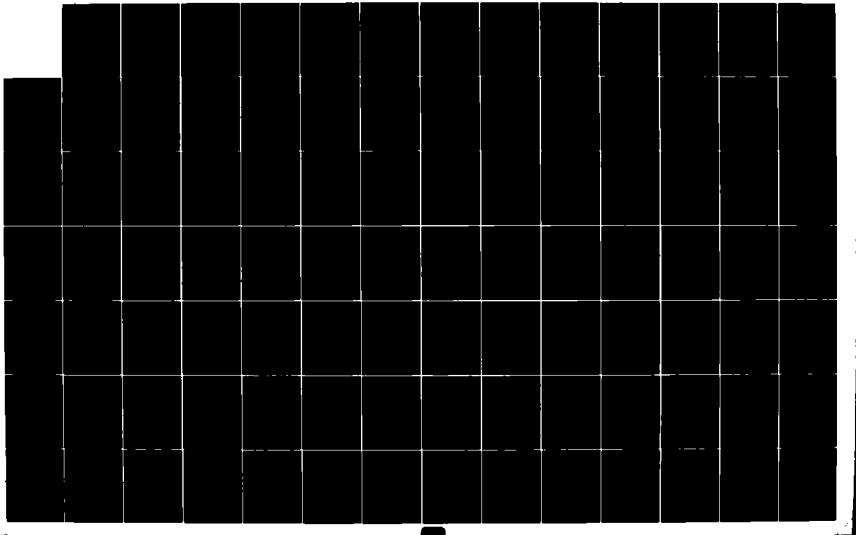
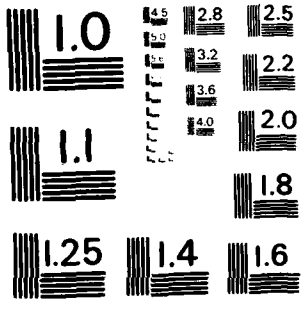
AD-A131 192 CAPE NEWENHAM AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83 1/5

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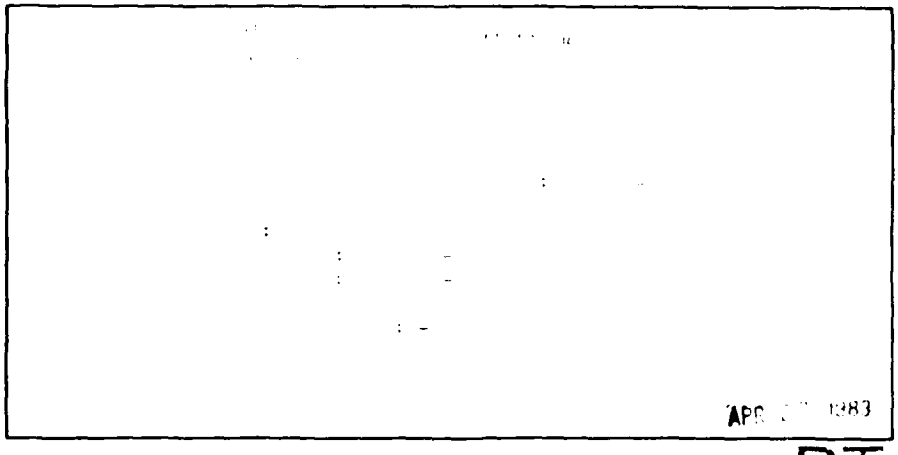

MICROCOPY RESOLUTION TEST CHART
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# DATA PROCESSING DIVISION
# USAFETAC
## Air Weather Service ( MAC )



APR 1983

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## REPORT DOCUMENTATION PAGE

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18 SUPPLEMENTARY NOTES

19 KEY WORDS (Continue on reverse side if necessary and identify by block number)

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

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

This report is a six-part statisitical summary of surface weather observations for

CAPE NEWENHAM AFS, ALASKA

It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric (over)

