 1973-09-01  
CLASS DATE LIST

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	1.1	1.2	2.9	3.9	4.7	1.7						3.7	3.7
NNE	.1	.7	.5	.4	.1	.1						2.1	7.7
NE	.3	.4	.4	.5								1.7	7.8
ENE	.5	.4										1.7	3.4
E	.7	1.7	.7	.5								2.9	7.0
ESE	.1	1.1	1.5	1.9	.3							3.3	17.1
SE	.8	.5	1.1	1.4	.5							4.4	3.5
SSE	.4	1.5	2.1	2.8	.6		.1					7.5	10.8
S	.8	1.5	2.2	3.1	.7	.3	.1					8.7	10.7
SSW	.3	1.2	1.0	.8	.8	.1						4.3	10.5
SW	.1	.4	1.4	.8	.7							3.2	11.3
WSW	.4	1.0	1.7	.7	.4							4.2	7.1
W	.4	2.3	3.1	1.5	.7	.1						3.5	7.0
WNW	.3	.7	1.8	1.7		.1						4.6	7.7
NW	.3	.7	2.5	1.0	.3							4.7	9.3
NNW	.1	1.3	3.5	3.1	1.9	.3	.3					11.2	12.7
VARBL													
CALM												10.1	
#	6.9	17.5	26.4	24.2	11.1	3.1	.6					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

10000 CAPE NEWENHAM AFS AK 73-92  
 STATION NAME CLASS MONTH 100-0000  
 ALL WEATHER

WIND DIRECTION	2-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	3.0	4.6	2.3	2.1						14.3	14.8
NNE	.1	1.3	1.0	.5	.1							3.1	8.3
NE	.8	.5	.4	.1								1.7	5.3
ENE	.5	.7	.1									1.0	4.0
E	1.9	.8	1.2	.5	.1							4.5	6.4
ESE	.9	1.3	1.2	1.2	.4							5.4	10.2
SE	.8	1.0	1.7	2.6	.3	.1						6.4	10.7
SSE	.3	2.7	1.5	2.2	.1	.1	.1					7.5	9.1
S	.8	1.2	2.3	3.0	.9	.3	.5					7.7	12.4
SSW	.5	1.2	2.3	1.2	.3	.4						5.7	9.5
SW	.3	.9	1.2	.5	.3	.1						3.3	8.7
WSW	.1	.9	1.3	.8								3.1	8.8
W	.5	1.8	3.1	1.3	.5	.3						7.5	9.2
WNW	.5	.4	1.0	1.2								3.1	8.6
NW	.4	1.2	1.8	1.4	.1		.1					5.7	9.1
NNW	.1	.3	1.3	3.1	1.5	.5		.3				7.1	15.3
VARBL												12.6	
CALM													
TOTAL	9.3	16.7	24.3	24.2	7.5	4.4	.9	.3				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 778

AFETAC 10000 CAPE NEWENHAM AFS AK 73-92

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: CAPE NEWENHAM AFS AK      YEARS: 73-82      PERIOD: ALL  
 CLASS: ALL WEATHER  
 CONDITION: ALL

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	.2	1.6	3.9	4.4	2.5	1.1	.7	.1	.1	.1	.1	5.2	12.1
NNE	.4	.8	.7	.6	.1	.1	.1	.1	.1	.1	.1	2.7	5.2
NE	.4	.5	.3	.2	.7	.1	.1	.1	.1	.1	.1	1.4	6.2
ENE	.4	.5	.4	.2	.7	.1	.1	.1	.1	.1	.1	1.6	6.3
E	1.7	1.4	1.5	.7	.7	.1	.1	.1	.1	.1	.1	4.3	7.1
ESE	.5	1.7	1.4	1.4	.4	.1	.7	.1	.1	.1	.1	4.7	7.8
SE	.7	.9	1.4	1.9	.5	.7	.1	.1	.1	.1	.1	5.8	10.1
SSE	.5	1.6	2.2	2.7	.7	.3	.1	.1	.1	.1	.1	8.7	11.1
S	.5	1.3	2.9	3.6	1.7	.7	.1	.1	.1	.1	.1	9.7	11.1
SSW	.3	.8	1.8	1.5	.6	.1	.1	.1	.1	.1	.1	5.7	11.1
SW	.1	.6	1.0	.6	.3	.1	.1	.1	.1	.1	.1	2.7	10.1
WSW	.1	.7	1.5	.6	.7	.1	.7	.1	.1	.1	.1	3.4	9.7
W	.3	1.3	2.8	1.4	.3	.1	.1	.1	.1	.1	.1	5.7	9.7
WNW	.3	.6	1.4	1.2	.7	.1	.7	.1	.1	.1	.1	3.4	9.9
NW	.5	.9	1.8	1.4	.7	.1	.7	.1	.1	.1	.1	5.7	5.3
NNW	.5	1.3	2.7	3.6	1.4	.4	.7	.1	.1	.1	.1	10.3	11.8
VARBL												0.9	
CALM												9.9	
TOTAL	9.7	16.1	27.8	26.3	8.6	2.7	.4	.1	.1	.1	.1	100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 6820

FEDERAL CLIMATOLOGY BRANCH  
 USAFSTAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7-1950 CAPE NEWENHAM AFS AK

73-52

ALL WEATHER

CONDITION

WIND DIRECTION	1-3	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	4.3	6.9	3.5	2.1	.1					11.2
NNE	.4	1.8	2.7	2.3	.8	.7	.2					5.5
NE	1.1	2.1	1.0	.1								4.3
ENE	.3	.4	.6	.6	.1							2.0
E	.9	2.2	1.8	.8	.1	.3						5.1
ESE	.7	.8	2.5	2.1	1.0	.4	.1					7.6
SE	.4	1.2	.9	1.9	.6	.7						5.3
SSE	.7	1.7	1.4	1.9	.6	.1						5.3
S	.4	1.7	2.1	3.0	.9	.3						7.7
SSW		1.3	1.3	1.5	.8							5.7
SW		.7	.6	.8	.4							2.7
WSW	.1		.6	.3								1.7
W		.5	.6	.7	.3							2.1
WNW	.2	.3	.7	1.2	.2	.2						3.3
NW		1.7	.7	1.2	.3	.2	.1					4.2
NNW		.8	1.9	2.8	2.4	1.0	.2					9.1
VARBL												7.0
CALM												
	5.5	17.6	23.4	28.0	12.3	5.4	1.1					100.0

TOTAL NUMBER OF OBSERVATIONS

525

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAO

**SURFACE WINDS**

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

STATION CAPE NEWENHAM AFS AK

73-32

ALL WEATHER

PERIOD 0100-0000  
 MONTH YEAR

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.2	5.2	7.8	4.5	1.4	.2					1.1	12.4
NNE	.4	1.3	2.4	1.9	1.3	.3	.2	.1				7.5	11.6
NE	.2	1.7	.4	.6	.1							2.3	8.1
ENE	.3	1.3	.4	.2								2.3	8.7
E	.7	1.7	2.8	.9	.2	.3						5.5	8.8
ESE	.2	.3	2.3	2.4	1.1	.4	.1					7.7	10.4
SE	.9	.9	1.6	1.8	1.2	.7						5.6	11.1
SSE	.5	2.7	1.1	2.1	.4	.7						7.6	12.1
S	.4	1.4	2.1	2.6	.9	.1	.1					7.7	11.7
SSW		.5	1.5	.3	.3							2.3	12.1
SW	.1	.9	.4	.1	.1	.1						1.3	8.3
WSW	.4	.5	.4	.9	.1		.2					2.7	10.6
W	.3	.5	.9	1.7	.3							3.1	7.8
WNW	.2	.7	.6	.8		.3						2.8	12.1
NW	.2	.7	1.4	1.2	.2	.1	.1					4.7	12.4
NNW	.1	.2	.5	3.3	2.7	1.3						5.1	12.7
VARBL												6.2	
CALM													
	5.4	16.7	24.6	27.6	13.7	5.4	1.0	.1				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

500

GENERAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

73000 CAPE NEWENHAM AFS AK 73-32 001  
 STATION NAME STATION NAME YEARS MONTH  
 ALL WEATHER 0600-2400  
 CLASS HOURS PER DAY  
 CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.1	4.4	3.5	4.7	1.1	.1					1.2	15.4
NNE	.1	1.3	2.0	1.9	1.7	.7		.7				6.3	12.5
NE	.1	.6	.7	.7	.1							7.1	9.1
ENE	.6	.7	1.2	.6								7.0	7.7
E	.8	1.3	2.9	2.0	.3	.1						7.3	8.9
ESE	.2	.3	1.4	2.4	1.2	.5	.3					6.7	14.1
SE	.3	.7	1.7	1.9	.8	.7						5.7	12.5
SSE	.6	1.3	.9	2.3	.9	.7						6.5	17.4
S	.5	1.4	1.1	2.5	.7	.7						6.7	17.8
SSW	.4	1.7	.8	1.7	.4							4.3	9.7
SW	.2	.9	.4	.4		.1						2.1	8.4
WSW		.5	.5	.8		.7	.1					3.2	12.1
W	.7		.3	1.1	.2							2.3	10.6
WNW		.7	1.0	1.0			.1					3.8	15.7
NW	.1	.7	1.2	1.7	.3	.1	.2					3.9	12.7
NNW	.1	.4	1.1	3.4	2.3	1.4						3.3	15.7
VARBL												6.3	
CALM													
	5.4	14.4	21.5	32.7	13.0	5.0	.9	.3				10.2	11.2
TOTAL NUMBER OF OBSERVATIONS												939	

2

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

# SURFACE WINDS

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

7 0000 LAKE NEWENHAM AFB AK

73-81

ALL WEATHER

DIR	0-4	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.1	5.1	1.4	4.5	1.4					1.1	10.4
NNE	.7	1.3	1.3	1.7	.7	.3		.3			1.3	12.1
NE	.4	.7	1.0	.3							1.1	7.3
ENE	.7	.8	.8	.2							1.1	7.1
E	.2	1.3	3.1	2.5	.7	.4					2.0	10.1
ESE	.8	.7	1.3	2.8	.7	1.2	.1				1.7	10.1
SE	.8	.4	1.7	2.8	1.0	.7	.7				1.1	13.0
SSE	.7	1.7	1.7	2.8	1.0	.3					2.3	13.3
S	.9	1.7	1.4	1.7	1.7	.1					1.3	11.4
SSW	.8	.8	.9	1.7	.4						1.0	12.3
SA	.3	.7	.8	.6	.7	.1					1.3	13.0
WSW	.2	.7	.8	.4	.1						1.3	8.7
W	.7	.7	1.0	1.2	.3						3.4	17.6
WNW	.8	1.7	.8	.8	.2	.1					1.7	7.3
NW	.4	.3	.9	.8	.3	.4	.1				1.4	12.8
NNW	.8	.4	1.8	3.5	1.8	1.2					2.7	14.1
VARBL												
CALM												
	5.2	12.0	21.5	37.5	12.1	6.2	.4	.3			130.0	11.3

TOTAL NUMBER OF OBSERVATIONS

577

2

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAO

# SURFACE WINDS

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

STATION NO. CAFE NEWENHAM AFB AK STATION NAME 73-R2 YEARS 1950-1970  
 CLASS ALL WEATHER  
 CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.3	4.7	10.0	4.5	1.5	.3					21.0	12.6
NNE	.2	2.3	1.4	2.0	.5	.4	.3					7.5	11.4
NE	.1	.5	.6	.3								1.3	7.4
ENE	.1	.1	.5	.2								.3	3.1
E	.1	1.1	.9	2.2	.1	.7	.3					5.7	12.4
ESE		.4	1.2	3.2	.9	.4	.4					6.5	14.7
SE	.1	.3	.7	3.4	1.7	.5	.1					6.2	14.9
SSE	.2	.7	1.1	2.5	.9	.7						5.7	12.7
S	.7	.7	3.3	2.4	1.2	.4						7.7	12.5
SSW	.2	1.7	1.2	1.0	.1							3.5	9.3
SW		.3	.6	.1	.2	.3						1.7	13.1
WSW		.5	.9	.3	.1	.1						1.9	9.3
W		.7	1.5	1.2	.7							3.5	10.1
WSW		.3	.4	.7	.1							1.5	10.9
W	.7	.7	1.2	1.4	.4	.7	.1					5.7	11.2
WNW	.7	1.9	1.4	5.6	2.4	.5	.3					12.7	13.3
WNW												4.5	
W													
W	4.0	13.3	21.1	36.7	13.0	5.4	1.7					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 479

WINDSPEED MEASUREMENTS MADE AT 10 METERS ABOVE SURFACE UNLESS OTHERWISE NOTED

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73-82 CAPE NEWENHAM AFB AK

73-82

OUT  
 1973-1982

ALL WEATHER  
 CLASS

CONDITION

SPEED KNT DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	1.2	2.4	5.9	11.3	3.7	1.6	.2	.1				6.3
NNE	.4	1.7	2.3	.9	.4	.4	.7	.1				5.3
NE	.1	.2	.4	.1								3.3
NNE	.1	.4	.6	.5								3.4
E		1.3	2.3	1.2	.4							4.3
ESE		1.7	.7	1.7	1.2	.4	.5	.1				5.3
SE		.7	1.7	1.3	.7	.5						4.5
SSE		.7	1.7	2.1	.7	.5						7.7
S	.4	.6	1.8	3.7	.5	.5						7.6
SSW		.5	1.7	.4	.5	.7						7.4
SW		.7	.7	1.7	.7	.7						11.2
WSW		.7	.6	.2	.1							11.1
W	.1	.5	1.5	1.5								3.3
WNW	.4	.4	.7	.9	.1	.1						7.1
NW	.4	.5	2.0	1.7	.1		.1					4.3
NNW	.5	.3	2.2	5.4	2.3	1.2	.2					13.4
VARBL												3.3
CALM												
	3.7	11.3	24.1	35.3	11.3	5.5	2.0	.4				170.0

TOTAL NUMBER OF OBSERVATIONS

516

2

FEDERAL METEOROLOGICAL SERVICE  
 U.S. AIR FORCE  
 WEATHER SERVICE/MAO

**SURFACE WINDS**

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

STATION: CAPE NEWENHAM AFB AK      YEARS: 73-74, 77-82  
 CLASS: ALL WEATHER  
 MONTH: JANUARY  
 YEAR: 1973

WIND DIRECTION	1-3	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	5.5	7.4	7.4	7.1						2.2	15.1
NNE	.5	1.3	3.7	1.8	.3	1.1	.5					6.5	12.5
NE	.3	1.2	.1	.1								1.8	4.7
ENE	.4	.4	.8	.5	.1							2.3	5.2
E	1.1	1.5	.8	.8	.1	.1						4.3	7.6
ESE	.5	.7	1.5	2.8	.7	.5	.3					7.5	14.7
SE	.1	.7	.7	2.4	1.1	.7	.1					5.3	14.5
SSE	.1	1.1	.5	1.7	.4	.1						3.5	11.1
S	.3	1.1	2.0	2.8	.7	.5	.1					7.5	12.7
SSA	.3	.4	1.2	.4	.7	.1						3.5	10.1
SW	.1	1.1	.2	.9		.1						3.1	9.5
WSW	.2	.4	.3	.3	.1							1.3	5.2
W	.1	.4	.3	.5								1.9	6.9
WSA	.1	.7	.8	.9	.1							2.7	10.2
NW	.1	1.1	1.2	2.4	.1	.1	.1					5.3	11.1
NNW	.7	.7	1.8	3.9	2.8	1.2	.3	.4				11.2	15.5
VARBL												7.3	
CALM													
	4.7	15.7	21.4	31.5	12.6	6.7	2.5	.4				177.3	11.4

TOTAL NUMBER OF OBSERVATIONS 742

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

73030 CAPE NEWENHAM AFS AK

73-82

007

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

100-2100

CLASS

NUMBER

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		1.4	3.0	7.2	3.6	1.3	.3	.1				10.3	14.3
NNE	.4	1.5	3.3	1.8	.5	1.3	.4					7.4	12.4
NE	.5	1.5	.3									7.5	8.7
ENE	.9	.3	.8	.4								7.5	8.4
E	.9	1.5	2.4	.3	.4	.1						8.6	9.1
ESE	.5	.8	1.1	1.9	.1	.4	.3					8.2	11.8
SE	.5	1.1	.9	2.4	1.4	.3	.5					7.4	13.4
SSE	.3	1.7	1.7	1.6	.7	.4						8.4	10.5
S	.5	1.7	2.7	1.9	1.4	.3	.1					7.7	11.5
SSW		.4	2.7	1.5	.3	.1						4.3	10.8
SW	.1	.3	1.1	.4	.1		.3					2.5	10.5
WSW	.1	.4	.3	.4								1.1	8.1
W	.3	.4	1.1	.5	.1							2.7	8.8
WNW		.7	.5	1.4	.4							3.3	10.7
NW	.3	.5	1.5	1.5	.6	.4						4.9	12.1
NNW	.1	.5	2.7	3.7	2.2	1.7	.3					7.1	14.9
VARBL												5.4	
CALM													
	5.7	16.7	23.6	27.1	11.3	5.4	2.7	.1				100.3	10.7

TOTAL NUMBER OF OBSERVATIONS

780

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

**SURFACE WINDS**

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

STATION NO. CAPE NEWENHAM AFB AN  
STATION NAME

73-82

DOT

ALL WEATHER

MONTH

CLASS

ALL

PERIOD

CONDITION

DIR	1-3	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	4.7	8.9	4.1	1.6	.2	.1				1.5	15.4
NNE	.3	1.9	2.2	1.8	.6	.5	.3	.1				7.5	12.7
NE	.4	.9	.6	.3	.7							2.2	8.8
NENE	.4	.5	.7	.4	.7							2.3	7.3
E	.6	1.5	2.1	1.4	.3	.7	.7					5.2	9.3
ESE	.3	.6	1.5	2.4	.9	.6	.3	.3				6.7	13.5
SE	.4	.7	1.0	2.3	1.7	.4	.7					6.7	13.5
SSE	.3	1.4	1.7	2.1	.7	.3						5.7	11.2
S	.5	1.1	1.9	2.5	.9	.3	.0					7.4	11.7
SSW	.2	.7	1.3	1.1	.4	.1						3.7	13.5
SW	.1	.7	.6	.5	.2	.1	.3					2.0	13.3
WSW	.1	.4	.5	.5	.1	.3	.0					1.5	17.1
W	.2	.5	1.7	1.7	.7							2.7	9.9
WNW	.2	.7	.6	.9	.1	.1	.7					2.5	17.2
W	.3	.7	1.3	1.5	.3	.2	.1					4.4	11.3
WNW	.3	.5	1.5	3.9	2.4	1.1	.1	.3				17.1	14.7
VARBL												6.5	
CALM													
	5.2	14.6	22.7	31.6	12.2	5.6	1.4	.2				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

5377

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/4AC

**SURFACE WINDS**

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

7 3000 STATION NAME CAPE NEWENHAM AFS AK 73-52 YEARS NOV MONTH 1957-1958 CLASS ALL WEATHER

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	1.9	5.3	2.4	1.7	.8					10.6	14.4
NNE	.5	1.7	1.5	2.5	1.7							6.7	13.7
NE	.8	1.4		.6	.2							2.7	7.2
ENE	.3	.6	.2	.8								1.7	5.5
E	.5	1.7	1.9	1.6	.7	.1						4.7	13.7
ESE	.2	.7	1.3	4.4	1.9	1.7	.5	.3				13.2	15.5
SE	.5	.5	1.7	2.5	.9	1.4	.8	.8				3.4	17.5
SSE	.5	2.5	1.9	1.9	1.7	1.7	.3					7.3	13.5
S	.5	1.4	1.9	3.4	1.5	.8	.5					17.4	13.3
SSW	.7	1.7	1.4	1.5	.1	.3	.2					5.3	13.3
SW	.2	.3	1.1	.5	.3	.1						2.7	13.7
WSW	.1	.3	.7	.3								1.5	5.7
W	.2	.5	.5	.8	.7	.2						2.5	11.6
WNW		.7	.2	.9								1.4	11.9
NW	.2	.1	.9	.7	.3	.5						2.6	13.7
NNW	.1	.7	.7	1.5	1.7	1.8	.1					6.3	16.9
VARBL												10.1	
CALM													
	5.8	13.7	15.5	29.2	12.5	9.2	3.1	1.1				100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 679

FEDERAL CLIMATOLOGY BRANCH  
 WAFSTAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

735000 CAPE NEWENHAM AFB AK  
 STATION STATION NAME

73-82  
 YEAR

NOV  
 MONTH  
 700-150  
 HOURS

ALL WEATHER  
 CLASS

CONDITION

DIR	3-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.0	1.8	1.5	0.4	1.5	1.5	.1				13.7
NNE	.0	.7	1.1	1.4	1.3	.7					5.3
NF	.0	.6	.6	.3	.7						2.1
ENE	.6	.7	.5	.1							1.7
E	1.4	1.5	1.9	1.7	.7						7.2
ESE	1.1	.7	1.1	3.7	1.4	1.5	.2	.5	.1		10.7
SE	.3	.7	1.1	1.8	.8	1.1	1.1	.9	.1		6.1
SSE	.9	1.3	.8	1.5	.5	1.7	.1	.7	.1		6.3
S	.5	.7	3.1	3.8	2.7	1.7	.1	.1			11.3
SSE	.0	1.4	1.9	1.3	.6	.3	.1				5.3
SW	.1	.7	.7	1.1	.1						2.3
WSW	.7	.7	.9	.5	.7						2.3
W	.5	.7	.7	.5							2.1
WSW	.7	.7	.6	.3							1.3
SW	.3	.5	.6	1.7	.7	.1					3.3
WSW	.1	.7	.7	1.8	1.4	1.7	.7				5.5
WSW											9.5
TOTAL	7.5	13.2	17.6	25.4	13.0	9.7	2.1	1.5	.3		100.0

TOTAL NUMBER OF OBSERVATIONS

876

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

**SURFACE WINDS**

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

STATION NO. CAPT NEWENHAM AFB AK  
 STATION NAME

73-82  
 YEARS

NOV  
 MONTH  
 1973  
 YEAR

ALL WEATHER  
 CLASS

CONDITION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.4	1.6	4.4	2.3	1.4	.8					11.6	14.1
NNE	.7	1.5	1.8	2.7	.5							7.5	17.2
NE	.3	.9	.7	.3	.1	.1						2.5	8.7
ENE	.1	.3	.3	.1								.9	5.6
E	.5	.8	1.7	2.7	.6							7.3	11.2
ESE	.3	.6	1.7	3.2	1.5	1.7	.9	.5				9.5	17.7
SE	.7	1.1	1.1	1.5	.9	1.7	1.5	.7				9.2	17.7
SSE	.5	1.8	1.4	.9	1.7	.9	.1	.5				7.7	13.3
S	.5	2.7	1.8	4.3	2.3	.9	.3					12.3	13.3
SSW	.5	.5	1.7	1.3	1.1	.7						5.3	12.4
SW	.1	.3	.7	.5	.7							1.7	17.1
WSW		.7	.5	.3		.1						1.6	8.6
W	.3	.5	.5	.5								1.7	7.6
WNW	.3	.3	.7	.1	.1							1.1	7.3
NW	.3	.5	.3	.5	.7	.3						2.5	11.3
NNW	.7	.6	.9	3.1	1.2	.9	.2					7.2	14.3
VARBL												9.5	
ATM													
	6.2	14.2	15.6	26.7	12.8	8.1	3.7	1.5				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

e 9

CEPHAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: CAMP NEWENHAM AFS AK YEARS: 73-80 MONTH: NOV  
 STATION NAME: CAMP NEWENHAM AFS AK CLASS: ALL WEATHER PERIOD: 200-1100  
 TIME ZONE: AKST

	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
ALL	.2	1.4	3.1	4.5	2.8	1.7	.1				12.7	14.1
NNE	.2	1.4	2.4	1.5	.8						8.3	9.3
N	1.0	.6	.5	.3	.1						2.6	5.9
NNE	.3	.6	.7	.2							1.8	6.3
E	.3	1.8	2.1	3.8	.7	.2					9.0	10.4
ESE	.1	1.1	1.7	3.7	1.1	1.3	1.5	.3			11.4	17.2
E	.6	.3	1.2	1.5	.8	1.5	.5	1.1	.2		7.7	19.4
SSE	.6	1.4	1.5	1.8	1.7	.8	.7	.3		.1	5.1	15.1
S	.7	1.2	1.7	4.2	1.5	1.3	.5				17.4	13.7
SSW		.5	1.4	1.9			.1				3.3	11.4
SW	.2	.5	.3	.1							1.1	8.4
WSW	.3	.5	.3	.1	.1						1.4	7.1
W	.3	.5	.5	.5	.1	.1					2.0	9.7
WNW	.1	.2	.1	.2	.2	.1	.1				1.1	14.3
NW	.1	.5	.6	1.4	.2	.1					2.8	11.8
NNW	.7	.1	.7	2.1	1.7	1.5	.1				5.2	16.4
VARBL											11.6	
CALM											11.6	
	5.2	12.0	18.8	27.9	9.9	8.9	3.5	1.8	.2	.1	100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 085

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 1080 CAPE NEWENHAM AFD AK  
STATION STATION NAME

73-82  
YEARS

NOV  
MONTH  
 1300-1400  
HOURS LIST

ALL WEATHER  
CLASS

CONDITION

WIND D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.4	3.3	4.8	2.6	.5	.2					15.3	12.4
NNE	.7	.9	1.1	1.8	.7	.3						5.3	13.1
NE	.7	.8	.7	.6	.1							2.8	7.4
ENE	.6	.3	.3	.5	.1							1.8	7.9
E	1.0	1.4	2.7	3.2	1.7	.3						9.7	15.7
ESE	.5	.5	1.6	4.9	1.6	1.7	.7	1.0				12.5	17.5
SE	.3	.1	.7	.9	.7	1.5	.3	.5	.1			5.9	15.5
SSE	.7	1.7	1.8	1.8	1.5	1.1	.3	.1	.1			8.2	14.2
S	.7	1.1	2.3	3.1	1.5	.9	.6	.1				15.2	13.7
SSW	.1	.3	.7	1.4	.1							2.8	17.7
SW	.1	.5	.6	.1	.3							1.2	7.2
WSW		.7	.3	.1								.7	9.5
W	.1	.5	.8	.3				.2				1.8	11.7
WNW	.8			.7	.1		.1					1.7	11.5
NW		.7	1.7	2.7	.3	.3	.1					4.2	12.4
NNW	.7	.3	.8	1.2	1.1	1.4	.7					8.7	15.7
VARBL													
CALM												11.5	
	7.3	10.1	18.7	26.9	11.9	8.2	3.7	2.0	.7			100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

58

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

**SUPFACE WINDS**

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

7 8057 CAPE MCHENHAM AFS AK  
 STATION STATION NUMBER

73-82

NOV  
 MONTH  
 1960-1960  
 YEARS

ALL WEATHER

CLASS

CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.8	2.3	3.8	3.2	1.5	.5					13.3	14.2
NNE	.8	1.4	1.3	1.8	.5							5.7	7.7
NE	.7	.5	.4	.8	.1							2.7	7.5
ENE	.5	.7	.1	.4								1.9	5.7
E	1.0	1.7	1.3	2.8	.6							7.8	9.7
ESE	.5	.5	1.5	3.8	1.8	1.7	.5	.5	.1			17.5	15.5
SE	.4	.3	.9	2.0	1.4	1.1	1.1	.8				7.9	17.2
SSE	.9	1.5	.4	1.8	1.5	1.7	.8	.4				8.2	15.6
S	.6	1.7	2.2	3.7	1.5	.4	.8					9.8	17.2
SSW	.8	.4	1.3	.9	1.7	.1	.1					4.5	11.8
SW	.1	.4	.5	.1	.3							1.4	7.5
WSW	.1	.1	.5	.7	.1							1.1	10.7
W	.3	.6	.4	.5	.1		.1	.1				7.2	11.5
WNW	.1	.1	.8	.6	.1		.1					1.9	12.7
NW	.3	.3	.8	1.5	.5							3.3	12.5
NNW	.1	.4	1.3	1.8	1.8	1.3	.5					6.5	15.6
VARRL													
CALM												11.2	
TOTAL	7.6	12.7	15.5	25.7	14.6	6.5	4.6	1.6	.1			100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

789

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/HAC

**SURFACE WINDS**

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

7 3001 CAPE NEWENHAM AFS AK  
STATION

73-75,77-82

NOV

ALL WEATHER

1977-01-30

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	1.1	1.8	4.5	2.5	1.4	.4					11.9	14.8
NNE	.8	2.5	1.1	1.6	.5							5.5	8.8
NE	.1	.8		.5	.1							1.5	3.2
ENE	.1	1.1	.8	.4								1.1	5.1
E	.3	2.5	2.7	2.5	.4	.1						7.1	7.5
ESE	.3	.5	.8	2.6	2.2	1.2	.7	.3	.3			3.9	15.1
SE	.5	1.7	1.2	1.4	1.9	2.2	1.4	.3				4.8	18.3
SSE	1.2	2.7	.7	1.8	.5	1.4	.5					3.2	12.1
S	.5	1.5	1.8	4.2	.3	.7	.5	.3				10.4	13.7
SSW	.3	.7	1.1	1.5	1.7	.3	.1					4.4	12.8
SW		.8	1.0	.5	.3	.1						2.7	11.8
WSW	.1	.5	1.0	.7	.3							3.5	10.4
W		.7	.3	.4	.3	.5	.1					2.3	14.2
WNW		.7	.5	.3	.3							1.5	7.1
NW		.5	.5	.5	.5	.5						2.7	14.6
NNW	1.7	.5	.5	1.6	1.1	1.4	.4					6.3	15.1
VARBL												7.5	
CALM													
	6.1	17.5	15.7	25.3	12.7	9.8	4.2	.8	.3			100.1	12.4

TOTAL NUMBER OF OBSERVATIONS

771

2

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 0550 CAPE NEWENHAM AFS AK  
STATION STATION NAME

73-82  
YEARS

NO. OF  
 MONTHS  
 11 0-1500  
NUMBER OF

ALL WEATHER  
CLASS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.9	2.2	2.2	4.4	2.9	1.1	.4					14.1
NNE	.1	1.7	2.7	1.5	.7							8.5
NE	.1	.7	.1	.5	.1							1.5
ENE	.3	.7		.1	.1							1.2
E	.9	1.3	1.1	2.3	.7							5.3
ESE	.7	.4	1.3	4.6	1.7	1.2	.4	.4				10.3
SE	.7	.4	.9	2.0	.7	.8	1.5	1.1				8.1
SSE	.9	1.5	.8	1.6	.8	1.5	.5					7.5
S	.4	1.5	2.3	3.6	1.9	1.3	.5					11.5
SSW	.3	.7	1.5	1.9	.5	.7	.1					5.7
SW	.1	.7	.8	.7	.4							2.7
WSW	.1	.3	.8	.9	.3							2.4
W	.5	.7	.5	.7	.5	.3	.1					3.4
WNW		.3	.4									.7
NW		.3	.5	.5	.5	.4						2.3
NNW	.3	.7	.7	1.3	2.7	1.7	.3					7.0
VARBL												9.3
CALM												
	5.0	13.7	16.0	26.9	13.8	8.9	3.9	1.5				100.0

TOTAL NUMBER OF OBSERVATIONS

744

USAF/ETAC 1 PM 11 04 1973 11 04 1973 11 04 1973 11 04 1973

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20540  
 ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

CAPE NEWENHAM AFB AK

77-6

ALL WEATHER

	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	55-61	62-69	70-77	78-85	86-93	94-100	MEAN WIND SPEED
N	.0	1.0	2.7	4.6	7.2	1.4	.3									10.2
NW	.5	1.3	1.5	1.9	.8	.1										6.1
NE	.5	.8	.4	.5	.7	.7										6.3
ENE	.4	.7	.3	.3	.7	.7										1.7
E	.8	1.5	1.9	2.7	.7	.1										7.5
ESE	.4	.5	1.3	3.9	1.7	1.4	.7	.5	.1							12.6
SE	.5	.5	1.7	1.7	1.7	1.4	1.1	.3	.1							5.1
SSE	.8	1.7	1.7	1.6	1.7	1.7	.5	.7	.1							7.8
S	.5	1.4	2.1	3.8	1.7	.5	.5	.1								12.7
SSW	.4	.5	1.3	1.5	.5	.2	.1									4.7
SW	.1	.5	.7	.5	.7	.7										1.7
WSW	.1	.4	.6	.4	.1	.7										1.7
W	.7	.5	.5	.5	.7	.1	.7									2.7
WNW	.2	.3	.3	.4	.1	.7	.7									1.4
NW	.1	.4	.7	1.7	.5	.7	.7									3.3
NNW	.3	.5	.8	1.8	1.4	1.7	.3									5.5
VARBL																10.1
CALM																10.1
	6.5	13.3	16.6	27.1	12.0	8.5	3.6	1.5	.2	.2					122.0	12.4

TOTAL NUMBER OF OBSERVATIONS

1651

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE / MAC

**SURFACE WINDS**

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

7 1950 CAPE NEWENHAM AFS AK  
 STATION STATION NAME

73-82  
 YEARS

01  
 MONTH  
 1950-1950  
 YEARS

ALL WEATHER  
 CLASS

CONDITION

DIR	1-3	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	1.9	2.3	4.9	2.3	1.0	.3					14.6	12.4
NNE	.5	.9	1.4	1.5	.1							4.3	9.7
NE	.6	.9	.3	.1	.4							2.7	8.7
NENE	.4	.4	1.0	.2	.2							2.7	7.9
E	.7	.9	1.5	2.2	1.4	.5	.3					7.5	13.7
ESE	.4	.4	.3	3.3	1.8	1.5	2.3	.5				17.4	19.5
SE	.5	.9	.9	1.9	1.8	1.5	1.4	.4				9.7	18.1
SSE	.2	1.1	.5	2.1	2.2	2.2						8.4	16.3
S	.4	1.7	1.8	1.1	2.3	.5						9.7	13.1
SSE	.2	.3	.5	.4	.1	.1						1.5	13.7
SW	.1	.4	.9	.3								1.8	8.3
WSW	.5	.1	.7	.3								1.7	7.3
W	.8	.2	.4	1.1	.1	.2						2.7	10.7
WNW		.1	.2	.4	.4							1.2	14.3
NW	.1	.1	.5	.8	.3	.1						2.7	12.7
NNW	.2	.7	.3	1.7	1.3	.9	.1					4.8	15.7
VARBL												16.3	
CALM													
	7.2	9.7	13.6	24.2	14.9	8.7	4.2	1.0				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

929

CENTRAL CLIMATOLOGY BRANCH  
 OF AFMTC  
 ALL WEATHER SERVICE/HAC

**SURFACE WINDS**

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

STATION: CAFE WERLHAM AFB AR      YEARS: 73-82      DATE: DEC 73-82

CLASS: ALL WEATHER      MONTH: 73-82

CONDITION:

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.4	2.1	5.5	2.7	1.1			.1			14.9	12.6
NNE	1.2	1.7	1.1	1.5	.3							5.2	8.4
NE	.4	.1	.3	.2	.1							1.8	2.1
NENE	.7	.4	.3	.4	.1							2.7	7.4
E	1.1	.5	1.1	3.1	1.4	1.3	.2					8.5	13.6
ESE	.4	.4	.2	3.5	2.4	1.8	1.1	.1	.2			13.2	18.4
SE	.7	.7	.3	2.2	2.1	2.5	.8	.7	.1			9.7	19.7
SSE	.7	1.2	.7	1.2	2.1	1.4	.1					7.4	14.5
S	1.1	.9	1.8	4.2	1.5	.8	.1					17.3	12.8
SSW		.4	.7	.3	.2	.1						2.7	13.4
SW		.3	.4	.7	.1							1.1	7.7
WSW	.1	.7	.4	.1	.1							1.9	5.1
W	.5	.3	.3	.9	.4	.1						2.5	10.7
WNW	.1	.3	.3	1.1	.2							2.5	11.7
NW	.2	.1	.2	1.1	.9	.4						3.5	14.3
NNW	.7	.7	.4	.5	.9	1.1						3.3	14.3
VARBL												14.3	
CALM												14.3	
	5.5	9.9	11.7	26.1	15.9	10.2	2.3	.8	.4			170.3	11.9

TOTAL NUMBER OF OBSERVATIONS 911

UCAFMTCAL 11-84 AFMTCAL 11-84

2  
 FEDERAL BUREAU OF SURVEILLANCE  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: CAPE NEWENHAM AFB AK

73-82

700

ALL WEATHER

1600-1800

CLASS

NUMBER

CONDITION

DIR	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7	3.1	3.3	2.7	.9	.1				13.5	11.9
NNE	.8	1.7	1.8	2.5	.1						5.7	8.3
NE	.7	.4	.3	.2							1.3	5.7
NENE	.4	.4	.5	.2	.1						1.5	7.1
E	1.7	1.4	1.2	2.7	2.7	1.7	.3	.1			8.3	13.5
ESE	.1	.7	1.4	2.4	2.4	2.7	.7	.7	.1	.1	17.5	16.4
SE	2.7	.1	.8	1.9	2.7	2.3	.8	.5			7.5	15.7
SSE	.5	1.7	1.5	1.9	1.2	1.7		.1			7.5	12.7
S	.1	1.7	1.8	2.5	1.5	.9	.3				11.3	13.4
SSW	.1	.7	.7	.7	.1	.7					2.4	11.5
SW	.1	.3	.7	.4	.1						1.5	11.1
WSW	.7	.1	.3	.4							1.3	11.4
W	.1	.7	.8	1.7	.2	.1					2.7	11.7
WNW		.3	.3	.3	.5	.2					2.2	13.3
NW		.7	.3	.5	.5	.7					2.3	13.5
NNW	.1	.3	.3	1.4	2.7		.7				4.5	16.7
VARBL											14.2	
CA M												
T	5.9	12.2	16.1	22.4	15.9	9.1	2.5	1.4	.1	.1	100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

911

UNCLASSIFIED

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

7 1057 STATION CAPS NEWENHAM AFB AK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

90-1100

CLASS

HTS. LST.

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	1.0	3.5	3.5	4.0	2.1	.7						15.7	15.4
NNE	.4	1.4	1.3	1.3	.3							4.8	8.7
NE	.1	.7	.9	.1								1.7	5.1
ENE	.2	.9	.8	.3								2.2	5.9
E	.9	1.6	1.3	1.9	1.4	1.3	.2	.1				8.7	13.3
ESE	.3	1.7	1.3	3.6	1.6	2.4	.7	.4		.1		11.4	17.3
SE	.4	.5	.5	2.8	2.3	1.7	.9	.1				8.9	15.5
SSE	.9	1.1	2.0	1.1	1.3	.7	.4	.3				8.7	13.7
S	.7	1.7	1.7	2.8	1.5	.8	.1					8.6	13.7
SSW	.1	.3	1.1	.5	.3	.1						2.3	13.9
SW	.2	.7	.4	.7	.7							1.3	12.9
WSW	.2	.7	.4	1.0	.1							2.0	13.7
W	.1	.4	.2	.7	.4							1.9	11.4
WNW	.1	.2	.9	.4	.1							1.7	9.6
NW	.1	.1	.5	1.1	.2	.1	.1					2.5	13.7
NNW	.1	.5	1.0	1.6	1.3	.7	.2					5.3	14.1
VARBL												14.3	
CALM													
	5.9	13.8	17.7	24.0	13.7	7.3	2.2	1.3		.1		100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

915

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

73-1477 CAFE NEWENHAM AFS AK 73-EC 010  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 12-14-73  
CLASS HOUR

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.2	3.7	3.9	1.8							12.7	13.5
NNE	1.1	2.2	1.4	1.7	.1							4.3	7.3
NE	.9	.8	.8	.2								2.2	5.1
ENE	1.1	.4	.3				.1					1.9	5.4
E	1.1	1.2	1.3	2.8	1.8	1.1	.1	.2				9.5	12.7
ESE	.2	.1	1.6	2.7	2.8	1.7	1.4	.4	.7	.1		17.1	17.7
SE	.8	1.7	.8	2.1	2.4	1.7	.2	.1				8.7	14.7
SSE	1.7	1.7	1.4	2.2	1.3	1.7	.1					8.7	12.7
S	.7	.9	1.1	4.1	2.1	.5						9.3	13.2
SSW	.2	.1	1.2	1.3	.7	.2						3.7	12.7
SW			.2	.5	.1							.7	13.7
WSW	.2	.2	.4	.4	.1		.1					1.4	11.8
W	.2	.3	1.7	.4	.2	.2						2.3	11.4
WNW	.7	.4	.2	.3	.3							1.6	9.2
NW		.4	.8	1.1	.3	.2	.2					3.1	13.8
NNW	.1	1.7	1.1	2.3	1.1	.3						6.1	12.4
VARRL													
CALM												14.2	
	7.7	12.4	17.4	24.9	13.6	5.8	2.3	.7	.2	.1		170.3	15.0

TOTAL NUMBER OF OBSERVATIONS 713

USAFETAC 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

710500 CARL NEWENHAM AFS AK

73-92

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS U.S.T.