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

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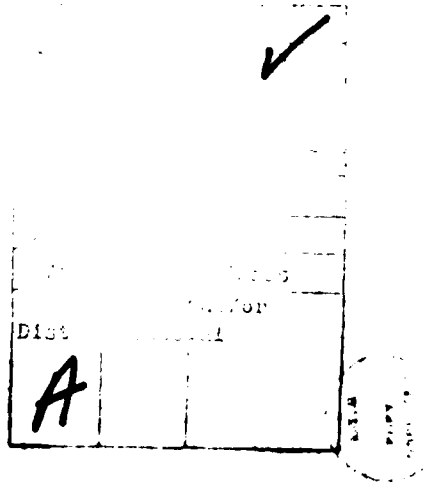
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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*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 occurance or cumulative percentage frequency of occuring tables.



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.

# 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 | STATION NAME: | LATITUDE: | LONGITUDE | STATION ELEV (FT) | CALL SIGN | WMO NUMBER |
|---|---|---|---|---|---|---|
| 703050 | CAPE NEWENHAM ALASKA AFS | N 58 39 | W 162 04 | 541 | PAEH | 70309 |

# 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 [illegible] | 485 | 543 | [illegible] |
| 2 | No Change | AFS | Mar 56 | Feb 62 | No Change | No Change | 538 | No Chge | [illegible] |
| 3 | No Change | AFS | Mar 62 | 25 Aug 63 | N 58 [illegible] | W 162 [illegible] | No Chge | No Chge | [illegible] |
| 4 | No Change | AFS | 26 Aug 63 | May 70 | No Change | No Change | 552 | 535 | [illegible] |
| 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 | |

USAF ETAC FORM APR 68 0-19 (OL-1)

CONTINUED ON REVERSE SIDE

| 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 3 May 67 | Located 400 Ft left of Rnwy 14 at 600 Ft. Marker | AN/GMQ-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 | |

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A

# PART A WEATHER CONDITIONS

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

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

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# WEATHER CONDITIONS

7 [illegible] CAPE NEWENHAM AFS AK 73-87 JAN
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH LESS TO VISION | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | 00-02 | | 7.1 | .1 | 19.5 | | 25.4 | 16.0 | | 12.1 | | 25.4 | [illegible] |
| | 03-05 | | 7.3 | 1.1 | 19.1 | | 25.5 | 17.9 | | 12.4 | | 27.2 | [illegible] |
| | 06-08 | | 6.1 | .7 | 18.3 | | 25.1 | 18.1 | | 12.4 | | 27.[illegible] | [illegible] |
| | 09-11 | | 6.2 | .9 | 16.7 | | 22.4 | 18.7 | | 10.5 | | 26.4 | [illegible] |
| | 12-14 | | 5.8 | | 19.9 | | 24.2 | 16.3 | | 10.4 | | 23.6 | [illegible] |
| | 15-17 | | 6.9 | | 20.1 | | 25.6 | 19.9 | | 9.5 | | 26.[illegible] | 821 |
| | 18-20 | | 8.4 | | 20.2 | | 27.7 | 21.9 | | 9.5 | | 29.6 | [illegible] |
| | 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 | 8[illegible]6 |

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# WEATHER CONDITIONS

7 3750 CAPE NEWENHAM AFS AK 73-82 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH REST TO VIS | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | 00-02 | | 5.4 | .5 | 22.2 | | 27.1 | 14.8 | | 9.8 | | 22.6 | 778 |
| | 03-05 | | 6.5 | .4 | 22.7 | | 26.9 | 15.3 | | 12.4 | | 24.4 | 438 |
| | 06-08 | | 6.6 | .4 | 23.2 | | 26.9 | 14.6 | | 11.3 | | 25.2 | 823 |
| | 09-11 | | 6.2 | | 18.0 | | 21.9 | 14.3 | | 7.1 | | 19.7 | 439 |
| | 12-14 | | 3.5 | | 16.6 | | 19.7 | 11.2 | .1 | 6.3 | | 21.7 | 339 |
| | 15-17 | | 4.8 | | 17.0 | | 20.7 | 13.6 | | 6.5 | | 21.6 | 415 |
| | 18-20 | | 5.7 | | 16.2 | | 19.4 | 17.6 | | 5.8 | | 21.7 | 635 |
| | 21-23 | | 5.8 | .2 | 19.5 | | 23.6 | 17.4 | | 6.9 | | 21.6 | 569 |
| TOTALS | | | 6.1 | .2 | 19.4 | | 23.3 | 14.9 | .0 | 8.3 | | 21.6 | 6131 |

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# WEATHER CONDITIONS

7 5050 (STATION) CAPE NEWENHAM AFS AK (STATION NAME) 73-82 (YEARS) MAR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOUR (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH RESTRICTION | TOTAL NUMBER OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAR | 00-02 | | 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 | | 2[illegible].6 | 917 |
| | 06-08 | | 3.0 | | 24.2 | | 25.8 | 21.3 | | 11.3 | | 27.2 | 916 |
| | 09-11 | | 3.8 | | 25.8 | | 28.0 | 21.3 | | 9.3 | | 27.5 | 927 |
| | 12-14 | | 3.9 | | 28.7 | | 31.5 | 23.4 | .2 | 13.3 | | 29.7 | 919 |
| | 15-17 | | 3.7 | .2 | 29.0 | | 32.0 | 23.9 | .2 | 1[illegible].7 | | [illegible] | 927 |
| | 18-20 | | 4.5 | .1 | 26.0 | | 29.8 | 28.0 | .2 | 11.7 | | 33.[illegible] | 922 |
| | 21-23 | | 5.1 | .3 | 28.5 | | 32.4 | 28.1 | | 11.2 | | 33.3 | 941 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 4.1 | .1 | 27.2 | | 30.1 | 23.5 | .1 | 11.4 | | [illegible].[illegible] | 7[illegible]5 |

2

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# WEATHER CONDITIONS

7 5050 CAPE NEWENHAM AFS AK 73-82 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH RESTRICTION TO VISION | TOTAL NUMBER OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR | 00-02 | | 5.2 | .7 | 27.6 | | 34.4 | 22.1 | | 13.2 | | 33.5 | 682 |
| | 03-05 | | 4.5 | .1 | 24.9 | | 29.2 | 22.3 | | 9.4 | | 28.2 | 659 |
| | 06-08 | | 5.3 | .2 | 24.9 | | 29.5 | 26.0 | | 8.3 | | 31.7 | 689 |
| | 09-11 | | 4.7 | .1 | 26.9 | | 30.7 | 24.2 | | 7.3 | | 27.3 | 690 |
| | 12-14 | | 4.6 | .2 | 21.0 | | 25.9 | 22.5 | | 5.9 | | 25.7 | 688 |
| | 15-17 | | 6.2 | | 21.5 | | 28.2 | 21.8 | | 5.5 | | 24.7 | 681 |
| | 18-20 | | 7.0 | .1 | 17.1 | | 25.4 | 23.7 | | 6.7 | | 27.7 | 761 |
| | 21-23 | | 5.8 | .3 | 24.2 | | 29.1 | 25.5 | | 8.5 | | 30.4 | 760 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 5.4 | .2 | 23.8 | | 28.6 | 23.5 | | 7.7 | | 27.6 | 6851 |