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	1.4	3.4	3.0	4.8	2.7	.8						13.7	11.3
NNE	.5	1.4	2.0	.8								5.7	7.4
NE	.3	1.7	.5	.1	.1							2.5	7.3
ENE	.5	.5	.1	.1	.3							1.5	7.1
E	1.1	.3	2.0	2.8	1.5	2.1						10.3	13.7
ESE	.9	.1	1.4	2.8	2.3	.9	1.0				.1	9.4	15.1
SE	1.4	.3	.5	2.8	1.8	1.1	.5	.1	.1			9.3	15.0
SSE	.8	1.3	1.6	1.9	2.7	1.7	.1					8.7	12.9
S	.4	1.7	1.6	3.3	3.7	.0	.1					10.3	14.4
SSW		.1	.5	.5	.1	.4						1.5	14.2
SW		.1	.9	.3		.3						1.5	11.0
WSW		.5	.5	.5		.1						1.8	11.1
W	.4	.4	.4	.4		.4	.1					2.7	11.8
WNW	.3			1.0	.1	.1						1.5	12.9
NW	.1	.3	.8	1.1	.3		.1					2.5	11.8
NNW		.6	1.1	2.4	2.7	.3						6.4	14.2
VARBL												12.3	
CALM													
	7.9	11.5	17.1	25.0	15.4	8.3	2.1	.1	.1		.1	100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

NO. 0050 CAPE NEWENHAM AFS AK 73-74,77-82 010  
 STATION MONTH  
 ALL WEATHER 1800-1800  
 CLASS HOURS:GMT

ALL WEATHER

CONDITION

DIR	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	2.4	3.1	5.8	1.1	.0	.0					14.2	15.0
NNE	.0	1.7	2.7	1.1								5.5	7.2
NE	.6	1.4	.5	.2	.7							2.7	6.3
ENE	.2	.6	.3	.5								2.5	7.9
E	.8	.6	1.8	3.1	2.4	.7	.7					9.4	13.9
ESE	.7		.8	3.4	2.3	1.7	.5	.3				9.2	17.9
SE	.5	.4	.4	1.4	2.0	2.5	.8	.0				8.7	17.0
SSE	1.1	1.4	1.2	1.5	2.4	1.5	.3	.2				7.5	14.5
S	.0	1.2	2.7	2.6	2.7	1.5	.2					10.7	14.5
SSW	.3	.3	.5	.9	.3	.2						2.6	13.9
SW		.7	.3	.5	.2							1.1	11.9
WSW		.7	.7			.7						.5	12.3
W	.2		.3	.8		.7		.2				1.7	14.9
WNW		.7	.6	.3	.3	.7	.2					1.5	15.3
NW	.2		.7	1.4	.3	.7						2.3	14.3
NNW	.7	.7	.3	2.7	2.1	.7						4.9	15.7
VARRL												13.3	
CALM												13.3	
#	6.1	11.7	14.8	25.2	16.3	10.4	2.3	.6				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 555

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/FAO

**SURFACE WINDS**

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

73-01 CAFE NEWENHAM AFB AK  
 STATION

73-82

DEC

ALL WEATHER  
 CLASS

1100-2300  
 HOURS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.8	5.3	3.4	.4	.1					12.9	13.4
NNE	1.2	1.5	2.1	.9	.4							8.7	8.1
NE	.4	1.7	.3		.1							1.9	5.7
ENE	.6	.7	.7	.4	.3							2.2	5.9
E	.6	1.3	2.7	3.0	1.3	.5	.3					9.3	12.1
ESE	.4	.3	.4	1.9	1.9	2.7	1.2	.1				7.7	13.3
SE	1.0	1.3	1.0	1.6	2.1	2.5	.1					9.3	15.1
SSE	.6	1.7	.7	1.8	1.6	2.4	.3	.1				7.7	16.6
S	.7	1.7	1.5	2.4	3.7	.9	.1					17.5	14.5
SSW	.3	.3	1.7	.9	.3	.1	.1					3.1	12.1
SW		.4	.4	.3								1.2	4.3
WSW	.1	.4	.3									.7	5.3
W	.4	.3	.9	.6	.3	.4						3.3	11.4
WNW	.1	.1	.4	.3		.3						1.3	12.1
NW	.1		.3	.6	.3	.3						1.6	14.7
NNW	.6	.4	.3	1.9	.9	.5	.1					4.7	14.1
VARBL												12.5	
CALM													
	5.1	11.3	15.0	21.9	16.4	11.7	2.7	.3				170.0	12.9

TOTAL NUMBER OF OBSERVATIONS

675

FEDERAL BUREAU OF SURVEY  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION NO. CAPE NEWENHAM AFS AK  
 STATION NAME

73-82

PERIOD

ALL WEATHER

ALL

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.7	2.8	4.6	2.2	.5	.1					17.7	11.4
NNE	.3	1.3	1.6	1.3	.2							3.2	8.1
NE	.4	.6	.6	.1	.1							1.7	6.9
ENE	.5	.5	.5	.3	.1							2.7	7.3
E	.9	1.1	1.6	2.6	1.6	1.1	.2	.7				9.2	13.2
ESE	.4	.4	1.0	3.7	2.1	1.3	1.7	.4	.1	.0	.7	13.1	16.7
SE	.2	.7	.7	2.1	2.1	1.8	.7	.3	.7			9.2	17.7
SSE	.7	1.1	1.2	1.7	1.8	1.4	.2	.1				8.2	14.2
S	.5	1.1	1.6	3.2	2.3	.8	.1					9.6	13.5
SSW	.1	.3	.3	.5	.2	.2	.7					1.3	11.4
SW	.1	.2	.5	.4	.1	.2						1.4	13.5
WSW	.2	.7	.4	.4	.0	.1						1.3	7.9
W	.3	.3	.5	.7	.7	.2		.7				2.4	11.3
WNW	.1	.7	.4	.6	.3	.1		.7				1.9	12.7
NW	.1	.7	.6	1.7	.4	.2	.1					2.5	13.6
NNW	.2	.5	.5	1.7	1.4	.4	.1					5.2	14.5
VARIABLE													
CALM												14.1	
TOTAL	7.2	11.5	15.5	24.2	15.2	8.8	2.5	.8	.1	.0	.7	100.3	11.5

TOTAL NUMBER OF OBSERVATIONS

5682

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CENTRAL CLIMATOLOGY BRANCH  
 WASHINGTON  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION CAPE NEWENHAM AFS AK  
 STATION NAME

73-82  
 YEARS

ALL MONTHS  
 ALL YEARS

ALL WEATHER  
 CLASS

COND TYP

DIR	1-3	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	2.3	3.3	1.5	.7	.1	.4	.1			1.1	11.5
NNE	.5	.7	.8	.5	.7	.1	.7	.4				3.1	7.5
NE	.4	.5	.3	.1	.7	.7						1.4	6.3
ENE	.4	.5	.5	.2	.7	.7						1.7	5.8
E	.2	1.3	1.9	1.8	.5	.3	.1	.7				6.9	11.5
ESE	.4	.7	1.7	2.8	1.8	1.4	.5	.2	.7	.7	.7	9.8	15.6
SE	.5	.7	1.4	2.1	1.4	1.7	.5	.7				8.7	17.1
SSE	.5	1.4	1.3	2.4	1.3	.8	.2	.7	.7	.7		1.7	12.8
S	.8	1.7	2.4	3.4	1.4	.5	.1	.7				10.3	11.9
SSW	.7	.7	1.2	1.7	.3	.1	.7					3.3	17.3
SW	.1	.4	.7	.5	.7	.7	.7					1.4	5.8
WSW	.1	.4	.7	.4	.1	.7	.7	.7				1.8	9.2
W	.3	.3	1.1	.8	.1	.7	.7	.7				3.2	8.9
WNW	.3	.7	1.3	.7	.1	.7	.7					2.8	8.7
NW	.5	.7	1.2	1.7	.2	.1	.7					3.9	7.8
NNW	.3	1.2	1.4	2.1	1.1	.5	.1	.7				7.2	11.7
VARBL												14.6	
CALM													
	8.1	14.7	23.7	23.3	10.3	5.7	1.9	.5	.1	.3		100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

7273

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAAC

**SURFACE WINDS**

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

73-82 CAPE NEWENHAM AFB AK

73-82

ALL  
MONTH  
ALL  
YEARS 1973

INSTRUMENT

CLASS  
DIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION  
AND/OR VSBY 1/2 TO 2-1/2 MI +/DIG 200 FT OR MORE

WIND DIRE CTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.7	2.2	2.9	1.4	.6	.2	.0	.0	.0	.0	1.3	11.8
NNE	.5	.7	.5	.4	.7	.7	.7	.0	.0	.0	.0	7.4	5.4
NE	.3	.3	.3	.1	.7	.7	.7	.0	.0	.0	.0	1.0	5.4
ENE	.2	.3	.4	.2	.7	.7	.7	.0	.0	.0	.0	1.1	5.7
E	.3	.7	1.3	1.5	.5	.3	.1	.3	.0	.0	.0	4.5	11.8
ESE	.1	.4	1.2	2.4	1.7	1.3	.7	.2	.0	.0	.0	8.4	17.7
SE	.3	.5	1.3	2.5	1.5	1.2	.5	.2	.0	.0	.0	5.7	15.5
SSE	.3	.9	2.1	3.3	1.9	1.1	.3	.1	.0	.0	.0	7.9	14.5
S	.5	1.5	3.2	4.5	2.2	.8	.2	.7	.0	.0	.0	11.1	15.7
SSW	.3	.7	1.5	1.5	.5	.2	.7	.0	.0	.0	.0	4.2	11.8
SW	.7	.5	.3	.4	.7	.1	.3	.0	.0	.0	.0	2.5	12.7
WSW	.1	.5	1.3	.7	.1	.3	.7	.0	.0	.0	.0	7.5	13.7
W	.4	1.7	1.8	1.3	.2	.1	.7	.3	.0	.0	.0	4.7	9.5
WNW	.3	.7	1.5	1.7	.1	.1	.7	.0	.0	.0	.0	3.3	9.7
NW	.3	1.1	1.5	1.3	.3	.1	.7	.0	.0	.0	.0	4.5	9.5
NNW	.7	1.2	1.6	2.5	1.2	.5	.7	.0	.0	.0	.0	6.7	11.5
VARBL												17.2	
CALM													
	5.8	12.9	22.2	27.3	12.3	6.5	2.3	.5	.7	.7	.0	100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 2639

## 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	> 2 1/2	> 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	> 1/8	> 0	
> 1500					91.0												92.6
> 1000																	
> 500										97.4							98.1
> 100					95.4		96.9			98.3							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.









WINDY HARBOR BRANCH  
165740  
WINDY HARBOR BRANCH

# CEILING VERSUS VISIBILITY

1445 - 1500 HAY, ASS. AM

70-10

REPORT MADE AT THE OFFICE OF THE  
WINDY HARBOR BRANCH

29.7	30.3	30.7	31.0	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6	36.8	37.0	37.2	37.4	37.6	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.4	61.6	61.8	62.0	62.2	62.4	62.6	62.8	63.0	63.2	63.4	63.6	63.8	64.0	64.2	64.4	64.6	64.8	65.0	65.2	65.4	65.6	65.8	66.0	66.2	66.4	66.6	66.8	67.0	67.2	67.4	67.6	67.8	68.0	68.2	68.4	68.6	68.8	69.0	69.2	69.4	69.6	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.4	71.6	71.8	72.0	72.2	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6	78.8	79.0	79.2	79.4	79.6	79.8	80.0	80.2	80.4	80.6	80.8	81.0	81.2	81.4	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.2	86.4	86.6	86.8	87.0	87.2	87.4	87.6	87.8	88.0	88.2	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4	95.6	95.8	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.4	97.6	97.8	98.0	98.2	98.4	98.6	98.8	99.0	99.2	99.4	99.6	99.8	100.0
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TOTAL NUMBER OF OBSERVATIONS 920

SYNOPTIC BY BRANCH  
NO. 1

# CEILING VERSUS VISIBILITY

STATION: ...

DATE: ...

SYNOPTIC ...

30.7	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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STATION NUMBER: ...

CEILING VERSUS VISIBILITY

2

WASH DC METAR  
 WASHINGTON, DISTRICT OF COLUMBIA

73-75,77-87

PERCENT OF TIME WHEN VISIBILITY WAS EQUAL TO OR GREATER THAN THE CEILING

73-75,77-87

25.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
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TOTAL NUMBER OF OBSERVATIONS 687

WASH DC METAR

# CEILING VERSUS VISIBILITY

UNITED STATES BUREAU OF METEOROLOGY

WASHINGTON, D. C. 20541

TABLE 1. - CONVERSION TABLE

73-74, 75-57

34

UNITED STATES BUREAU OF METEOROLOGY  
WASHINGTON, D. C. 20541

1-57

1	30.0	34.3	37.0	37.7	37.8	38.0	38.3	38.5	38.7	38.8	39.0	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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WORLD CLIMATE DATA CENTER  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

CAPE NEWENHAM APTS. LA

73-12

88

PERCENTAGE FREQUENCY OF OCCURRENCE  
OF VISIBILITY AT CERTAIN CEILING

ALL

1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0	40.0
41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0	60.0
61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1506

WORLD METEOROLOGICAL SERVICE  
METEOROLOGICAL SERVICE  
WORLD METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

2

CAPE NEWENHAM AFB AK

73-

WORLD METEOROLOGICAL SERVICE  
METEOROLOGICAL SERVICE

73-20

34.3	43.3	44.1	45.3	45.4	45.4	46.4	45.4	45.4	45.5	46.5	46.5	45.5	45.5	45.5	45.5
34.7	43.3	44.5	45.5	45.7	45.7	46.7	47.3	47.3	47.2	47.2	47.2	47.2	47.2	47.2	47.2
34.7	43.7	44.5	45.8	45.9	45.9	46.9	47.7	47.7	47.7	47.2	47.2	47.2	47.2	47.2	47.2
35.7	44.2	45.7	47.2	47.3	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
35.2	44.2	45.7	47.2	47.3	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
35.2	44.2	45.7	47.2	47.3	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
35.5	45.6	45.5	45.7	45.7	45.7	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
37.1	45.3	47.7	49.6	49.7	49.7	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
37.7	47.1	47.9	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
37.8	48.3	49.7	51.7	51.8	51.8	51.9	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2
37.5	45.4	51.3	52.7	52.8	52.8	53.0	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
37.5	49.7	51.8	53.1	53.2	53.2	53.3	53.3	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6
40.4	51.5	51.4	53.7	54.7	54.7	54.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4
41.5	51.9	52.2	54.6	54.9	54.8	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
42.4	52.7	54.4	55.6	55.9	55.9	57.1	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3
43.1	53.7	54.4	55.2	54.6	53.6	54.9	56.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
44.3	55.4	57.1	58.4	57.2	56.5	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3
45.4	55.0	54.5	53.0	53.6	53.6	53.9	54.1	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8
45.5	58.4	57.0	53.4	54.7	54.0	54.3	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3
46.4	59.8	57.5	55.7	56.8	56.8	57.5	58.0	58.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5
47.1	51.3	53.6	71.1	71.2	71.2	72.2	72.3	72.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
48.4	54.4	57.1	73.4	74.9	74.9	76.3	76.4	76.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
49.3	56.1	57.7	75.7	77.6	77.6	79.7	79.7	79.7	80.6	80.6	80.6	80.6	80.6	80.6	80.6
49.5	57.5	71.5	76.1	80.1	80.1	81.7	82.3	82.4	83.3	83.3	83.3	83.3	83.3	83.3	83.3
50.5	59.2	73.7	80.7	82.6	82.6	85.1	85.6	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6
51.5	57.7	74.7	81.6	83.8	83.8	86.9	87.4	87.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4
51.4	71.1	75.1	83.8	85.5	85.5	89.7	91.8	91.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2
51.4	71.2	75.6	84.4	87.3	87.5	92.2	93.6	94.0	95.5	96.3	96.3	96.3	96.3	96.3	96.3
51.4	71.2	75.6	84.4	87.3	87.5	92.2	94.2	94.6	96.0	97.7	97.7	97.7	97.7	97.7	97.7
51.4	71.3	75.7	84.7	87.7	88.2	92.8	94.6	95.0	96.4	97.6	97.6	97.6	97.6	97.6	97.6
51.4	71.3	75.7	84.7	87.9	88.2	93.2	95.0	95.4	97.4	98.6	98.6	98.6	98.6	98.6	98.6

WIND VELOCITY MARCH  
1950  
LAFAYETTE, MISSISSIPPI

# CEILING VERSUS VISIBILITY

LAFAYETTE, MISSISSIPPI

73-5

WIND VELOCITY MARCH  
1950  
LAFAYETTE, MISSISSIPPI

47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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WIND VELOCITY MARCH 1950 LAFAYETTE, MISSISSIPPI

PALE CLIMATE BUREAU  
F. I. L.  
LITHO IN BRITAIN

CEILING VERSUS VISIBILITY

SCALE IN FEET

12-7

WINDS OF FORCE 12 OR MORE  
AT ANY TIME

33.7	41.4	41.5	44.5	44.6	44.9	45.5	46.1	46.7	46.3	46.7	46.3	47.8	46.7	46.3	47.3	46.3	46.3
33.1	40.7	44.5	45.7	46.2	46.3	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
33.4	43.1	44.5	47.1	46.6	46.7	46.8	46.9	47.1	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3
35.7	44.3	46.1	46.3	46.8	46.7	46.7	47.1	47.1	47.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
35.7	44.3	46.1	46.3	46.8	46.7	46.7	47.1	47.1	47.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
36.7	44.7	46.1	46.3	46.8	46.7	46.7	47.1	47.1	47.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
37.7	44.7	46.7	46.7	47.4	47.5	47.7	47.3	47.5	47.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
38.7	46.1	46.9	46.5	46.7	46.9	49.7	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
38.7	46.2	47.1	46.4	46.9	46.5	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
37.7	46.7	47.7	46.1	47.0	49.1	49.2	49.2	49.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
37.3	46.6	47.4	46.7	47.7	49.3	49.5	49.5	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
37.7	47.1	47.7	49.2	46.7	49.5	49.9	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
37.7	47.3	48.1	51.4	50.7	51.1	51.1	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
40.7	48.3	51.4	54.7	56.3	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
41.7	54.5	51.6	56.9	56.7	56.1	56.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
41.4	56.3	57.3	57.0	51.1	51.2	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
43.7	57.7	57.9	53.1	53.4	53.6	54.7	54.1	54.7	54.3	54.7	54.3	54.7	54.3	54.7	54.3	54.7	54.3
43.7	58.1	56.7	57.4	51.7	54.1	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
44.1	51.6	54.7	56.6	57.9	55.0	56.8	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
45.7	63.5	67.7	69.7	71.2	71.5	72.9	72.3	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
45.7	64.7	61.3	71.6	74.1	74.4	75.5	76.1	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
47.1	66.5	71.5	74.2	76.6	76.6	77.1	77.7	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
47.1	66.9	71.2	75.4	77.3	77.7	76.8	79.4	79.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
48.7	67.9	71.3	75.6	75.6	79.1	80.2	80.4	81.2	81.5	81.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7
49.7	61.4	74.1	73.4	80.9	81.3	80.3	83.8	84.7	84.8	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4
51.6	71.5	74.9	74.1	80.6	83.2	85.1	87.6	88.7	89.3	89.9	89.9	91.1	91.1	91.1	91.1	91.1	91.1
51.7	71.3	74.3	74.8	83.6	84.3	87.5	89.2	89.7	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
51.7	71.3	75.4	81.5	83.8	84.6	83.3	89.3	90.1	92.1	94.5	94.6	95.4	95.4	95.6	95.6	95.6	95.6
51.7	75.3	75.4	82.5	83.8	84.6	83.4	91.2	91.8	92.5	95.1	95.3	96.3	96.3	96.4	96.4	96.4	96.4
51.7	71.3	75.4	82.5	83.8	84.6	83.4	91.2	91.8	92.5	95.1	95.3	96.3	96.3	96.4	96.4	96.4	96.4





### CEILING VERSUS VISIBILITY

UNITED STATES DEPARTMENT OF COMMERCE  
BUREAU OF MARINE INQUIRY

TABLE 1. VISIBILITY AND CEILING

TABLE 1. VISIBILITY AND CEILING  
(Continued)

34.1	27.8	37.5	38.1	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0
39.5	40.0	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6
42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0
45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4
47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8
49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2
52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6
54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0
57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4
59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8
61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2
64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6
66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0
69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4
71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8
73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2
76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6
78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0
81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4
83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8
85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2
88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6
90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0
93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4
95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8
97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0	100.1	100.2

ALBUQUERQUE, N. M.

STATION NO. 1177

OFF. NEW HAM. A. S.

73-10

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### CEILING VERSUS VISIBILITY

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF MARITIME SERVICE

FORM NO. 107

41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	
44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5
47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0
51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5
54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0
58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5
61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0
65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5
68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0
72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5
75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0
79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5
82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0
86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5
89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0
93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0

U.S. GOVERNMENT PRINTING OFFICE

13

U.S. DEPARTMENT OF COMMERCE  
NATIONAL BUREAU OF STANDARDS

# CEILING VERSUS VISIBILITY

STATION WASHINGTON, D. C.

1954

15

U.S. DEPARTMENT OF COMMERCE  
NATIONAL BUREAU OF STANDARDS

15-50

43.4	43.5	44.3	44.5	45.3	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
46.7	46.8	47.1	47.2	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
47.2	47.2	47.4	47.4	47.3	47.3	47.3	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	47.4	47.4	47.1	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
47.7	47.5	47.7	47.9	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
48.4	48.0	48.0	48.4	48.6	48.6	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
48.3	47.9	51.1	52.4	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
48.8	50.6	51.4	53.1	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
48.4	51.1	52.4	53.0	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
48.4	51.1	52.4	53.0	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
48.4	51.1	52.4	53.0	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
49.7	53.2	54.6	58.0	58.3	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
51.1	56.2	57.7	58.6	58.9	58.1	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
57.7	57.4	67.5	62.4	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
58.5	61.2	67.7	64.1	64.3	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
58.4	62.7	64.1	65.7	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
57.5	65.4	67.3	69.2	69.6	69.6	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
59.5	67.4	71.5	73.3	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
59.3	71.5	74.1	76.6	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
63.4	73.3	75.9	76.4	76.7	76.9	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
67.7	74.8	77.3	81.3	81.0	81.2	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
73.3	75.4	78.6	81.7	82.4	83.1	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
83.3	76.1	80.1	83.8	84.2	84.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
84.3	78.8	83.5	84.9	86.1	86.8	89.3	89.8	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
87.0	78.7	85.6	86.6	88.0	89.1	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
88.5	78.7	87.5	87.6	88.4	89.5	92.6	94.4	94.4	94.4	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
88.5	78.7	87.5	87.6	88.4	89.5	92.6	94.4	94.4	94.4	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
88.5	78.7	87.5	87.6	88.4	89.5	92.6	94.4	94.4	94.4	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
88.5	78.7	87.5	87.6	88.4	89.5	92.6	94.4	94.4	94.4	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
88.5	78.7	87.5	87.6	88.4	89.5	92.6	94.4	94.4	94.4	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3

DATA NUMBER OF OBSERVATIONS 557

THE NATIONAL LUMBER EXCHANGE  
NEW YORK, N. Y. 10038

# CEILING VERSUS VISIBILITY

LAKE SUPERIOR APPROPRIATE

73-57

1973

NO. OF OCCURRENCES OF CEILING AT  
VISIBILITY

ALL

41.2	41.2	44.3	43.0	43.7	43.2	43.3	43.3	43.0	43.5	43.1	43.0	42.5	43.0	42.7	43.0
43.0	43.0	44.3	44.4	45.6	45.6	45.7	45.7	45.9	45.9	45.9	46.3	45.9	46.3	46.4	46.4
43.0	43.0	44.7	45.8	46.0	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4
44.0	44.0	44.7	46.1	46.1	46.2	46.3	46.3	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
44.0	44.1	44.7	46.0	46.2	46.2	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
44.0	44.1	44.7	46.2	46.4	46.4	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
44.4	44.7	44.8	47.7	47.9	48.0	48.1	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3
44.7	44.8	44.8	48.1	48.2	48.3	48.4	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
45.1	47.5	48.3	49.0	49.7	49.8	49.9	49.9	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.2
45.7	48.5	49.3	50.0	50.7	50.7	50.9	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1
45.7	48.9	49.7	51.0	51.1	51.2	51.3	51.3	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
47.4	48.3	50.1	51.4	51.6	51.8	51.8	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0
48.7	48.6	50.4	51.7	51.9	52.0	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
48.8	48.8	51.7	53.0	53.2	53.2	53.4	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6
48.8	48.8	54.0	56.2	56.4	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
49.0	50.5	50.9	53.4	53.6	53.9	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
49.0	57.5	59.1	61.0	61.3	61.4	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
49.0	58.7	61.6	63.4	64.0	64.1	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
50.0	60.3	62.1	64.0	64.6	64.7	65.0	65.1	65.2	65.4	65.4	65.4	65.5	65.5	65.5	65.5
50.0	63.4	65.7	68.0	68.8	69.0	69.6	69.7	69.9	70.2	70.2	70.2	70.3	70.3	70.3	70.3
50.0	65.8	68.5	71.0	72.7	72.9	73.1	73.2	73.3	73.7	73.7	73.7	73.8	73.8	73.8	73.8
50.0	67.5	70.3	74.3	75.4	75.6	76.8	77.1	77.1	77.5	77.6	77.6	77.7	77.7	77.7	77.7
50.4	68.9	71.3	75.8	77.0	77.7	78.6	78.9	79.1	79.4	79.5	79.5	79.6	79.6	79.6	79.6
50.8	71.0	73.7	77.6	79.2	79.6	81.8	81.1	81.2	81.6	81.7	81.7	81.8	81.8	81.8	81.8
52.0	71.3	75.0	79.2	80.9	81.4	82.8	83.2	83.3	83.8	83.9	83.9	84.0	84.0	84.0	84.0
52.0	72.4	76.5	80.9	82.9	83.5	85.2	85.8	86.0	86.4	86.6	86.6	86.7	86.7	86.7	86.7
52.6	73.5	77.8	82.5	85.1	85.8	88.4	89.2	89.5	89.8	90.0	90.0	90.1	90.1	90.1	90.1
53.1	74.4	79.9	83.6	86.6	87.5	90.6	91.6	91.9	92.7	93.1	93.1	93.3	93.3	93.4	93.4
53.1	74.8	79.4	84.0	87.7	88.6	91.1	93.5	93.7	94.8	95.9	95.9	96.2	96.2	96.3	96.4
54.4	75.1	79.6	84.9	88.1	89.0	92.6	94.2	94.6	95.6	96.9	96.9	97.4	97.4	97.6	97.6
54.4	75.1	79.6	85.0	88.2	89.2	92.8	94.4	94.8	96.0	97.2	97.3	98.1	98.1	98.5	98.5
54.4	75.1	79.6	85.0	88.3	89.3	93.1	94.8	95.3	96.6	98.1	98.1	99.2	99.3	99.6	99.6

THE NATIONAL LUMBER EXCHANGE NEW YORK, N. Y. 10038



WINDY CLOUDY 1000 FT. A.G.C.H.  
1000 FT.  
1000 FT. H. SERVICE 7/440

# CEILING VERSUS VISIBILITY

CAPITOL BUILDING AT 1000 FT.

73-10

44

WINDY CLOUDY 1000 FT. A.G.C.H.  
1000 FT. H. SERVICE 7/440

1000 FT.

37.2	37.4	37.6	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.4	61.6	61.8	62.0	62.2	62.4	62.6	62.8	63.0	63.2	63.4	63.6	63.8	64.0	64.2	64.4	64.6	64.8	65.0	65.2	65.4	65.6	65.8	66.0	66.2	66.4	66.6	66.8	67.0	67.2	67.4	67.6	67.8	68.0	68.2	68.4	68.6	68.8	69.0	69.2	69.4	69.6	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.4	71.6	71.8	72.0	72.2	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6	78.8	79.0	79.2	79.4	79.6	79.8	80.0	80.2	80.4	80.6	80.8	81.0	81.2	81.4	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.2	86.4	86.6	86.8	87.0	87.2	87.4	87.6	87.8	88.0	88.2	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4	95.6	95.8	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.4	97.6	97.8	98.0	98.2	98.4	98.6	98.8	99.0	99.2	99.4	99.6	99.8	100.0
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TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 127

FEDERAL CLIMATOLOGY BRANCH  
OF THE  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

CAMP NEWENHAM AFS AK

73-00

46

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1957-1960

28.7	31.7	31.9	32.7	31.7	31.5	31.3	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
28.4	31.6	31.7	32.1	32.2	32.2	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
27.7	32.0	32.1	33.2	33.2	33.3	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
27.1	31.9	33.1	33.2	33.3	33.3	33.5	33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
27.0	32.0	33.2	33.3	33.4	33.4	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
27.3	33.6	33.8	33.9	34.1	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
26.5	34.5	34.7	34.8	34.9	34.9	35.3	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
26.9	34.5	34.7	34.8	34.9	34.9	35.3	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
27.5	35.5	35.7	35.8	36.0	36.2	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
27.0	36.3	36.5	36.7	36.9	36.9	37.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
27.1	35.6	36.8	36.9	37.1	37.1	37.4	37.8	37.9	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
27.2	37.9	38.3	38.4	38.6	38.6	39.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
27.2	38.8	39.3	39.4	39.6	39.6	39.9	40.3	40.7	40.3	40.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3
27.5	41.4	41.8	41.9	41.1	41.1	41.5	41.8	41.9	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
27.2	44.3	45.2	45.4	45.6	45.6	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
27.1	46.9	47.9	48.1	48.3	48.4	49.3	49.6	49.6	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
27.5	41.9	49.0	50.2	50.4	50.5	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
27.9	54.2	55.6	55.5	56.4	56.5	57.5	57.8	57.9	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
24.3	55.3	56.8	57.0	57.6	57.7	58.7	59.1	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
45.7	59.2	61.6	62.1	63.3	63.4	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
45.1	61.9	64.9	65.0	66.8	66.9	68.1	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
49.4	64.1	67.4	68.0	69.9	70.5	71.6	71.9	72.0	72.1	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5
57.4	65.5	69.1	71.4	71.7	72.1	73.7	74.0	74.1	74.2	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5
57.1	66.6	70.6	72.1	73.4	73.9	75.4	75.1	76.7	76.3	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6
51.1	67.9	73.3	74.5	75.3	75.8	77.4	78.0	78.1	78.2	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6
51.6	71.4	73.9	76.0	77.8	78.3	80.1	81.0	81.1	81.3	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0
51.7	70.3	75.1	77.6	80.7	81.1	83.5	85.0	85.1	86.1	86.8	86.8	87.3	87.4	87.5	87.5	87.5	87.5
51.2	71.2	78.1	78.6	81.4	82.4	85.1	86.9	87.1	88.4	89.3	89.3	89.8	89.9	89.9	89.9	89.9	89.9
52.7	71.8	76.9	79.7	82.6	83.7	86.9	89.1	89.7	91.5	93.9	93.9	94.9	95.0	95.1	95.1	95.1	95.1
52.0	71.5	76.8	79.7	82.7	83.9	87.4	89.8	90.1	91.9	94.8	94.8	96.2	96.3	96.4	96.4	96.4	96.4
52.7	71.8	76.8	79.9	82.9	84.1	87.8	90.3	90.6	92.5	95.3	95.4	95.8	97.1	97.3	97.4	97.4	97.4
52.9	71.8	76.8	79.9	82.9	84.1	88.0	90.8	91.1	93.0	95.9	96.0	96.4	96.6	98.9	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 919

WORLD CLIMATE DATA SERVICE  
CLIMATE DATA CENTER

# CEILING VERSUS VISIBILITY

DATE: 01/25/82 TIME: 00:00

73-00

75

STATION: PEARL AND HERMES AVENUE  
FROM: HOURLY OBSERVATIONS

01-17

29.8	30.3	30.8	31.2	31.7	32.1	32.6	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
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TOTAL NUMBER OF OBSERVATIONS: 100

WATER SURVEILLANCE  
STATION

# CEILING VERSUS VISIBILITY

LAKE NEWNHAM AREA

73-81

74

DATA RECORDED IN THE  
FORM OF CEILING VERSUS VISIBILITY

27.3	27.3	27.2	28.1	28.3	28.3	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
27.3	27.4	31.0	30.6	31.8	31.3	31.7	31.1	31.7	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
26.3	30.5	31.3	31.7	31.9	31.9	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
26.4	30.5	31.4	31.6	32.1	32.0	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
26.3	30.8	31.4	32.0	32.2	32.2	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
27.1	31.5	32.7	32.5	33.0	33.0	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
28.1	32.5	33.3	33.6	34.1	34.1	34.3	34.3	34.7	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
28.5	33.7	32.7	34.3	34.5	34.5	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
28.3	33.3	34.1	36.6	36.9	36.9	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
31.5	35.0	35.7	37.3	37.5	37.5	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
32.1	36.5	37.3	37.8	39.0	38.0	39.3	38.3	38.7	38.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
32.7	38.0	38.8	39.3	39.5	39.5	39.6	39.6	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
33.1	38.4	39.1	39.7	39.9	39.9	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
34.3	39.7	40.5	41.1	41.5	41.5	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
37.5	43.2	44.2	44.6	45.3	45.3	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
38.4	45.6	47.8	48.3	48.7	48.8	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
47.3	48.4	49.7	50.2	50.6	50.6	51.0	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
44.1	50.5	51.7	54.5	55.3	55.4	55.6	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
44.4	53.1	54.4	55.4	56.1	56.3	56.5	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
47.1	57.4	58.2	59.5	61.5	61.7	62.1	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
48.7	60.1	62.3	63.6	64.8	65.1	65.5	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
51.2	62.9	65.5	67.3	68.5	69.2	69.9	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
51.5	63.3	66.4	66.5	69.7	70.5	71.2	71.4	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
51.4	65.3	67.2	71.6	72.7	73.3	74.3	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
51.7	65.7	68.8	71.8	73.8	75.1	75.8	76.2	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
52.7	66.6	71.0	73.8	75.6	75.1	78.9	79.4	79.4	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4
52.9	67.2	71.4	75.6	78.7	80.4	81.6	82.5	82.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
53.5	69.3	73.8	77.6	81.7	83.1	85.0	86.4	86.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
53.6	67.2	74.7	78.8	82.7	84.5	86.9	89.0	89.2	90.7	91.7	91.8	93.1	93.2	93.3	93.4	93.4
53.5	69.4	74.4	79.1	82.7	84.6	87.4	89.3	90.1	92.0	93.2	93.4	95.4	95.5	95.6	95.7	95.7
53.5	69.4	74.4	79.2	82.9	85.0	87.7	90.1	90.5	92.8	94.1	94.3	95.6	96.7	96.8	97.0	97.0
53.5	69.5	74.5	79.3	83.0	85.1	87.8	90.2	90.5	93.0	94.5	94.7	97.3	97.5	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 223





# CEILING VERSUS VISIBILITY

2

CAPT NEWENHAM AFB TX

73-01

18

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM 1-HOURLY OBSERVATIONS

1973-74

31.3	31.7	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
33.7	33.6	33.7	34.0	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
31.2	34.1	34.7	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
31.4	34.4	34.5	34.6	34.8	34.6	34.8	34.6	34.8	34.6	34.8	34.6	34.8	34.6	34.8	34.6	34.8	34.6
31.4	34.5	34.7	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
31.4	34.5	34.7	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
31.4	35.1	35.2	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
31.4	35.1	35.2	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
33.5	37.1	37.2	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
33.7	37.7	37.8	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
34.7	37.9	38.1	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
34.7	37.9	38.1	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
34.7	38.5	38.7	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
38.5	40.5	40.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
38.5	44.0	44.1	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
41.4	45.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
42.4	47.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
43.7	47.0	48.3	50.8	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
43.7	47.7	50.2	51.6	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
45.3	55.0	54.1	55.1	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
47.7	55.3	55.2	55.3	55.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
47.7	55.1	57.0	57.6	57.9	58.4	58.1	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
47.5	57.1	61.7	64.1	64.8	65.3	66.0	65.1	65.7	66.7	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
48.3	61.3	63.7	66.3	66.3	66.8	67.3	68.3	68.6	68.7	69.8	69.9	70.2	70.2	70.2	70.2	70.2	70.2
48.9	61.0	65.5	69.2	70.7	70.7	71.9	72.2	72.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
49.0	62.9	67.2	71.7	73.0	73.8	75.7	76.1	76.2	77.5	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0
49.2	64.2	68.7	74.4	76.5	77.3	81.2	82.6	82.7	84.2	84.6	85.0	85.6	85.6	85.6	85.6	85.6	85.6
49.2	64.4	68.8	74.6	76.8	77.7	81.9	84.5	84.6	86.4	86.9	87.3	87.9	87.9	87.9	87.9	87.9	87.9
49.9	64.7	70.7	76.3	78.3	79.1	83.5	86.5	86.6	88.7	90.8	91.2	92.2	92.7	92.7	92.7	92.7	92.7
49.9	65.1	70.2	76.4	78.7	79.5	84.1	87.0	87.3	89.3	92.3	92.7	94.9	93.3	93.9	94.3	94.3	94.3
49.7	65.3	70.7	76.5	78.8	79.6	84.2	87.2	87.4	89.6	92.8	92.8	94.6	94.6	94.9	95.5	95.5	95.5
49.0	65.0	70.2	76.5	78.8	79.6	84.2	87.3	87.6	90.1	93.4	93.6	95.2	96.0	97.6	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS: 741





NATIONAL CLIMATOLOGY BRANCH  
OFFICE OF THE  
CHIEF OF WEATHER SERVICE, WDC

# CEILING VERSUS VISIBILITY

CAS. WEAZLNHAM, AFS, AR

73-67

DATA IS FROM ENROUTE CURRENTS  
FROM 0000Z TO 0000Z ON

13-7500

25.1	25.1	25.7	25.9	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
26.1	26.9	26.5	26.6	26.8	26.9	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
26.5	26.0	26.6	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
26.9	26.0	26.6	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
27.1	26.1	26.7	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
27.1	26.1	26.7	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
27.5	26.0	27.5	27.6	27.6	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
27.5	27.3	27.8	28.2	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
28.9	28.4	28.5	28.8	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
28.9	28.3	28.9	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
29.0	31.5	31.4	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
29.1	31.7	32.3	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
29.7	31.7	32.5	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
29.1	33.6	34.5	35.2	35.2	35.2	35.2	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
31.3	37.7	38.9	39.7	39.7	39.7	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
32.7	41.0	42.0	43.1	43.1	43.1	43.6	43.0	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
33.5	43.1	44.2	45.2	45.2	45.2	45.6	45.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
35.1	47.3	48.5	49.8	50.7	50.1	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
37.5	47.7	48.4	51.7	51.9	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
38.7	50.3	51.6	54.5	54.8	55.1	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
39.7	53.5	56.7	58.3	58.6	58.9	59.8	59.0	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
40.1	56.9	61.0	63.4	63.7	64.1	65.3	65.3	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
42.1	58.5	62.5	65.1	65.7	66.0	67.3	67.5	67.5	67.5	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
43.1	60.2	65.0	67.6	68.3	68.9	70.1	70.5	70.5	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
43.0	61.7	67.7	69.8	71.6	71.7	73.1	73.4	73.8	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
44.3	63.2	69.5	73.2	74.1	75.7	77.2	77.6	78.1	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
45.7	65.7	70.0	75.1	78.0	79.5	81.9	82.5	82.9	83.5	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
46.1	66.5	73.2	78.8	81.1	82.7	85.6	86.5	86.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
46.7	66.8	73.5	79.1	81.5	83.2	86.4	87.5	88.7	89.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
46.5	67.3	74.1	80.0	82.4	84.1	87.3	88.5	89.1	90.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
46.5	67.3	74.1	80.1	82.5	84.2	87.4	88.7	89.8	91.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
46.5	67.3	74.1	80.1	82.5	84.2	87.4	88.7	89.8	91.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS: 880



WALLINGFORD CLIMATE LOG  
FITAL  
BY WEATHER SERVICE

# CEILING VERSUS VISIBILITY

WALLINGFORD AIRFIELD AF 3 AF

73-50

10-100

THE FOLLOWING REPRESENTS THE CORRELATION  
BETWEEN CEILING AND VISIBILITY

10-100

21.1	21.1	21.4	22.0	22.6	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
21.4	24.3	24.7	24.9	24.9	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
24.3	25.3	25.6	25.6	25.9	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
24.3	25.5	25.9	26.1	26.1	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
24.5	25.7	26.1	26.3	26.3	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
24.7	26.3	26.5	26.5	26.5	26.7	27.3	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
27.1	28.9	29.7	29.4	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
29.7	29.4	29.5	30.0	30.0	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
30.1	30.6	30.9	31.1	31.1	31.3	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
30.7	32.0	32.4	32.6	32.6	32.8	33.0	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
31.7	31.5	32.8	33.0	33.0	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
32.7	34.9	35.3	35.5	35.5	35.7	36.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
33.3	35.3	35.6	35.8	35.8	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
34.3	37.7	37.4	37.8	37.8	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
40.3	41.5	42.5	43.9	43.9	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
41.1	44.5	44.5	46.0	46.0	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
44.4	46.3	47.1	49.5	49.9	50.1	50.6	50.7	50.7	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
46.3	51.1	51.8	53.9	54.7	54.4	54.9	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
47.4	52.4	54.4	55.5	55.7	56.1	56.5	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
49.7	55.3	57.4	59.6	59.8	60.2	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
51.7	57.9	60.4	62.5	62.7	63.1	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
57.7	59.6	62.5	64.5	65.1	65.7	67.2	67.5	67.5	67.8	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
57.7	61.7	64.7	66.1	66.6	67.3	68.8	69.1	69.1	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7
66.0	64.3	67.5	71.0	71.9	71.6	73.3	73.6	73.7	73.9	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
56.3	64.7	68.7	70.7	71.6	72.5	73.9	74.3	74.4	74.6	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2
57.3	66.2	69.8	73.3	74.7	76.1	77.6	78.3	78.4	78.7	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4
58.9	68.5	72.5	76.1	77.8	79.2	81.3	82.1	82.2	82.8	82.8	83.6	84.3	84.3	84.3	84.3	84.3	84.3
59.3	69.7	73.7	77.5	79.6	81.5	84.7	85.6	85.7	86.4	87.5	87.5	88.0	88.0	88.0	88.0	88.0	88.0
59.3	69.9	74.7	78.2	80.6	82.6	86.4	88.0	88.2	89.6	92.4	92.4	93.6	93.6	93.6	93.6	93.6	93.6
59.3	71.2	74.4	78.3	81.9	83.0	87.6	89.6	89.8	91.2	94.2	94.2	95.6	95.6	95.6	95.6	95.6	95.6
59.7	70.3	74.7	78.7	81.3	83.5	89.7	90.9	91.1	92.7	95.6	95.6	97.2	97.2	97.2	97.2	97.2	97.2
59.7	70.3	74.9	78.8	81.6	83.7	89.2	91.1	91.3	93.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 892

FEDERAL BUREAU OF INVESTIGATION  
CLIMATE SERVICE

# CEILING VERSUS VISIBILITY

CASE NEWENHAM AFB AR

73-17

AR

PERIOD OF RECORD: 1951-1970  
NUMBER OF OBSERVATIONS: 1000

27-1-71

26.9	26.9	27.1	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
26.9	27.0	27.1	27.3	27.5	27.5	27.5	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
26.9	27.1	27.3	27.6	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
26.9	27.5	27.6	27.9	27.9	27.9	27.9	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
26.7	28.3	28.4	28.7	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
28.6	30.2	30.4	30.7	30.7	30.7	30.7	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
30.1	30.8	30.7	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
32.7	31.7	31.1	32.4	32.4	32.4	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
33.7	34.0	34.2	34.6	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
32.1	34.1	34.5	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
34.2	35.3	34.8	35.9	35.9	35.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
34.5	36.5	34.8	37.2	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
34.1	36.4	37.9	39.4	39.4	39.4	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
41.4	43.7	44.1	44.5	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
45.3	45.7	44.2	47.1	47.1	47.1	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
44.5	46.3	47.7	50.5	50.5	50.5	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
46.7	50.5	51.4	53.0	53.0	53.0	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
47.1	51.8	53.7	54.6	54.6	54.6	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
51.4	57.2	59.7	61.5	62.2	62.5	62.8	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
64.5	61.0	63.1	65.5	66.3	66.7	67.2	67.5	67.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
65.5	63.1	65.1	67.8	68.7	69.0	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67.5	64.3	65.4	69.5	70.2	70.5	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
68.1	67.7	70.2	73.0	73.9	74.5	75.5	75.8	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
69.1	67.7	70.7	73.6	74.5	75.3	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
69.5	68.9	71.9	75.0	76.5	77.7	79.2	79.6	79.7	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
61.3	73.9	74.7	77.0	80.7	81.2	83.6	84.2	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
62.1	72.7	75.4	81.1	83.4	84.9	87.8	88.7	89.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
61.7	71.1	75.7	81.3	83.8	85.4	89.1	90.0	90.0	91.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
62.5	72.5	76.5	81.7	84.2	86.0	90.4	91.9	92.9	93.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
62.7	72.9	76.8	81.1	84.6	86.4	91.2	92.7	93.0	94.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
62.7	72.9	76.8	81.1	84.7	86.6	91.6	93.0	93.4	95.3	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1



FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

CAPE DENVER, COLORADO

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM VISUAL OBSERVATIONS

1940-1942

20.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
23.5	24.1	24.1	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
24.7	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
24.1	26.0	26.0	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
25.1	26.2	26.2	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
25.4	26.5	26.5	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	26.6	26.6
25.6	27.3	27.3	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
25.1	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
25.4	30.7	30.7	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
25.3	31.8	31.8	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	32.0
27.7	33.4	33.4	32.5	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
31.7	33.5	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
32.5	34.2	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	35.2	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
37.5	35.3	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
35.5	41.5	41.1	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
41.5	43.1	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	44.0	44.0
41.7	45.5	45.4	45.7	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
42.5	45.3	45.5	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
45.2	50.0	51.5	52.2	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	53.0
47.7	55.2	57.7	58.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
51.2	55.5	61.7	62.7	63.8	63.8	64.1	64.3	64.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
52.3	61.2	61.1	64.8	65.8	66.2	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
64.2	64.7	65.7	65.6	69.8	71.6	71.2	71.3	71.7	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
55.7	65.2	65.5	70.4	72.0	72.7	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
56.2	67.7	71.9	73.5	75.4	76.2	77.5	77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
53.5	71.7	74.1	78.2	80.7	80.6	83.5	84.6	84.6	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
71.5	71.6	75.5	77.5	81.9	82.7	85.8	87.2	87.2	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
59.7	71.7	75.5	81.2	83.0	83.7	87.3	89.0	89.4	89.9	91.4	91.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
67.5	72.6	76.4	81.2	84.7	84.9	88.5	90.5	90.9	91.7	93.6	93.6	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
63.5	72.6	75.6	81.4	84.4	85.3	89.4	91.4	91.8	93.1	95.0	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
66.5	72.6	75.6	81.7	84.6	85.5	89.9	91.7	92.3	93.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 784

GRAPH FOR PERCENTAGE FREQUENCY OF OCCURRENCE

WORLD CLIMATE DATA ARCHIVE  
WORLD WEATHER SERVICE

# CEILING VERSUS VISIBILITY

CAIRO, EGYPT

1979-80

61

STATION: CAIRO, EGYPT  
FROM: 1979-01-01 TO: 1979-12-31

1979-80

20.7	20.1	20.7	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.7
20.1	20.5	20.7	20.3	20.1	20.3	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
20.3	20.7	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
20.3	20.7	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
24.7	25.1	24.7	21.6	20.5	20.6	21.5	25.0	28.1	24.5	29.6	28.0	21.6	23.6	24.6	25.6	25.6	25.6
27.4	28.9	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
27.4	31.0	30.1	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
28.3	31.2	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
29.1	33.3	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
33.7	33.5	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
31.2	33.1	35.4	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
34.0	34.6	37.4	35.6	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
35.4	37.5	40.2	40.0	41.8	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
36.2	40.6	41.7	42.1	42.8	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
35.7	44.1	45.1	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
37.7	44.5	45.5	46.4	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
40.5	45.7	45.1	47.2	44.9	48.9	47.3	48.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
40.2	51.3	54.7	55.3	55.9	55.9	56.4	56.5	56.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
45.1	53.7	57.1	58.7	57.3	57.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
45.3	55.1	58.5	57.3	61.2	61.7	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
48.2	57.7	61.4	64.1	64.9	65.5	65.7	65.8	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
48.8	59.1	64.1	66.7	67.9	68.7	71.1	70.3	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
50.1	58.5	66.5	59.9	71.3	72.4	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
51.2	60.1	67.9	74.1	76.3	77.3	81.2	81.5	81.5	82.3	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3
52.3	64.6	71.5	76.4	79.7	80.3	84.1	85.5	85.6	86.5	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1
52.3	65.1	72.3	77.4	81.5	82.2	86.2	87.3	88.5	89.5	91.2	91.2	91.8	91.8	91.8	91.8	91.8	91.8
53.5	65.4	73.5	78.7	81.9	83.8	87.9	90.7	91.6	91.8	93.8	94.0	94.7	94.7	94.7	94.7	94.7	94.7
53.5	66.4	73.5	78.7	82.1	84.1	88.1	90.4	91.5	92.3	95.0	95.1	95.4	95.4	95.4	95.4	95.4	95.4
52.7	65.4	73.5	79.5	82.4	84.4	88.5	90.9	91.5	92.9	96.0	96.2	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

751

# CEILING VERSUS VISIBILITY

2

CANADIAN WEATHER SERVICE

73-1

89

FREQUENCY OF OCCURRENCE OF EACH HOURLY OBSERVATION

ALL

20.7	20.1	20.7	23.0	27.4	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
21.7	20.4	20.4	20.0	20.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
21.7	20.2	20.4	20.0	20.0	20.6	20.6	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
22.7	20.3	20.5	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
23.7	20.4	20.7	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
24.3	20.5	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
25.3	20.3	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
26.1	20.7	20.4	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
27.7	31.2	31.0	30.0	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	31.0
28.5	31.0	30.2	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	32.0	32.0
29.1	32.2	32.6	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
30.1	33.0	34.2	34.5	34.5	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
30.7	34.1	34.4	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
32.0	35.0	36.3	36.7	36.7	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
36.9	40.0	41.1	41.5	41.5	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
41.2	41.0	42.2	43.0	43.0	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
35.0	44.0	44.0	46.0	46.7	46.8	47.0	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
41.4	45.0	47.3	50.0	50.0	50.6	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
40.1	46.8	51.3	51.3	51.5	51.6	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
44.0	52.6	54.4	56.0	56.0	56.8	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
47.0	56.2	59.0	60.0	60.9	61.1	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
48.0	59.9	61.0	63.0	64.0	64.9	65.8	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
49.0	60.4	63.4	65.0	65.4	66.3	67.7	67.9	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
51.0	63.0	66.4	68.9	69.8	70.4	71.4	71.7	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
53.0	64.2	67.0	70.6	71.6	72.4	73.5	73.6	73.6	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
53.1	65.0	67.9	73.3	74.7	75.0	77.2	77.6	77.7	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
54.7	67.0	72.0	76.7	75.5	79.7	82.0	82.9	83.1	83.6	83.9	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
54.7	68.8	77.0	78.0	81.0	82.4	85.4	86.0	86.7	87.4	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
55.7	67.1	74.4	75.2	81.0	83.4	86.9	88.5	88.9	89.9	91.0	91.7	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
55.0	67.7	75.0	79.9	82.7	84.4	88.2	90.0	90.4	91.7	93.9	94.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
55.6	67.0	75.1	80.1	83.7	84.7	88.8	90.7	91.1	92.6	95.1	95.0	97.0	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6
55.6	67.8	75.1	81.1	83.2	84.0	89.0	91.0	91.4	93.1	95.9	96.0	98.4	98.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

6851

FEDERAL BUREAU OF SURVEY  
U.S. DEPARTMENT OF COMMERCE  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

CAMP NEWENHAM, ALASKA

73-01

MAY

WINDS AND WAVE RECORDS OF OBSERVATIONS  
FROM 0000 TO 2359 LOCAL TIME

1952-1953

27.5	28.5	29.7	29.5	29.8	29.3	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.7	29.5	29.5
27.7	30.5	31.5	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8
27.7	30.6	30.7	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.8	30.8	30.8	30.7	30.8	30.8
28.7	31.4	31.4	31.4	31.4	31.4	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6
28.9	31.9	31.9	31.9	31.9	31.9	32.0	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1
29.7	33.5	33.6	33.5	33.5	33.5	33.6	33.6	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.7
31.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3
32.3	35.9	35.9	35.9	35.9	35.9	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2
34.7	37.4	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9
35.5	37.1	37.3	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7
36.7	41.7	41.7	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3
36.7	41.1	41.3	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7
37.1	41.5	41.7	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4
37.3	45.5	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
41.4	51.2	51.2	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3
47.8	54.7	54.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
51.5	57.8	58.9	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
53.4	60.7	61.1	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
55.3	65.2	65.2	65.7	65.7	65.7	65.8	65.8	65.8	65.8	66.2	66.2	66.2	66.2	66.2	66.2
57.5	67.5	69.8	70.4	70.5	70.6	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8
61.1	71.5	71.2	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
64.1	74.3	74.3	75.3	75.6	75.8	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
67.7	75.1	77.9	79.9	80.1	80.3	80.6	80.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9
68.7	75.6	77.7	80.4	80.7	80.9	81.5	81.5	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1
68.1	75.5	80.7	83.3	83.6	84.2	85.2	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8
68.1	79.4	82.9	85.4	86.1	86.7	87.8	88.8	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2
66.7	87.4	84.1	87.1	88.1	86.6	87.6	91.0	91.9	92.0	93.2	93.2	93.3	93.3	93.3	93.3
65.5	81.4	85.4	88.6	89.7	90.4	90.5	93.6	93.4	94.6	95.9	95.9	96.1	96.1	96.1	96.1
66.7	81.4	85.6	88.6	89.7	90.4	92.6	93.5	94.8	94.8	96.5	96.5	97.2	97.2	97.3	97.4
66.7	81.4	85.6	88.6	90.0	90.9	93.2	94.5	94.7	95.9	97.8	98.1	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

100



2

FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D.C.

# CEILING VERSUS VISIBILITY

CAMP DENNYHAM, ALBANY

73-17

1952

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1952-1953

21.2	21.2	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7
22.2	22.4	22.4	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
23.1	24.2	24.1	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
24.2	24.3	24.3	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
24.5	24.6	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
24.8	24.9	24.9	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
24.9	25.7	25.7	25.8	26.7	26.8	26.8	26.8	26.8	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
25.1	26.0	26.0	26.3	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5
27.0	28.3	28.3	28.9	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
28.2	30.2	30.2	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
28.1	31.4	31.4	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
28.1	31.6	31.6	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
28.1	33.7	33.7	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
33.1	35.7	35.7	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
42.7	42.4	42.4	42.6	42.9	42.9	42.9	42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
41.7	43.9	43.9	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
45.7	47.5	47.7	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
48.2	51.1	52.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
55.4	53.5	53.4	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
54.5	58.0	58.3	58.7	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
58.4	58.4	59.7	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
61.3	63.3	66.7	67.5	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
65.8	68.6	69.1	69.9	71.3	71.3	71.3	71.3	71.3	71.3	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
69.1	71.8	72.4	73.3	73.8	73.8	73.8	73.8	73.8	73.8	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
75.5	73.7	73.8	74.5	75.6	75.6	75.6	75.6	75.6	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
75.1	73.9	74.8	76.0	77.0	77.1	77.1	77.1	77.1	77.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
87.3	76.1	77.3	78.8	79.9	80.3	80.3	80.3	80.3	80.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
87.1	78.3	79.7	81.5	81.8	83.2	84.3	84.3	84.3	84.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
88.7	79.3	81.4	83.5	84.8	85.7	87.6	88.4	88.4	88.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
88.3	77.5	81.6	83.9	85.3	86.5	89.8	90.2	90.2	90.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
77.3	80.3	87.3	84.6	86.0	87.5	87.1	91.5	92.3	92.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
70.4	80.5	82.7	85.0	86.5	88.2	91.2	92.7	93.7	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

CEILING VERSUS VISIBILITY

2

DAW. WASHINGTON AF, AF

73-67

73-11

PERCENTAGE RELATIONSHIP OF VISIBILITY  
 TO CEILING OBSERVATIONS

21.7	22.4	23.4	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
24.7	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	25.5	25.5	25.5	25.5
27.3	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	27.1	27.1	27.1	27.1
28.5	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
27.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
28.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
29.3	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	30.3	30.3	30.3	30.3
29.4	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
34.5	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
34.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
35.3	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	36.4	36.4	36.4
35.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
36.1	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	37.9	37.9	37.9
41.7	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	43.1	43.1
43.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
45.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
47.1	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	51.1	51.1	51.1	51.1
50.7	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
55.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
57.4	62.6	63.0	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	63.3	63.3	63.3	63.3
64.7	67.1	67.6	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
67.7	70.5	70.7	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
69.1	73.3	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
69.5	74.5	75.2	75.5	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	75.9
71.9	78.7	78.7	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
71.9	77.3	78.7	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
73.1	79.1	80.7	82.4	83.7	83.3	84.3	84.9	84.9	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
73.7	81.6	82.4	84.4	85.8	86.2	88.2	89.7	89.7	90.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
74.3	81.6	82.9	85.2	86.6	87.2	89.6	91.5	91.7	92.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
74.5	81.6	83.4	85.7	87.1	87.8	91.4	92.4	92.6	93.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
74.5	81.6	85.6	86.1	87.6	88.2	91.3	92.2	93.4	94.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

WINDY HARBOR, ALASKA  
TAC  
ELEVATION 100 FEET

# CEILING VERSUS VISIBILITY

WINDY HARBOR, ALASKA

73-77

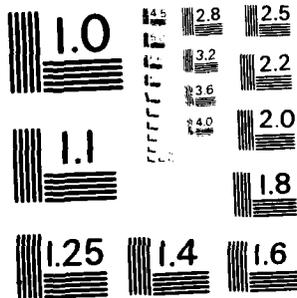
1951

11-7-50

22.0	22.7	23.7	24.5	25.2	26.3	27.1	28.1	29.1	30.7	31.0	27.2	27.0	27.3	27.4	27.4	28.5
27.1	27.2	28.1	28.0	28.2	28.3	28.3	28.3	28.4	28.4	28.4	28.5	28.6	28.6	28.7	28.7	28.8
27.1	27.2	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.7	27.7	27.8	27.8	27.9	28.0
27.4	27.5	27.5	27.7	27.7	27.7	27.8	27.8	27.8	27.8	27.8	28.0	28.0	28.1	28.1	28.2	28.3
28.2	28.3	28.3	28.4	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.7	28.7	28.9	28.9	29.0	29.1
28.7	28.8	28.8	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.2	29.2	29.4	29.4	29.5	29.6
29.5	29.7	29.7	29.9	29.9	29.9	30.1	30.1	30.1	30.1	30.1	30.3	30.3	30.4	30.4	30.5	30.6
30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	31.0	31.0	31.1	31.1	31.2	31.3
34.4	34.5	34.5	35.1	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.4	35.4	35.4	35.5	35.5	35.6
35.1	35.3	35.3	35.7	35.7	35.7	35.7	35.8	35.8	35.8	35.8	36.0	36.0	36.1	36.1	36.2	36.3
36.1	36.3	36.3	36.7	36.7	36.7	36.7	36.8	36.8	36.8	36.8	37.0	37.0	37.2	37.2	37.3	37.4
36.7	36.8	36.8	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.4	37.4	37.5	37.5	37.6	37.7
37.1	37.4	37.4	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.9	37.9	38.1	38.1	38.2	38.3
41.7	41.3	41.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	43.1	43.1	43.1	43.2	43.3	43.4
43.1	43.3	43.7	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.6	44.6	44.6	44.7	44.7	44.8
44.1	44.1	44.1	44.5	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.9	44.9	45.1	45.1	45.1	45.2
47.9	48.3	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	49.0	49.0	49.0	49.1	49.1	49.2
51.7	52.2	52.3	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.3	53.3	53.3	53.4	53.4	53.5
57.5	58.1	58.5	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.7	58.8	58.8	58.9
57.3	58.2	58.1	58.2	58.2	58.2	58.5	58.5	58.5	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8
58.0	58.4	58.7	58.8	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.4	59.4	59.5	59.5	59.5	59.6
61.7	62.2	62.3	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.4	63.4	63.5	63.5	63.5	63.6
71.5	72.3	72.8	73.6	73.7	73.8	74.8	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1
72.4	73.0	73.0	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.4	74.4	74.5	74.5	74.5	74.6
74.2	74.5	74.5	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.4	75.4	75.5	75.5	75.5	75.6
75.1	75.9	75.9	76.3	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.9	76.9	77.0	77.0	77.0	77.1
77.3	77.7	77.7	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.6	78.6	78.7	78.7	78.7	78.8
77.3	78.2	78.1	78.3	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.9	78.9	79.0	79.0	79.0	79.1
77.4	78.1	78.1	78.2	78.2	78.2	78.5	78.5	78.5	78.5	78.5	78.8	78.8	78.9	78.9	78.9	79.0
77.7	78.3	78.4	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.1	79.1	79.1	79.2
78.5	78.5	78.4	78.6	78.6	78.6	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.3	79.3	79.3	79.4

TABLE 11-1. WINDY HARBOR, ALASKA





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 968 - 1

FEDERAL METEOROLOGICAL BUREAU  
OF THE  
NAVY DEPARTMENT

# CEILING VERSUS VISIBILITY

LAKE CHARLES, LA

73-07

14

PER CENTAGE FREQUENCY OF OCCURRENCE  
BASED ON 100 OBSERVATIONS

1952-1971

20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------

TOTAL NUMBER OF OBSERVATIONS 1000





UNION NATIONAL CITY ANCH  
CONTACT  
1000 W. 10TH ST. WICHITA, KAN.

# CEILING VERSUS VISIBILITY

CAPE NEW HAM, AFB, AR

73-67

MAY

APPROXIMATE - FEET OF VISIBILITY  
FROM 1000 FT. TO 5000 FT. CEILING

ALL

24.1	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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NUMBER OF OBSERVATIONS 625



ALBUQUERQUE METEOROLOGICAL STATION  
1951

# CEILING VERSUS VISIBILITY

CAP. WINDMAN, ATTY. GEN.

73-77

35

17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	
19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8
21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6
24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4
27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2
30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0
33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8
35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6
38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4
41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2
44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0
47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8
49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6
52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4
55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2
58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0
61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8
63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6
66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4
69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2
72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0
75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8
77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6
80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4
83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2
86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0
89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8
91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6
94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0	100.1	100.2



FEDERAL METEOROLOGICAL SERVICE  
METEOROLOGICAL BRANCH  
METEOROLOGICAL SERVICE  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

2

LAPSE NEWENHAM AFB AK

73-50

90

NO. OF OBSERVATIONS  
PER HOUR

100-100

11.1	12.3	13.5	14.7	15.9	17.1	18.3	19.5	20.7	21.9	23.1	24.3	25.5	26.7	27.9	29.1	30.3	31.5	32.7	33.9	35.1	36.3	37.5	38.7	39.9	41.1	42.3	43.5	44.7	45.9	47.1	48.3	49.5	50.7	51.9	53.1	54.3	55.5	56.7	57.9	59.1	60.3	61.5	62.7	63.9	65.1	66.3	67.5	68.7	69.9	71.1	72.3	73.5	74.7	75.9	77.1	78.3	79.5	80.7	81.9	83.1	84.3	85.5	86.7	87.9	89.1	90.3	91.5	92.7	93.9	95.1	96.3	97.5	98.7	99.9
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TOTAL NUMBER OF OBSERVATIONS 854

W. J. PATTERSON BRANCH  
AT THE FIELD STATION

### CEILING VERSUS VISIBILITY

LAKE MICHIGAN AREA

1950

W. J. PATTERSON BRANCH  
AT THE FIELD STATION

1950

15.7	16.2	16.8	16.8	16.8	16.8	16.5	16.8	16.8	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
17.8	18.4	18.7	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
18.8	18.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
18.8	18.8	20.0	20.3	20.7	20.0	20.1	20.3	20.7	20.4	20.7	20.8	20.8	20.8	20.8	20.8	20.8
18.8	20.0	20.8	20.8	21.7	20.3	20.4	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
18.8	21.1	21.4	21.4	21.4	21.4	21.5	21.5	21.6	21.6	21.7	21.9	21.9	21.9	21.9	21.9	21.9
18.8	21.1	21.8	23.0	23.3	23.3	23.4	23.4	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8
18.8	22.1	23.7	25.4	25.4	25.4	25.4	25.4	25.6	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8
18.8	24.1	24.6	26.6	26.6	26.6	26.7	26.9	26.9	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1
18.8	24.9	27.3	28.4	28.4	28.4	28.5	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
18.8	27.7	28.3	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
18.8	31.1	31.1	31.7	31.7	31.7	31.9	32.7	32.1	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4
18.8	31.7	31.1	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
18.8	34.8	34.7	34.2	34.2	34.2	34.3	34.4	34.4	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7
18.8	36.7	36.1	36.6	36.6	36.6	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
18.8	41.0	41.1	40.6	40.7	40.7	40.9	40.8	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
18.8	46.2	46.5	47.0	47.3	47.3	47.4	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7
18.8	51.1	51.0	51.0	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
18.8	51.2	51.6	52.1	52.4	52.5	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
18.8	56.7	56.4	56.7	57.1	57.5	57.6	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
18.8	59.2	59.2	59.7	60.0	60.4	60.5	60.7	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
18.8	60.7	60.7	60.2	60.6	61.1	61.4	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
18.8	61.5	61.5	61.7	61.8	62.4	62.7	63.2	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7
18.8	64.0	64.3	65.0	66.4	66.7	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
18.8	65.7	67.2	67.6	68.4	68.9	69.4	69.6	69.6	69.7	69.6	69.6	69.6	69.6	69.6	69.6	69.6
18.8	68.9	71.5	71.2	71.9	72.4	73.0	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
18.8	74.6	76.7	78.0	80.0	80.5	81.1	81.4	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7
18.8	77.8	81.0	83.0	85.2	85.0	86.8	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
18.8	79.4	81.0	85.6	87.8	88.6	89.7	90.0	90.0	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
18.8	81.0	83.4	86.6	89.3	91.2	91.6	92.3	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
18.8	81.1	83.5	86.9	89.4	91.5	91.7	92.7	92.7	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4
18.8	83.0	83.9	83.0	91.0	92.7	95.2	96.2	96.7	97.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS: 119

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE

# CEILING VERSUS VISIBILITY

2

CAPE WENHAM, MASS.

73-01

01

PERCENTAGE FREQUENCY OF OCCURRENCE  
FOR EACH OBSERVATION

1954-77

17.1	18.2	19.4	20.6	21.8	23.0	24.2	25.4	26.6	27.8	29.0	30.2	31.4	32.6	33.8	35.0	36.2	37.4	38.6	39.8	41.0	42.2	43.4	44.6	45.8	47.0	48.2	49.4	50.6	51.8	53.0	54.2	55.4	56.6	57.8	59.0	60.2	61.4	62.6	63.8	65.0	66.2	67.4	68.6	69.8	71.0	72.2	73.4	74.6	75.8	77.0	78.2	79.4	80.6	81.8	83.0	84.2	85.4	86.6	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8
17.1	18.2	19.4	20.6	21.8	23.0	24.2	25.4	26.6	27.8	29.0	30.2	31.4	32.6	33.8	35.0	36.2	37.4	38.6	39.8	41.0	42.2	43.4	44.6	45.8	47.0	48.2	49.4	50.6	51.8	53.0	54.2	55.4	56.6	57.8	59.0	60.2	61.4	62.6	63.8	65.0	66.2	67.4	68.6	69.8	71.0	72.2	73.4	74.6	75.8	77.0	78.2	79.4	80.6	81.8	83.0	84.2	85.4	86.6	87.8	89.0	90.2	91.4	92.6	93.8	95.0	96.2	97.4	98.6	99.8

TOTAL NUMBER OF OBSERVATIONS 722









# CEILING VERSUS VISIBILITY

TABLE 1.1. (continued)

75-81

100

10	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6	18.0	18.4	18.8	19.2	19.6	20.0	20.4	20.8	21.2	21.6	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.4	26.8	27.2	27.6	28.0	28.4	28.8	29.2	29.6	30.0	30.4	30.8	31.2	31.6	32.0	32.4	32.8	33.2	33.6	34.0	34.4	34.8	35.2	35.6	36.0	36.4	36.8	37.2	37.6	38.0	38.4	38.8	39.2	39.6	40.0	40.4	40.8	41.2	41.6	42.0	42.4	42.8	43.2	43.6	44.0	44.4	44.8	45.2	45.6	46.0	46.4	46.8	47.2	47.6	48.0	48.4	48.8	49.2	49.6	50.0	50.4	50.8	51.2	51.6	52.0	52.4	52.8	53.2	53.6	54.0	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.2	57.6	58.0	58.4	58.8	59.2	59.6	60.0	60.4	60.8	61.2	61.6	62.0	62.4	62.8	63.2	63.6	64.0	64.4	64.8	65.2	65.6	66.0	66.4	66.8	67.2	67.6	68.0	68.4	68.8	69.2	69.6	70.0	70.4	70.8	71.2	71.6	72.0	72.4	72.8	73.2	73.6	74.0	74.4	74.8	75.2	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6	90.0	90.4	90.8	91.2	91.6	92.0	92.4	92.8	93.2	93.6	94.0	94.4	94.8	95.2	95.6	96.0	96.4	96.8	97.2	97.6	98.0	98.4	98.8	99.2	99.6	100.0
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U.S. GOVERNMENT PRINTING OFFICE: 1964

2

1.1  
1.7  
1.4  
1.3

# CEILING VERSUS VISIBILITY

DATE: 05/12/64

73-57

171

11.1	11.7	11.6	11.4	11.3	11.0	10.7	10.1	10.3	10.1	10.2	10.2	10.4	10.4	10.3	10.3
11.1	11.2	11.1	10.4	10.5	10.7	10.2	10.3	10.3	10.3	10.4	10.4	10.5	10.5	10.5	10.5
11.1	11.2	11.2	10.5	10.6	10.8	10.3	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.5	10.5
11.1	11.4	11.4	10.5	10.7	10.8	10.4	10.4	10.5	10.5	10.5	10.7	10.7	10.7	10.7	10.7
11.3	11.7	11.7	10.9	10.9	10.2	10.2	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3
11.7	11.1	11.1	10.3	10.4	10.6	10.3	10.4	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.6
11.1	10.4	10.4	10.6	10.7	10.3	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
11.1	10.3	10.3	10.6	10.7	10.3	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
11.1	10.3	10.3	10.6	10.7	10.3	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
11.7	10.7	10.7	10.8	10.8	10.2	10.8	10.8	10.8	10.8	10.9	10.9	10.9	10.9	10.9	10.9
11.1	10.6	10.6	10.8	10.7	10.3	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
11.1	10.6	10.6	10.8	10.7	10.3	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
11.7	11.7	11.7	11.1	11.2	11.4	12.4	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.7	12.7
11.1	21.5	21.5	21.6	21.7	21.9	22.9	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2
11.1	21.5	21.5	21.6	21.7	21.9	22.9	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2
21.1	27.3	27.3	28.0	28.1	28.4	28.4	28.5	28.5	28.5	28.6	28.6	28.8	28.8	28.8	28.8
21.1	27.3	27.3	28.0	28.1	28.4	28.4	28.5	28.5	28.5	28.6	28.6	28.8	28.8	28.8	28.8
21.1	33.2	33.2	33.1	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.7	33.7	33.7	33.7
21.1	33.2	33.2	33.1	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.7	33.7	33.7	33.7
31.1	41.5	41.5	41.6	41.6	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
31.1	41.5	41.5	41.6	41.6	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
31.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
31.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
41.1	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
41.1	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
41.1	57.2	57.2	57.3	57.3	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
41.1	57.2	57.2	57.3	57.3	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
41.1	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
41.1	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
41.1	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
41.1	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
41.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
41.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
51.1	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
51.1	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
51.1	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
51.1	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

CEILING VERSUS VISIBILITY

UNIT STATES COAST AND GEOD. SURV. NO. 1114

10.1	10.1	11.1	13.2	13.4	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
14.6	14.6	14.6	15.7	15.7	15.9	16.1	16.1	16.1	16.2	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
14.6	14.6	14.6	15.9	16.1	16.1	16.3	16.3	16.3	16.4	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
14.6	14.6	14.6	16.3	16.5	16.5	16.5	16.5	16.5	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
16.7	16.7	17.1	17.1	17.2	17.4	17.4	17.6	17.6	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
16.7	16.7	18.2	18.2	18.3	18.5	18.5	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
17.1	17.1	18.3	18.3	18.5	18.8	18.8	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
17.7	17.7	21.3	21.7	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
21.3	21.3	23.1	23.1	23.3	23.3	23.3	23.5	23.5	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
21.3	21.3	24.2	24.2	24.4	24.4	24.4	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
21.3	21.3	25.5	25.5	25.9	25.9	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
23.7	23.7	26.3	26.3	26.4	26.7	26.7	26.9	26.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
24.1	24.1	27.5	27.5	27.7	28.0	28.0	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
27.7	27.7	30.7	30.7	30.8	31.0	31.0	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
31.7	31.7	33.4	33.4	33.7	34.2	34.2	34.4	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
33.7	33.7	35.0	35.0	35.3	35.8	35.8	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
36.6	36.6	37.1	37.1	37.3	37.6	37.6	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
37.7	37.7	38.4	38.4	38.5	38.8	38.8	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
37.7	37.7	41.1	41.1	41.3	41.7	41.7	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
41.7	41.7	42.5	42.5	42.7	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
44.7	44.7	44.7	44.7	44.9	44.9	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
44.7	44.7	47.3	47.3	47.3	47.7	47.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
44.7	44.7	48.7	48.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
44.7	44.7	51.1	51.1	51.1	51.6	51.6	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
44.7	44.7	52.7	52.7	52.7	53.3	53.3	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
44.7	44.7	54.9	54.9	54.9	54.9	54.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
44.7	44.7	56.5	56.5	56.5	57.9	57.9	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
44.7	44.7	58.5	58.5	58.5	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
44.7	44.7	61.4	61.4	61.4	61.8	61.8	61.9	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
44.7	44.7	63.7	63.7	63.7	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
44.7	44.7	65.7	65.7	65.7	66.1	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
44.7	44.7	68.7	68.7	68.7	70.1	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
44.7	44.7	71.7	71.7	71.7	73.1	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
44.7	44.7	73.7	73.7	73.7	74.1	74.1	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
44.7	44.7	75.4	75.4	75.4	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
44.7	44.7	77.4	77.4	77.4	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
44.7	44.7	79.4	79.4	79.4	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
44.7	44.7	81.4	81.4	81.4	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
44.7	44.7	83.4	83.4	83.4	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
44.7	44.7	85.4	85.4	85.4	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
44.7	44.7	87.4	87.4	87.4	88.9	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
44.7	44.7	89.4	89.4	89.4	90.9	90.9	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
44.7	44.7	91.4	91.4	91.4	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
44.7	44.7	93.4	93.4	93.4	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
44.7	44.7	95.4	95.4	95.4	97.0	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

UNIT STATES COAST AND GEOD. SURV. NO. 1114











JOINT CLIMATE DATA CENTER  
WORLD  
METEOROLOGICAL SERVICE/AFSC

# CEILING VERSUS VISIBILITY

2

CAMP LEWIS HAN, ARS, AK

73-87

107

STATION NUMBER AND NAME  
73-87 CAMP LEWIS HAN, ARS, AK

73-87 107

10.0	11.4	12.8	14.2	15.6	17.0	18.4	19.8	21.2	22.6	24.0	25.4	26.8	28.2	29.6	31.0	32.4	33.8	35.2	36.6	38.0	39.4	40.8	42.2	43.6	45.0	46.4	47.8	49.2	50.6	52.0	53.4	54.8	56.2	57.6	59.0	60.4	61.8	63.2	64.6	66.0	67.4	68.8	70.2	71.6	73.0	74.4	75.8	77.2	78.6	80.0	81.4	82.8	84.2	85.6	87.0	88.4	89.8	91.2	92.6	94.0	95.4	96.8	98.2	99.6	100.0
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TOTAL NUMBER OF OBSERVATIONS 259





U.S. AIR FORCE  
 WRIGHT PATTENSON AIR FORCE  
 RESEARCH AND DEVELOPMENT CENTER  
 WRIGHT-PATTERSON AFB, OHIO

# CEILING VERSUS VISIBILITY

UNITED STATES AIR FORCE 70-17

PROBABILITY OF VISIBILITY  
 AT A GIVEN CEILING

10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
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TOTAL NUMBER OF OBSERVATIONS 227



ADDITIONAL DATA CHANGE  
10750  
WATH 4 27 1954

# CEILING VERSUS VISIBILITY

15.0	15.2	15.7	15.3	15.9	15.7	15.7	15.1	15.1	15.2	15.0	15.0	15.2	15.3	15.4	15.4
16.0	16.5	17.0	17.0	17.8	18.0	18.7	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.7	18.7
17.0	17.5	17.7	17.7	17.9	18.1	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.7	18.7
18.0	18.1	18.1	18.1	18.3	18.6	19.0	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.4	19.4
19.0	19.7	19.7	19.6	19.7	19.9	19.7	19.7	19.7	19.5	19.5	19.5	19.5	19.5	19.7	19.7
20.0	20.9	20.9	20.9	20.7	20.4	20.5	20.5	20.7	21.3	21.7	21.5	21.7	21.7	21.3	21.3
21.0	21.1	21.4	21.4	21.6	21.8	21.7	22.3	22.7	22.4	22.4	22.4	22.4	22.4	22.7	22.7
22.0	21.4	21.7	21.7	21.7	22.1	22.5	22.8	22.7	22.7	22.7	22.7	22.7	22.7	23.0	23.0
23.0	21.7	22.7	22.6	23.7	23.2	23.7	23.7	23.7	23.3	23.9	23.7	23.8	24.0	24.1	24.1
24.0	22.9	22.9	23.0	25.8	26.1	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.7	26.7
25.0	23.3	23.4	23.4	26.6	26.8	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.7	27.7
26.0	28.4	28.4	28.5	28.5	28.5	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5
27.0	28.5	28.9	28.9	29.1	29.3	29.8	29.8	29.8	29.9	29.9	29.9	29.9	30.1	30.7	30.7
28.0	30.7	30.7	30.8	31.1	31.3	31.7	31.7	31.7	31.3	31.5	31.5	31.5	31.5	31.1	31.1
29.0	33.3	33.4	33.6	33.8	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.4	34.4
30.0	34.7	34.7	35.1	35.3	35.5	35.9	35.9	35.9	36.2	36.2	36.2	36.2	36.2	36.5	36.5
31.0	37.4	37.5	37.5	38.1	38.3	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.7	39.7
32.0	39.5	39.5	40.4	40.5	41.4	41.6	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.7	42.7
33.0	41.7	41.7	42.0	42.6	42.8	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.9	43.9
34.0	44.2	44.2	44.9	45.4	45.6	46.2	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.7	46.7
35.0	51.4	52.7	52.9	53.5	53.7	54.5	54.7	54.7	54.9	54.9	54.9	54.9	54.9	55.2	55.2
36.0	51.9	51.9	57.7	58.5	58.7	59.7	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.4	60.4
37.0	57.2	57.1	61.2	61.5	61.6	62.5	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.7	63.7
38.0	61.5	61.7	63.1	64.4	64.7	65.7	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.3	66.3
39.0	62.5	64.5	65.6	67.0	67.3	68.3	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.9	68.9
40.0	66.1	69.1	69.7	71.4	71.8	73.2	73.5	73.5	73.8	73.8	73.8	73.8	73.8	74.0	74.0
41.0	71.0	73.5	76.4	78.9	79.4	80.9	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9
42.0	74.7	75.2	82.0	85.2	85.9	87.8	88.3	88.7	88.3	89.5	89.5	89.5	89.5	89.7	89.7
43.0	75.9	79.6	83.9	87.8	88.8	91.7	91.4	91.4	92.5	93.4	93.4	93.5	93.7	93.9	93.9
44.0	76.1	79.4	84.5	88.8	89.7	92.5	93.3	93.3	94.6	95.4	95.4	95.9	96.1	96.3	96.3
45.0	76.2	79.9	84.6	89.1	90.2	92.8	93.6	93.6	95.0	96.7	96.1	96.5	96.7	97.7	97.3
46.0	76.2	81.2	85.0	89.6	90.7	93.6	94.8	94.7	96.6	97.8	97.7	99.0	99.7	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 273