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# WEATHER CONDITIONS

7 [illegible] CAPE NEWENHAM AFS AK 73-82 MAY
STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOUR | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | 03-04 | | 12.6 | .1 | 10.3 | | 21.5 | 17.2 | | .6 | | 17.2 | 554 |
| | 05-06 | | 14.1 | | 9.9 | | 21.2 | 18.7 | | 1.2 | | 19.4 | 512 |
| | 06-08 | | 11.8 | | 11.2 | | 21.3 | 19.2 | | 2.1 | | 20.2 | 547 |
| | 09-11 | | 12.4 | | 9.7 | | 21.6 | 18.3 | | 2.4 | | 17.3 | 517 |
| | 12-14 | | 12.6 | | 9.4 | | 20.9 | 15.6 | | 1.2 | | 16.3 | 515 |
| | 15-17 | | 13.2 | | 8.3 | | 20.9 | 15.6 | | 1.2 | | 16.4 | 504 |
| | 18-20 | | 13.4 | | 6.7 | | 19.5 | 15.9 | | .5 | | 19.9 | 527 |
| | 21-23 | | 14.1 | .2 | 7.4 | | 20.7 | 16.1 | | .2 | | 16.2 | 523 |
| TOTALS | | | 12.7 | .0 | 9.0 | | 21.0 | 17.1 | | 1.2 | | 17.6 | 6629 |

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# WEATHER CONDITIONS

| [illegible] | CAPE NEWENHAM AFS AK | 73-82 | JUN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH REST TO VISION | TOTAL NUMBER OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN | 00-02 | | 25.7 | .3 | .8 | | 24.9 | 32.3 | | | | 32.3 | 727 |
| | 03-05 | | 22.6 | | .3 | | 22.8 | 33.8 | | | | 33.8 | 797 |
| | 06-08 | | 22.6 | | .7 | | 22.8 | 31.5 | | | | 31.5 | 845 |
| | 09-11 | | 21.5 | | .8 | | 21.9 | 26.9 | | | | 26.9 | 834 |
| | 12-14 | | 19.9 | | | | 19.9 | 22.0 | | | | 22.0 | 749 |
| | 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 | | .0 | 22.2 | .0 | .4 | | 22.5 | 28.0 | | | | 28.0 | 5763 |

2 GLOBAL CLIMATOLOGY BRANCH
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# WEATHER CONDITIONS

[illegible] CAPE NEWENHAM AFS AK 73-82 JUL
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL | 00-02 | | 26.6 | | | | 26.6 | 35.7 | | | | 35.7 | 462 |
| | 03-05 | | 27.1 | | | | 27.1 | 36.7 | | | | 36.7 | 816 |
| | 06-08 | | 23.7 | | | | 23.7 | 36.3 | | | | 36.3 | 821 |
| | 09-11 | | 23.8 | | | | 23.8 | 34.1 | | | | 34.1 | 819 |
| | 12-14 | | 22.0 | | | | 22.0 | 24.2 | | | | 24.2 | 821 |
| | 15-17 | | 21.1 | | | | 21.1 | 32.3 | | | | 32.3 | 564 |
| | 18-20 | | 26.3 | | | | 26.3 | 36.6 | | | | 36.6 | 576 |
| | 21-23 | | 27.1 | | | | 27.1 | 33.2 | | | | 33.2 | 480 |
| TOTALS | | | 24.7 | | | | 24.7 | 31.1 | | | | 31.1 | 6759 |

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# WEATHER CONDITIONS

[illegible] CAPE NEWENHAM AFS AK 73-87 [illegible]
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOUR (LST) | THUNDER (T-STM) | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS W TH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG | 00-02 | | 27.5 | | | | 29.5 | 31.3 | | | | 31.3 | 459 |
| | 03-05 | | 35.9 | | | | 35.9 | 35.5 | | | | 35.5 | 918 |
| | 06-08 | | 36.4 | | | | 36.4 | 32.0 | | | | 32. | 721 |
| | 09-11 | | 31.6 | | | | 31.6 | 29.9 | | | | 29.9 | [illegible] |
| | 12-14 | | 26.7 | | | | 26.7 | 24.1 | | | | 24.1 | 921 |
| | 15-17 | | 26.4 | | | | 26.4 | 25.9 | | | | 25.9 | 875 |
| | 18-20 | | 27.7 | | | | 27.7 | 27.6 | | | | 27.6 | 782 |
| | 21-23 | | 29.6 | | | | 29.6 | 29.4 | | | | 29.4 | 737 |
| TOTAL | | | 29.9 | | | | 29.9 | 29.5 | | | | 29.5 | 6033 |