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF MARINE SERVICE  
OFFICE OF NAUTICAL INFORMATION

# CEILING VERSUS VISIBILITY

TABLE NO. 1001

1960

1001

16.0	16.0	16.0	16.9	16.7	16.4	16.3	16.3	16.7	16.5	16.5	16.4	16.4	16.9	16.7	16.4	16.7
17.1	16.2	16.2	16.2	16.2	16.4	16.6	16.7	16.7	16.9	19.1	19.1	19.1	19.1	19.1	19.1	19.1
17.8	17.3	16.7	19.3	19.3	19.2	19.4	19.5	19.5	19.7	19.9	19.9	19.9	19.9	19.9	19.9	19.9
18.2	17.3	16.3	19.3	19.3	19.3	19.8	19.9	19.9	20.3	20.2	20.2	20.2	20.2	20.2	20.2	20.2
18.7	19.9	17.7	19.9	19.9	20.1	20.3	20.5	20.5	20.5	21.4	21.4	21.4	21.4	21.4	21.4	21.4
19.0	21.3	21.3	21.3	21.3	21.3	21.8	21.9	21.9	21.9	21.3	21.3	21.3	21.3	21.3	21.3	21.3
19.7	21.8	21.6	21.8	21.8	22.1	22.3	22.4	22.4	22.5	22.7	22.7	22.7	22.7	22.7	22.7	22.7
20.7	21.8	21.6	21.8	21.8	22.1	22.3	22.4	22.4	22.5	22.7	22.7	22.7	22.7	22.7	22.7	22.7
21.9	23.1	23.1	23.1	23.1	23.3	23.5	23.7	23.7	23.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1
23.2	25.0	25.0	25.0	25.0	25.3	25.5	25.6	25.6	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9
24.1	25.7	25.7	25.7	25.7	25.9	26.2	26.3	26.3	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6
25.1	26.1	26.1	26.1	26.1	26.3	26.6	26.7	26.7	26.8	27.3	27.3	27.3	27.3	27.3	27.3	27.3
27.7	29.1	29.1	29.1	29.1	29.3	29.5	29.6	29.6	29.7	30.2	30.2	30.2	30.2	30.2	30.2	30.2
29.5	31.0	31.0	31.0	31.0	31.2	31.4	31.7	31.8	31.8	31.9	32.3	32.3	32.3	32.3	32.3	32.3
30.1	33.5	33.4	33.6	33.6	34.1	34.4	34.5	34.5	34.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1
33.4	34.7	34.1	35.1	35.1	35.3	35.7	35.8	35.8	35.9	36.3	36.3	36.3	36.3	36.3	36.3	36.3
35.3	38.4	37.2	37.3	37.3	37.5	37.8	37.9	37.9	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5
37.7	38.4	41.1	41.3	41.3	41.5	41.9	41.1	41.1	41.1	41.5	41.5	41.5	41.5	41.5	41.5	41.5
41.4	41.3	41.1	41.4	41.4	41.6	41.9	42.1	42.1	42.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7
44.1	47.2	46.1	46.9	46.9	47.1	47.5	47.6	47.6	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3
47.4	47.2	51.1	51.9	52.7	52.2	52.6	52.7	52.7	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4
51.9	54.9	54.7	57.3	57.7	58.2	58.7	58.9	58.9	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5
53.4	57.6	57.4	57.5	57.5	57.9	58.6	58.7	58.7	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4
58.2	61.5	61.1	64.2	64.3	64.7	66.4	66.5	66.7	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2
61.3	64.7	64.7	66.3	66.4	66.5	67.6	67.7	67.7	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4
64.7	66.7	69.5	71.4	72.4	73.1	74.3	74.7	74.7	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8
67.5	70.9	74.7	76.3	76.7	76.7	79.9	80.5	80.5	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
67.7	73.6	77.5	81.3	82.5	83.2	84.8	85.8	86.2	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2
64.7	74.1	78.4	82.5	85.9	87.2	89.7	91.3	91.4	93.3	94.1	94.1	94.2	94.3	94.4	94.4	94.4
64.7	74.3	78.5	82.9	86.4	87.7	91.7	92.2	92.4	94.9	96.7	96.8	96.8	96.8	96.9	97.0	97.0
64.7	74.3	78.7	83.0	86.5	87.8	91.7	92.3	93.4	95.7	96.8	96.8	97.3	97.5	98.3	98.4	98.4
64.7	74.3	78.7	83.1	86.6	87.9	91.4	93.4	93.7	96.6	97.7	97.7	98.3	98.5	99.31	99.3	99.3

















# CEILING VERSUS VISIBILITY

NEW YORK AIRPORT

1944

15.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	18.0
17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0
39.0	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0
82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	101.0	102.0
103.0	104.0	105.0	106.0	107.0	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0	117.0	118.0	119.0	120.0	121.0	122.0	123.0
124.0	125.0	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0	144.0
145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0	162.0	163.0	164.0	165.0
166.0	167.0	168.0	169.0	170.0	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0	180.0	181.0	182.0	183.0	184.0	185.0	186.0
187.0	188.0	189.0	190.0	191.0	192.0	193.0	194.0	195.0	196.0	197.0	198.0	199.0	200.0	201.0	202.0	203.0	204.0	205.0	206.0	207.0
208.0	209.0	210.0	211.0	212.0	213.0	214.0	215.0	216.0	217.0	218.0	219.0	220.0	221.0	222.0	223.0	224.0	225.0	226.0	227.0	228.0
229.0	230.0	231.0	232.0	233.0	234.0	235.0	236.0	237.0	238.0	239.0	240.0	241.0	242.0	243.0	244.0	245.0	246.0	247.0	248.0	249.0
250.0	251.0	252.0	253.0	254.0	255.0	256.0	257.0	258.0	259.0	260.0	261.0	262.0	263.0	264.0	265.0	266.0	267.0	268.0	269.0	270.0
271.0	272.0	273.0	274.0	275.0	276.0	277.0	278.0	279.0	280.0	281.0	282.0	283.0	284.0	285.0	286.0	287.0	288.0	289.0	290.0	291.0
292.0	293.0	294.0	295.0	296.0	297.0	298.0	299.0	300.0	301.0	302.0	303.0	304.0	305.0	306.0	307.0	308.0	309.0	310.0	311.0	312.0
313.0	314.0	315.0	316.0	317.0	318.0	319.0	320.0	321.0	322.0	323.0	324.0	325.0	326.0	327.0	328.0	329.0	330.0	331.0	332.0	333.0
334.0	335.0	336.0	337.0	338.0	339.0	340.0	341.0	342.0	343.0	344.0	345.0	346.0	347.0	348.0	349.0	350.0	351.0	352.0	353.0	354.0
355.0	356.0	357.0	358.0	359.0	360.0	361.0	362.0	363.0	364.0	365.0	366.0	367.0	368.0	369.0	370.0	371.0	372.0	373.0	374.0	375.0
376.0	377.0	378.0	379.0	380.0	381.0	382.0	383.0	384.0	385.0	386.0	387.0	388.0	389.0	390.0	391.0	392.0	393.0	394.0	395.0	396.0
397.0	398.0	399.0	400.0	401.0	402.0	403.0	404.0	405.0	406.0	407.0	408.0	409.0	410.0	411.0	412.0	413.0	414.0	415.0	416.0	417.0
418.0	419.0	420.0	421.0	422.0	423.0	424.0	425.0	426.0	427.0	428.0	429.0	430.0	431.0	432.0	433.0	434.0	435.0	436.0	437.0	438.0
439.0	440.0	441.0	442.0	443.0	444.0	445.0	446.0	447.0	448.0	449.0	450.0	451.0	452.0	453.0	454.0	455.0	456.0	457.0	458.0	459.0
460.0	461.0	462.0	463.0	464.0	465.0	466.0	467.0	468.0	469.0	470.0	471.0	472.0	473.0	474.0	475.0	476.0	477.0	478.0	479.0	480.0
481.0	482.0	483.0	484.0	485.0	486.0	487.0	488.0	489.0	490.0	491.0	492.0	493.0	494.0	495.0	496.0	497.0	498.0	499.0	500.0	501.0
502.0	503.0	504.0	505.0	506.0	507.0	508.0	509.0	510.0	511.0	512.0	513.0	514.0	515.0	516.0	517.0	518.0	519.0	520.0	521.0	522.0
523.0	524.0	525.0	526.0	527.0	528.0	529.0	530.0	531.0	532.0	533.0	534.0	535.0	536.0	537.0	538.0	539.0	540.0	541.0	542.0	543.0
544.0	545.0	546.0	547.0	548.0	549.0	550.0	551.0	552.0	553.0	554.0	555.0	556.0	557.0	558.0	559.0	560.0	561.0	562.0	563.0	564.0
565.0	566.0	567.0	568.0	569.0	570.0	571.0	572.0	573.0	574.0	575.0	576.0	577.0	578.0	579.0	580.0	581.0	582.0	583.0	584.0	585.0
586.0	587.0	588.0	589.0	590.0	591.0	592.0	593.0	594.0	595.0	596.0	597.0	598.0	599.0	600.0	601.0	602.0	603.0	604.0	605.0	606.0
607.0	608.0	609.0	610.0	611.0	612.0	613.0	614.0	615.0	616.0	617.0	618.0	619.0	620.0	621.0	622.0	623.0	624.0	625.0	626.0	627.0
628.0	629.0	630.0	631.0	632.0	633.0	634.0	635.0	636.0	637.0	638.0	639.0	640.0	641.0	642.0	643.0	644.0	645.0	646.0	647.0	648.0
649.0	650.0	651.0	652.0	653.0	654.0	655.0	656.0	657.0	658.0	659.0	660.0	661.0	662.0	663.0	664.0	665.0	666.0	667.0	668.0	669.0
670.0	671.0	672.0	673.0	674.0	675.0	676.0	677.0	678.0	679.0	680.0	681.0	682.0	683.0	684.0	685.0	686.0	687.0	688.0	689.0	690.0
691.0	692.0	693.0	694.0	695.0	696.0	697.0	698.0	699.0	700.0	701.0	702.0	703.0	704.0	705.0	706.0	707.0	708.0	709.0	710.0	711.0
712.0	713.0	714.0	715.0	716.0	717.0	718.0	719.0	720.0	721.0	722.0	723.0	724.0	725.0	726.0	727.0	728.0	729.0	730.0	731.0	732.0
733.0	734.0	735.0	736.0	737.0	738.0	739.0	740.0	741.0	742.0	743.0	744.0	745.0	746.0	747.0	748.0	749.0	750.0	751.0	752.0	753.0
754.0	755.0	756.0	757.0	758.0	759.0	760.0	761.0	762.0	763.0	764.0	765.0	766.0	767.0	768.0	769.0	770.0	771.0	772.0	773.0	774.0
775.0	776.0	777.0	778.0	779.0	780.0	781.0	782.0	783.0	784.0	785.0	786.0	787.0	788.0	789.0	790.0	791.0	792.0	793.0	794.0	795.0
796.0	797.0	798.0	799.0	800.0	801.0	802.0	803.0	804.0	805.0	806.0	807.0	808.0	809.0	810.0	811.0	812.0	813.0	814.0	815.0	816.0
817.0	818.0	819.0	820.0	821.0	822.0	823.0	824.0	825.0	826.0	827.0	828.0	829.0	830.0	831.0	832.0	833.0	834.0	835.0	836.0	837.0
838.0	839.0	840.0	841.0	842.0	843.0	844.0	845.0	846.0	847.0	848.0	849.0	850.0	851.0	852.0	853.0	854.0	855.0	856.0	857.0	858.0
859.0	860.0	861.0	862.0	863.0	864.0	865.0	866.0	867.0	868.0	869.0	870.0	871.0	872.0	873.0	874.0	875.0	876.0	877.0	878.0	879.0
880.0	881.0	882.0	883.0	884.0	885.0	886.0	887.0	888.0	889.0	890.0	891.0	892.0	893.0	894.0	895.0	896.0	897.0	898.0	899.0	900.0

NEW YORK AIRPORT







UNITED STATES DEPARTMENT OF AGRICULTURE  
WASHINGTON, D. C.

# CEILING VERSUS VISIBILITY

TABLE 1. —

1911

1912

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.
21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.
41.	42.	43.	44.	45.	46.	47.	48.	49.	50.	51.	52.	53.	54.	55.	56.	57.	58.	59.	60.
61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	74.	75.	76.	77.	78.	79.	80.
81.	82.	83.	84.	85.	86.	87.	88.	89.	90.	91.	92.	93.	94.	95.	96.	97.	98.	99.	100.





















CEILING VERSUS VISIBILITY

WALTHAM, MASSACHUSETTS

75-11

1951

WALTHAM, MASSACHUSETTS  
WALTHAM, MASSACHUSETTS

1951

20.0	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
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NOTES ON THE INTERPRETATION OF THESE DATA



WIND METEOROLOGICAL ANCH  
F. 130  
WINDMETER OF 120.7 MAC

# CEILING VERSUS VISIBILITY

WINDMETER OF 120.7 MAC

73-37

W

WINDMETER OF 120.7 MAC

1 7-1937

21.0	21.0	21.1	21.1	21.1	21.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
24.7	24.8	24.8	24.7	24.7	24.8	25.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
26.3	26.6	26.0	26.1	26.1	26.3	26.5	26.5	26.7	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
26.9	26.7	26.4	26.3	26.3	26.4	26.6	26.6	26.7	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
26.8	26.1	26.4	26.5	26.5	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
26.7	26.5	26.7	26.3	26.9	26.9	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
27.2	27.7	26.1	26.1	26.1	26.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
28.5	28.2	27.4	27.5	28.5	28.6	28.9	28.9	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
28.7	30.0	30.2	30.3	30.7	30.5	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	33.0	33.2	33.3	33.3	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
32.7	33.1	33.2	33.4	33.4	33.5	33.8	33.8	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
32.7	33.6	33.9	34.0	34.0	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
33.1	34.2	34.4	34.5	34.5	34.7	34.9	34.9	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
34.5	35.3	35.1	36.3	36.3	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
39.9	40.5	41.1	41.3	41.3	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
41.7	44.0	44.7	44.4	44.7	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
44.5	47.3	47.7	47.8	48.2	48.5	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
49.7	50.2	54.1	54.4	55.1	55.5	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
51.1	53.1	53.7	56.4	57.0	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
55.5	60.3	61.9	62.5	67.3	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
60.3	63.8	69.2	69.7	73.5	71.1	71.5	71.6	71.6	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
72.5	67.7	71.9	73.1	74.0	74.7	75.5	75.5	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
83.3	71.6	74.7	75.1	76.3	77.2	77.8	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
85.1	73.5	75.4	77.2	78.6	79.9	80.7	80.8	80.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
86.7	74.7	77.7	78.3	79.9	81.1	81.9	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
87.3	76.5	79.9	81.1	81.7	83.2	84.1	84.9	84.5	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
87.3	77.7	80.8	82.2	84.1	85.5	86.8	87.4	87.4	87.7	87.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
89.2	79.8	82.5	84.5	86.7	88.2	89.7	90.2	90.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
89.3	81.5	83.1	85.5	87.4	88.2	91.9	91.8	91.7	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
89.4	81.1	83.3	85.8	87.7	89.8	91.5	92.3	92.4	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
89.5	80.2	83.4	85.9	87.8	89.9	91.6	92.5	92.6	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
89.6	80.5	83.9	86.3	88.3	90.3	92.2	93.1	93.2	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

WINDMETER OF 120.7 MAC







WIND DIRECTION - 125  
WIND VELOCITY - 10

# CEILING VERSUS VISIBILITY

WIND DIRECTION - 125

WIND VELOCITY - 10

WIND DIRECTION - 125

WIND VELOCITY - 10

24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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WALL CATHARTICALLY FRANCH  
METAC  
WEATHER SERVICE, INC.

# CEILING VERSUS VISIBILITY

2

DATE: 12/11/50

73-

20

WALL CATHARTICALLY FRANCH  
METAC  
WEATHER SERVICE, INC.

100-570

25.4	27.9	29.5	29.2	29.4	29.5	29.5	30.0	31.0	30.0	30.7	30.7	30.7	30.7	30.7	30.7
24.6	27.2	27.9	30.6	31.1	31.2	31.2	31.9	31.7	31.9	31.7	31.9	31.9	31.9	31.9	31.9
24.1	26.3	30.7	31.0	31.2	31.3	31.3	31.7	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9
24.5	27.7	30.4	31.4	31.5	31.7	31.7	32.2	32.7	32.4	32.4	32.4	32.4	32.4	32.4	32.4
23.1	30.7	31.4	31.6	31.8	31.7	31.7	32.4	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6
25.7	31.2	31.3	31.6	31.8	31.8	32.0	32.5	32.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8
25.5	31.6	31.7	31.8	32.7	32.7	32.7	32.8	33.3	33.7	33.5	33.5	33.5	33.5	33.5	33.5
25.7	32.6	31.7	32.7	32.7	33.1	33.0	32.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7
25.8	32.5	33.9	34.7	34.9	35.2	35.2	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7
27.1	34.1	35.1	36.4	36.7	36.8	36.8	37.2	37.7	37.4	37.4	37.4	37.4	37.4	37.4	37.4
27.2	34.7	35.7	37.0	37.2	37.3	37.3	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0
27.3	35.2	36.2	37.5	37.9	38.1	38.2	38.4	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.6
28.9	35.6	37.5	39.2	39.5	39.6	39.6	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3
29.7	37.5	38.5	40.2	40.5	40.9	40.9	41.4	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6
30.5	39.8	41.1	42.7	43.4	43.5	43.5	43.7	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
31.4	41.7	42.9	44.6	45.2	45.3	45.7	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3
32.5	43.2	44.5	46.5	47.5	47.7	47.7	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7
34.5	46.2	47.7	50.0	50.4	52.5	52.9	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8
34.4	47.4	48.7	52.0	53.5	53.7	54.2	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
37.4	49.9	50.7	55.2	56.7	57.1	57.8	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9
38.1	52.7	55.2	56.6	57.5	61.3	62.1	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7
39.2	55.3	57.4	62.3	64.3	65.2	66.5	67.8	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3
39.3	55.9	58.9	62.9	64.5	65.8	67.2	68.6	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
39.7	55.4	61.3	65.0	67.3	68.3	69.9	71.5	72.7	72.4	72.6	72.6	73.0	73.0	73.1	73.1
39.5	57.3	61.5	67.2	71.1	71.1	72.9	74.4	75.0	75.5	75.9	75.9	76.3	76.3	76.5	76.5
40.3	58.4	63.2	69.6	73.1	74.2	76.5	78.3	79.3	80.7	80.9	80.9	81.4	81.4	81.7	81.7
40.5	59.7	64.9	72.3	75.3	76.7	79.7	81.7	83.7	84.5	84.7	84.7	85.4	85.4	85.7	85.7
41.5	61.2	65.3	72.4	76.2	77.6	80.6	83.5	85.1	85.6	87.3	87.3	88.4	88.4	88.7	88.7
41.7	61.7	66.2	73.3	77.1	78.5	81.9	84.9	86.4	86.1	89.8	89.8	91.3	91.3	91.8	91.8
41.1	61.0	66.7	73.9	77.6	79.0	83.0	86.3	87.8	91.5	92.5	92.7	94.2	94.2	95.7	95.7
41.1	61.0	65.7	74.0	77.9	79.4	83.8	86.8	88.4	91.5	93.6	93.5	95.6	95.6	96.8	96.8
41.1	61.0	66.7	74.0	77.9	79.4	83.4	86.9	88.5	91.9	94.1	94.2	97.4	97.4	99.7	99.7

WALL CATHARTICALLY FRANCH

11





OFFICE OF NATIONAL MANCH  
FATH

# CEILING VERSUS VISIBILITY

APRIL 1954

73-51

24

STATION: ... AREA: ...

31.0	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6	36.8	37.0	37.2	37.4	37.6	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.4	61.6	61.8	62.0	62.2	62.4	62.6	62.8	63.0	63.2	63.4	63.6	63.8	64.0	64.2	64.4	64.6	64.8	65.0	65.2	65.4	65.6	65.8	66.0	66.2	66.4	66.6	66.8	67.0	67.2	67.4	67.6	67.8	68.0	68.2	68.4	68.6	68.8	69.0	69.2	69.4	69.6	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.4	71.6	71.8	72.0	72.2	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6	78.8	79.0	79.2	79.4	79.6	79.8	80.0	80.2	80.4	80.6	80.8	81.0	81.2	81.4	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.2	86.4	86.6	86.8	87.0	87.2	87.4	87.6	87.8	88.0	88.2	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4	95.6	95.8	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.4	97.6	97.8	98.0	98.2	98.4	98.6	98.8	99.0	99.2	99.4	99.6	99.8	100.0
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TOTAL NUMBER OF OBSERVATIONS: 100

UNITED STATES AIR FORCE  
HEADQUARTERS, WASHINGTON, D. C.

# CEILING VERSUS VISIBILITY

UNITED STATES AIR FORCE

7-57

HEADQUARTERS, WASHINGTON, D. C.

7-57

30.7	31.0	31.3	31.6	31.9	32.2	32.5	32.8	33.1	33.4	33.7	34.0	34.3	34.6	34.9	35.2	35.5	35.8	36.1	36.4	36.7	37.0	37.3	37.6	37.9	38.2	38.5	38.8	39.1	39.4	39.7	40.0	40.3	40.6	40.9	41.2	41.5	41.8	42.1	42.4	42.7	43.0	43.3	43.6	43.9	44.2	44.5	44.8	45.1	45.4	45.7	46.0	46.3	46.6	46.9	47.2	47.5	47.8	48.1	48.4	48.7	49.0	49.3	49.6	49.9	50.2	50.5	50.8	51.1	51.4	51.7	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.3	55.6	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58.0	58.3	58.6	58.9	59.2	59.5	59.8	60.1	60.4	60.7	61.0	61.3	61.6	61.9	62.2	62.5	62.8	63.1	63.4	63.7	64.0	64.3	64.6	64.9	65.2	65.5	65.8	66.1	66.4	66.7	67.0	67.3	67.6	67.9	68.2	68.5	68.8	69.1	69.4	69.7	70.0	70.3	70.6	70.9	71.2	71.5	71.8	72.1	72.4	72.7	73.0	73.3	73.6	73.9	74.2	74.5	74.8	75.1	75.4	75.7	76.0	76.3	76.6	76.9	77.2	77.5	77.8	78.1	78.4	78.7	79.0	79.3	79.6	79.9	80.2	80.5	80.8	81.1	81.4	81.7	82.0	82.3	82.6	82.9	83.2	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7	88.0	88.3	88.6	88.9	89.2	89.5	89.8	90.1	90.4	90.7	91.0	91.3	91.6	91.9	92.2	92.5	92.8	93.1	93.4	93.7	94.0	94.3	94.6	94.9	95.2	95.5	95.8	96.1	96.4	96.7	97.0	97.3	97.6	97.9	98.2	98.5	98.8	99.1	99.4	99.7	100.0
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U.S. AIR FORCE WEATHER SERVICE  
WALLINGFORD AIRFIELD

# CEILING VERSUS VISIBILITY

STATION: WENHAM AF

73-1

1954

ALL

27.0	31.0	32.7	33.6	33.8	33.9	34.1	34.3	34.5	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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TOTAL SKY COVER

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

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

FEDERAL METEOROLOGICAL BUREAU  
 WASHINGTON, D. C.  
 WASHINGTON FIELD OFFICE

# SKY COVER

STATION: LAURENSVILLE AIR STATION

17-3

34

STATION

STATION NAME

OFFICE

OFFICE

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										YEAR TOTAL PERCENTAGE	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
10-15	1-15	12.0			17.6			1.0			17.1	27.0	12.0	64
10-15	16-30	14.0			20.4						16.5	21.0	14.0	60
10-15	1-30	13.0			19.0						15.8	24.4	13.0	64
10-15	31-11	14.0			20.1						15.0	22.0	14.0	60
11-14	1-14	14.0			17.4						17.1	22.7	14.0	67
11-14	15-29	15.4			19.4						23.1	25.7	15.4	60
11-14	30-14	14.7			19.7						16.8	22.7	14.7	63
11-14	15-31	12.1			17.2						16.2	21.4	12.1	60
TOTALS		13.2			17.4			1.0			16.5	21.1	13.2	657

REPORT OF WEATHER  
 STATION  
 WEATHER SERVICE

**SKY COVER**

DATE: 01-17-64 STATION NAME: AFB, TX PERIOD: 1-1-64 TO 1-17-64

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
1-1	1-1	40.7			20.1						40.7	40.7	10.1	17
1-2	1-2	21.0			20.7						44.0	41.0	10.7	17
1-3	1-3	17.2			20.4						17.2	40.3	10.3	17
1-4	1-4	11.0			24.4						24.5	37.9	10.9	17
1-5	1-5	10.7			20.0						20.0	40.0	10.0	17
1-6	1-6	0.1			24.4						20.1	41.0	10.7	17
1-7	1-7	10.3			20.0						20.4	40.3	10.0	17
1-8	1-8	10.9			20.7						21.4	37.3	10.3	17
TOTALS		10.1			23.0						20.0	40.0	10.0	170

U.S. AIR FORCE METEOROLOGICAL SERVICE  
 WEATHER SERVICE/FAO

# SKY COVER

STATION: DAFS WASHINGTON AFB A4

12-5-63

03

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN SKY COVER PERCENT	TOTAL OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
	4-11	14.3			17.0							16.0	47.7	7.1	47
	5-10	14.7			18.1							16.1	47.1	7.0	47
	6-11	7.5			14.6							24.7	47.4	7.0	44
	7-12	.6			7.0							16.7	31.4	6.0	37
	11-14	5.0			15.3							24.7	46.0	7.1	37
	15-17	5.7			14.7							18.9	33.0	6.1	37
	16-20	4.7			17.1							8.2	31.1	6.0	37
	1-23	7.6			17.6							25.1	37.7	7.0	44
TOTALS					17.2							22.7	37.8	7.0	44

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

# SKY COVER

STATION: CAHILL WHEELER AFB AR          REF ID: 27-61          DATE: 1961

### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE TOTAL SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
4-30	5-2	10.7			11.6						15.7	27.0	7.4	5
	5-8	5.7			12.0						22.1	31.3	8.0	8
	5-11	2.4			16.7						24.1	27.7	10.4	10
	5-13	10.7			14.5						18.7	24.2	8.4	10
	11-14	10.3			11.7						17.7	24.3	8.4	10
	11-17	10.3			16.7						18.3	25.1	8.3	10
	11-20	10.7			16.3						23.2	27.7	10.4	10
	11-23	10.7			17.3						18.9	27.4	8.2	10
TOTALS		70.3			133.0						233.7	266.3	81.3	667

FEDERAL AVIATION ADMINISTRATION  
 FEDERAL BUREAU OF INVESTIGATION  
 WASHINGTON, D.C. 20535

# SKY COVER

STATION WALTERS DRIVE, WASHINGTON, D.C.

PERIOD 11-2-61

STATION NAME

OFFICE NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL PERCENTAGE		
		0	1	2	3	4	5	6	7	8	9		10	
11-2	00-01	4.0			11.0						5.0	49.0	7.0	86.0
	01-02	3.0			7.0						17.0	53.0	7.0	87.0
	02-03	1.0			4.0						21.0	57.0	8.0	86.0
	03-04	1.0			7.0						17.0	58.0	8.0	83.0
	04-05	2.0			9.0						25.0	52.0	7.0	84.0
	05-06	3.0			10.0						31.0	51.0	8.0	85.0
	06-07	1.0			1.0						21.0	44.0	7.0	73.0
	07-08	1.0			11.0						26.0	49.0	7.0	83.0
TOTALS		1.0			49.4						17.4	51.7	8.1	61.4

WORLD WEATHER RECORDS BRANCH  
 WASHINGTON, D. C.  
 FORM NO. 12 (REV. 5/67)

SKY COVER

STATION: CASD EMMENHAM AFB WA  
 STATION NAME

73-91

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	0-12	1.2			12.4						21.1	67.3	3.7	204
	12-24	.8			23.8						12.0	53.4	4.7	244
JUL	0-12	.6			17.7						23.1	58.6	3.0	144
	12-24	.8			9.5						32.3	57.4	3.7	154
AUG	12-24	.9			17.1						18.0	51.0	3.7	118
SEP	12-24	1.4			14.1						27.1	57.5	3.4	217
OCT	0-24	.2			17.7						24.6	52.9	3.9	404
	1-23	.7			11.0						24.1	54.0	3.0	274
TOTALS		2.9			11.7						27.9	53.1	3.5	1754

### SKY COVER

STATION: CAFFE WEALEHAM AFB AK      TIME: 7780      DATE: JUL 77

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE OF SKY COVER	TOTAL NO. OF HOURS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	0-10	1.2			11.4						17.7	59.7	6.9	25.9
	0-5	.1			10.5						17.4	71.7	8.9	7.1
	5-10	1.0			1.6						17.7	71.4	7.1	27.7
	10-11	1.7			8.5						12.1	67.6	8.6	11.6
	11-14	1.3			17.2						20.2	59.3	8.7	57.1
	14-17	1.3			17.2						27.9	55.6	8.5	55.4
	17-20	1.0			17.4						11.7	63.6	8.7	67.4
	1-23	.7			13.0						19.5	55.0	8.9	27.1
TOTALS		1.0			11.2						1.3	65.3	8.9	74.3

FEDERAL BUREAU OF SURVEY  
 UNITED STATES DEPARTMENT OF COMMERCE  
 WEATHER SERVICE/AC

# SKY COVER

STATION: CAPE NEWENHAM AFS AF  
 STATION NAME: CAPE NEWENHAM AFS AF

73-92

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF TOTAL SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
	5-10	4.0			13.0						14.5	67.1	4.4	154
	5-11	3.1			17.4						37.1	14.4	7.5	114
	5-12	1.9			7.5						11.7	17.8	7.1	91
	5-13	1.6			5.9						22.1	59.4	3.1	91
	10-14	.7			11.9						14.3	63.1	7.9	114
	10-17	.6			11.9						16.7	57.7	7.9	87
	10-20	1.7			11.9						1.2	67.0	.9	72
	1-23	1.0			17.6						21.1	52.4	4.7	737
TOTALS		.			11.7						23.0	64.2	4.4	141

STATION: DART MOUNTAIN AFB TX DATE: 73-8

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS	TOTAL OCCUR.	
		0	1	2	3	4	5	6	7	8	9			10
11-11	0-11	3.7			13.9						25.3	25.9	1.4	57
	0-11	3.7			17.9					25.2	25.7	1.7	59	
	0-11	0.0			9.7					32.7	27.4	3.0	57	
	0-11	0.7			9.0					34.3	25.8	3.0	69	
	12-14	0.1			7.1					34.1	25.0	4.0	59	
	15-17	0.4			4.3					27.6	27.4	0.5	57	
	18-20	1.1			9.5					26.9	22.8	4.9	71	
	21-27	3.5			14.7					20.2	22.1	3.4	77	
TOTALS		1.6			11.2					22.0	25.1	1.7	121	

U.S. AIR FORCE  
 WEATHER DIVISION / AC

# SKY COVER

CANBY NEWENHAM AFB, VT

77-81

STATION

STATION NAME

PERIOD

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN		
		0	1	2	3	4	5	6	7	8	9	10	PERCENTAGE	WIND SPEED
10-1	7.0-7.5	0.1			11.2						25.5	47.0	7.7	
	7.5-8.0	5.0			17.0						25.3	37.1	7.7	
	8.0-8.5	7.5			14.6						7.5	35.0	7.4	
	8.5-9.0	2.4			12.7						33.5	37.4	7.7	
	9.0-9.5	0.5			17.0						32.7	37.5	7.7	
	9.5-10.0	0.5			17.0						36.5	44.4	7.7	
	10.0-10.5	7.6			11.1						34.4	37.0	7.5	74.0
	10.5-11.0	4.1			16.7						27.2	37.0	7.2	79.0
TOTALS		7.7			14.9						29.9	31.5	7.3	77.9

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/AFAC

SKY COVER

STATION: CAPE NEUNHAM AFB AK

PERIOD: 77-81

MONTH: 7

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTH OF TOTAL SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	0-7	1.4			11.3						19.2	13.0	7.4	47
	8-15	7.5			15.7						11.7	37.6	7.1	27
	16-23	7.7			11.2						23.5	6.8	7.7	38
	24-31	1.7			14.4						30.4	44.9	6.7	46
	10-14	4.2			17.4						31.3	31.0	4.3	38
	15-17	1.6			11.1						19.2	36.1	7.0	78
	18-20	3.1			10.7						22.8	31.2	7.0	73
	21-23	4.4			15.7						17.5	34.3	6.3	74
TOTALS		1.0			11.3						24.8	34.0	7.1	564

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/AFD

**SKY COVER**

STATION: CAPE WENHAM AFB AF 71-51 PERIOD: 1951-52

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
6-7	11.4				13.9						12.4	27.4	7.5	899
7-8	13.1				14.7						16.5	25.7	7.5	717
8-9	11.5				17.7						15.5	27.7	7.5	511
9-10	11.1				14.5						23.9	31.5	7.5	111
11-14	7.1				17.2						25.8	49.5	7.9	111
15-17	7.9				17.9						24.4	44.7	7.7	754
18-2	13.7				17.4						17.2	31.6	7.7	653
3-23	17.5				13.6						15.3	31.5	7.0	677
TOTALS	11.5				15.1						17.2	37.0	7.5	653

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

**SKY COVER**

STATION: CAFE NEWENHAM AFB AR REF ID: 77-9 MONTH: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL OCCUR- RENCES
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	1.0			10.0						21.0	17.1	7.0	167
FEB		1.1			23.0						21.0	41.0	6.0	114
MAR		1.0			17.0						28.0	31.4	7.0	159
APR		3.0			14.0						23.0	56.3	7.3	105
MAY		.1			28.0						17.0	31.7	8.1	61
JUN		.0			27.0						28.0	37.1	7.8	75
JUL		1.0			11.0						11.3	35.5	7.8	74
AUG		.0			11.0						23.0	34.0	8.8	61
SEP		1.0			22.0						22.0	35.1	7.7	61
OCT		1.0			14.0						29.0	31.6	8.3	67
NOV		1.0			27.0						24.0	34.0	8.1	66
DEC		1.0			28.0						11.0	32.0	7.8	65
TOTALS		1.0			28.4						24.3	34.5	8.1	7124

## 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

E

3. 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 bottom 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.

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/IAC  
 75051 CAFE NEWENHAM AFB AK  
 STATION NAME

# DAILY TEMPERATURES

53-57

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
75							.4						.4
74							.7						.7
73					.1	.7	3.4	1.1	.2				1.4
72					.5	3.0	13.6	9.6	1.4				1.4
71					3.9	13.7	34.7	39.2	8.8				1.4
70	.1	.2			12.5	38.7	75.4	86.6	44.	1.9	.4	.1	71.1
69	.8	.5	.1	1.5	35.7	73.7	98.7	99.8	89.6	18.6	1.4	.5	83.7
68	2.2	3.1	3.7	13.6	57.7	94.7	100.0	100.0	97.7	50.6	17.5	4.9	48.4
67	11.3	22.6	23.1	4.8	85.2	100.0			100.0	76.7	48.6	25.6	50.3
66	33.3	41.1	50.3	71.4	97.4					91.3	58.3	45.7	75.3
65	63.6	51.5	62.8	83.1	89.8					97.5	91.2	58.8	83.2
64	70.4	61.1	72.7	91.1	100.0					99.2	89.6	66.7	87.7
63	75.7	67.2	79.9	95.5						100.0	93.4	75.7	91.5
62	81.3	77.1	87.9	99.0							96.3	83.5	93.5
61	85.6	83.4	93.2	99.7							99.7	89.7	95.9
60	91.0	90.2	96.4	100.0							99.9	94.6	97.7
59	95.7	96.1	97.8								100.	98.5	99.1
58	98.9	98.9	99.6									99.8	99.7
57	100.0	100.0	100.0									100.0	100.0
56													
55													
54													
53													
52													
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7													
6													
5													
4													
3													
2													
1													
0													
MEAN	24.7	21.3	25.3	31.7	41.4	47.2	53.3	53.0	49.0	38.7	31.0	24.1	37.
SD	14.57	14.48	11.96	7.88	6.82	5.76	5.25	4.89	4.22	3.38	2.89	2.83	14.77
TOTAL OBS	723	343	723	720	770	713	710	663	662	777	712	775	5393

U.S. AIR FORCE  
 USAFETAC  
 AIR WEATHER SERVICE/AFAC  
 11700 CAPT NEWENHAM AFB TX  
 STATION NAME

# DAILY TEMPERATURES

53-07

YEARS

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM DAILY OBSERVATIONS

1911-1957

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A
35						.1	1.6	.5					.1
4					.3	1.5	14.5	25.1	30.1	.2			.2
4					1.3	17.7	59.7	83.8	90.6	2.5			1.4
4	.8	.2		.1	12.3	64.0	97.1	99.8	91.8	15.6	1.9		3.4
35	6.4	2.5	1.4	6.0	43.6	91.7	100.0	100.0	96.5	43.1	14.5	3.4	40.1
32	12.3	7.2	5.3	12.8	59.7	96.5			98.4	55.3	23.9	7.7	40.1
31	23.0	16.5	18.1	29.3	81.7	99.9			99.4	71.1	38.5	17.6	50.1
30	41.4	33.0	36.1	53.5	86.6	100.0			100.0	87.9	55.6	30.7	57.7
29	50.7	38.7	48.1	69.3	93.9					95.0	71.8	43.1	74.7
19	58.4	47.1	57.8	81.6	100.0					98.6	82.0	53.7	81.0
18	66.5	57.4	67.0	90.6						99.8	88.9	67.4	83.0
17	73.2	65.6	76.9	98.9						100.0	95.8	73.6	90.4
16	78.4	72.2	85.7	98.9							98.5	83.0	93.1
15	85.6	83.7	92.7	99.9							99.9	90.1	95.1
-10	93.2	92.2	95.5	100.0							100.0	97.1	98.1
-15	97.9	96.7	98.0									98.9	99.4
-20	99.7	99.7	99.9									100.0	99.9
-25	100.0	100.0	100.0										100.0
MEAN	15.7	12.0	15.4	23.2	35.8	47.5	45.6	47.5	43.2	32.8	24.3	14.8	25.1
TOTAL OBS	723	543	778	720	794	733	731	665	692	673	717	757	877

2  
1

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 3000 FTAC  
 AIR WEATHER SERVICE/MAO  
 3000 FTAC CAPE MEVENHAM AFB AK  
 STATION NAME

# DAILY TEMPERATURES

53-07

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60					.1	.1	2.1	.8	.2				.2
55					.3	2.3	14.0	10.8	2.3				.7
50					2.6	14.5	46.1	63.3	27.2				11.1
45	.5	.2			11.6	50.8	91.7	98.5	71.6	7.5			20.0
40	0.8	1.4	.5	2.9	38.2	85.2	100.0	100.0	55.1	31.1	7.1	.6	37.7
35	10.2	9.5	8.9	19.4	71.3	98.6			89.2	82.7	29.3	10.5	61.6
30	36.8	27.5	33.8	50.7	94.2	100.0			100.0	93.9	51.8	28.3	67.1
25	52.1	39.8	48.6	71.3	98.4					95.2	71.7	44.5	70.1
20	60.6	43.8	60.6	82.8	100.0					98.2	82.5	56.4	72.1
15	69.0	57.7	70.2	91.7						99.7	9.0	66.7	77.1
10	75.0	63.1	78.7	96.9						100.0	74.2	75.4	81.7
5	80.6	70.4	88.2	98.9							85.0	83.5	88.6
0	85.8	82.3	93.1	100.0							99.3	90.2	95.1
-5	92.3	91.4	96.2								100.0	96.1	97.1
-10	97.6	96.9	98.2									96.8	99.1
-15	99.2	99.7	99.9									99.9	99.9
-20	100.0	100.0	100.0									100.0	100.0
MEAN	30.4	17.5	20.8	27.7	37.3	44.6	45.8	47.5	46.4	36.1	20.2	19.7	33.3
SD	10.7	14.7	12.5	11.5	11.7	11.7	11.5	11.7	11.5	10.4	9.4	11.4	11.6
TOTAL HRS	723	643	726	723	771	713	712	665	662	757	719	775	699

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL CENTER FOR ENVIRONMENTAL DATA  
 STATE OF MISSISSIPPI

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION CAROL WENDELLHAM AFB MS STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_

WIND SPEEDS IN MPH

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
60													
61	31*	32*	43	45*	41					47*		43*	
62	41	40	41*	39	45	53*	63	50	50	44	52*	47	
63	37	37	38	46	49	50	71	54*	50	40	51	51	
64	33	43	30	45*	56	50	51	60	61	47	44*	37	
65	33	43	30	45	49*	48*	50	50	50	47	40	37	
66	41	44	40*	39	59	65	61	64	58	47	40	37	
67	44	34	37	45	54	50	61	63	53	47	42	40	
68	42	44	42	43	40	60*	60*	61	52	46	44	40	
69	31	39	40	43	57	59	65	58	65	40	30	40	
70	33	39*	32		*	47		*		44*	31		
71				43	47	58*	61						
72	37*	36*	47*	44	56	60	63*	54					
73					57*	57		*		40*	40*		
74	39*	27		*	52			*		30*	30*		
75	39						*	51	57	49	51	40	
76	41	41	43	38	45	53	64	58	52	44	43	40	
77	41	34	33	30	43*	58*	63*	66	52	41	40	30	
78	37	36	42	36*	48*	54*	62	58	42	47	44	30	
79	40*	36	48*	44*	59*	54	64	52	60	42	42	37	
80	34	36	35*	45	48*	57*	60	57	54*	50	41	30	
81	34	38	37	43	48	63	61	61	55	47	41	30	
82	41	39	41	37	43	54	47	70	57	49	45	30	
83	41	40	38	47	52	57	61	60	50	45	43	30	
84	40	38	42	47	60	59	60	54	62	52	40	30	
85	44	44	38	44	57	61	73	62	55	47	40	30	
86	40	41	42	44	61	61	59	65	57	50	42	30	
87	37	43	38	39	43	57	59	54	55	48	43	41	
MEAN	40.2	40.2	39.6	42.2	51.0	59.2	64.7	62.4	66.7	47.9	40.3	40.4	46.0
S.D.	4.022	4.053	3.093	3.772	6.231	4.923	4.441	3.955	4.040	2.700	2.002	3.001	3.654
TOTAL OBS	723	643	728	723	77	73	73	550	663	797	712	770	3079

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) JUL 64

# (AT LEAST ONE DAY LESS THAN 24 OBS)

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

WORLD DATA CENTER

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1948	-16	-15	-2	12	42	17	10	10	10	10	10	10	10
1949	-17	-11	-10	-10	10	10	10	10	10	10	10	10	10
1950	-10	-19	-17	-6	10	10	10	10	10	10	10	10	10
1951	-11	-14	-4	10	10	10	10	10	10	10	10	10	10
1952	-11	4	-4	1	10	10	10	10	10	10	10	10	10
1953	-11	-11	-10	1	10	10	10	10	10	10	10	10	10
1954	-11	-6	-7	7	10	10	10	10	10	10	10	10	10
1955	-11	-4	1	1	10	10	10	10	10	10	10	10	10
1956	-11	-5	-6	1	10	10	10	10	10	10	10	10	10
1957	-11	-10	-11	1	10	10	10	10	10	10	10	10	10
1958	-11	-10	-14	1	10	10	10	10	10	10	10	10	10
1959	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1960	-11	-17	-10	1	10	10	10	10	10	10	10	10	10
1961	-11	-11	-5	1	10	10	10	10	10	10	10	10	10
1962	-11	-5	-1	10	10	10	10	10	10	10	10	10	10
1963	-11	-10	-11	1	10	10	10	10	10	10	10	10	10
1964	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1965	-11	-17	-8	1	10	10	10	10	10	10	10	10	10
1966	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1967	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1968	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1969	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1970	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1971	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1972	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1973	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1974	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1975	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1976	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1977	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1978	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1979	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1980	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1981	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1982	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1983	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1984	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1985	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1986	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1987	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1988	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1989	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1990	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1991	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1992	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1993	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1994	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1995	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1996	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1997	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1998	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
1999	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2000	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2001	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2002	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2003	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2004	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2005	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2006	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2007	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2008	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2009	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2010	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2011	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2012	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2013	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2014	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2015	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2016	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2017	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2018	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2019	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2020	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2021	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2022	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2023	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2024	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2025	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2026	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2027	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2028	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2029	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
2030	-11	-10	-10	1	10	10	10	10	10	10	10	10	10
MEAN	-0.4	-0.1	-0.5	0.9	6.0	34.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
S.D.	1.1	1.2	0.8	0.8	4.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
TOTAL OBS.	73	73	73	73	73	73	73	73	73	73	73	73	73

NOTES: (1) LAST 30 DAYS OF EACH FULL MONTH

USAF ETAC FORM 0885 (OLA)

(AT LEAST ONE DAY LESS THAN 2000)



GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

703050 CAPE NEWENHAM AFS AK 73-82 JAN  
 PAGE 2 8000-0000

Temp	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL																																																																																																																																																																																																																																																																	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	FB * B	DB * R	WB * R	WB * F																																																																																																																																																																																																																																																	
27/-23																																									0																																																																																																																																																																																																																																																				
24/-25																																													4																																																																																																																																																																																																																																																
25/-27																																														1																																																																																																																																																																																																																																															
25/-22																																														1																																																																																																																																																																																																																																															
31/-31																																																2																																																																																																																																																																																																																																													
22/-33																																																	1																																																																																																																																																																																																																																												
34/-39																																																	2																																																																																																																																																																																																																																												
TOTAL	31.2																																			61.4																																			6.9																																			.5																																			850																																			850																																			850																																			850																																							

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s_x$	No. Obs	Mean No. of Hours with Temperature				Total		
						> 10 F	> 10 F	> 15 F	> 15 F	> 20 F	> 20 F	
Rel Hum	5680640	68774	80.931	694	850							
Dry Bulb	620584	19254	22.714	977	850	13.3	62.4					93
Wet Bulb	574017	18339	21.614	494	850	14.1	69.8					93
Dew Point	504627	14949	17.616	873	850	18.2	64.5					93



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73050 CAPE NEWENHAM AFS AK

73-32

JAN

PAGE 2 0300-0600

Temp F	WET BULB TEMPERATURE DEPRESSION F																								TOTAL D.B. W.B. D.W.B.	TOTAL W.B. D.W.B.														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			25	26	27	28	29	30	31	32						
24/-25																																							5	
26/-27																																								7
28/-29																																								3
31/-31																																								4
33/-33																																								2
42/-43																																								1
44/-45																																								2
TOTAL	33	65	9	5	6	6	3																													929	929	929	929	

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs	Mean No. of Hours with Temperature	
Rel Hum	6008343	72931	80.213	134	929		
Dry Bulb	642411	19579	1.525	437	929	15.1	64.9
Wet Bulb	591264	18762	20.614	289	929	15.8	71.4
Dew Point	53325	14849	16.417	873	929	20.2	81.4







AD-A131 192

CAPE NEWENHAM AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83

4/5

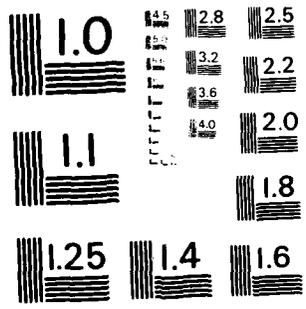
UNCLASSIFIED

USAFETAC/DS-83/019 SBI-AD-E850 397

F/G 4/2

NL

The table area is a grid of 10 columns and 15 rows. All cells in this grid are completely blacked out, representing a full-page redaction of the data that would otherwise be present in the report.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 APO WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

ZL3350 CAPE NEWENHAM AFS AK  
STATION NAME

73-32

JAN

PAGE 0 0950-1100

Time	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB-WB	Wet Bulb	DB-F
10/27-27																										4									
10/28-29																										5									
10/29-31																										1									
10/32-33																										2									
10/42-43																										1									
TOTAL	31.059.8.8.7.4.																								919	919									

Element	Σx	Σx <sup>2</sup>	$\bar{x}$	s <sup>2</sup>	No. Obs	Metric No. of Hours with Temperature			
Air Hum	5978078.	73284.	79.712.090.		919				
Wet Bulb	660488.	20244.	22.015.288.		919	14.2	63.6		93
Wet Bulb	601068.	19244.	23.914.752.		919	15.5	71.8		93
Dew Point	527968.	15244.	16.617.269.		919	19.2	85.8		93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

733050 CAPE NEWENHAM AFS AK

73-32

JAN

PAGE 1 1275-1400

Time	WET BULB TEMPERATURE DEPRESSION, F																								TOTAL		TOTAL	TOTAL									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			27	28	29	30	31	DB	WB	DB	WB
00/ 41			.1	.7																													7	7			
01/ 39			2.4	1.4																													35	35	5		
02/ 37			5.7	1.3																													64	64	77	3	
03/ 35		.4	8.5	2.7																													107	107	64	25	
04/ 33		1.1	6.5	1.7																													89	89	125	53	
05/ 31		1.5	1.3	1.1																														119	119	96	142
06/ 29		2.5	3.5	.5	.1																													64	64	100	70
07/ 27		2.5	2.9	.2																														52	52	56	73
08/ 25		.7	2.6	.3																														33	33	76	77
09/ 23		.7	2.7	.1																														32	32	43	25
10/ 21		.7	1.6																															23	23	74	29
11/ 19		.1	1.2																															12	12	16	48
12/ 17		.9	.8																															15	15	13	19
13/ 15		.3	2.7																															28	23	16	26
14/ 13		.4	1.4																															17	17	26	27
15/ 11		.1	1.7																															17	17	12	14
16/ 9		.1	1.2	.1																														13	13	16	15
17/ 7		.2	.9																															10	10	15	14
18/ 5		.3	.8																															10	10	7	13
19/ 3		.2	1.1																															12	12	12	13
20/ 1		.9	3.7																															36	36	26	14
21/ -1		1.8	.7																															23	23	33	10
22/ -3		.8	.8																															14	14	15	14
23/ -5		2.3	1.1																															31	31	31	11
24/ -7		1.3	.2																															14	14	16	17
25/ -9		1.3																																17	17	16	14
26/ -11		1.4																																13	13	13	25
27/ -13		.4																																4	4	4	10
28/ -15		.3																																3	3	3	25
29/ -17		.3																																3	3	3	14
30/ -19		.2																																2	2	2	13
31/ -21		.1																																1	1	1	11
32/ -23																																					5
33/ -25																																					11
Element	X	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	N	O <sub>1</sub>	Mean, N, of Hours with Temperature																													
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703050 CAFE NEWENHAM AFS AK

73-62

JAN

PAGE 1 1950-1700

WET BULB TEMPERATURE DEPRESSION F	TOTAL												TOTAL				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14			
-24/-25																	0
-26/-27																	0
-28/-29																	0
-30/-31																	0
-32/-33																	0
-34/-35																	0
-36/-37																	0
-38/-39																	0
-40/-41																	0
-42/-43																	0
-44/-45																	0
-46/-47																	0
-48/-49																	0
-50/-51																	0
-52/-53																	0
-54/-55																	0
-56/-57																	0
TOTAL	26.4	64.8	8.6	.1													801
																	801

Evaporation	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma^2$	No. Obs.	Mean Wet Bulb Temp	Mean W. Bulb Temp
5285131	65365	79.212	981	8.1			
602790	18482	22.515	90	8.1	13.8	53.0	93
648768	17514	21.314	823	8.1	14.8	71.0	95
49.468	13876	16.917	668	8.1	19.7	65.5	93











GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703250 CAPE NEWENHAM AFS AK

73-82

JAN

PAGE 7

ALL

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.	D.B.	W.B.	D.B.	W.B.	D.B.	W.B.	D.B.	W.B.		
20/-23																																			35
24/-25																																			34
26/-27																																			2
28/-29																																			15
27/-31																																			16
32/-33																																			6
34/-39																																			2
42/-43																																			3
44/-45																																			2
46/-47																																			2
57/-51																																			2
56/-52																																			2
TOTAL	30	06	1.5	8.3	0.2																														6585
																																			6585

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs	Mean No. of Hours with Temperature						Total
						0 F	10 F	20 F	30 F	40 F	50 F	
Rel. Hum.	43505538	529212	80.412	167.	6585							
Dry Bulb	4852964	149480	22.714	890	6585	104.4	503.8					744
Wet Bulb	4435245	142133	21.618	410	6585	112.9	562.2					744
Dew Point	3905548	114976	17.516	979	6585	148.9	578.5					744



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7-3390 CAPE NEWENHAM AFS AK

73-82

FEB

PAGE 2 0000-0200

Time	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB	WB	DB-B	Hours	Days												
16/-27																																	
20/-29																																	
7 /-31																																	
02/-33																																	
TOTAL	32	16	2	5	4												778		778	778													

Element	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature
Rel. Hum.	4934567	61345	78.811	.201	778	
DB (B)	432435	13837	17.815	.486	778	15.1 55.3
Wet Bulb	394185	13061	16.815	.304	778	17.4 72.4
Dew Point	341635	9543	12.317	.077	778	21.6 77.8

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

730550 CAPE MENENHAM AFS AK

73-82

FEB

PAGE 1 0300-0500

Temp (F)	RH (%)	Wet Bulb Temp (F)	Wet Bulb Temp Depression (F)	TOTAL	
				Wet Bulb Temp (F)	Total (F)
44/ 43			.2	2	5
42/ 41			.4	5	9
40/ 39			1.2	14	14
38/ 37	.1	1.8	.5	27	27
37/ 35	.5	6.7	1.1	63	63
34/ 33	1.1	5.4	.6	59	59
31/ 31	2.3	5.8	.5	71	71
29/ 29	2.2	4.9	.5	62	62
27/ 27	1.3	2.4	.2	33	33
26/ 25	1.2	1.1		16	16
24/ 23	.4	2.2		11	11
22/ 21		1.4	.4	19	19
19/ 19	.1	2.9	.1	16	16
18/ 17	.8	2.3		12	12
16/ 15	1.1	3.6		19	19
14/ 13	.7	2.3		25	25
11/ 11	1.1	4.0		42	42
10/ 9	.4	2.8	.2	28	28
7/ 7	1.4	1.6		25	25
5/ 5	1.4	.7		18	18
3/ 3	1.1	.5		13	13
1/ 1	.7	1.6		19	19
1/ -1	3.0	1.7		39	39
-1/ -3	2.2	.5		22	22
-4/ -5	3.0	.1		26	26
-6/ -7	1.4	.2		14	14
-7/ -9	1.3			11	11
-12/ -11	1.5			13	13
-17/ -13	1.3			11	11
-14/ -15	1.0			8	8
-16/ -17	1.1			9	9
-12/ -19	.7			6	6
-17/ -21					
-22/ -23					

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-82 FEB

PAGE 2 0300-2500

TIME	WET BULB TEMPERATURE DEPRESSION F																															TOTAL	TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DW	B	W	W	
01/24-25																																						
01/27-29																																						
TOTAL	34	4	4	0	5	5	1																															
																																				831	831	

Element	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s^2$	No. Obs	Wet Bulb Temperature		Total
						DB	WB	
Wet Bulb	5319397	65861	79.211	0.324	831	16.1	67.5	84
DB	455108	14660	17.615	0.386	831	16.9	71.6	84
WB	415301	13853	16.714	0.204	831	21.1	78.6	84



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

703050 CAPE WENENHAM AFB AK

73-52

FEB

PAGE 2 0600-0800

Time	WET BULB TEMPERATURE DEPRESSION F																								TOTAL													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB	WB	DB	WB	Wet-Bulb	Dew Pt
24/-25																																						41
26/-27																																					5	
28/-29																																					?	
TOTAL	36	159	2	4	7																														833	833	833	833

Ext. Hum.	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature		Total
						10 F	10 F	
Ext. Hum.	5356171	66107	79.510	.809	833			
Dew Bulb	451803	14400	17.415	.508	833	16.3	67.7	84
Wet Bulb	413337	13701	16.415	.27	833	15.8	72.9	84
Wet Bulb	358104	10040	12.116	.919	833	21.8	78.6	84







GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK 73-32 FEE  
 PAGE 9 1000-1400

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL DB WB DUB	TOTAL WB DUB	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			25
-10/-25																											2
-25/-27																											8
TOTAL																									29.560.410.0	839 839	

Element	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs	Min	Max	Temp. Range
DB WB	5184519.	55377.	77.910	.657.	839	12.8	60.3	47.5
WB DUB	507407.	16145.	19.215	.382.	839	13.8	57.7	43.9
DB WB	456100.	15122.	18.014	.801.	839	21.8	78.3	56.5
WB DUB	382752.	11215.	13.416	.669.	839	12.8	78.3	65.5



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

730050 CAPE MENENHAM AFS AK 73-02 85#  
 PAGE 2 1500-1700

		WET BULB TEMPERATURE DEPRESSION °F																														TOTAL		TOTAL		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB	WB	
-24/-25																																				
-22/-29																																				
TOTAL	29.362.4	8.3																														8.06	8.06	8.06	8.06	

Station	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No Obs	Mean	St Dev	Max	Min	Total
...	5060263	63319	78.610	571	806	...	...	...	...	...
...	477514	15512	19.214	911	806	11.3	62.5			64
...	430736	14592	18.114	360	806	13.3	68.9			64
...	360265	10957	13.616	202	806	21.6	78.5			64











GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/LMAC

**PSYCHROMETRIC SUMMARY**

ZOBUSC      CAPE NEWENHAM AFS AK      73-62      FEB  
 PAGE 1      ALL

TIME	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	PERCENT										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
-127-23																																			
-247-25																																			
-187-27																																			
-087-29																																			
-177-31																																			
-027-33																																			
TOTAL	32.4	61.3	6.3																																

Statistics	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Months with Temperature	Total
Observed	389516.00	484048	79.010	939.	6130		
Expected	308502.0	113158.	18.515	201.	6130	113.8	515.0
Standard Deviation	31867.0	1063.2	17.414	704.	6130	122.5	562.0
Total	27266.0	791.2	13.016	647	6130	177.6	625.4







GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK

73-82

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PAGE 2 0000-0500

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL			TOTAL 914	TOTAL 914	TOTAL 914
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	DB	WB	WB	WB	WB	WB	WB	WB	WB	WB				
TOTAL	25.76	9.9	4.4																											
Empty table body with 27 columns for wet bulb temperature depression (1-2 to 31-32) and 3 columns for totals (TOTAL, WB, WB).																														
Excess H	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$\sigma^2$	No. Obs	Mean No. H. by Wet Temperature				WET BULB TEMPERATURE				WET BULB TEMPERATURE				WET BULB TEMPERATURE				Total								
Excess H	6222305	74051	62.0	9.133	914	60 F	65 F	70 F	75 F	80 F	85 F	90 F	95 F	100 F	105 F	110 F	115 F	120 F	125 F	130 F	135 F	140 F	145 F	150 F	155 F	160 F	165 F	170 F	93	
DW B	592757	20101	22.012	.861	914	60 F	65 F	70 F	75 F	80 F	85 F	90 F	95 F	100 F	105 F	110 F	115 F	120 F	125 F	130 F	135 F	140 F	145 F	150 F	155 F	160 F	165 F	170 F	93	
wet B	582929	19149	21.012	.860	914	60 F	65 F	70 F	75 F	80 F	85 F	90 F	95 F	100 F	105 F	110 F	115 F	120 F	125 F	130 F	135 F	140 F	145 F	150 F	155 F	160 F	165 F	170 F	93	
Excess H	452561	15773	17.334	.255	914	60 F	65 F	70 F	75 F	80 F	85 F	90 F	95 F	100 F	105 F	110 F	115 F	120 F	125 F	130 F	135 F	140 F	145 F	150 F	155 F	160 F	165 F	170 F	93	











FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK

73-82

MAR

PAGE 2 1270-1400

Time	WET BULB TEMPERATURE DEPRESSION F																								TOTAL	TOTAL																																																																																																																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	TOTAL																																																	
01-07-29																																									928	928																																																																																																												
TOTAL	19.473	4.5	5.7	4.3	4.2																																									928	928																																																																																																							
<table border="1"> <thead> <tr> <th>Element</th> <th><math>\Sigma x</math></th> <th><math>\Sigma x^2</math></th> <th><math>\bar{x}</math></th> <th><math>\sigma_x</math></th> <th>No. Obs</th> <th>Mo. No. of Max. with Temperature</th> <th>Mo. No. of Min. with Temperature</th> <th>Mo. No. of Days with Temperature</th> <th>Mo. No. of Days with Temperature</th> </tr> </thead> <tbody> <tr> <td>Rainfall</td> <td>6179176</td> <td>75042</td> <td>80.910</td> <td>.617</td> <td>928</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>676436</td> <td>22626</td> <td>24.411</td> <td>.623</td> <td>928</td> <td>3.5</td> <td>65.3</td> <td></td> <td>93</td> </tr> <tr> <td>Wet Bulb</td> <td>612673</td> <td>21425</td> <td>23.111</td> <td>.264</td> <td>928</td> <td>4.0</td> <td>75.1</td> <td></td> <td>93</td> </tr> <tr> <td>Wet Bulb</td> <td>501294</td> <td>17828</td> <td>19.213</td> <td>.117</td> <td>928</td> <td>11.5</td> <td>88.2</td> <td></td> <td>93</td> </tr> </tbody> </table>																																																																																																					Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma_x$	No. Obs	Mo. No. of Max. with Temperature	Mo. No. of Min. with Temperature	Mo. No. of Days with Temperature	Mo. No. of Days with Temperature	Rainfall	6179176	75042	80.910	.617	928					Dry Bulb	676436	22626	24.411	.623	928	3.5	65.3		93	Wet Bulb	612673	21425	23.111	.264	928	4.0	75.1		93	Wet Bulb	501294	17828	19.213	.117	928	11.5	88.2		93
Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma_x$	No. Obs	Mo. No. of Max. with Temperature	Mo. No. of Min. with Temperature	Mo. No. of Days with Temperature	Mo. No. of Days with Temperature																																																																																																																																													
Rainfall	6179176	75042	80.910	.617	928																																																																																																																																																	
Dry Bulb	676436	22626	24.411	.623	928	3.5	65.3		93																																																																																																																																													
Wet Bulb	612673	21425	23.111	.264	928	4.0	75.1		93																																																																																																																																													
Wet Bulb	501294	17828	19.213	.117	928	11.5	88.2		93																																																																																																																																													



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

703350 CAPE MEWENHAM AFS AK

73-02

448

PAGE 2 1900-1700

Temp F	WET BULB TEMPERATURE DEPRESSION F																					TOTAL WB DEPR	TOTAL APPR						
	1	2	3	4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			25	26	27	28	29	30
-12/-23																													
-24/-25																													
TOTAL	21.0	74.3	4.2	4.4																							927	927	

Element	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs	Mean No. of Hours with Temperature				
Re. Hum	6302730.	75846.	61.810	243.	927	0	1	2	3	4
Dw. Bulb	672155.	22541.	24.311	574.	927	3.2	65.8			
Wet Bulb	614062.	21460.	23.111	255.	927	3.7	74.4			
Dry Point	508471.	18241.	19.511	216.	927	10.2	88.7			

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73350 CAPE NEWENHAM AFS AK

73-82

MAC

PAGE 1 1675-3300

		WET BULB TEMPERATURE DEPRESSION, F		TOTAL		DATA	
Mo	Da	W	D	W	D	W	D
40/	43		.1			1	1
41/	39		.4			7	7
10/	37		.2			17	17
10/	35	1.4	.3			50	50
30/	33	1.3	.5			114	114
22/	31	2.3	1.0			134	134
30/	29	2.7	.4			55	55
10/	27	2.1	.1			52	52
10/	25	1.2	.1			37	37
10/	23	.1	.7			17	17
10/	21	1.5	.1			24	24
10/	19	2.3				52	52
10/	17	.6	.4			25	25
10/	15	.9	.3			26	26
10/	13	.5	.7			18	18
10/	11	.5	.9			20	20
10/	9	.5	.6			17	17
09/	7	1.9	.3			27	27
09/	5	1.2	.9			26	26
09/	3	1.5	.8			28	28
09/	1	.9	.2			25	25
08/	-1	1.3	.1			12	12
08/	-3	.5	.4			7	7
08/	-5	.7				6	6
08/	-7	.1				1	1
08/	-9	.5				5	5
08/	-11	.4				3	3
08/	-13	.5				4	4
08/	-15	.2				2	2
08/	-17						
08/	-19						
08/	-21						
TOTAL		28.767	3.4	.1		822	822

Element	Σx	Σx	$\bar{x}$	$\sigma_x$	No. Obs	Mean	Std. Dev.	Temp. (F)
Wet Bulb	5699135	67925	82.510	.249	822			
Dew Point	550060	18792	22.912	.117	822	4.5	70.5	93
Wet Bulb	506766	17950	21.811	.825	822	5.2	78.6	93
Dew Point	426738	15036	18.313	.593	822	13.1	89.3	93

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703350 CAFE NEWENHAM AFS AK

73-82

MAT

PAGE 1 2170-2300

WET BULB TEMPERATURE DEPRESSION (°F)				TOTAL		TOTAL	
1	2	3	4	5	6	7	8
42/ 41		.1				1	1
42/ 39		.4	.1			4	4
39/ 37		1.2	.8			15	15
35/ 35	.3	6.6	.7			56	56
29/ 33	2.2	3.5	.3			58	58
22/ 31	3.4	13.4	.3			126	126
17/ 29	3.5	5.5	.3			73	73
11/ 27	3.8	3.6	.1			56	56
10/ 25	1.4	2.3				27	27
24/ 22	.5	2.3				19	19
22/ 21	.9	1.5	.1			19	19
20/ 19	1.5	2.1				35	35
18/ 17	2.2	2.6	.1			36	36
15/ 15	1.2	1.2				16	16
14/ 12	.8	.9				13	13
12/ 11	.5	2.2				20	20
10/ 9	.5	1.1				12	12
8/ 7	1.5	1.6				23	23
6/ 5	1.4	1.5				21	21
4/ 3	2.5	.4				18	18
2/ 1	2.5	.9				22	22
0/ -1	1.9					14	14
-1/ -3	.7					5	5
-4/ -5	.3					2	2
-6/ -7	.7					5	5
-8/ -9							
-11/ -11	.1					1	1
-12/ -13	.4					3	3
-14/ -15	1.1					6	6
-16/ -17							
-17/ -19							
-20/ -21							
TOTAL	34.96	1.8	3.4			740	740
						740	740
$\sum x$	5335711	62507	84508690	740			
$\sum x^2$	504348	17172	232116969	740	4.8	72.4	73
$\sum x^3$	468794	16514	22311648	740	4.9	78.7	73
$\sum x^4$	327344	14194	19213610	740	12.3	57.5	73

PSYCHROMETRIC SUMMARY

72050 CAPE NEWLAHAM AFS AK

73-82

MAR

PAGE 1 ALL

	WET BULB TEMPERATURE DEPRESSION (°F)																		TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	DW	DB	DW	DB
47/47																			1	1		
46/45											.0								3	3		
44/43							.0			.1									7	7		
42/41			.0			.1				.0									6	6	1	
41/39			.3			.5				.0									55	55	13	1
38/37			2.5		.7					.0									229	229	46	4
35/35	.2	6.0	.9							.0									498	499	295	25
34/33	1.5	12.7	.8																908	909	755	214
32/31	2.8	12.9	.8																1159	1159	1079	208
31/29	2.1	5.5	.5																569	569	1001	703
28/27	2.0	3.8	.2																424	425	578	788
26/25	.8	1.0	.1																279	279	324	561
24/23	.4	2.2	.1																189	189	276	371
22/21	.7	2.4	.0																223	223	240	278
21/19	1.2	3.1	.1																306	316	270	264
18/17	.8	2.9	.0																260	260	291	247
16/15	.6	2.9	.0																250	250	287	270
14/13	.7	1.4																	147	147	193	227
13/11	1.0	1.6	.0																186	186	190	230
12/9	.9	1.5																	170	170	200	240
10/7	1.0	1.4																	175	175	175	164
10/5	.9	1.7																	185	185	193	148
4/3	1.3	1.3																	155	155	197	169
2/1	1.4	1.7																	219	219	199	147
1/1	1.5	.2																	127	127	150	184
-2/-3	.7	.3																	69	69	76	160
-6/-5	.6	.1																	48	48	54	171
-6/-7	.9																		27	27	28	100
-5/-9	.6																		41	41	41	77
-1/-11	.5																		33	33	33	68
-1/-13	.4																		29	29	29	63
-14/-15	.4																		28	28	26	50
-16/-17	.1																		6	6	6	47
-18/-19	.1																		1	1	1	26

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

70350 CAPE NEWENHAM AFS AK

73-82

MAP

PAGE 2

ALL

		WET BULB TEMPERATURE DEPRESSION F																				TOTAL	TOTAL													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL		
-1/-21																																				5
-22/-23																																				12
-24/-25																																				11
-26/-27																																				3
-28/-29																																				5
-30/-31																																				1
TOTAL	25.769.5	4.7	.1	.7																															7345	
																																				7342
																																				7342

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\rho_s$	No Obs	Mean No. of Hrs	Wet Bulb Temperature
Wet Bulb	45225014	578700	62.2	9.743	7342		
Wet Bulb	4793015	162367	23.012	.295	7345	43.2	563.5
Wet Bulb	4393717	154509	21.911	.935	7342	49.2	528.3
Wet Bulb	366087	138917	18.313	.592	7342	156.3	714.7

GLOBAL CLIMATOLOGY BRANCH  
 AFAPL/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

713330 CAFE NEWNHAM AFS AK

73-02

APR

PAGE 1 0000-0700

METEOROLOGICAL TEMPERATURE DEPRESSION									
TIME	WIND	TEMP	DEP	WIND	TEMP	DEP	WIND	TEMP	DEP
00/ 41			.2						
01/ 39	.1	1.0	1.0						
02/ 37	.0	3.4	1.4						
03/ 35	.5	7.0	1.5						
04/ 33	.5	8.4	1.2	.2					
05/ 31	3.5	14.5	.7						
06/ 29	2.5	8.7	.8						
07/ 27	3.1	4.9	.5						
08/ 25	.5	6.3	.2						
09/ 23	.9	2.3							
10/ 21	.5	1.9	.1						
11/ 19	.9	2.7							
12/ 17	.8	1.1							
13/ 15	1.1	2.0							
14/ 13	.9	2.1							
15/ 11	.2	1.5							
16/ 9		1.2							
17/ 7	.6	1.2							
18/ 5		.5							
19/ 3	.7	.9							
20/ 1	.2	1.2							
21/ -1									
22/ -3									
23/ -5									
24/ -7									
25/ -9									
26/ -11									
27/ -13									
TOTAL	18.5	73.4	7.9	.2					
							862	662	900
-----									
	2x	2x	x	0.1	N 300				
	6210413	73607	83.5	8.700	862				
	720878	24016	27.2	8.717	862	65.4			90
	659230	22930	26.7	8.463	862	4.72.4			90
	542254	20112	22.8	8.748	862	1.2	83.7		90

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

713050 CAPE NEWENHAM AFS AK

73-82

APR

PAGE 1 0000-0500

WET BULB TEMPERATURE DEPRESSION (F)				TOTAL	TOTAL	TOTAL	TOTAL
DB	WB	WTD	WTD	DB	WB	WTD	WTD
44/ 43			.1	1	1		
42/ 41			.2	3	2		
41/ 39			.9	11	11	0	1
32/ 37	.3	3.4	.8	40	42	17	9
34/ 35	.9	7.2	2.0	39	69	47	20
34/ 33	.9	8.2	.6	55	55	26	35
22/ 31	2.4	15.2	1.0	165	165	117	130
31/ 29	2.7	8.3	.7	103	103	153	72
27/ 27	3.2	5.7	.1	79	79	91	116
26/ 25	1.1	6.5		67	67	81	105
24/ 23		3.1	.1	28	28	52	63
22/ 21	.5	2.3		24	24	25	26
17/ 19	1.5	3.4		43	43	44	57
16/ 17	.3	1.0		12	12	21	29
16/ 15	.9	1.6		22	22	14	37
14/ 13	1.2	1.0		20	20	25	23
11/ 11	1.1	1.7		25	25	17	24
10/ 9	.1	1.4		13	13	21	24
11/ 7	.2	1.2		13	13	15	6
07/ 5	.2	.8		9	9	14	10
07/ 3	.8	.7		10	10	15	10
07/ 1	.5	1.1		15	15	12	15
07/ -1						3	0
07/ -3							0
07/ -5							0
07/ -7							0
07/ -9							0
-11/ -11							1
TOTAL	13.1	74.9	5.9	.1		880	880

DB	WB	WTD	WTD	DB	WB	WTD	WTD
6245358	73774	83.8	8.298	880			
700905	23669	26.9	8.751	880	55.6		90
646704	22652	25.7	8.508	880	.3	72.8	90
533209	19895	22.6	9.742	880	3.4	43.4	70

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

733750 CAPE NEWENHAM AFS AK

73-62

APP

PAGE 1 2000-0900

WET BULB TEMPERATURE DEPRESSION F						TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9
45/ 45	.1							1	1
44/ 43									1
43/ 41	.1	.2	.1					4	4
42/ 39	.8	.8	.1					12	13
38/ 37	.2	6.1	.8					83	83
36/ 35	1.3	6.5	.9					75	75
34/ 33	1.3	3.1	.9	.1	.2			95	95
32/ 31	3.1	14.3	.6	.2				161	161
30/ 29	3.9	6.4	.3					95	95
28/ 27	2.2	5.6	.3					73	73
26/ 25	1.3	6.7	.1					73	73
24/ 23	.7	2.5	.1					29	29
22/ 21	.3	3.0						29	29
20/ 19	.5	3.7						35	38
18/ 17	.4	3.1						23	23
16/ 15	.6	1.2						16	16
14/ 13	.4	2.0						22	22
12/ 11	.4	1.3						16	16
10/ 9	.8	1.2						18	18
8/ 7	.2	1.2						13	13
6/ 5	.6	.4						9	9
4/ 3	.7	.3						9	9
2/ 1	.1	.9						9	9
0/ -1	.7							6	6
-2/ -3									0
-4/ -5									0
-6/ -7									0
-8/ -9									0
-10/ -11									0
-12/ -15									0
TOTAL	19.5	74.9	4.7	.6	.2			669	689

	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	$s$	$N$
Wet Bulb	6316651	74519	63.8	8.892	889	
Dew Point	724972	24162	27.2	8.769	889	72
Wet Bulb	666067	23123	26.0	8.532	889	72
Dew Point	549896	20316	22.9	9.819	889	72

FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/AMC

PSYCHROMETRIC SUMMARY

73000 CAPE NEWENHAM AFB AK

73-82

APR

PAGE 1 0900-1100

WET BULB TEMPERATURE DEPRESSION (°F)										TOTAL		WIND	
0	1	2	3	4	5	6	7	8	9	0	1	0	1
47/47										1	1		
46/45	.1									2	2		
44/43	.1	.3								9	9		
42/41	.4	.4	.4	.2						14	14	3	1
37/39	1.3	1.1	.3							42	42	12	3
29/37	.6	5.2	.8	.2						60	60	5	12
21/35	.8	6.9	1.9							85	85	6	33
14/33	2.1	11.8	1.6	.2						131	131	113	61
7/31	3.7	12.5	.9							152	152	160	147
2/29	2.4	8.1	.7							72	72	110	117
1/27	1.5	6.5	.7							73	73	73	93
16/25	.9	3.5	.8							46	46	57	80
14/23	.2	1.8	.2							20	20	32	46
22/21	.3	1.9	.1							21	21	32	47
1/19	.7	3.5	.1							36	36	36	52
18/17	.3	2.4								24	24	35	39
17/15	.3	2.6	.1							27	27	35	30
14/13	.1	1.9	.1							19	19	30	42
11/11	.1	1.2	.1							13	13	16	17
11/9	.9	1.2								19	19	21	26
1/7	.9									6	8	14	19
6/5	.1									1	1	4	16
1/3	.4									4	4	4	6
1/1	.3	.9								11	11	6	11
1/-1												3	5
1/-3													2
1/-5													5
1/-7													1
1/-9													3
1/-11													4
TOTAL	15.3	72.5	10.1	1.8	.3					890	890	870	990

| Wet Bulb |
|----------|----------|----------|----------|----------|----------|----------|----------|
| Temp     |
61.6-2	732.6	82.3	10.12	890			
204.37	25643	28.8	8.616	890		55.2	70
72.265	243.5	27.4	8.320	890	.5	65.3	70
59.616	213.2	24.9	9.651	890	2.1	79.0	70

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700000 CAFE NALANHAM AFS AK

73-22

APR

PAGE 1 1470-1480

TIME	WET BULB TEMPERATURE DEPRESSION F				TOTAL		TOTAL	
	1	2	3	4	W	D	W	D
4 / 45	.5	.1	.2	.1	8	2		
4 / 43	.1	1.4	1.2		22	20	4	4
4 / 41	.5	2.3	.5	.1	32	37	7	4
4 / 39	.1	3.4	1.9	.6	53	53	12	1
4 / 37	.5	4.4	2.3	.1	64	64	24	14
4 / 35	1.2	7.2	2.1		74	74	32	43
4 / 33	2.3	10.9	2.0		149	149	170	71
4 / 31	2.8	8.9	1.4		117	117	143	107
4 / 29	.9	6.1	2.0	.1	51	51	60	105
4 / 27	.9	4.3	.5		50	50	73	71
4 / 25	.2	3.6	.9		42	42	56	62
4 / 23		1.5	.3		16	16	20	41
4 / 21	.5	2.7			22	22	24	47
4 / 19	.3	3.3			32	32	37	47
4 / 17		2.5			22	17	30	27
4 / 15		2.9			20	16	26	29
4 / 13		1.7			15	15	21	30
4 / 11	.3	1.1			13	13	14	16
4 / 9	.2	1.1			13	13	15	16
4 / 7		.5			4	4	6	11
4 / 5		.5			4	4	5	11
4 / 3					9	9	7	10
4 / 1	.3	.7					2	7
4 / -1								5
4 / -3								1
4 / -5								3
4 / -7								2
4 / -9								2
4 / -11								2
TOTAL	10.8	69.4	17.1	2.5	.7	888	438	688

EX	2x	X	%	N	OR	TEMP	WIND
5931446.	72538.	61.1	9.929.	848			
672386.	26708.	30.2	8.513.	803		47.2.	72
785331.	25321.	28.5	8.112.	868	.2.	59.4.	72
826488.	22186.	24.9	9.268.	808	1.6	75.4	72

FEDERAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

783380 CAPE MERRIAM AFS AK

73-62

APR

PAGE 1 1800-1700

	WET BULB TEMPERATURE DEPRESSION °F														TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	20	25	30	35
48/ 45	.2	.7	.1												9	9		
44/ 43		1.2	.5												14	14	2	
47/ 41	.2	2.3	.7												28	29	6	3
42/ 39	1.0	1.7	.5												45	45	16	1
37/ 37	.6	5.8	1.4												67	67	56	15
28/ 35	.9	7.5	1.7	.2											90	90	75	37
34/ 33	2.2	12.8	1.4												141	141	119	69
27/ 31	2.4	10.6	1.5	.2											127	127	143	147
17/ 29	1.5	6.5	1.0	.1											80	80	108	130
28/ 27	.2	3.8	1.2												42	42	67	84
18/ 25	.6	3.9	.3												41	41	60	77
24/ 23	.2	1.2	.2												14	14	24	40
22/ 21	.9	1.9	.1												28	28	24	38
20/ 19	.7	2.7													29	29	35	41
17/ 17	.5	3.0													40	40	39	32
16/ 15	.3	2.7													26	26	16	30
14/ 13	.1	1.4													13	13	14	12
12/ 11	.1	.8													8	8	9	7
11/ 9	.7	.8													13	13	17	15
8/ 7		1.0													9	9	6	18
6/ 5		.1													1	1	7	6
4/ 3		.2													2	2	1	9
2/ 1	.2	.6													7	7	7	6
1/ -1																	1	5
-1/ -3																		3
-4/ -5																		7
-6/ -7																		2
-2/ -9																		1
-10/-11																		1
-12/-13																		1
TOTAL	12.470	414.9	2.3												861	861	861	861