USAFETAC FORM 0-10-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# WEATHER CONDITIONS

7 3350 CAPE NEWENHAM AFS AK 75-82 SEP
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOUR (L.S.T.) | THUNDER OR LTNG | 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 NUMBER OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP | 00-02 | | 29.9 | | | | 29.9 | 16.0 | | | | 16.0 | 497 |
| | 03-05 | | 30.6 | | | | 30.6 | 15.6 | | | | 15.6 | 493 |
| | 06-08 | | 27.5 | | .2 | | 27.6 | 16.8 | | | | 16.8 | 494 |
| | 09-11 | | 27.7 | | .3 | | 28.1 | 16.5 | .2 | | | 16.5 | 498 |
| | 12-14 | | 25.0 | | .2 | | 25.3 | 13.4 | | | | 13.4 | 495 |
| | 15-17 | .1 | 24.9 | | .4 | .1 | 25.5 | 13.4 | | | | 13.4 | 501 |
| | 18-20 | | 23.9 | | .1 | | 23.9 | 14.1 | | | | 14.1 | 721 |
| | 21-23 | | 25.7 | | | | 25.7 | 14.3 | | | | 14.3 | 778 |
| TOTALS | | .0 | 26.7 | | .2 | .0 | 26.8 | 15.3 | .0 | | | 15.0 | 6262 |

USAFETAC FORM 0-10-5 OL A, PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# WEATHER CONDITIONS

7 [illegible] CAPE NEWENHAM AFS AK 73-82 OCT
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH REDUCED VISIBILITY | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | 00-02 | | 18.8 | | 6.1 | | 26.4 | 12.9 | | .6 | | 13.5 | [illegible].5 |
| | 03-05 | | 19.9 | | 7.0 | | 26.2 | 12.3 | | .7 | | 13.[illegible] | [illegible].1 |
| | 06-08 | | 22.7 | | 8.9 | | 30.3 | 13.0 | | .4 | | 13.2 | [illegible].9 |
| | 09-11 | | 22.8 | | 8.8 | .1 | 30.0 | 16.1 | | | | 16.1 | [illegible].7 |
| | 12-14 | | 20.8 | | 7.8 | .2 | 27.0 | 15.6 | .2 | .1 | | 15.9 | [illegible].0 |
| | 15-17 | | 21.0 | | 7.0 | | 27.1 | 15.2 | | .1 | | 15.3 | 816 |
| | 18-20 | | 19.9 | | 7.7 | .1 | 26.3 | 15.2 | | .3 | | 15.2 | 747 |
| | 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 |

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# WEATHER CONDITIONS

[illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — NOV (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORM | 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 VSBY [illegible] | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | 00-02 | | 10.0 | .1 | 22.1 | | 37.5 | 18.7 | | 3.9 | | 20.4 | 979 |
| | 03-05 | | 8.7 | .3 | 21.6 | | 29.3 | 10.9 | .1 | 5.7 | | 21.6 | 975 |
| | 06-08 | | 9.6 | .3 | 22.3 | | 29.5 | 16.3 | | 5.3 | | 19.9 | 987 |
| | 09-11 | | 9.9 | .6 | 17.4 | | 25.1 | 14.9 | | 3.7 | | 17.1 | 965 |
| | 12-14 | | 12.3 | .2 | 19.3 | | 29.1 | 14.1 | | 2.7 | | 15.7 | 967 |
| | 15-17 | | 12.3 | .5 | 18.8 | | 30.5 | 20.9 | | 3.7 | .1 | 23.4 | 969 |
| | 18-20 | | 12.6 | | 21.4 | | 31.6 | 22.3 | | 4.4 | | 24.5 | 732 |
| | 21-23 | | 11.6 | | 19.1 | | 29.6 | 21.1 | | 5.1 | | 23.6 | 748 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 10.6 | .3 | 20.2 | | 29.8 | 18.2 | .0 | 4.3 | .0 | 21.9 | 8665 |