Element	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s^2$	No. Obs.	Wet Bulb Temp. Depression	Wet Bulb Temp. Depression
Wet Bulb	5818329	73271	81.6	9.825	861		
Dry Bulb	833892	25736	29.9	8.465	861	48.8	92
Wet Bulb	747298	24432	28.3	8.048	861	63.1	92
Dry Bulb	605714	21412	24.9	9.227	861	75.7	91

FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

ZL3000 CAPE NEWSHAM AFB TX

73-62

APR

PAGE 1 1800-0700

WET BULB TEMPERATURE DEPRESSION, F				TOTAL		TOTAL	
DB	WB	WBD	WBD	DB	WB	WBD	WBD
47/47		.1		1	1		
46/45		.5		4	4		
44/43		.9		7	7	1	
42/41	.4	1.8	.3	19	19	5	
41/39	0.3	1.4	.3	35	35	10	1
39/37	2.4	4.6	1.4	52	52	41	14
38/35	.5	8.1	1.0	75	75	59	18
34/33	2.8	10.5	.8	112	112	111	34
31/31	4.2	10.9	2.2	135	135	104	138
32/29	2.3	6.1	.9	77	77	104	107
29/27	1.0	4.4	.3	46	46	43	76
27/25	.3	4.2	.4	38	38	43	51
24/23	.5	2.4	.3	25	25	40	37
22/21	1.2	1.7		22	22	14	35
21/19	1.2	2.9		32	32	24	43
18/17	.5	1.8		18	18	24	31
16/15	.4	2.7		24	24	21	25
14/13	.3	1.9		17	17	19	23
13/11	.1	.9		8	8	10	15
10/9	.4	.9		10	10	13	15
7/7	.3	.9		9	9	11	14
5/5	.3	.4		5	5	6	13
4/3		.9		7	7	8	9
2/1		.5		6	6	6	7
1/-1	.1	.1		2	2	2	5
-2/-3						1	3
-4/-5							7
-5/-7							1
-7/-9							2
-11/-11							1
-17/-13							7
TOTAL	17.469	9.11	.9	761	761	761	761

DB	Σx	Σx	x	Σx	No. Obs	Mean	Std. Dev.
DB	5442553	64783	82.9	9.397	761		
WB	708431	22525	28.8	8.681	761	2.55	55.4
WBD	646260	21462	27.5	8.357	761	3.63	63.3
WBD	5331.3	189.1	24.2	9.621	761	2.6	77.7

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703050 CAPE MENENHAM AFS AK

73.75-82

APP

PAGE 1 2100-2100

TIME	WET BULB TEMPERATURE DEPRESSION (°F)											TOTAL		TOTAL	TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	W	D			W	D
00/ 43														6	6		
01/ 41			.1											7	7		
02/ 39		.1	1.4	1.4										23	27	11	
03/ 37		.8	5.1	1.0										54	54	32	20
04/ 35		.1	6.2	1.0										57	57	31	23
05/ 33		2.1	9.2	1.3										96	96	58	43
06/ 31		5.5	15.8	1.0										174	174	107	142
07/ 29		3.1	4.6	1.2										69	69	43	33
08/ 27		1.7	4.6	.8										65	65	38	39
09/ 25		.7	5.1	.4										50	50	28	27
10/ 23		.4	2.4	.3										24	24	13	14
11/ 21		.1	1.4											13	13	7	12
12/ 19		.9	1.4											18	18	10	14
13/ 17		.8	2.9											29	29	15	17
14/ 15		1.0	2.8											30	30	17	15
15/ 13		.1	2.3											19	19	12	13
16/ 11			.5											4	4	2	19
17/ 9		.8	1.4											17	17	10	16
18/ 7			1.2											9	9	11	9
19/ 5		.8	.3											8	8	10	15
20/ 3			.6											5	5	3	7
21/ 1			1.3											10	10	12	15
22/ -1		.3	.1											3	3	2	7
23/ -3																1	4
24/ -5																	5
25/ -7																	1
26/ -9																	4
27/ -11																	1
28/ -13																	2
29/ -15																	1
30/ -17																	1
TOTAL	19.57	1.69	9.64	.3										760	760	760	760

W	D	W	D	W	D	W	D
552633	65267	83.7	9.136	760			
556287	21745	27.7	8.762	760	.3	62.1	93
613349	20763	26.6	8.523	760	.3	69.2	70
5.7349	18335	23.5	9.661	760	3.0	81.2	24

JOURNAL CLIMATOLOGY BRANCH  
 USAF/CIAC  
 AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700000 CAPE NANKENHAM AFS AK

73-82

APP

PAGE 1

ALL

Date	WET BULB TEMPERATURE DEPRESSION F																									TOTAL Σ WB T D	TOTAL OBS	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
4/ 7 47			.0																							2	2	
4/ 7 45		.1	.2																							24	24	
4/ 7 43		.7	.6	.3	.3																					59	59	
4/ 7 41		.3	.9	.3	.3																					109	109	
4/ 7 39	.5	2.3	1.2	.2																						240	240	
4/ 7 27	.5	4.7	1.2	.3																						444	444	
4/ 7 19	.8	7.1	1.5	.3																						645	645	
4/ 7 33	1.8	12.1	1.2	.1	.2																					900	900	
4/ 7 31	3.4	12.8	1.1	.1																						1197	1197	
4/ 7 29	2.5	6.5	.9	.3																						686	686	
4/ 7 27	1.7	4.9	.5	.0																						492	492	
4/ 7 25	.3	5.0	.4																							422	422	
4/ 7 23	.4	2.1	.2																							184	184	
4/ 7 21	.5	2.3	.3																							178	178	
4/ 7 19	.9	2.9	.0																							280	280	
4/ 7 17	.5	2.1																								175	175	
4/ 7 15	.5	2.3	.0																							199	199	
4/ 7 13	.4	1.8	.3																							151	151	
4/ 7 11	.3	1.2	.0																							102	102	
4/ 7 9	.5	1.2																								114	114	
4/ 7 7	.2	1.3																								81	81	
4/ 7 5	.2	.4																								42	42	
4/ 7 3	.3	.5																								54	54	
4/ 7 1	.2	.9																								80	80	
4/ 7 -1	.1	.0																								11	11	
4/ 7 -3																												
4/ 7 -5																												
4/ 7 -7																												
4/ 7 -9																												
4/ 7 -11																												
4/ 7 -13																												
4/ 7 -15																												
4/ 7 -17																												

Ex	Σ X	Σ X	X̄	%	No Obs	Mean No. of Hours with Temperature
Rel Hum						
Wet Bulb						
Wet Bulb						
Dew Point						

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

73050 CAFE NEWENHAM AFS AK 73-82

APR

PAGE 2 ALL

TOTAL	WET BULB TEMPERATURE DEPRESSION F.																			TOTAL		TOTAL													
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30	DBWB	DBWB	DBWB	DBWB	
15.572	113.2	1.1	.1																															6851	6851
																																		6851	6851

Element	Σx	Σx	x̄	s <sub>x</sub>	No. Obs	Mean No. of Hours with Temperature										Total		
Re. Hum	6035608	567485	82.8	9.352	6851	1	2	3	4	5	6	7	8	9	10	6851		
Re. Hum	47605235	567485	82.8	9.352	6851											6851		
Dry Bulb	6035608	194334	28.4	8.739	6851											1.2	665.4	743
Wet Bulb	5482552	185038	27.0	8.413	6851											3.0	533.4	743
Wet Point	4493329	52049	23.7	9.654	6851											21.2	637.5	743



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

233000 CAPE NEWENHAM AFS AK

73-82

MAY

PAGE 1 2300-0500

Time	WET BULB TEMPERATURE DEPRESSION (F)										TOTAL W.B.T.D.	TOTAL W.B.T.D.	TOTAL W.B.T.D.	TOTAL W.B.T.D.
	1	2	3	4	5	6	7	8	9	10				
00 / 59			.2								2	2		
01 / 55				.1							1	1		
04 / 53				.1							1	1		
08 / 51				.3	.1						4	4		2
09 / 49			.9	.3							11	11	1	
14 / 47			1.0	.2							11	11	1	
18 / 45		.5	.7	.2							13	13	17	
24 / 43	1.3	2.0	.4								34	34	19	3
27 / 41	3.0	4.6	.7								84	84	29	47
30 / 39	1.5	3.3	4.9	.5							150	150	176	33
34 / 37	.9	9.3	3.1	.9							132	132	176	33
06 / 35	1.3	3.0	2.1								122	122	147	100
08 / 33	3.5	8.9	1.0								122	122	156	160
12 / 31	2.4	11.2	1.0	.2							135	135	118	200
17 / 29	2.0	3.1	.1								47	47	118	115
18 / 27	.4	1.3									16	16	26	33
20 / 25	.3	1.3									15	15	22	35
24 / 23		.3									3	3	4	10
27 / 21		.4									4	4	6	14
28 / 19		.5									5	5	1	10
19 / 17														3
16 / 15														3
14 / 13														3
12 / 11														3
TOTAL	17.6	61.9	21.5	3.7	.3						912	912	912	940

Time	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs.	W. B. T. D. (F)	W. B. T. D. (F)
0000-0059	6411298	76216	63.4	9.2	912		
0100-0159	1225324	3302	36.3	5.2	912	22.9	93
0200-0259	1130228	31388	34.4	4.6	912	30.6	93
0300-0359	933828	28788	31.6	4.2	912	33.5	93

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

703000 CAPE MERRINHAM AFS AK

73-52

MAY

PAGE 1 7000-7800

		WET BULB TEMPERATURE DEPRESSION (F)										TOTAL			
		1	2	3	4	5	6	7	8	9	10	W	D	W	D
50/	59					.2								2	0
50/	55			.1	.1									2	0
50/	53			.3	.1									4	4
52/	51			.4	.2	.3								7	0
50/	49			.2	1.2									13	3
48/	47			.5	1.6	1.0								29	9
48/	45			.4	1.4	1.3								29	10
44/	43			1.9	3.9	.3								56	25
42/	41		.1	5.0	3.6	.1								90	39
42/	39		1.2	8.7	5.2	1.0								148	148
38/	37		.4	5.8	3.1	.3								116	116
35/	35		2.3	6.2	1.4	.1								178	178
34/	33		2.4	1.4	1.1									127	127
32/	31		3.3	6.1	.4									128	128
31/	29		1.2	2.7	.1									37	37
28/	27		.4	1.3										16	16
28/	25		.4	.9										12	12
24/	23			.1										1	1
22/	21		.1	.1										2	2
20/	19			.6										7	7
18/	17			.1										1	1
18/	15														
14/	13														
TOTAL		11.9	59.0	22.4	6.0	.5	.2							917	917

W	D	W	D	W	D
639.194	76326	62.9	9.8	26	917
13543.4	34174	37.3	5.5	20	917
11631.6	32343	35.3	4.5	46	917
982932	296.2	32.4	4.9	19	917

FEDERAL CLIMATOLOGY BRANCH  
 WASH DC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703000 CAPE LEWENHAM AFS AK

73-82

MAY

PAGE 1 0910-1100

TIME	WET BULB TEMPERATURE DEPRESSION °F															TOTAL		TOTAL																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB	WB									
06/ 65																																			1	1							
04/ 63																																			2	2							
07/ 59																																			1	1							
05/ 57																																			6	6							
06/ 56																																			7	7							
04/ 53																																			11	11		2					
02/ 51																																			10	10		4					
01/ 49																																				36	36		7				
04 / 47																																				36	36		22				
00/ 45																																				57	57		33				
04/ 43																																				37	37		24				
02/ 41																																				137	137		113				
04 / 39																																				99	99		110				
03/ 37																																				115	115		141				
01 / 35																																				95	95		124				
04/ 33																																				96	96		127				
02/ 31																																				69	69		83				
01/ 29																																				23	23		62				
00/ 27																																				12	12		11				
00/ 25																																				9	9		13				
04/ 23																																				1	1		6				
02/ 21																																				2	2		1				
00/ 19																																				5	5		7				
00/ 17																																											
00/ 15																																											
TOTAL																																								916	916		916

TIME	N	ΣX	X̄	S	NO. OBS	MEAN WET BULB TEMPERATURE	STANDARD DEVIATION
0000-0559	633033	73581	80.311	4.23	916	80.3	4.23
0600-1159	1452925	35947	39.3	6.471	916	39.3	6.471
1200-1759	1266019	33747	36.8	5.296	916	36.8	5.296
1800-2359	1043851	30651	33.5	5.148	916	33.5	5.148



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723052 CAFE NEWENHAM AFB, AK

73-62

MAY

PAGE 1 1000-1700

Time	WET BULB TEMPERATURE DEPRESSION, F																TOTAL	TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
01/ 65																	3	7
02/ 59																	2	2
03/ 57																	8	8
04/ 55																	10	10
05/ 55																	12	12
06/ 51																	15	15
07/ 49																	34	34
08/ 47																	53	53
09/ 45																	77	77
10/ 43																	77	77
11/ 41																	103	103
12/ 39																	103	103
13/ 37																	58	58
14/ 35																	90	90
15/ 33																	64	64
16/ 31																	50	50
17/ 29																	11	11
18/ 27																	4	4
19/ 25																	2	2
20/ 23																	3	3
21/ 21																	2	2
22/ 19																	2	2
23/ 17																		
24/ 15																		
TOTAL	7.2	46.8	30.1	12.3	3.0	.2											863	863

Evap. Rate	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs	Max. No. of Wet Bulb Temperature
0100-0100	5547666	68502	79.411	307	863	
0100-0200	1435812	34740	40.3	6.583	863	12.1
0200-0300	1244562	32442	37.6	5.385	863	15.3
0300-0400	1026628	29420	34.1	5.242	863	15.6

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

730500 LAKE NEENAHAM AFB AK

73-02

MAY

PAGE 1 1010-0000

NET BULB TEMPERATURE DEPRESSION (F)										TOTAL		TA			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
51												3	7		
57					.3	.2						4	4		
53					.3	.5						6	4		
53					1.4	.2						10	10		
51					.8	.2						6	5	4	
49					.3	1.6	1.1					20	20	4	
47					1.1	3.2	1.1					34	34	14	
45					1.8	4.5	1.8					50	50	33	
43					3.7	5.7	1.1					72	72	35	
41					.5	5.7	5.3	.8				77	77	61	
39					.8	7.5	4.8	.2	.2			64	64	64	
37					.3	5.1	4.3	.5				73	73	61	
35					1.3	2.6	1.3	.2				52	52	64	
33					3.3	4.2	.5	.3				51	51	65	
31					2.5	5.4	.2	.2				52	52	60	
29					1.1	1.1						14	14	27	
27					.2	.8	.2					7	7	13	
25					.5							3	3	6	
23					.6							4	4	2	
21														4	
19					.5							3	7	3	
17														2	
15														3	
13														1	
TOTAL					2.444	7.33	7.10	7.1	1.3	.5	.3	.2		627	627

Parameter	Σx	Σx	x	ρ <sub>s</sub>	N	Q <sub>1</sub>	Q <sub>3</sub>	Temp
Wet Bulb	4067148.	50314.	79.811	.139.	627			
Dry Bulb	1023822.	25008.	39.9	5.498.	627		12.3.	93
Wet Bulb	8922.5.	23437.	37.3	5.419.	627		15.3.	93
Dry Bulb	23774.3	21239.	33.9	5.409	627		16.7	93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

708000 CAPE NEWENHAM AFS AK

73.75-80

MAY

PAGE 1 2105-2100

DATE	WET BULB TEMPERATURE DEPRESSION (F)										TOTAL		TOTAL		
	1	2	3	4	5	6	7	8	9	10	W	D	W	D	
5/7 55					.5	.2						4	4		
5/7 53		.2		.3			.3					5	5		
5/7 51		.2	.3	.5	.5							9	9	1	1
5/7 49		.5	.6	.6								11	11	2	
4/7 47		.2	1.6									11	11	11	3
4/7 45		1.1	2.2	.2								22	22	17	1
4/7 43		2.1	6.1	.6								55	55	23	4
4/7 41	.2	3.5	5.3	1.3								95	95	50	21
4/7 39	.5	7.2	5.0	.3								81	81	93	50
3/7 37	2.4	8.5	3.0	.5								90	90	124	67
3/7 35	1.1	9.8	.8									73	73	95	103
3/7 33	3.1	4.8	.8									54	54	67	63
3/7 31	4.3	6.4	.8	.2								71	71	59	150
3/7 29	1.3	3.2	.2	.3								29	29	51	59
2/7 27		.6										4	4	12	50
2/7 25		1.1										6	6	12	30
1/7 23															15
1/7 21															7
1/7 19		.5										3	3	4	2
1/7 17															1
1/7 15															2
1/7 13															4
TOTAL	12.25	4.72	6.8	4.8	1.0	.5						623	623	623	623

Parameter	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	$s$	$N$	Mean Wet Bulb Temperature
Wet Bulb Temperature	4304885	51421	82.5	9.860	3.14	623	82.5
Wet Bulb Depression	926463	23765	38.1	5.062	2.25	623	38.1
Wet Bulb Temperature - Wet Bulb Depression	824839	22467	36.1	4.848	2.20	623	36.1
Wet Bulb Temperature - Dew Point	698326	20630	33.7	4.741	2.18	623	33.7

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723550 CAFE NEELNHAM AFS AK

72-52

MBY

PAGE 1 ALL

DATE	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	WET BULB	TEMP	WET BULB	TEMP	
6/ 57												.0		3	7	
6/ 55												.2	.0	4	4	
6/ 53												.0		2	7	
6/ 51												.0	.0	3	7	
6/ 59			.0	.0	.1	.0	.0					.0		12	12	
6/ 57				.1	.2	.1								32	32	
6/ 55			.0	.2	.3	.1								43	43	
6/ 53		.0	.1	.5	.2	.0								57	57	
6/ 51		.0	.4	.6	.2									81	81	
6/ 49		.1	1.1	1.3	.1									167	167	
6/ 47		.5	1.9	1.1	.2									243	243	
6/ 45		1.2	2.7	1.3	.1	.1								358	358	
6/ 43		2.9	4.4	.9										543	543	
6/ 41	.2	5.4	5.4	1.0	.0									794	794	
6/ 39	.8	7.4	4.5	.6	.0									895	895	
6/ 37	.8	8.4	2.9	.5										834	834	
6/ 35	1.5	8.2	1.4	.0										735	735	
6/ 33	2.8	7.2	.9	.1										723	723	
6/ 31	2.3	7.0	.6	.1										665	665	
6/ 29	.8	2.4	.3	.0										240	240	
6/ 27	.2	1.0	.0											77	77	
6/ 25	.2	.3												64	64	
6/ 23		.2												14	14	
6/ 21	.0	.2												16	16	
6/ 19		.5												31	31	
6/ 17		.0												1	1	
6/ 15																
6/ 13																
6/ 11																
TOTAL	9.753	426.7	8.3	1.4	.3	.2	.0	.0						6627	6627	6627

PROPERTY	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	NO. OBS.	MEAN WET BULB TEMPERATURE	STANDARD DEVIATION	COEFFICIENT OF VARIATION
TEMP	64834068	533548	61.310	.558	6627			
TEMP	10094389	255277	38.5	.6272	6627	124.4	.3	744
TEMP	8879592	240376	36.2	.5246	6627	172.3		744
TEMP	7412835	219241	33.2	.5167	6627	342.3		744

FEDERAL CLIMATOLOGY BRANCH  
 WFAFLTAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

730000 CAFE NEWENHAM AFS AK

73-82

JUN

PAGE 1 0000-0000

TIME	WET BULB TEMPERATURE DEPRESSION (F)										TOTAL	WIND	WIND DIR	WIND SPCD	WIND GUST	REL H	PRES	VIS	CEILING		
	1	2	3	4	5	6	7	8	9	10											
00/ 55												3	7								
04/ 53		.1	.1									3	3								
08/ 51		.7	1.7	.7	.1							23	23								
12/ 49		2.1	1.5	.3								28	28	12	3						
16/ 47		.1	5.9	3.6	.7							75	76	30	42						
20/ 45		1.4	11.3	3.7								119	119	50	49						
24/ 43		3.9	11.6	4.0	.1							144	144	150	111						
28/ 41		2.9	13.1	1.8								129	129	140	121						
01/ 39		1.5	6.7	1.1	.1							69	69	172	134						
05/ 37		3.5	4.3	1.1								59	59	83	113						
09/ 35		3.0	7.6									42	42	70	84						
13/ 33		1.9	2.6									16	16	25	26						
17/ 31		.6										4	4	7	19						
21/ 29																					
25/ 27																					
TOTAL	13.9	19.9	13.6	2.5	.1							726	727	776	726						

TIME	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	N	STDEV	COEFF	REL H	PRES	VIS	CEILING
0000	5641224	63678	67.7	8.757	726						
0000	1342337	51303	42.8	4.293	727						
0000	1239617	29873	41.1	3.828	726		.9				
0000	1131548	26511	39.3	4.362	726		5.3				

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73300 CAPE NEWENHAM AFS AK

73-82

JUN

PAGE 1 7300-0500

Temp	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	TOTAL											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			23	24	25	26	27	28	29	30	DB	WB	DP
54/ 55					.1	.1																										2	2		
54/ 53				.1	.3																										3	3			
52/ 51		.8	1.4	.1																											18	18			
52/ 49	.1	2.4	3.4	.1	.3																										50	50	13	1	
48/ 47	.5	4.6	2.4	.5																											64	64	46	22	
48/ 45	1.5	10.6	2.9	.1																											122	122	74	54	
44/ 42	3.4	1.9	4.3	.5																											152	152	150	152	
42/ 41	2.3	12.7	3.5																													145	145	146	150
40/ 39	3.5	5.8	1.3																													85	85	174	150
38/ 37	3.2	5.3	.6	.1																												79	79	95	121
37/ 35	3.4	2.3	.4																													46	46	75	111
34/ 32	1.9	1.0																														23	23	71	71
32/ 31	.5																															5	5	13	34
31/ 29																																			11
26/ 27																																			2
24/ 23																																			1
TOTAL	21.2	256.32	1.2	1.9	.4																											796	796	796	796

Element	Σ X	Σ X <sup>2</sup>	X	S <sub>x</sub>	No. Obs	Mean	Std. Dev.	Max	Min
Rel. Hum.	6222165.	70017.	88.3	8.931.	736	88.3	8.931		
Dry Bulb	1453530.	33842.	42.5	4.305.	736	42.5	4.305		
Wet Bulb	1346174.	32568.	42.9	3.890.	736	42.9	3.890		
Dew Point	1231405.	31127.	39.1	4.227.	736	39.1	4.227		

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

730550 CAPE NEWENHAM AFS AK

73-82

00N

PAGE 1 0800-0800

Time	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	W	B	W	B
50/ 50				.4	.4																		6	6			
51/ 53			.1	.8	.2	.1																	11	11			
52/ 51			.8	1.8	.9	.4																	33	33	7		
53/ 49			2.7	2.7	1.2	.4																	59	59	13	7	
54/ 47		.2	5.8	5.1	1.2																		104	104	52	25	
55/ 45	1.8	1.1	2.3	.4																			142	142	123	72	
56/ 43	3.0	1.1	.4	4.4	.1																		159	159	179	112	
57/ 41	1.4	1.2	.3	1.4																			128	128	151	145	
58/ 39	3.3	6.5	.8																				90	90	142	137	
59/ 37	3.7	4.0	.4																				68	68	93	139	
60/ 35	2.0	2.8	.2																				36	36	54	92	
61/ 33	.8	.1																					8	8	10	51	
62/ 31	.1																						1	1	1	22	
63/ 29																										3	
TOTAL	16.3	57.0	21.4	4.4	.8																		845	845	845	845	

Symbol	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$S^2$	No. Obs
W	6421647	73231	86.7	9.437	845
B	1623519	36857	43.6	9.340	845
W-B	2488119	35321	41.8	3.723	845
S	135142	73616	39.8	3.898	845

GLOBAL CLIMATOLOGY BRANCH  
SCAFSTAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

713050 CAPE NEWENHAM AFS AK

73-82

JUN

PAGE 1 0970-1100

		WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	WET BULB TEMPERATURE DEPRESSION (F)	WET BULB TEMPERATURE DEPRESSION (F)
62/	51																									1	1
62/	59																									1	1
57/	57																									4	4
58/	55				.6																					14	14
54/	53		.5	1.7	1.2																					43	43
52/	51	.1	1.4	3.2	2.5																					65	65
50/	49	.2	3.5	4.9	2.3																					96	96
48/	47	.7	6.8	7.2	1.3																					129	129
46/	45	2.2	11.9	4.1																						156	156
44/	43	.5	11.4	3.3																						129	129
42/	41	.8	8.3	1.4																						90	90
41/	39	2.3	5.5	.5	.1																					77	77
37/	37	2.3	3.4	.2	.1																					49	49
36/	35	1.1	1.1																							18	18
34/	33	.1	.1																							2	2
32/	31																										
30/	29																										
28/	25																										
22/	21																										
TOTAL		13.553	924.8	8.1	2.7																					854	854

Element	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$S_x$	No. Obs.	Max. Number of Occurrences	Temperature
Wet Bulb	6213011	72289	84.613	4.93	854		
Dry Bulb	1776384	38738	45.4	4.745	854		90
Wet Bulb	1602161	36843	41.1	3.857	854		90
Dry Bulb	1436120	14858	40.3	3.950	854		90

FEDERAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-32

004

PAGE 1 1400-1400

Time	WET BULB TEMPERATURE DEPRESSION F.																								TOTAL		TOTAL															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DE	WB	D.B.	WIND	DIR					
04/ 53									.1																									1	1							
05/ 61							.1																										1	1								
06/ 59				.1	.1			.1																									3	3								
07/ 57				.5		1.5	.1																										17	17								
08/ 55		.2	.6	1.8	1.1	.2																											33	33								
09/ 53		.5	2.2	3.2	1.2	.1																												57	57	9	2					
10/ 51		1.3	4.2	2.1	.1																													63	63	20	5					
11/ 49	.2	2.6	6.2	1.7																															92	92	66	17				
12/ 47	1.0	9.3	6.6	.5																															142	142	116	39				
13/ 45	.4	1.4	5.4	.2																															142	142	167	64				
14/ 43		.5	2.8	.1																															103	103	167	146				
15/ 41	.4	7.3	1.3	.2																																76	76	107	107			
16/ 39	1.8	4.4	.9																																	58	58	172	152			
17/ 37	1.5	1.3																																		24	24	41	96			
18/ 35	.4	.7																																		9	9	22	66			
19/ 33																																								25		
20/ 31																																							7			
21/ 29																																							3			
TOTAL	5.749	33.8	10.0	3.8	.7																																			819	819	819

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	N	Obs	Mean	Std. Dev.	Max	Min
Temp	55834.1	67063	81.9	10.607	819	116	81.9	3.27	100	60
WB	18352.65	38221	46.7	4.294	819	116	46.7	2.07	60	20
D.B.	15977.41	36039	44.2	3.813	819	116	44.2	1.95	60	20
Wet Bulb	14024.19	33749	41.2	3.783	819	116	41.2	1.94	60	20



GLOBAL CLIMATOLOGY BRANCH  
 USAF/DTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

753000 CAFE NEWENHAM AFS AK

75-82

JUN

PAGE 1 1973-2000

Time	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL W.B.T.D.	TOTAL W.B.T.D.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
6 / 59							.2										1	1
56 / 57						.4	.4										4	4
51 / 55				.9	.6	1.1											12	12
54 / 53			1.1	1.7	.6												16	16
52 / 51		.6	1.3	.9													13	13
51 / 49		2.4	6.7	1.5													49	49
47 / 47	1.9	10.6	5.4	.6													84	84
42 / 45	1.3	16.6	3.7	.2													101	101
44 / 43	.9	13.6	1.5	.4													75	75
42 / 41	.9	10.8	1.1														59	59
4 / 39	.9	6.5															34	34
38 / 37	.9	1.7															12	12
34 / 35	.9																4	4
34 / 33																	4	4
TOTAL	6.293	6.621	6.6	2.4													464	464

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma^2$	No. Obs
W.B.T.D.	3360267	19253	64.6	9.248	464
W.B.T.D.	973761	21133	45.5	4.222	464
W.B.T.D.	878242	20126	43.4	3.376	464
W.B.T.D.	786863	19745	41.7	3.337	464

GLOBAL CLIMATOLOGY BRANCH  
 CEAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

713055 CAFE NELENNHAM AFS AK

75-82

000

WET BULB TEMPERATURE DEPRESSION (F)														TOTAL	TOTAL																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOTAL	TOTAL		
57/ 57					.2																																		1	1			
54/ 53				.6	1.3	.2																																	11	11			
52/ 51		1.1	1.5	.6	.4																																		19	19			
51/ 49		3.0	2.1	.7																																			31	31			
48/ 47	.9	7.6	3.7	1.1																																			72	72			
46/ 45	2.1	14.2	3.0																																					103	103		
44/ 43	1.9	15.9	3.0	.6																																				114	114		
42/ 41	6.1	4.7	.6																																					65	65		
41/ 39	.9	5.4																																						34	34		
38/ 37	2.4	5.4	.6																																					45	45		
38/ 35	1.5	1.3																																						15	15		
34/ 32	.6	.4																																						5	5		
32/ 31	.2																																								1	1	
31/ 29																																										1	1
TOTAL	11.0	69.0	14.9	4.5	.6																																			536	536		

Element	Σx	Σx²	X̄	σ²	No. Obs	Minimum	Maximum
Temp	4394433	46623	87.0	8.545	536	41	57
Wet Bulb	1041668	23526	43.9	4.122	536	2	11
Wet Bulb	9588.6	22588	42.1	3.593	536	2	11
Wet Point	473273	21539	40.2	3.753	536	1.8	11

FEDERAL CLIMATOLOGY BRANCH  
 WAFSC/AFAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

721050 CAPE NEWENHAM AFS AK

73-82

JUN

PAGE 1

ALL

TIME	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL	
	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	W	D	W	D
01/ 63									.0	.0					2	2		
02/ 62				.0	.1										5	5		
03/ 59		.0	.1	.1	.1										13	13		
04/ 57		.1	.1	.5	.1										46	46		
05/ 55		.0	.3	.7	.4	.1									55	55		
06/ 53		.2	1.3	1.2	.4	.0									156	186	21	3
07/ 51	.0	1.0	2.3	1.5	.2										293	293	31	12
08/ 49	.1	2.9	4.1	1.2	.1										481	481	253	61
09/ 47	.5	7.1	4.7	.9	.0										759	767	515	767
10/ 45	1.4	12.2	4.0	.1											1212	1215	955	517
11/ 43	1.8	11.5	3.5	.2											976	976	1175	893
12/ 41	1.2	13.7	1.7	.0											766	766	1000	1132
13/ 39	2.2	5.6	.8	.0											499	499	675	1769
14/ 37	2.5	3.4	.4	.0											351	351	486	857
15/ 35	1.5	1.5	.1												180	180	313	546
16/ 33	.7	.3													55	55	98	295
17/ 31	.2														11	11	23	125
18/ 29																		27
19/ 27																		3
20/ 25																		1
21/ 23																		1
22/ 21																		1
TOTAL	12.2	56.3	3.3	6.1	1.5	.2	.0								5760	5761	5760	5760

TIME	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma^2$	No. Obs	Wet Bulb Temp	Dew Point
01-06	424.6578	492890	85.2	9.957	5760		
07-12	1159440.1	256965	44.6	4.799	5761	1.4	760
13-18	1051070.6	245002	42.5	3.943	5760	2.9	760
19-22	543593.1	232017	40.3	3.956	5760	19.7	760



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AFB WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73350 CAPE NEWENHAM AFS AK

73-82

JUL

PAGE 1 0300-0500

Time	WET BULB TEMPERATURE DEPRESSION °F																								TOTAL W.B.T.D.	TOTAL W.B.T.D.	TOTAL W.B.T.D.	TOTAL W.B.T.D.						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23					24	25	26	27	28	29
04/ 63				.3	.1	.4																									8	5		
05/ 61					.3																										3	3		
06/ 59						.5																									5	5	3	
05/ 57			.1	1.0	.4																										14	14	5	
06/ 55			.9	1.3	.9																										28	28	6	3
04/ 53		.1	1.3	1.4	.7																										32	32	32	9
07/ 51		.3	6.9	3.9	.5																										107	107	43	53
05/ 49	2.5	1.7	1.8	4.4	.1																										163	163	116	79
07/ 47	2.5	1.3	1.8	1.9	.2																										168	163	182	146
04/ 45	3.5	1.5	1.8	1.1	.4																										191	191	212	161
04/ 43	3.8	8.9	.5																												121	121	192	70.9
07/ 41	1.1	3.7	.2	.1																											46	46	96	142
07/ 39	1.7	.4	.1																												21	21	36	72
05/ 37	.7																														6	6	6	20
06/ 35	.2																														2	2	4	10
04/ 33																																		1
07/ 31																																		2
05/ 29																																		2
TOTAL	16.4	62.5	10.2	4.4	.4																										915	915	915	94.5

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs	Mean No. of Hours with Temperature
W.B.T.D.	7291249	81275	66.8	8.653	915	10.5
W.B.T.	2496545	43625	47.7	4.263	915	10.5
W.B.T.D.	1446511	42095	46.2	3.610	915	10.5
W.B.T.	1522368	40678	44.5	3.650	915	10.5



FEDERAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-2050 CAFE NEALHAM AFS AK 73-02

JUL

PAGE 1 0900-1100

Time	WET BULB TEMPERATURE DEPRESSION °F																				TOTAL		TOTAL	TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	W B D	W B D		
04/ 67							.1				.1										2	2		
06/ 65						.2	.5														7	7		
08/ 63			.1	.3	.7	.1															7	7		
10/ 61			.1	1.0	.4	.2															16	16		
12/ 59			.7	1.1	.2																16	16	0	
14/ 57		.7	2.4	1.2	.8																46	46	9	1
16/ 55		.9	3.6	.7	.2																49	49	13	7
18/ 53	.2	3.4	4.2	1.6																	87	87	12	19
20/ 51	2.4	9.2	6.0	.4																	166	166	115	78
22/ 49	1.6	1.6	5.8	.7																	181	181	179	104
24/ 47	2.5	13.6	1.6																		193	193	212	190
26/ 45	3.2	9.8	.1																		119	119	199	190
28/ 43	.7	3.7																			40	40	60	197
30/ 41	1.2	.9	.1																		18	18	12	89
01/ 39																							0	11
03/ 37																								4
05/ 35																								1
TOTAL	11.4	53.8	24.7	7.2	2.5	.3	.1														919	919	919	919

Parameter	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma_x$	No Obs	Wet Bulb Temperature	Wet Bulb Depression	Wet Bulb Equivalent Air Temp
Wet Bulb	6941213	79355	86.3	9.844	919			
Wet Bulb	2349425	46279	50.4	4.538	919		.2	93
Wet Bulb	21432.8	44266	48.2	3.465	919			93
Wet Bulb	1979175	42543	46.3	3.258	919			93

CECERAL CLIMATOLOGY BRANCH  
 WAFS/AFM  
 AIR WEATHER SERVICE/AFM

PSYCHROMETRIC SUMMARY

715000 CAFE NEWENHAM AFS AK

72-32

JUL

PAGE 1 1270-1400

Time	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	W	D	
74/ 73															.1		1	1	
71/ 59															.2		2	2	
67/ 67															.3	.2	5	5	
66/ 65															.2	.1	3	3	
64/ 63		.1	.1	.3	.4	.2									.1		11	11	
62/ 51			.4	1.1	.8	.3											24	24	
60/ 59		.1	.9	1.5	.3												26	36	
58/ 57			.4	2.0	1.5	1.2											47	47	
57/ 55	.1	1.7	4.1	2.3	.4												80	87	
54/ 53	.2	5.8	9.3	1.8													155	155	
51/ 51	1.1	7.5	5.6	1.0	.1												168	168	
51/ 49	1.3	11.7	4.9	.2													167	167	
48/ 47	1.3	12.2	1.1	.1													135	135	
48/ 45	1.1	5.3	.5														64	64	
44/ 43	.3	2.7															21	21	
42/ 42	.3	.9															11	11	
41/ 39																			3
38/ 37																			
TOTAL	5.8	47.7	31.6	9.9	7.5	1.2	.2	.1									920	920	920

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	N	Obs	Max	Min	Temp
Rel Hum	6472582	76572	83.210	4.003	920				
Dew Point	2477099	47549	51.7	4.617	920				
Wet Bulb	2215609	45039	49.2	3.413	920		.8	.1	
Wet Point	2005354	42844	46.6	3.320	920				



GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723082 CAPE MERRINHAM AFB AK

73-82

JUL

PAGE 1 1800-0000

Mo	WET BULB TEMPERATURE DEPRESSION F													TOTAL		DATA		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	#	HR	#
7/ 69														.3	2	2		
50/ 67													.4	3	3			
60/ 65				.3	.3	.3							.1	.1	5	5		
54/ 63			.1												3	3		
62/ 61				.4	1.0	.3									12	12	3	1
50/ 59				.4	1.5	.3									15	15	4	2
50/ 57			.9	1.2	1.0	.1									22	22	4	
58/ 55			.7	1.9	2.7	.7									41	41	13	2
54/ 53		.1	4.9	4.0	.7	.1									67	67	19	17
52/ 51	1.2	9.3	3.5	1.2											123	123	36	29
47/ 49	2.5	13.5	4.0	.1											136	136	24	27
42/ 47	1.6	15.1	3.0												133	133	14	15
47/ 45	2.2	10.4	.1												86	86	15	16
44/ 43	.9	4.2													39	39	7	13
41/ 41	.9														6	6	2	3
42/ 39																	1	2
37/ 37																		1
TOTAL	8.66	71.5	8.3	3.0	.3	.6	.4								576	576	67	57

Element	1x	2x	3x	4x	Max	Min	Mean	Std Dev
Wet Bulb	5046833	57973	85.810	548	676			
Wet Bulb	1728936	34038	50.4	4.722	676		.7	93
Wet Bulb	1569917	32491	48.1	3.503	676			93
Wet Point	1441998	31142	46.1	3.299	676			93

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

200000 CAPE WELLENHAM AFS AK

74-82

JUL

PAGE 1 2100-2300

Date	WET BULB TEMPERATURE DEPRESSION, F																TOTAL Wet Bulb Dep.	TOTAL Wet Bulb Dep.			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
6/ 67																.1	1	1			
6/ 65																.4	.3	5	5		
6/ 63				.1												.6	.1	6	6		
6/ 61				.1	.3											.1		4	4		
6/ 59				.3	.6													6	6		
6/ 57				1.0	1.3													16	16	9	1
6/ 55			1.6	2.5	.6	.7												37	37	8	1
6/ 53		.1	1.8	3.7	1.0													45	45	29	7
6/ 51		1.6	7.1	3.4	.4													85	85	62	23
6/ 49		3.7	11.0	4.1	.7													113	113	114	86
6/ 47		1.9	13.1	2.2														117	117	177	126
6/ 45		3.1	14.4	1.3														126	123	157	132
6/ 43		1.9	7.6	.1														66	66	175	135
6/ 41		1.5	2.1	.3														26	26	54	123
6/ 39		.7																5	5	12	40
6/ 37																				1	7
6/ 35																					4
TOTAL		14.6	58.7	19.3	5.0	1.9	.6											650	582	640	640

Element	Σx	Σx	X	s <sub>x</sub>	No. Obs.	Mo. No. 1000	Mo. No. 1000
Temp	5275197	59655	67.7	9.519	660		
Wet Bulb	164172	13254	48.9	4.533	660		
Wet Bulb	151043	11955	47.0	3.649	660		93
Wet Bulb	1401877	10816	45.3	3.489	660		93