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# WEATHER CONDITIONS

70350 CAPE NEWENHAM AFS AK 73-82 DEC
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH REST TO VISION | TOTAL NO OF OB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | 00-02 | | 5.3 | .6 | 30.5 | | 34.5 | 18.3 | | 11.6 | | 27.4 | 605 |
| | 03-05 | | 5.7 | .4 | 31.5 | | 35.5 | 18.6 | | 13.8 | | 29.7 | 911 |
| | 06-08 | | 5.3 | 1.0 | 28.3 | | 33.2 | 19.5 | | 13.8 | | 31.7 | 911 |
| | 09-11 | | 5.1 | .7 | 26.2 | | 29.9 | 21.5 | | 9.3 | | 28.2 | 546 |
| | 12-14 | | 4.5 | .4 | 25.4 | | 28.6 | 20.8 | | 6.5 | | 26.7 | 913 |
| | 15-17 | | 5.6 | | 24.3 | | 28.7 | 21.8 | | 5.9 | | 28.9 | 798 |
| | 18-20 | | 5.6 | .2 | 29.2 | | 33.6 | 23.2 | | 11.3 | | 31.1 | 655 |
| | 21-23 | | 5.3 | .7 | 26.2 | | 31.4 | 20.2 | | 10.1 | | 27.0 | 675 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 5.3 | .5 | 27.7 | | 31.9 | 20.5 | | 11.3 | | 28.3 | 6584 |

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# WEATHER CONDITIONS

7 20N CAPE NEWENHAM AFS AK 73-82 ALL
STATION NUMBER STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HR | THUNDER & LTNG | 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. | TOTAL OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | ALL | | 7.7 | .4 | 19.5 | | 26.3 | 18.5 | | 10.6 | | 31.4 | 6756 |
| FEB | | | 5.1 | .2 | 19.4 | | 23.3 | 14.9 | .0 | 5.3 | | 21.6 | 6131 |
| MAR | | | 4.1 | .1 | 27.2 | | 31.1 | 23.5 | .1 | 11.4 | | 37.1 | 7155 |
| APR | | | 5.4 | .2 | 23.8 | | 28.6 | 23.5 | | 7.7 | | 27.6 | 6401 |
| MAY | | | 12.7 | .0 | 9.5 | | 21.3 | 17.1 | | 1.2 | | 17.6 | 6629 |
| JUN | | .0 | 22.2 | .0 | .4 | | 22.5 | 28.0 | | | | 28.1 | 6783 |
| JUL | | | 24.7 | | | | 24.7 | 31.1 | | | | 31.1 | 6759 |
| AUG | | | 29.9 | | | | 29.9 | 29.5 | | | | 29.5 | 6903 |
| SEP | | .0 | 20.7 | | .2 | .0 | 26.8 | 15.0 | .0 | | | 15.0 | 6542 |
| OCT | | | 20.9 | .0 | 7.9 | .1 | 27.5 | 14.5 | .0 | .3 | | 14.7 | 6579 |
| NOV | | | 13.5 | .3 | 23.2 | | 29.4 | 18.2 | .0 | 4.3 | .0 | 20.4 | 6665 |
| DEC | | | 5.3 | .5 | 27.7 | | 31.9 | 23.5 | | 10.3 | | 33.3 | 6668 |
| YEAR | | .0 | 14.6 | .1 | 12.9 | .0 | 26.8 | 21.2 | .0 | 4.5 | .0 | 24.2 | 79757 |

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# PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