GLOBAL CLIMATOLOGY BRANCH  
 USFSLTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73380 CAPE WENHAM AFS AR

73-82

JUL

PAGE 1

ALL

TIME	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		DATA	
	1	2	3	4	5	6	7	8	9	10	11	12	W	D	W	D
74/ 73															1	1
71/ 74															1	1
7 / 69															0	0
66/ 67															16	16
66/ 68															33	33
64/ 62															60	60
61/ 61															81	81
57/ 59															110	110
57/ 57															220	220
51/ 55															370	370
50/ 53															547	547
50/ 51															973	973
47/ 49															1299	1299
47/ 47															1140	1140
46/ 45															1312	1312
44/ 43															500	500
41/ 41															201	201
40/ 39															63	63
37/ 37															10	10
36/ 35															2	2
34/ 33																
32/ 31																
3 / 28																
TOTAL	11.155	822.1	7.1	2.1	.5	.2	.1								6757	6757

EXPLANATION	Σx	Σx	x	%	NO. OBS	W	D	W	D
WET BULB TEMPERATURE DEPRESSION	51060627	583517	66.410	0.015	6757				
WET BULB TEMPERATURE DEPRESSION	16625348	335636	49.7	4.767	6757	2.9	.1		744
WET BULB TEMPERATURE DEPRESSION	19346349	321051	47.5	3.633	6757				744
WET BULB TEMPERATURE DEPRESSION	14140316	308202	45.6	3.495	6757				744



CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73350 CAFE NEWLNHAM AFS AK

73-62

AUG

PAGE 1 0300-0600

Time	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL																	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	DB	WB	DWB	ADWB	WBF	
12/ 51						.2																															2	2		
13/ 59					.1	.1	.3																													5	5			
14/ 57			.9	.4	.1																														13	13	3			
15/ 55			2.0	1.7	.2	.2																													38	38	10	3		
16/ 53		.3	6.0	3.4	.5																														94	94	42	19		
17/ 51		2.1	12.3	6.4	.2																														175	175	101	79		
18 / 49		4.0	14.4	5.9	.5																														228	228	197	150		
19/ 47		4.8	13.1	3.1	.1																														192	192	256	209		
20/ 45		2.0	9.3	2.7	.4																														132	132	167	216		
21/ 43		.2	2.3	1.3	.1																														36	36	57	100		
22/ 41			.3																																3	3	36	66		
23/ 39																																						15	40	
24/ 37																																							15	
25/ 35																																							17	
26/ 33																																							4	
TOTAL		13.4	58.1	25.4	2.6	.5																															918	918	918	

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs	Mean No. of Hours with Temperature						Total
						10 F	110 F	120 F	130 F	140 F	150 F	
Rel Hum	7179501	80793	88.0	8.670	918							
Dry Bulb	2257394	45426	49.5	3.227	918							93
Wet Bulb	2593553	43745	47.7	3.132	918							93
Dew Point	1955568	42200	46.0	3.785	918							93





GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK

73-82

AUG

PAGE 1 1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION °F																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB. W.B. Diff.	DB. W.B. Diff.		
67/ 67																																		1	1	
66/ 65																																		3	3	
64/ 63																																		13	13	
62/ 61																																		20	20	
6 / 59																																		37	37	
58/ 57																																		79	79	
56/ 55																																		133	133	
54/ 53																																		176	176	
52/ 51																																		200	200	
50/ 49																																		153	153	
48/ 47																																		82	82	
46/ 45																																		24	24	
44/ 43																																				
42/ 41																																				
40/ 39																																				
38/ 37																																				
TOTAL	6.9	52.4	27.4	17.2	7.5	.3	.2																											921	921	

Element	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs	Mean No. of Hours with Temperature						Total
						10 F	10 F	10 F	10 F	10 F	10 F	
Rel. Hum.	6693371	78009	84.7	9.667	921							93
Dry Bulb	2593817	48749	52.9	3.835	921							93
Wet Bulb	2350833	46447	50.4	3.338	921							93
Dew Point	2161469	44513	48.3	3.114	921							93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

702052 CAFE NEWENHAM AFS AK

73-42

AUG

PAGE 1 1500-1700

Time	WET BULB TEMPERATURE DEPRESSION, F.																								TOTAL		TOTAL																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	DB	WB	D.B.	W.B.	W.B.	W.B.									
70/ 69					.1				.1																										2	2												
69/ 67							.1	.2																											3	3												
68/ 55					.2		.1	.1																											4	4												
64/ 53					.1	.3																													4	4			1									
61/ 51				.1	.8	.6																													13	13				1								
61/ 59		.1	2.3	2.3	.1																														42	42			4									
57/ 57		1.4	4.8	1.9	.5	.2																													77	77			11	1								
55/ 55	.2	5.1	4.7	1.3	.2																														101	101			61	65								
54/ 53	.9	17.3	6.7	1.6	.1																														190	190			177	48								
52/ 51	2.5	12.6	4.7	.3																															176	176			194	174								
50/ 49	2.1	11.4	3.4	.5																															152	152			218	197								
48/ 47	1.6	6.9	1.3	.1																															86	86			136	202								
46/ 45	1.4	1.5																																	25	25			172	127								
44/ 43																																							9		73							
42/ 41																																										23						
41/ 39																																										41						
38/ 37																																										3						
TOTAL	8.7	51.3	29.0	9.3	2.1	.7																																					875	875			875	875

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs	Mean No. of Hours with Temperature						Total
						10 F	11 F	12 F	13 F	14 F	15 F	
Rel. Hum.	64306.3	74529	85.2	9.717	875							
Dry Bulb	2450224	46178	52.8	3.884	875						5	93
Wet Bulb	2226174	44054	50.3	3.057	875							93
Dew Point	205223	42281	48.3	3.237	875							93

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR-WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

703000 CAPE NEWENHAM AFS AK 73-74,76-82 AUG  
 PAGE 1 1600-2000

Time	WET BULB TEMPERATURE DEPRESSION F.																				TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	DB-WB	D.W.B.	DB-WB	D.W.B.
7 / 59																					1		1	
00 / 57																					2		2	
04 / 63																					2		2	
08 / 61																					6		6	
00 / 59																					23		23	2
08 / 57																					53		53	15 2
00 / 55																					81		81	33 8
04 / 53																					135		135	92 42
08 / 51																					172		172	168 136
00 / 49																					173		173	199 144
04 / 47																					96		96	149 204
08 / 45																					38		38	106 125
04 / 43																								21 70
00 / 41																								2 29
04 / 39																								16
08 / 37																								2
00 / 35																								2
TOTAL	9.5	56.4	27.2	5.5	.6	.6															782		782	782

Element	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature
Rel. Hum.	5925221	67737	86.6	8.983	782	
DB-WB	2111420	42526	51.8	3.611	782	
Wet Bulb	1938777	38865	49.7	3.038	782	
Dew Point	1602032	37448	47.9	3.46	782	



GLOBAL CLIMATOLOGY BRANCH  
 JOAQUIN  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73350 CABE NEWENHAM AFS AK

73-82

ADD

PAGE 1

ALL

T <sub>db</sub>	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB	WB	DB	WB	DB	WB	
77/69					.0					.0																									3	7			
68/67							.1		.1																										9	9			
65/65						.1		.1		.0																									13	13			
64/63						.1	.2		.0	.0																									24	24			
61/61		.0	.2		.4		.2	.0	.0																										60	67		1	
59/59		.1	.9		.9		.3	.1																											156	156		11	
57/57		1.0	2.4		1.2		.1	.0																											324	324		5	
55/55	.1	4.0	3.9		1.2		.1																												628	628		53	
53/53	.5	9.5	4.9		.9		.7																												1104	1104		328	
52/51	2.5	12.7	4.7		.5																														1412	1412		1705	
49/49	3.2	14.6	4.4		.4																														1571	1571		1722	
47/47	2.3	9.5	2.1		.2																														1014	1014		1569	
45/45	1.1	5.2	1.2		.1																														525	525		1721	
44/43	.1	.5	.4		.0																														84	84		749	
41/41		.7	.0																																4	4		269	
40/39		.3																																	1	1		164	
38/37																																						1	56
36/35																																							41
34/33																																							9
TOTAL	17.3	57.1	2.1	6.2	1.1	.3	.2																													6932	6932		6932

Temp	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature	Total
60-69	52683778	632168	86.9	9.136	6932		
50-59	18298994	355218	51.2	3.731	6932	1.3	744
40-49	1681970	340732	49.2	3.213	6932		744
30-39	15654375	323487	47.4	3.572	6932		744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

703050 CAPE NEENHAM AFS AK  
STATION NAME

73-82

SEP

PAGE 1 0000-0200

Temp DB	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	D	B	
56/ 57					.2																													2	2		
56/ 55					.2																													2	2		
54/ 53			1.7	1.2																													26	26	3		
52/ 51	1.5	4.0	3.0																														76	75	44	23	
50/ 47	1.5	10.2	4.6	.4																													150	150	73	62	
48/ 47	1.1	16.7	5.5	.4																													212	212	151	77	
46/ 45	.2	13.0	1.9	.1																													136	136	206	142	
44/ 43	.5	11.2	4.3	.3																													146	146	160	105	
42/ 41	.2	4.7	2.7																														68	68	95	136	
40/ 39	.5	1.9	2.1																														41	41	77	104	
38/ 37		1.7	.6	.3																													23	23	42	69	
36/ 35		.1	.4																														5	5	23	40	
34/ 33			.3																														3	3	11	32	
32/ 31		.2																															2	2	5	20	
30/ 29																																					15
28/ 27																																					3
26/ 25																																					1
24/ 23																																					3
TOTAL	5.765	5.527	.1	1.7																														892	892	892	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature						Total
						+0 F	+10 F	+20 F	+30 F	+40 F	+50 F	+60 F
Rel Hum.	6619386	76502	85.8	8.084	892							
Dry Bulb	1920579	41245	46.2	3.887	892							23
Wet Bulb	1762587	39485	44.3	4.070	892							90
Dew Point	1608898	37620	42.2	5.000	892							50

USAETAC 73-82-82



GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-3380 CAPE MENCHAM AFS, AK

73-82

SEP

PAGE 1 0600-0600

Time	WET BULB TEMPERATURE DEPRESSION F																											TOTAL		TOTAL							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DB	WB		
50/ 55				.1	.2	.1																												4	4		
54/ 53		2.1	1.2																														32	37	5	1	
52/ 51	.9	4.0	2.1																														63	63	71	15	
50/ 49	1.5	1.1	2.4	4.3	.2																												153	153	76	50	
48/ 47	1.0	1.5	6.8	5.0	.3																												196	196	152	66	
42/ 45	.1	1.2	2.5	4.4	.2																												154	154	295	148	
44/ 43	.2	9.0	4.3																														120	120	159	149	
42/ 41		7.3	1.2	.2																													84	84	175	124	
4 / 39	.8	2.4	1.9																														45	45	93	125	
32/ 37	.2	1.3	1.6																														26	28	33	72	
36/ 35		.8	.7																														13	13	70	41	
24/ 33																																				17	27
22/ 31		.3																															3	7	5	34	
32/ 29																																				1	12
28/ 27																																					5
20/ 25																																					3
TOTAL	4.7	66.5	27.4	1.2	.1																													893	893	693	893

Element	X	Zx	X	%	No. Obs	Mean No. of Hours with Temperature					Total
						10 F	30 F	50 F	70 F	90 F	
Rel Hum	6597629	76455	85.6	7.625	893						
Dry Bulb	1902674	41060	46.0	4.065	893						90
Wet Bulb	1743975	39285	44.0	4.201	893						90
Dew Point	1589183	37403	41.9	5.030	893					5.5	90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

730300 CAPE NEWENHAM AFS AK 73-02

SEP

PAGE 1 0900-1100

TIME	WET BULB TEMPERATURE DEPRESSION F																				TOTAL		TOTAL														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB	WB	DB	WB
41/ 59				.1	.3																													4	4		
50/ 57				.4	.1																												5	5			
58/ 55			.1	2.6	1.0																												53	53		4	
64/ 53	.2	2.8	2.4	.4																													53	53	12	3	
71/ 51	.2	5.6	2.8	.6																													91	91	60	22	
81/ 49	.7	11.4	7.5	.8																													173	173	89	76	
91/ 47	.2	14.3	8.5	.2																													190	190	104	94	
98/ 45	.8	12.0	4.2	1.1																													162	162	215	155	
99/ 43	.2	5.6	3.6	.6																													89	89	104	103	
92/ 41	.2	3.0	1.6																														43	43	57	147	
90/ 39	.2	1.3	2.6																														37	37	46	55	
38/ 37		.1	.6	.1																													7	7	70	50	
28/ 35		.7	.4																														10	10	17	54	
24/ 33		.1																															1	1	13	17	
31/ 31																																					0
21/ 29																																					15
25/ 27																																					3
26/ 25																																					1
24/ 23																																					1
TOTAL	2.8	55.9	36.2	5.1																														898	348		898

Element	Σx	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Wet Bulb Temp. (F)	Wet Bulb Temp. (C)
Wet Bulb	6361595	75229	83.8	8.135	898		
DB	2337939	42617	47.5	4.148	898		92
Wet Bulb	1843320	40516	45.1	4.132	898		92
DB	166708	38378	42.7	4.934	898	4.2	92

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 47th WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

123050 CAFE NEWENHAM AFB AK

73-62

051

PAGE 1 1230-1400

WET BULB TEMPERATURE DEPRESSION (W)							T		D	
TIME	W	T	D	W	T	D	W	T	D	W
1 / 51			.2	.1	.3		6	5		
2 / 54			.3	.2	.1		6	5		
3 / 57			.5	.7	.0		13	13		
4 / 55		.7	2.9	1.6	.1		47	47		
5 / 53	.1	7.4	3.4	.5	.1		57	57	75	54
6 / 51	.5	4.8	4.4	1.2	.1		57	57	76	55
7 / 49	.4	2.3	1.3	1.3	.1		192	192	95	55
8 / 47	.7	3.9	3.7	1.2			174	174	175	55
9 / 45	.7	11.8	5.1	1.0			167	167	175	147
10 / 43	.1	2.7	2.9	.9			59	59	100	172
11 / 41		2.2	1.3	.3			75	75	43	100
12 / 39	.3	.2	.6	.1			18	18	50	74
13 / 37		.5	.2	.1			10	10	75	51
14 / 35		.2	.4				6	6	9	51
15 / 33										49
16 / 31										48
17 / 29										5
18 / 27										2
19 / 25										2
20 / 23										1
TOTAL	2.95	335.8	9.6	1.3	.4		895	895	895	895

TIME	W	T	D	W	T	D	W	T	D	W
0100	61298.6	735.6	82.3	9.142	895					
0200	21119.7	433.1	48.4	4.228	895					90
0300	18889.9	439.9	45.7	4.218	895					90
0400	16817.4	385.4	43.1	4.725	895					90

AD-A131 192

CAPE NEWENHAM AFS ALASKA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT AFB APR 83  
USAFETAC/DS-83/019 SBI-AD-E850 397

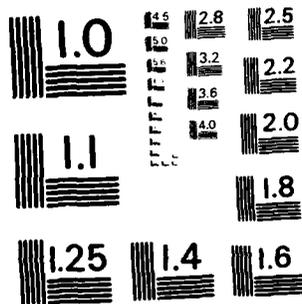
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UNCLASSIFIED

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



GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73350 CAPE NEENHAM AFS AK

73-75.77-82

SEP

PAGE 1 1600-2000

Time	WET BULB TEMPERATURE DEPRESSION F												TOTAL		TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	12	DB	WB	DB	WB	
5/ 59			.1	.4									4	4			
5/ 57			.3	.4	.1								6	6			
5/ 55		.3	.8	.3									10	17	3		
5/ 53		4.0	2.9	.3									52	52	7	1	
5/ 51	1.3	3.8	5.1	1.3									82	82	56	24	
5/ 49	3.1	2.3	7.5	1.3									143	143	65	45	
4/ 47	1.9	1.6	7.2	.6									166	168	149	77	
4/ 45	4.1	2.5	1.3										115	115	133	102	
4/ 43	.1	5.1	3.2	.8									74	74	125	128	
4/ 41	.1	1.3	2.2	.3									28	28	53	105	
4/ 39		.7	1.5										16	16	36	71	
3/ 37		1.3	1.2										16	16	22	29	
3/ 35			.7										5	5	17	26	
3/ 33															9	24	
3/ 31															1	25	
2/ 29																6	
2/ 27																4	
TOTAL	4.7	5.1	5.3	7.8	5.8	.1							719	719	719	719	

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs	Mean	St. Dev.	Max	Min	Total
DB	5324599	59793	83.2	8.521	719	83.2	2.936	92	72	719
WB	1542970	34250	47.6	3.993	719	47.6	1.998	93	93	719
Wet Point	1328276	30702	42.7	4.908	719	42.7	2.222	93	93	719

GLOBAL CLIMATOLOGY BRANCH  
 USFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700000 CAFE NEWENHAM AFS AK

73-82

SEP

PAGE 1 2100-2300

TIME	WET BULB TEMPERATURE DEPRESSION F										TOTAL WET BULB	TOTAL WET BULB
	1	2	3	4	5	6	7	8	9	10		
1 / 59					.1						1	1
2 / 57					.4						3	3
3 / 55			.1	.6							6	6
4 / 53		1.4	2.1								27	27
5 / 51	1.2	4.0	3.1	.5							68	68
6 / 49	1.2	2.9	6.0	1.2							156	156
7 / 47	1.0	13.4	8.7	.5							156	156
8 / 45	1.5	12.1	2.8	.3							130	130
9 / 43	.6	9.5	3.7	.6							113	113
10 / 41	.1	3.0	3.1								48	48
11 / 39		2.6	1.9								35	35
12 / 37		.9	1.3								17	17
13 / 35		.1	.4								4	4
14 / 33			.3								2	2
15 / 31												
16 / 29												
17 / 27												
18 / 25												
TOTAL	5.458	0.032	0.0	3.6							776	776

EXPLANATION	Σ x	Σ x <sup>2</sup>	x̄	s <sup>2</sup>	N	STANDARD DEVIATION
WET BULB	5616147	65779	64.5	8.383	778	
WET BULB	1704361	36293	46.6	3.924	778	
WET BULB	1552478	34610	44.5	4.062	778	92
WET BULB	1403732	32816	42.2	5.017	778	92

GLOBAL CLIMATOLOGY BRANCH  
 WAFSC/AFAC  
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

700000 CAPE NEWENHAM AFS AK

73-52

SEP

PAGE 1 ALL

		WET BULB TEMPERATURE DEPRESSION F												TOTAL		TOTAL		
		0	1	2	3	4	5	6	7	8	9	10	11	12	Wet Bulb	Dry Bulb	Wet Bulb	Dry Bulb
17/	51		.1	.2	.1									12	12			
17/	59		.1	.2	.2	.2								19	19			
17/	57		.2	.3	.1	.0								40	40			
17/	55	.3	1.2	.6	.2									142	142	18		
17/	53	.3	2.4	2.3	.2	.2								343	343	74	74	
17/	51	1.1	4.3	3.4	.6	.2								539	539	432	192	
17/	49	1.2	10.2	6.6	.9	.2								1256	1256	653	450	
17/	47	1.3	14.9	5.4	.6	.2								1496	1496	1224	690	
17/	45	.5	11.9	4.0	.5									1156	1156	1071	1105	
17/	43	.4	7.3	3.4	.5									759	759	1124	1217	
17/	41	.1	3.8	2.4	.1									434	434	691	1215	
17/	39	.4	1.5	1.7	.2									242	242	477	787	
17/	37	.1	1.1	.9	.1									142	142	250	407	
17/	35	.4	.6											63	63	158	291	
17/	33	.0	.1											8	8	93	218	
17/	31	.1	.2											8	8	25	184	
17/	29																81	
17/	27																20	
17/	25																14	
17/	23																7	
TOTAL		4.758	132.2	4.7	.2	.1										6919	6919	

Ex	Σx	Σx	x	%	N	Σx	Σx	Σx
4895309	574551	84.3	8.519	6819				
15204671	320739	47.3	4.167	6819				722
13303531	325457	44.8	4.152	6819				722
12444317	289557	42.5	4.976	6819				722

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-3300 CAPE MERRIAM AFS AK

73-82

OCT

PAGE 1 0000-0000

Time	WET BULB TEMPERATURE DEPRESSION °F																								TOTAL		TOTAL													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	*B	DB	*B	DB	*B				
5/ 49					.9																															8	8	1		
4/ 47		.4	1.9	1.1																																31	31	15	9	
4/ 45			2.7	1.5																																36	39	17	11	
4/ 43		.1	5.2	1.4	.1																															52	52	44	27	
4/ 41		.4	7.5	2.0																																90	90	67	35	
4/ 39		1.3	8.6	4.3																																129	129	105	40	
3/ 37		1.3	8.5	2.4	.2																															110	110	119	74	
3/ 35		.2	4.9	2.7																																70	70	94	57	
3/ 33		1.2	9.8	3.1																																126	126	95	43	
2/ 31		.4	6.3	1.9																																78	78	125	103	
2/ 29		1.7	4.0	.7																																57	57	74	44	
2/ 27		.4	2.4	.8																																33	33	59	43	
2/ 25		.5	3.1	.1																																34	34	37	25	
2/ 23		.2	1.2																																	11	11	31	29	
2/ 21		.1	.6																																	5	5	6	43	
2/ 19			.9																																	8	8	3	31	
1/ 17		.3	.2																																	5	5	11	12	
1/ 15			.1																																	1	1	2	6	
1/ 13			.2	.1																																3	3	1	7	
1/ 11			.3																																	3	3	5	4	
1/ 9																																							1	
1/ 7																																							1	
1/ 5																																							1	
1/ 3																																							2	
1/ 1																																							1	
1/ -1																																							1	
1/ -3																																							1	
TOTAL		3.569	122.1	.3																																	905	905	905	905

Extremes	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma^2$	No. Obs	Mean	Std. Dev.	Max. Temp.	Min. Temp.
DB	6306539	75159	63.0	8.397	905	63.0	2.88	90	10
*B	1216573	32653	36.1	6.522	905	36.1	2.46	93	10
DB	1102063	31343	34.3	6.418	905	34.3	2.51	93	10
*B	24555	28383	31.4	7.469	905	31.4	2.72	93	10



GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AFB WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

ZL3000 CAPE NEWENHAM AFS AK

73-82

001

PAGE 1 3000-0800

T <sub>d</sub>	WET BULB TEMPERATURE DEPRESSION F																							TOTAL		TOTAL													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	DB	WB	DB	WB	DB
50/ 49			.9	.1																															9	9	2	2	
48/ 47		.4	2.0	1.0																															31	31	19	7	
46/ 45		.1	4.3	.8																															47	47	71	18	
44/ 43			4.8	2.1																															63	63	51	20	
42/ 41			6.6	1.1																															79	79	54	42	
40/ 39	1.1	3.3	3.0	.1																															113	113	91	63	
38/ 37	1.3	6.5	2.0																																89	89	69	75	
36/ 35	.4	2.2	1.5																																132	132	96	100	
34/ 33	.5	6.9	1.3	.1																															99	99	107	85	
32/ 31	1.3	7.6	1.5																																95	95	98	127	
30/ 29	1.1	3.7	.6																																46	46	78	84	
28/ 27	.3	3.7	.6																																42	42	54	61	
26/ 25	.1	3.2	.2																																32	32	37	46	
24/ 23	.1	2.0																																	19	19	43	26	
22/ 21	.4	1.1																																	14	14	17	53	
20/ 19	.3	1.0	.1																																13	13	8	42	
18/ 17	.1																																		1	1	10	23	
16/ 15	.3	.3																																	6	6	4	11	
14/ 13		.3																																	3	3	3	8	
12/ 11																																						2	6
10/ 9		.3																																	3	3		1	
8/ 7																																						3	4
4/ 3																																							1
0/ -1																																							3
TOTAL	9.1	74.8	16.8	.2																															929	929		929	

Frequency	Σx	Σx <sup>2</sup>	k	σ <sub>x</sub>	σ <sub>x</sub> <sup>2</sup>	Max. No. Occurrence	Max. No. Occurrence Temperature
Rel. Hum.	6446174	76156	83.8	8.117	9.9		
Wet Bulb	1197774	32304	35.6	6.966	9.9	28.3	93
Wet Bulb	1096597	30863	34.0	6.659	9.9	36.5	93
Wet Bulb	9375.7	281.5	11.1	7.868	9.9	52.7	93





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-3050 CAPE NEENHAM AFS AK

73-82

007

PAGE 1 1500-1700

Time	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	TOTAL																																																																									
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
51																					3	3																																																																											
49	.4	.2	.5																				9	9	0	3																																																																							
47	.1	2.2	1.6																				34	34	3	6																																																																							
45		3.4	1.6	.5																				45	45	35	41																																																																						
43	.2	5.8	3.3	.5																				80	80	40	47																																																																						
41	.1	6.6	3.2																				81	81	57	40																																																																							
39	1.5	5.5	5.8																				106	106	115	64																																																																							
37	.2	7.5	2.5	.2																				85	85	75	33																																																																						
35	1.1	7.6	2.2																				89	89	115	63																																																																							
33	.1	6.9	2.2																				75	75	80	43																																																																							
31	1.1	8.3	3.4																				105	105	76	140																																																																							
29	.2	3.1	.5	.2																				33	33	80	69																																																																						
27	.2	4.4	.2	.1																				41	41	46	64																																																																						
25	.1	1.1																				10	10	34	43																																																																								
23		.9	.1																				8	8	17	33																																																																							
21	.2	.2																				4	4	5	45																																																																								
19	.5	.1																				5	5	6	32																																																																								
17		.2																				2	2	2	9																																																																								
15		.1																				1	1	1	4																																																																								
13																							1																																																																										
11																								1																																																																									
9																								2																																																																									
7																								1																																																																									
5																								1																																																																									
3																								2																																																																									
TOTAL	6.464.727.3 1.5																				816	816	616	845																																																																									

Element	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$S^2$	No. Obs.	Mean No. of Hours with Temperature
Rel. Hum.	5555795	66929	82.0	9.014	816	
Dry Bulb	1151937	10241	37.1	6.173	816	23.8
Wet Bulb	1033060	28618	35.1	6.048	816	31.5
Dew Point	875511	26095	32.7	7.094	816	48.6

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

730350 CABE NEWENHAM AFS AK

73-74,77-82

00T

PAGE : 1 1800-2000

TIME	WET BULB TEMPERATURE DEPRESSION F																				TOTAL		TOTAL																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB	WB	DB	WB				
12/ 51			.3																																2	2				
50/ 49			.1	.3	.3																													5	5	2				
40/ 47		.3	1.6	.5																														18	18	7	5			
48/ 45		.1	3.4	1.2																														35	35	16	6			
44/ 43		.5	4.7	2.3																														56	56	29	11			
42/ 41		.4	5.0	1.9																														54	54	45	38			
40/ 39		1.5	8.1	3.0																														93	93	41	48			
30/ 37		1.3	7.7	3.4																														92	92	41	62			
30/ 35		1.1	7.7	1.3																														75	75	60	75			
34/ 33		.8	8.2	2.2																														83	83	61	73			
22/ 31		1.3	10.4	3.5																														113	113	60	96			
30/ 29		.7	3.6	.2																														39	39	32	76			
20/ 27		.7	4.7	.1																														41	41	46	60			
26/ 25			2.3																															17	17	34	73			
24/ 23			1.1																															6	6	17	30			
22/ 21			.8																															6	6	9	36			
10/ 19		.5																																4	4	6	32			
18/ 17		.1																																1	1	1	13			
16/ 15																																						3		
14/ 13																																						3		
TOTAL		9.4	69.7	20.6	.3																																742	742	742	

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No Obs	Mean	St Dev	Max	Min
DB	5221117	61927	83.5	8.435	742	83.5	2.904	96	60
WB	988933	26725	36.3	5.962	742	36.3	2.441	48	1
DB-WB	896169	25415	34.3	5.884	742	34.3	2.428	45	1
DB-WB	766136	23304	31.4	6.796	742	31.4	2.624	38	1

GLOBAL CLIMATOLOGY BRANCH  
 OCAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73000 CAPE NEWENHAM AFS AK

73-82

001

PAGE 1 7100-2300

Time	WET BULB TEMPERATURE DEPRESSION F																								TOTAL		TOTAL										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	W	DP			
5/ 49			.9		.3																												5	9	4	5	
45/ 47		.3	1.4	1.0																													21	21	10	11	
46/ 45		.3	2.3	2.9																													42	42	19	21	
44/ 43		.4	4.8	1.8																													55	55	22	18	
42/ 41		.3	5.3	2.0																													60	67	35	38	
40/ 39		2.0	6.6	2.9																													91	91	46	56	
37/ 37		1.5	5.1	3.7																													106	106	47	73	
36/ 35		.8	5.7	2.5	.1																												72	72	81	61	
34/ 33		1.1	7.0	3.9																													95	95	99	57	
32/ 31		.5	9.2	2.7																													96	96	97	79	
31/ 29		.3	5.6	.6																													55	55	44	66	
28/ 27		.4	3.7	.4																													35	35	56	63	
26/ 25		.9	2.3																														25	25	39	78	
24/ 23			1.5																														12	12	23	35	
22/ 21			.8																														6	6	9	32	
20/ 19		.4	.5																														7	7	7	32	
18/ 17		.1																															1	1	3	12	
16/ 15																																				3	
14/ 13																																				5	
12/ 11			.1																															1	1	1	1
10/ 7																																			1	1	1
TOTAL		9.8	5.5	5.2	4.3	.4																												789	789	759	769

Element	Σx	Σx²	X̄	s²	No. Obs	Mean No. of Hours with Temperature	...	...	...
Rel. Hum.	5551557.	65823.	63.4	8.742	789	...	...	...	...
Dry Bulb	1051650.	28348.	36.3	6.197	789	...	...	...	...
Wet Bulb	951904.	27012.	34.2	6.060	789	...	...	...	...
Dew Point	814270.	24742.	31.4	6.980	789	...	...	...	...



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AFD WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

750000 CAPE NEWENHAM AFS AK

73-82

NOV

PAGE 1 0000-0000

TEMP	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL WET BULB	TOTAL WET BULB		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
46/ 45					.1												1	1		
44/ 43		.2	1.4	1.6													26	26	0	2
42/ 41			1.5	1.3				.1									25	25	16	5
40/ 39		.5	3.4	1.2													44	44	72	45
38/ 37		.8	8.5	1.6													96	96	54	29
36/ 35		1.2	4.1	.7													51	51	94	52
34/ 33		1.5	8.7	.5													88	88	72	78
32/ 31		2.7	9.4	.7													113	113	128	110
30/ 29		1.9	3.2	.9													52	52	79	75
28/ 27		1.2	7.7														77	77	55	66
26/ 25		1.5	6.3														59	59	88	57
24/ 23		.8	4.1														43	43	44	53
22/ 21		2.5	1.6														37	37	49	69
20/ 19		1.3	3.0														37	37	33	49
18/ 17		1.7	1.8														25	25	27	27
16/ 15		.6	1.4														17	17	18	17
14/ 13		1.0	.7														15	15	21	32
12/ 11		.6	.2														7	7	9	12
10/ 9		.8	.7														13	13	9	11
8/ 7		.9	.6														13	13	16	19
6/ 5		1.0	.6														16	16	15	11
4/ 3		.3	.1														4	4	7	11
2/ 1		.5	.2														6	6	5	6
0/ -1		.2															2	2	3	7
-2/ -3																				0
-4/ -5																				0
-6/ -7																				0
TOTAL		23.0	68.6	8.3		.1											879	879	879	879

Parameter	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	$s$	NO. OBS.	Mean Wet Bulb Temperature	Standard Deviation	Variance
Temp	6296741	73983	84.1	9.128	3.038	879	84.1	3.038	9.23
Wet Bulb	796213	25241	28.7	9.162	3.027	879	28.7	3.027	9.16
Temp - Wet Bulb	728430	24092	27.4	8.807	2.968	879	27.4	2.968	8.81
Temp - 2 Wet Bulb	6049.8	21430	24.4	9.691	3.113	879	24.4	3.113	9.69

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7120SC CAPE NEWENHAM AFS AK

73-82

NOV

PAGE 1 0000-0500

		WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL										
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
44/	43	.1	.5	1.4																											
42/	41		2.3	.5																											
41/	39	.5	4.3	.6	.1																										
38/	37	1.1	5.5	1.7																											
35/	35	.5	5.8	1.1																											
34/	33	.7	5.1	.7																											
32/	31	1.9	7.8	.8																											
30/	29	1.5	4.2	1.5																											
28/	27	1.5	6.6																												
26/	25	.8	5.9	.2																											
24/	23	.9	2.9																												
22/	21	2.2	2.5	.1																											
21/	19	1.4	4.1																												
18/	17	.6	1.7	.1																											
16/	15	1.1	.6																												
14/	13	.5	.2																												
11/	11	.9	.6																												
10/	9	.9	.8																												
9/	7	.5	1.3																												
8/	5	1.3	.1																												
4/	3	.7	.7																												
3/	1		.5																												
2/	-1																														
-2/	-3																														
-4/	-5																														
-5/	-7																														
-7/	-9																														
TOTAL		19.9	71.3	8.7	.1																										

	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$S^2$	$S$	$N$	$\bar{X}^2$	$S^2$	$\bar{X}^2 - S^2$
6197674	73274	83.6	8.854	875					
779152	24896	28.4	9.243	875		57.1			93
710736	23758	27.1	8.711	876		2.0	63.4		90
580469	21231	24.7	9.654	876	2.3	72.8			92



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

730350 CAPE NEALHAM AFS AK

73-BZ

NOV

PAGE 1 0900-1100

TEMP	WET BULB TEMPERATURE DEPRESSION F												TOTAL		TOTAL			
	1	2	3	4	5	6	7	8	9	10	11	12	W	B	W	B		
40/ 45			.8												7	7	4	4
40/ 43		.1	.9	.7											15	15	7	4
40/ 41			2.3	.9											26	26	6	7
40/ 39		.5	3.5	2.0											56	56	26	13
30/ 37		.3	3.9	1.2											93	93	35	23
30/ 35		.7	6.2	.9											69	69	27	23
20/ 33		1.1	6.1	.9											72	72	29	27
32/ 31		.2	9.5	.9	.1										122	122	33	109
20/ 29		1.7	7.1	1.6											92	92	24	71
20/ 27		1.5	6.4	.3	.1										75	75	21	26
20/ 25		1.1	6.1		.1										65	65	27	23
20/ 23		.7	.9												14	14	5	22
22/ 21		1.3	2.4	.1											31	31	12	29
22/ 19		2.5	3.8												57	57	24	28
10/ 17		.1	1.2												12	12	23	26
16/ 15		.5	.8												11	11	15	32
14/ 13		1.1	.7												16	16	15	27
10/ 11		.2	.5												6	6	6	22
10/ 9		.5	1.4												16	16	13	4
00/ 7		1.5	.9												21	21	24	3
00/ 5		.8	.8												14	14	17	13
00/ 3		.5	.2												7	7	7	18
00/ 1			.7												6	6	7	19
00/ -1																		9
00/ -3																		7
00/ -5																		5
00/ -9																		1
TOTAL		17.5	72.5	9.6	.3										885	885	885	865

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s_x$	No. Obs	Mean	St. Dev.	Temp.
Wet Bulb	6199195	73735	83.3	7.949	885	83.3	7.949	Wet Bulb
Dew Point	811407	25525	28.8	9.322	885	28.8	9.322	Dew Point
Wet Bulb	738440	24314	27.5	8.327	865	27.5	8.327	Wet Bulb
Dew Point	606462	21524	24.3	9.589	865	24.3	9.589	Dew Point



FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK

73-32

Y04

PAGE 1 1001-1700

		WET BULB TEMPERATURE DEPRESSION																								TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	W	D	W	D	
44/	45				.6																						4	4	4		
44/	43				1.4	.8																					17	17	6	6	
43/	41				2.3	1.4																					27	27	14	5	
42/	39		.8	5.6	2.7																						71	71	73	14	
41/	37		.6	4.1	1.0																						45	45	43	32	
38/	35		1.3	3.2	.6																						85	85	69	47	
34/	33		1.9	6.3	.4																						66	68	74	61	
32/	31		2.2	8.6	1.5																						97	97	66	73	
31/	29		3.2	4.2	2.4																						77	77	75	71	
28/	27		1.3	5.8	.3																						56	56	57	66	
28/	25		1.4	4.3	.6																						50	50	79	47	
24/	23		.4	3.3	.1																						28	28	39	38	
21/	21		1.9	2.5																							35	35	43	61	
20/	19		2.2	3.2																							42	42	37	69	
18/	17		.4	1.3																							11	11	22	34	
17/	15		.5	2.4																							24	24	15	33	
14/	13			.6																							5	5	13	25	
14/	11		.8	.4																							9	9	12	20	
10/	9		.9	1.3																							17	17	11	7	
8/	7		.4	.1																							4	4	10	12	
6/	5		.5	.3																							6	6	7	11	
4/	3		.5	.1																							6	6	5	9	
1/	1		.6																								5	5	6	10	
1/	-1																													7	
1/	-3																													3	
TOTAL		21.5	66.7	11.8																								789	789	789	789

Σx	Σx	x	%	No. Obs	Wet Bulb Temperature	Dew Point
5657321	66453	64.2	8.708	789		
741966	23178	29.4	8.804	789	53.8	72
679403	22161	28.1	8.472	789	58.4	72
565725	1987	25.1	3.289	789	1.1	69.1



GENERAL CLIMATOLOGY BRANCH  
 USAF/AFAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION CAPE NEWENHAM AFS AK

73-22

NOV

PAGE 1 2100-2200

WET BULB TEMPERATURE DEPRESSION (F)				TOTAL	TOTAL
W	W-B	W-B	W-B	W-B	W-B
40/ 45	.1	.3	.4	6	5
40/ 43	1.1	1.1		17	17
40/ 41	1.2	1.1		17	17
40/ 39	.4	3.9	1.1	.1	56
40/ 37	1.3	7.3	1.3		78
20/ 35	1.2	4.2	.7		59
30/ 33	2.0	4.4	.5		59
20/ 31	3.1	5.7	1.1	.1	98
30/ 29	.9	4.8	.5		47
20/ 27	.5	2.1			54
20/ 25	1.3	4.5			58
20/ 23	.7	2.3			22
20/ 21	2.5	2.2	.5		41
20/ 19	1.7	3.6			40
10/ 17	.5	1.5			15
10/ 15	.9	2.2			23
10/ 13	.5	.3			6
10/ 11	.5	.1			5
10/ 9	.4	.9			10
00/ 7	.3	.5			10
10/ 5	.5	.3			6
40/ 3	.4	.1			4
10/ 1					
10/ -1	.4				3
10/ -3					
TOTAL	21.968.8	3.5	.5	744	744

Σx	Σx	x	%	N	Σx	Σx
5403194	63058	84.8	8.885	744		
695346	21792	29.3	8.763	744	.4	54.7
637731	23861	28.0	8.431	744	.4	58.3
534166	18728	25.2	7.189	744	1.0	66.8

FEDERAL CLIMATOLOGY BRANCH  
USAF/OTAC  
AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

703000 CAPE MENENHAM AFB AK

73-52

NOV

PAGE 1 ALL

WET BULB TEMPERATURE DEPRESSION F		TOTAL		
1	2	3	4	5
47/45	.4	.0	.0	71
47/43	.1	1.1	.9	143
47/41		1.8	1.0	196
47/39	.5	4.8	1.7	469
37/37	.5	6.6	1.2	574
37/35	.8	6.9	.9	576
37/33	1.7	6.7	.6	605
37/31	2.1	9.2	1.1	827
27/29	2.0	8.2	1.4	571
27/27	1.2	6.9	.2	549
27/25	1.2	6.3	.2	446
27/23	.7	2.5	.1	214
27/21	2.1	2.5	.2	309
27/19	1.9	3.4		350
17/17	.5	1.5	.0	145
15/15	.5	1.3		138
14/13	.5	.5		73
12/11	.5	.5		68
11/9	.8	1.1		124
7/7	.8	.5		96
5/5	.7	.4		72
4/3	.5	.3		52
1/1	.2	.3		31
1/-1	.1			6
-3/-3				
-4/-5				
-7/-7				
-8/-9				
TOTAL	20.56	9.6	.2	6655

Ex	Σx	x̄	s	n	σ
47522454	559808	64.0	8.667	6665	
6122675	192906	28.9	9.026	6665	6.4409
5594273	184263	27.6	8.663	6665	1.2485.5
45406.3	164091	24.6	9.496	6665	13.9567.7



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723300 CAPE NEENHAM AFS AK 73-02

050

PAGE 0 0000-0000

Time	WET BULB TEMPERATURE DEPRESSION F																								TOTAL		TOTAL									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB	WB	DB	WB
TOTAL	34.5	59.7	5.7	.1																														90.5	90.5	90.5

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No Obs	Mean	Std Dev	Max	Min	Temp
Re. Hum	6135811	73851	81.6	10.997	905	9.0	73.2			93
Dw. B. B	538653	16629	23.6	13.102	905	9.5	78.9			93
Wet B. B	494013	17745	19.6	12.712	905	17.1	85.7			93
Dew Point	411449	14241	15.7	14.396	905					93















FEDERAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723000 CAFE WENHAM AFS MA 73-02 DEC

PAGE 1 1800-1700

TIME	WET BULB TEMPERATURE DEPRESSION (F)				RELATIVE HUMIDITY (%)	WIND SPEED (KTS)	WIND DIR (DEG)	VISIBILITY (MILES)	CEILING (FEET)	TOTAL		WIND	
	DB	WB	WBD	WBS						W	D	W	D
42/ 41	.1	.1								2	2	1	1
42/ 39		1.1	.8							15	15	4	4
5/ 37	1.3	2.4	.4							40	40	20	9
36/ 35	.5	4.5								41	41	30	24
34/ 33	.5	6.3								54	54	30	27
32/ 31	3.5	5.5	.8							27	27	74	28
3/ 29	1.5	4.9	.3							24	24	41	25
26/ 27	1.5	3.5	.3							43	43	56	29
26/ 25	.5	4.1	.5							42	42	78	45
24/ 23	.3	1.3	.5							21	21	36	26
22/ 21	1.5	3.4	.4							44	44	40	41
22/ 19	1.5	2.9								36	36	42	31
19/ 17	.3	2.3								24	24	23	30
18/ 15	1.3	2.8								30	30	25	24
14/ 13	1.5	2.5								32	32	26	22
12/ 11	2.1	2.5								37	37	27	20
11/ 9	1.5	2.1								29	29	23	26
8/ 7	.5	1.0								13	13	22	31
8/ 5	.4	1.4								14	14	12	23
4/ 5	1.1	1.8								23	23	24	24
2/ 1	.8	1.3								16	16	19	24
2/ -1	2.1	1.3								19	19	18	20
-2/ -3	4.2	1.3								42	42	25	26
-4/ -5	1.8	.6								19	19	22	21
-6/ -7	1.5									13	13	15	23
-8/ -9	.5									4	4	4	23
-10/-11													21
-12/-13													3
-14/-15	.4									3	3	3	20
-16/-17													2
-17/-19													22
-21/-21													2
TOTAL	33.502.4	4.0								797	797	797	797
EXCESS	Σx	Σx	x	s	N	Q <sub>1</sub>	Q <sub>2</sub>	Q <sub>3</sub>	Q <sub>4</sub>				
TEMP	5361960.	64824.	61.310.700.		797								
WIND	464362.	16296.	20.213.263.		798	11.7.	75.3.						73
WIND DIR	427064.	15320.	19.212.906.		797	11.8.	79.0.						73
WIND DIR	356435.	12101.	15.314.625.		797	17.3.	65.9.						73

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

123000 CAFE WILLENHAM AFS AK

73-74,77-82

CFC

PAGE 1 1670-2000

TIME	WET BULB TEMPERATURE DEPRESSION				TOTAL		TOTAL	
	W	W	W	W	W	W	W	W
4 / 39	.2	1.1	.6		12	17	2	1
38 / 37	.8	2.4	.8		26	26	15	3
36 / 35	1.8	5.6	.5		59	38	41	19
34 / 33	.5	4.6	.6		35	35	52	33
32 / 31	3.2	6.4	.3		65	65	56	77
30 / 29	2.2	3.4	.2		36	36	44	34
28 / 27	1.5	6.6	.3		55	55	43	51
26 / 25	.5	2.6	.2		21	21	41	36
24 / 23	.5	1.5	.6		17	17	24	15
22 / 21	1.7	3.5	.8		39	39	17	31
20 / 19	3.1	4.0	.3		46	46	36	44
18 / 17	.5	1.4			10	13	26	19
16 / 15	.8	1.7			16	15	17	22
14 / 13	1.2	3.4	.2		31	31	13	25
12 / 11	1.5	3.2			31	31	31	25
10 / 9	.6	2.1			16	18	29	34
8 / 7	1.1	2.1			21	21	26	11
6 / 5	.2	.3			3	3	5	14
4 / 3	1.8	0.3			27	17	24	14
2 / 1	.5	1.1			11	11	15	22
0 / -1	2.0	.3			15	15	14	15
-2 / -3	2.3	1.2			21	21	21	12
-4 / -5	1.8	.3			14	14	14	17
-6 / -7	2.3				15	15	17	12
-8 / -9	.5				4	4	4	14
-10 / -11								11
-12 / -13								6
-14 / -15								9
-16 / -17								5
-18 / -19								8
TOTAL	32.862.0	5.2			655	655	655	655

W	W	W	W	W	W	W	W
44531.0	53512	81.711	154	655			
390413	13571	20.712	924	655	9.2	74.3	93
3591.8	12932	19.712	800	655	9.9	77.5	93
100.766	15018	15.914	371	655	15.0	85.0	93

ALTEAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

730000 CAPE MEELENHAM AFS AK

73-32

UEC

PAGE 1 2100-2700

TIME	WET BULB TEMPERATURE DEPRESSION F				TOTAL		TOTAL	
	W	D	W	D	W	D	W	D
00/ 41		.3			0	0		
01/ 39	.3	1.5	.5		15	15	5	1
02/ 37	.3	3.9	.6		32	32	14	7
03/ 35	2.1	5.1	.4		51	51	52	19
04/ 33	.9	5.2	.5		45	45	39	19
05/ 31	2.2	5.2	.9		56	56	58	25
06/ 29	2.2	3.6	.4		42	42	52	36
07/ 27	1.2	5.5	.5		48	48	45	40
08/ 25	.7	5.6	.4		46	46	46	32
09/ 23	.5	2.2	.1		25	25	45	26
10/ 21	1.9	3.0	.4		36	36	39	49
11/ 19	1.5	3.4	.3		36	36	73	43
12/ 17	.9	2.8			25	25	75	42
13/ 15	.7	1.5	.1		17	17	16	21
14/ 13	1.3	1.8			21	21	19	31
15/ 11	1.3	1.8	.1		12	12	24	23
16/ 9	2.1	2.7			32	32	32	27
17/ 7	.7	2.5			22	22	24	21
18/ 5	.9	.7			11	11	16	15
19/ 3	1.2	1.3			17	17	15	25
20/ 1	.3	1.5			12	12	12	22
21/ -1	2.2				15	15	16	14
22/ -3	2.1	.7			19	19	16	11
23/ -5	1.5				12	12	15	15
24/ -7	2.1	.1			15	15	14	14
25/ -9	.7				5	5	6	10
26/ -11								9
27/ -13								6
28/ -15								5
29/ -17								12
30/ -19								5
31/ -25								1
TOTAL	32.3	1.9	5.8		675	675	675	675
	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$
	45947.0	3510.0	81.711	157.	675			
	41215.8	14276.	21.112	735.	675	9.1	72.9.	73
	37814.2	13632.	20.212	425.	675	9.2.	77.8.	73
	31324.3	11719.	16.314	103.	675	14.2	83.9.	73



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703050 CAPE NEVENHAM AFS AK

73-02

DEC

PAGE 2

ALL

Time	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL			TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451

GLOBAL CLIMATOLOGY BRANCH  
 USAP/ETAC  
 AF- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

713250 CAFE NEWENHAM AFS AK

73-62

ALL

PAGE 1

ALL

MO	DAY	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
74/	73																1	1
74/	71																1	1
74/	69																11	11
64/	67																28	28
64/	65																50	50
64/	63																86	88
62/	61																161	161
61/	59																332	332
61/	57																662	662
60/	56																1271	1271
64/	53																2337	2337
62/	51																3426	3426
61/	49																4373	4373
48/	47																4927	4928
48/	45																4501	4501
44/	43																3655	3655
41/	41																3248	3248
41/	39																3736	3736
37/	37																4212	4212
36/	35																5262	5263
34/	33																5779	5781
32/	31																6661	6661
31/	29																3693	3693
28/	27																2957	2959
27/	25																2293	2293
24/	23																1273	1273
22/	21																1336	1336
21/	19																1800	1800
17/	17																1163	1163
16/	15																1233	1233
14/	13																977	977
12/	11																946	947
11/	9																969	969
8/	7																756	756
EX																	662	944

MILITARY CLIMATOLOGY BRANCH  
 OCEANIC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703350 CAFE NENENHAM AFS AK

73-82

ALL

PAGE 1 ALL

Temp	WET BULB TEMPERATURE DEPRESSION F																				TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			20		
0/-5	.3	.5																				510	417	777	774
1/-3	.4	.6																				757	757	754	747
2/-1	.4	.7																				865	855	740	764
3/-1	.7	.2																				698	698	790	656
4/-3	.5	.2																				595	575	689	566
5/-5	.5	.1																				520	520	535	502
6/-7	.4	.0																				348	343	391	354
7/-9	.4																					214	214	325	349
8/-11	.3																					244	244	244	345
9/-13	.2																					129	129	179	342
10/-15	.2																					148	149	145	445
11/-17	.1																					66	63	66	271
12/-19	.3																					38	38	36	245
13/-21	.0																					2	2	2	254
14/-23																									177
15/-25																									67
16/-27																									46
17/-29																									26
18/-31																									19
19/-33																									9
20/-35																									2
21/-43																									3
22/-45																									2
23/-47																									2
24/-51																									2
25/-57																									2
TOTAL	17.862	216.4	2.9	.6	.1	.0	.0	.0															79731	79722	79722

Element	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$\sigma^2$	No. Obs	Mo. No. of Hours with Temperature	Mo. No. of Hours with Psychrometric
Air Dry Bulb	558764444	6624942	83.110	.159	79722		
Wet Bulb	110840253	2722767	34.114	.883	79731	343.234	19.5
Wet Bulb - Air Dry Bulb	100537513	2592971	32.514	.255	79722	370.438	62.3
Lea Point	66772324	2349258	25.515	.662	79722	567.587	26.9

U.S. AIR FORCE CLIMATOLOGY BRANCH  
AFETAC  
METEOROLOGICAL SERVICE Z/AC

### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATION

STATION: CAPE NEWENHAM AFS AK

73-52

MONTH	MEAN	STDEV												
JAN	12.7	17.8	12.9	17.2	16.6	42.0	43.0	35.0	40.0	30.1	25.7	11.1	13.7	13.7
FEB	14.8	17.1	15.4	17.4	18.7	42.2	43.2	35.2	40.2	30.2	25.8	11.2	13.8	14.1
MAR	17.0	17.6	17.7	17.8	20.3	42.3	43.3	35.3	40.3	30.3	25.9	11.3	13.9	14.4
APR	19.2	17.4	19.9	17.9	22.6	42.4	43.4	35.4	40.4	30.4	26.0	11.4	14.0	14.7
MAY	21.4	17.3	22.1	18.0	24.9	42.5	43.5	35.5	40.5	30.5	26.1	11.5	14.1	15.0
JUN	23.6	17.2	24.3	18.1	27.4	42.6	43.6	35.6	40.6	30.6	26.2	11.6	14.2	15.3
JUL	25.8	17.1	26.5	18.2	29.9	42.7	43.7	35.7	40.7	30.7	26.3	11.7	14.3	15.6
AUG	28.0	17.0	28.7	18.3	32.4	42.8	43.8	35.8	40.8	30.8	26.4	11.8	14.4	15.9
SEP	26.2	16.9	26.9	18.4	30.0	42.9	43.9	35.9	40.9	30.9	26.5	11.9	14.5	16.2
OCT	24.4	16.8	25.1	18.5	27.5	43.0	44.0	36.0	41.0	31.0	26.6	12.0	14.6	16.5
NOV	22.6	16.7	23.3	18.6	25.0	43.1	44.1	36.1	41.1	31.1	26.7	12.1	14.7	16.8
DEC	20.8	16.6	21.5	18.7	22.5	43.2	44.2	36.2	41.2	31.2	26.8	12.2	14.8	17.1
MEAN	22.7	19.2	24.4	18.2	40.5	40.7	51.7	52.9	40.4	37.1	29.5	11.1	13.4	14.7
STDEV	18.5	15.3	12.1	8.2	6.6	6.4	4.7	4.5	3.6	4.1	7.0	4.3	13.5	13.7
JAN	12.7	19.2	14.3	18.3	16.9	41.3	42.4	35.7	40.4	30.1	25.7	11.1	13.7	13.7
FEB	14.8	19.1	15.9	18.4	18.7	41.4	42.5	35.8	40.5	30.2	25.8	11.2	13.8	14.1
MAR	17.0	19.0	17.7	18.5	20.3	41.5	42.6	35.9	40.6	30.3	25.9	11.3	13.9	14.4
APR	19.2	18.9	19.9	18.6	22.6	41.6	42.7	36.0	40.7	30.4	26.0	11.4	14.0	14.7
MAY	21.4	18.8	22.1	18.7	24.9	41.7	42.8	36.1	40.8	30.5	26.1	11.5	14.1	15.0
JUN	23.6	18.7	24.3	18.8	27.4	41.8	42.9	36.2	40.9	30.6	26.2	11.6	14.2	15.3
JUL	25.8	18.6	26.5	18.9	29.9	41.9	43.0	36.3	41.0	30.7	26.3	11.7	14.3	15.6
AUG	28.0	18.5	28.7	19.0	32.4	42.0	43.1	36.4	41.1	30.8	26.4	11.8	14.4	15.9
SEP	26.2	18.4	26.9	19.1	30.0	42.1	43.2	36.5	41.2	30.9	26.5	11.9	14.5	16.2
OCT	24.4	18.3	25.1	19.2	27.5	42.2	43.3	36.6	41.3	31.0	26.6	12.0	14.6	16.5
NOV	22.6	18.2	23.3	19.3	25.0	42.3	43.4	36.7	41.4	31.1	26.7	12.1	14.7	16.8
DEC	20.8	18.1	21.5	19.4	22.5	42.4	43.5	36.8	41.5	31.2	26.8	12.2	14.8	17.1
MEAN	22.7	18.5	24.4	18.2	40.5	40.7	51.7	52.9	40.4	37.1	29.5	11.1	13.4	14.7
STDEV	18.5	15.3	12.1	8.2	6.6	6.4	4.7	4.5	3.6	4.1	7.0	4.3	13.5	13.7

CLIMATE DIVISION BRANCH  
 AFM/TAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION CAPE ELENHAM AFB AK

73-87

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	ANNUAL
MEAN	21.0	16.8	21.9	26.0	34.2	41.1	48.2	45.1	44.3	34.3	27.4	27.0
STDEV	14.49	15.33	12.55	8.453	4.666	3.824	3.673	3.052	4.075	6.415	8.877	12.710
MEAN	21.0	16.8	21.9	26.0	34.2	41.1	48.2	45.1	44.3	34.3	27.4	27.0
STDEV	14.49	15.33	12.55	8.453	4.666	3.824	3.673	3.052	4.075	6.415	8.877	12.710
MEAN	20.8	16.7	21.0	25.7	34.4	42.3	46.1	47.7	41.7	34.1	27.1	27.0
STDEV	14.98	14.9	12.467	8.538	4.641	3.897	3.510	3.132	4.249	6.570	8.711	12.874
MEAN	20.7	16.4	20.6	26.0	35.3	41.5	46.9	48.3	44.1	34.3	27.1	27.0
STDEV	14.67	15.27	12.613	8.532	4.946	3.723	3.467	3.029	4.271	6.459	8.818	12.710
MEAN	20.9	16.7	21.3	27.4	36.8	43.1	48.2	49.5	41.1	34.4	27.3	27.0
STDEV	14.75	15.36	12.527	8.330	5.296	3.857	3.465	3.072	4.132	6.396	8.727	12.670
MEAN	21.0	18.0	20.1	28.5	37.6	44.1	49.1	45.4	45.7	35.1	28.1	27.1
STDEV	14.52	14.83	11.284	8.112	5.476	3.813	3.413	3.036	4.075	6.723	8.513	12.110
MEAN	21.3	18.1	23.1	28.3	37.6	43.9	48.9	45.3	45.7	35.1	28.1	27.2
STDEV	14.82	14.39	11.255	8.546	5.385	3.849	3.412	3.057	3.958	6.448	8.472	12.710
MEAN	20.1	16.4	21.5	27.5	37.3	43.4	46.1	49.7	45.2	34.3	26.7	26.7
STDEV	12.93	13.66	11.825	8.357	5.419	3.376	3.503	3.036	4.151	6.894	8.365	12.710
MEAN	23.5	19.0	22.3	28.6	36.1	42.1	47.1	49.0	44.5	34.3	26.2	26.2
STDEV	12.78	13.82	11.594	8.523	4.648	3.593	3.509	3.024	4.062	6.811	8.431	12.475
MEAN	21.5	17.4	21.9	27.0	36.2	42.5	47.5	49.2	44.6	34.4	27.5	27.0
STDEV	14.41	14.77	11.935	8.413	5.246	3.943	3.593	3.213	4.152	6.478	8.663	12.710

SAFETY ( ) (LA)

2

U.S. AIR FORCE  
 CLIMATE BRANCH  
 WAFB

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

DAPE NEWENHAM AFB AK

73-50

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	STDEV	MEAN	STDEV
1-10	17.7	12.3	18.5	20.0	22.0	39.0	44.5	45.5	42.2	31.4	24.4	15.7	10.9
STDEV	16.673	17.877	13.433	9.744	4.795	4.362	3.681	3.696	5.100	7.469	9.691	14.385	11.447
STDEV	850	778	571	882	654	726	862	859	892	925	879	911	1220
1-11	18.4	12.2	17.3	22.6	31.6	39.1	44.5	45.0	41.8	31.2	24.1	15.7	10.9
STDEV	17.373	16.878	14.095	9.742	4.934	4.227	3.685	3.785	5.195	7.537	9.654	14.421	11.470
STDEV	919	831	914	881	910	796	915	918	893	970	876	879	1250
1-12	18.0	12.1	18.0	22.9	32.4	39.5	45.3	45.8	41.9	31.1	24.1	15.6	10.9
STDEV	17.480	16.919	14.371	9.819	4.919	3.898	3.385	3.323	5.230	7.364	9.577	14.327	11.520
STDEV	917	833	916	895	917	845	921	921	893	929	880	878	1274
1-13	18.6	12.1	17.9	24.0	33.5	40.8	46.3	47.9	42.7	31.4	24.3	15.6	10.9
STDEV	17.289	17.319	13.835	9.551	5.144	3.951	3.253	3.355	4.934	8.014	9.689	14.326	11.117
STDEV	919	839	925	891	916	854	919	919	898	917	885	911	1278
1-14	17.0	13.4	19.2	24.9	34.2	41.0	46.6	48.3	43.1	31.8	24.9	15.6	10.9
STDEV	17.384	16.869	13.117	9.268	5.274	3.785	3.320	3.314	4.770	7.813	9.426	14.278	11.554
STDEV	900	839	928	888	915	819	921	911	895	929	880	911	1274
1-17	18.7	13.6	17.5	24.9	34.1	41.1	46.4	48.3	43.1	32.0	25.1	15.6	10.9
STDEV	17.655	16.821	13.036	9.227	5.042	3.671	3.173	3.237	4.788	7.194	9.289	14.221	11.521
STDEV	911	845	927	861	863	721	874	875	851	811	789	797	990
1-20	19.5	14.1	18.3	24.2	33.9	41.0	46.1	47.9	42.7	31.4	25.0	15.9	10.9
STDEV	14.783	15.574	13.593	9.621	5.409	3.337	3.299	3.346	4.904	6.796	9.162	14.371	11.253
STDEV	840	835	822	731	827	464	675	752	719	740	722	655	825
1-23	18.5	14.7	19.2	23.5	33.1	40.2	45.3	47.4	42.2	31.4	25.2	15.3	10.9
STDEV	14.517	15.864	13.10	9.881	4.941	3.753	3.489	3.472	5.017	5.980	9.189	14.13	14.627
STDEV	819	569	741	780	823	536	681	737	778	785	744	675	825
1-24	17.5	13.0	18.5	23.7	33.0	40.3	45.6	47.4	42.5	31.5	24.6	15.6	10.9
STDEV	15.779	16.847	13.597	9.654	5.167	3.956	3.495	3.570	4.975	7.500	9.498	14.354	11.562
STDEV	6825	6130	742	6851	827	576	6757	6932	6819	6877	6265	6877	7822

USAFETAC (LA)



CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

RELATIVE HUMIDITY

7 0000  
 YEAR

CAFE NEENHAM AFS AK  
 STATION NAME

73-82

PERIOD

53

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBS.
		10	20	30	40	50	60	70	80	90		
FEB	01-01	100.0	100.0	100.0	100.0	98.5	93.3	75.3	48.5	16.6	73.3	776
	01-05	100.0	100.0	100.0	99.8	98.4	94.8	79.1	50.7	16.8	79.2	831
	05-08	100.0	100.0	100.0	99.9	98.8	94.6	82.2	51.9	16.3	78.9	833
	08-11	100.0	100.0	100.0	99.8	97.9	93.9	76.2	50.5	14.1	76.9	839
	11-14	100.0	100.0	100.0	100.0	99.2	92.5	73.5	45.9	13.2	77.9	839
	14-17	100.0	100.0	100.0	100.0	99.3	94.5	76.4	45.8	16.7	78.9	870
	17-21	100.0	100.0	100.0	100.0	99.8	95.6	79.4	53.9	17.5	79.0	835
	21-23	100.0	100.0	100.0	100.0	99.5	92.8	79.8	53.6	18.8	79.0	867
TOTALS		100.0	100.0	100.0	99.9	98.9	94.3	77.5	50.1	15.2	79.0	5130

USAFETAC

FORM 64

0-87-5 OL A



CENTRAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 U.S. WEATHER SERVICE/MAO

RELATIVE HUMIDITY

CAPE NEENHAM AFS AK  
 STATION NAME

73-82

PERIOD

ADP  
 001

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	NO. OF OBS.
		10	20	30	40	50	60	70	80	90		
APR	00-01	100.0	100.0	100.0	100.0	100.0	98.6	91.7	87.1	25.2	83.5	881
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	92.6	72.6	23.8	83.8	881
	08-08	100.0	100.0	100.0	99.8	99.4	98.5	92.9	71.3	22.7	83.8	889
	09-11	100.0	100.0	100.0	99.9	99.2	97.0	87.2	65.2	21.9	82.3	89
	12-14	100.0	100.0	100.0	100.0	99.5	97.1	83.4	56.8	18.2	81.1	888
	15-17	100.0	100.0	100.0	100.0	99.5	97.0	85.5	62.7	19.6	81.9	851
	20-21	100.0	100.0	100.0	100.0	99.7	98.0	90.3	63.4	24.7	82.9	791
	22-23	100.0	100.0	100.0	100.0	99.9	98.5	91.5	66.8	28.7	83.7	781
TOTALS		100.0	100.0	100.0	100.0	99.7	98.0	89.4	65.2	23.1	82.8	6851

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

1980 CAPE NEWENHAM AFS AK  
STATION NAME

73-82

PERIOD

MAY  
MONTH

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

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBS.
		10	20	30	40	50	60	70	80	90		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	99.1	89.5	65.2	22.9	81.0	894
	03-05	100.0	100.0	100.0	100.0	100.0	98.8	91.1	65.8	24.6	80.4	91
	06-08	100.0	100.0	100.0	100.0	99.8	96.7	86.4	63.2	25.4	82.9	917
	09-11	100.0	100.0	100.0	99.5	99.2	95.2	78.2	55.9	21.2	80.3	916
	12-14	100.0	100.0	100.0	99.5	98.8	93.4	75.0	48.6	16.2	76.6	915
	15-17	100.0	100.0	100.0	99.7	99.2	93.7	76.7	50.5	18.5	79.4	868
	18-20	100.0	100.0	100.0	99.7	98.9	95.5	76.7	50.9	15.7	79.8	877
	21-23	100.0	100.0	100.0	100.0	99.2	97.6	87.2	62.6	23.3	82.5	828
TOTALS		100.0	100.0	100.0	99.9	99.4	96.5	82.6	57.8	21.3	81.5	8677



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2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1957 CAPE NEWENHAM AFS AK 73-82 JUL  
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 OBS DAYS
		10	20	30	40	50	60	70	80	90		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	99.1	94.7	79.6	51.9	58.2	16
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	95.8	82.5	50.9	58.6	415
	06-08	100.0	100.0	100.0	99.9	99.8	99.2	95.5	81.9	47.7	68.3	921
	09-11	100.0	100.0	100.0	100.0	99.9	98.0	92.1	71.6	41.1	66.3	919
	12-14	100.0	100.0	100.0	100.0	99.6	96.4	87.8	61.1	29.6	63.2	92
	15-17	100.0	100.0	100.0	100.0	99.2	95.9	84.3	60.6	29.4	60.6	854
	18-20	100.0	100.0	100.0	99.7	99.7	97.6	90.1	74.6	40.2	65.8	676
	21-23	100.0	100.0	100.0	100.0	99.9	98.4	94.9	78.1	46.3	67.7	68
TOTALS		100.0	100.0	100.0	100.0	99.7	98.0	92.0	73.8	42.0	66.4	6757

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1-0000  
 STATION

CAPE NEWENHAM AFS AK  
 STATION NAME

73-B

PERIOD

AUG  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBSERVATIONS
		10	20	30	40	50	60	70	80	90		
AUG	00-01	100.0	100.0	100.0	100.0	99.8	99.7	96.4	76.9	43.7	57.6	659
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	95.9	76.0	45.5	88.2	918
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.7	78.6	48.3	86.1	921
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	93.8	75.6	41.5	86.9	917
	12-14	100.0	100.0	100.0	100.0	99.7	98.8	90.9	67.7	31.8	84.7	921
	15-17	100.0	100.0	100.0	100.0	99.8	98.4	91.3	69.1	32.9	85.2	875
	18-21	100.0	100.0	100.0	100.0	99.7	98.8	94.6	74.3	49.8	86.8	780
	22-23	100.0	100.0	100.0	100.0	100.0	99.2	97.2	79.4	45.5	88.0	737
TOTALS		100.0	100.0	100.0	100.0	99.9	99.2	94.6	74.7	41.4	86.9	6932

USAFETAC

FORM 10-64

0-87-5 OL A

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAO

**RELATIVE HUMIDITY**

STATION: CAPE NEWENHAM AFS AK PERIOD: 73-82

**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	00-04	100.0	100.0	100.0	100.0	100.0	99.4	96.4	73.5	33.1	85.8	697
	05-09	100.0	100.0	100.0	100.0	100.0	99.9	95.7	74.2	36.3	85.0	698
	10-14	100.0	100.0	100.0	100.0	100.0	99.8	96.2	72.2	29.9	85.6	697
	15-19	100.0	100.0	100.0	100.0	100.0	99.4	92.4	64.0	23.1	83.8	698
	20-24	100.0	100.0	100.0	100.0	99.7	98.5	87.5	58.1	13.7	82.3	698
	25-29	100.0	100.0	100.0	100.0	99.9	98.7	87.8	58.0	20.4	82.7	697
	30-01	100.0	100.0	100.0	100.0	100.0	99.6	90.3	60.1	22.3	85.2	719
	02-23	100.0	100.0	100.0	100.0	100.0	100.0	91.9	67.2	26.1	84.5	778
TOTALS		100.0	100.0	100.0	100.0	100.0	99.4	92.3	65.9	26.2	84.2	6619

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7-2085  
FORM

CAPE NEWENHAM AFS AK  
STATION NAME

73-82

PERIOD

001

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL OBS.	
		10	20	30	40	50	60	70	80			90
001	00-11	100.0	100.0	100.0	100.0	99.9	99.3	93.4	63.4	22.4	83.0	918
	03-05	100.0	100.0	100.0	100.0	99.9	99.3	94.6	65.8	22.9	83.6	910
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	93.7	69.2	23.7	83.8	919
	09-11	100.0	100.0	100.0	99.8	99.6	98.7	93.4	62.6	22.3	82.7	917
	12-14	100.0	100.0	100.0	99.9	99.6	97.9	86.9	57.1	17.3	81.3	919
	15-17	100.0	100.0	100.0	99.9	99.5	99.1	98.9	58.1	2.8	82.0	816
	18-21	100.0	100.0	100.0	100.0	100.0	99.7	92.6	64.4	24.8	83.0	740
	21-23	100.0	100.0	100.0	100.0	100.0	99.2	93.8	61.9	25.6	83.4	781
TOTALS		100.0	100.0	100.0	100.0	99.8	99.1	91.8	62.8	22.5	82.9	6877



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 1950  
 PERIOD

CAPE NEENHAM AFS AK  
 STATION NAME

73-81

PERIOD

1950

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	NO. OBS.
		10	20	30	40	50	60	70	80	90		
DEC	01-02	100.0	100.0	100.0	99.8	98.9	94.3	85.3	58.2	23.4	81.8	971
	03-05	100.0	100.0	99.9	99.9	99.7	96.5	87.1	59.1	24.4	82.2	970
	06-08	100.0	100.0	100.0	99.8	98.7	96.3	87.2	63.1	24.3	82.3	970
	09-11	100.0	100.0	100.0	100.0	98.8	96.2	85.7	60.3	23.7	81.8	970
	12-14	100.0	100.0	100.0	100.0	98.4	96.2	83.6	58.9	23.3	81.3	971
	15-17	100.0	100.0	100.0	100.0	98.7	96.2	84.4	58.3	22.1	81.3	977
	18-21	100.0	100.0	100.0	100.0	98.6	95.9	84.7	60.2	25.2	81.7	950
	22-23	100.0	100.0	100.0	99.6	98.8	95.1	84.1	61.3	24.1	81.7	976
TOTALS		100.0	100.0	100.0	99.9	98.7	95.9	85.3	60.2	22.8	81.7	9677

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 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

7 1950  
 MONTH

CAPE NEWENHAM AFS AK  
 STATION NAME

73-82

PERIOD

ALL  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS PERCENT	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBSERVATIONS
		10	20	30	40	50	60	70	80	90		
JAN	ALL	100.0	99.9	99.9	99.4	98.9	93.1	81.9	57.8	23.9	80.5	6595
FEB		100.0	100.0	100.0	99.9	98.9	94.0	77.6	50.1	16.2	79.0	613
MAR		100.0	100.0	100.0	99.9	99.6	97.4	87.0	63.6	21.6	82.3	7041
APR		100.0	100.0	100.0	100.0	99.7	98.0	89.4	65.2	23.1	82.3	6251
MAY		100.0	100.0	100.0	99.9	99.4	96.5	82.6	57.8	21.3	81.3	6277
JUN		100.0	100.0	100.0	100.0	99.9	98.3	91.1	69.9	35.9	85.3	576
JUL		100.0	100.0	100.0	100.0	99.7	98.0	92.0	73.8	42.0	86.4	6757
AUG		100.0	100.0	100.0	100.0	99.9	99.2	94.6	74.7	41.0	86.9	6932
SEP		100.0	100.0	100.0	100.0	100.0	99.4	92.3	65.9	26.2	84.2	6619
OCT		100.0	100.0	100.0	100.0	99.8	99.1	91.8	62.8	22.5	82.9	6677
NOV		100.0	100.0	100.0	100.0	99.9	99.3	92.9	68.6	25.8	84.0	6665
DEC		100.0	100.0	100.0	99.9	98.7	95.9	85.3	60.0	23.8	81.7	6677
TOTALS		100.0	100.0	100.0	99.9	99.5	97.5	88.2	64.2	27.0	83.1	79722

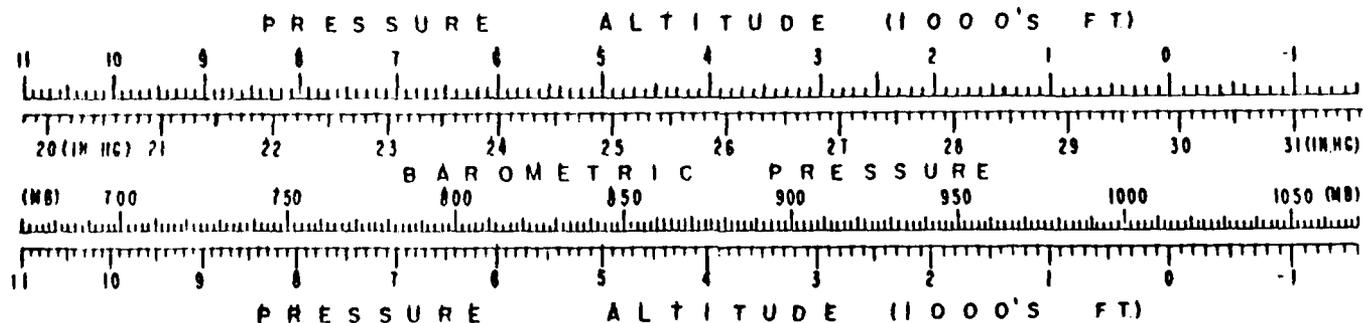
## PART F PRESSURE SUMMARY

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.



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 METEOROLOGICAL BRANCH  
 AFSTAC  
 WEATHER SERVICE ZNAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATION.

STATION: CAPE NEWENHAM AFB AK

73-80

	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	ANNUAL
MEAN	30.00629	30.02629	30.02429	30.14129	30.14129	30.29729	30.31129	30.27329	30.17428	30.96828	30.97028	30.94128	30.101
STDEV	.455	.448	.351	.340	.276	.242	.194	.242	.319	.375	.407	.465	.375
MEAN	27.9	27.9	29.4	28.6	30.4	25.4	30.7	30.7	29.8	30.2	29.3	27.0	28.14
MEAN	30.99829	30.01429	30.1029	30.13129	30.13229	30.29529	30.30629	30.26229	30.97728	30.96528	30.96528	30.99128	30.101
STDEV	.455	.450	.358	.339	.273	.239	.193	.247	.321	.377	.477	.467	.375
MEAN	27.1	26.7	29.6	28.0	30.2	27.5	30.4	30.4	29.7	29.7	29.0	27.0	28.14
MEAN	30.99129	30.19229	30.02029	30.14129	30.14429	30.29629	30.31429	30.26629	30.97428	30.96628	30.96528	30.95428	30.101
STDEV	.455	.449	.358	.339	.275	.236	.195	.248	.316	.377	.445	.467	.375
MEAN	27.5	27.1	29.9	28.7	30.6	26.5	30.7	30.7	29.8	30.3	29.4	27.1	28.14
MEAN	30.00629	30.03929	30.02929	30.14029	30.15029	30.30429	30.32229	30.27329	30.11328	30.97728	30.97728	30.97128	30.101
STDEV	.455	.448	.356	.340	.277	.234	.195	.251	.317	.375	.474	.465	.375
MEAN	27.7	27.7	30.2	28.8	30.5	28.6	30.7	30.7	29.9	30.3	29.5	27.4	28.14
MEAN	30.99229	30.03229	30.02729	30.14729	30.15229	30.30429	30.32429	30.27329	30.11028	30.97128	30.96628	30.95528	30.101
STDEV	.457	.448	.355	.340	.278	.235	.194	.248	.314	.373	.484	.465	.375
MEAN	27.1	27.8	30.4	28.9	30.5	25.4	30.7	30.7	29.8	30.3	29.3	27.1	28.14
MEAN	30.00129	30.03629	30.01429	30.14229	30.14129	30.30229	30.31529	30.26629	30.11928	30.94728	30.96028	30.99428	30.101
STDEV	.456	.457	.355	.338	.271	.241	.194	.245	.302	.362	.415	.465	.375
MEAN	27.0	26.2	30.3	27.7	27.9	23.3	26.8	29.2	28.4	28.4	26.5	26.2	28.14
MEAN	30.96729	30.02429	30.00529	30.15029	30.11929	30.29729	30.31629	30.26429	30.12828	30.94228	30.97129	30.90528	30.101
STDEV	.455	.456	.360	.335	.269	.258	.203	.237	.310	.387	.418	.467	.377
MEAN	28.0	19.7	30.1	25.2	20.9	15.4	22.3	28.0	24.1	24.0	24.0	20.0	26.84
MEAN	30.95129	30.03129	30.02129	30.15829	30.16029	30.30629	30.32029	30.26529	30.10728	30.95928	30.96229	30.90028	30.101
STDEV	.455	.452	.367	.341	.269	.242	.203	.239	.317	.378	.417	.465	.377
MEAN	22.7	19.4	24.6	25.7	24.7	22.8	26.0	27.7	29.7	29.5	26.6	25.9	31.57
MEAN	30.98929	30.02829	30.02029	30.14529	30.14329	30.30729	30.31629	30.26629	30.11028	30.94428	30.96928	30.97528	30.101
STDEV	.455	.450	.358	.339	.274	.239	.196	.245	.314	.376	.409	.464	.376
TOTAL	2212	2016	2305	2216	2257	1979	2309	2381	2311	2314	2228	2238	25791

NO. 10 METEOROLOGICAL BUREAU  
U.S. AIR FORCE  
CANTON, MISSISSIPPI

### MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MB FROM HOURLY OBSERVATIONS

CAMP NEWNAM AFB, MS 73-67

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL
MEAN	1019.51	1014.11	1015.91	1017.81	1017.91	1018.12	1018.13	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11
STDEV	15.47	15.82	15.58	15.86	15.87	15.75	15.74	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1294	1270	1294	1286	1305	1284	1307	1307	1307	1298	1312	1293	1302	1298	1302	1297	1297	1290	1300	1293	1302	1293	1302	1293	1302
MEAN	1020.11	1015.71	1016.87	1017.81	1017.21	1017.71	1017.91	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11	1018.11
STDEV	15.14	15.59	15.52	15.75	15.46	15.29	15.68	15.57	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1302	1267	1294	1282	1302	1275	1304	1302	1297	1297	1290	1300	1293	1302	1297	1297	1290	1300	1293	1302	1293	1302	1293	1302	1293
MEAN	1021.81	1013.81	1013.71	1013.87	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71
STDEV	15.74	15.61	15.49	15.78	15.51	15.18	15.67	15.59	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1302	1271	1298	1287	1306	1285	1307	1307	1298	1303	1294	1302	1293	1302	1297	1297	1290	1300	1293	1302	1293	1302	1293	1302	1293
MEAN	1023.31	1014.51	1014.11	1014.87	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71	1014.71
STDEV	15.30	15.38	15.34	15.87	15.55	15.14	15.73	15.62	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1307	1277	1301	1286	1305	1285	1307	1307	1299	1303	1295	1304	1295	1304	1299	1303	1295	1304	1295	1304	1295	1304	1295	1304	1295
MEAN	1024.31	1014.31	1013.91	1013.87	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71
STDEV	15.26	15.55	15.39	15.87	15.56	15.17	15.69	15.57	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1308	1278	1304	1289	1305	1284	1306	1307	1298	1303	1293	1302	1293	1302	1297	1297	1290	1300	1293	1302	1293	1302	1293	1302	1293
MEAN	1025.11	1014.41	1013.51	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71
STDEV	15.27	15.87	15.41	15.74	15.39	15.34	15.67	15.54	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1307	1262	1303	1277	1279	1233	1287	1292	1284	1265	1257	1261	1257	1261	1257	1257	1250	1261	1257	1261	1257	1261	1257	1261	1257
MEAN	1021.31	1014.51	1013.21	1013.87	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71
STDEV	15.15	15.86	15.57	15.71	15.2	15.34	15.95	15.7	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1302	1297	1261	1252	1259	1254	1223	1260	1240	1246	1240	1246	1240	1246	1240	1246	1240	1246	1240	1246	1240	1246	1240	1246	1240
MEAN	1020.01	1014.21	1013.81	1013.87	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71
STDEV	15.81	15.73	15.75	15.86	15.33	15.42	15.7	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1227	1294	1246	1257	1247	1228	1265	1277	1297	1295	1266	1258	1266	1258	1266	1258	1266	1258	1266	1258	1266	1258	1266	1258	1266
MEAN	1022.71	1014.11	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71	1013.71
STDEV	15.92	15.63	15.49	15.77	15.47	15.31	15.75	15.45	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75
MAX	1212	1216	1201	1218	1228	1219	1237	1259	1231	1234	1228	1229	1228	1229	1228	1229	1228	1229	1228	1229	1228	1229	1228	1229	1228

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