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

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## xxWEATHER CONDITIONSx
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ATMOSPHERIC PHENOMENA

7 3750 CAPE NEWENHAM AFS AK (STATION NAME) 53-62 (YEARS) ALL (MONTH)

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

| | | THUNDER OR LIGHTNING | RAIN AND/OR DRIZZLE | FREEZING RAIN OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH FROST | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | WIND 25 KTS OR MORE | TOTAL OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | DAILY | | 29.8 | 3.6 | 61.9 | | 69.9 | 56.5 | | 31.0 | | 56.9 | 864 |
| FEB | | | 17.6 | 1.5 | 59.5 | .2 | 66.4 | 51.4 | .7 | 29.1 | | 47.7 | 693 |
| MAR | | | 10.7 | 2.2 | 65.7 | | 71.5 | 58.0 | .7 | 32.4 | | 45.7 | 899 |
| APR | | | 21.3 | 2.7 | 66.6 | .2 | 72.3 | 60.4 | .2 | 25.1 | | 38.1 | 864 |
| MAY | | .1 | 50.3 | .7 | 35.8 | | 73.2 | 57.1 | .1 | 3.9 | | 27.7 | 744 |
| JUN | | .1 | 60.9 | .1 | 4.6 | | 59.9 | 61.6 | | | | 21.1 | 778 |
| JUL | | .2 | 73.3 | | .1 | | 73.3 | 62.6 | .9 | | | 20.4 | 775 |
| AUG | | | 70.9 | | .1 | | 82.9 | 59.7 | .4 | | | 27.7 | 794 |
| SEP | | .3 | 52.8 | .1 | 3.7 | .5 | 83.7 | 46.6 | | | | 45.6 | 774 |
| OCT | | | 50.5 | .9 | 44.8 | 1.1 | 81.3 | 46.5 | .3 | 5.2 | | 41.1 | 791 |
| NOV | | | 40.8 | 2.4 | 63.4 | | 79.3 | 55.3 | .2 | 17.7 | | 59.9 | 866 |
| DEC | | | 23.7 | 3.4 | 68.4 | | 74.2 | 56.5 | | 33.1 | | 66.8 | 778 |
| TOTAL | | .1 | 47.3 | 1.5 | 39.5 | .2 | 74.5 | 56.3 | .3 | 14.8 | | 5.5 | 9612 |

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# PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

**Continued on Reverse Side**

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

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

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

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

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

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[illegible]TAC
[illegible]

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

[illegible] [illegible] STATION [illegible] STATION NAME [illegible] YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS INCHES | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NONE | TRACE | 0.01-0.24 | 0.25-0.49 | 0.50-0.74 | 0.75-0.99 | 1.00-1.24 | 1.25-1.49 | 1.50-1.99 | 2.00-2.49 | 2.50-2.99 | 3.00-3.49 | 3.50-3.99 | | | MEAN | GREATEST | LEAST |
| NOMINAL | NONE | TRACE | 0.01-0.24 | 0.25-0.49 | 0.50-0.74 | 0.75-0.99 | 1.00-1.24 | 1.25-1.49 | 1.50-1.99 | 2.00-2.49 | 2.50-2.99 | 3.00-3.49 | 3.50-3.99 | OVER 3.99 | | | | |
| SNOW FALL | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-72 | OVER 72 | | | | | |
| JAN | [illegible].1 | [illegible].4 | 4.7 | 13.5 | [illegible] | [illegible].9 | 4.[illegible] | [illegible].3 | .4 | | | | | [illegible].[illegible] | 756 | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| FEB | [illegible].7 | [illegible].1 | 6.1 | 12.6 | [illegible].7 | 6.8 | 3.[illegible] | 1.[illegible] | | | | | | 41.4 | 7[illegible] | 1.[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| MAR | [illegible].[illegible] | [illegible].7 | 7.4 | 19.9 | 7.6 | 7.[illegible] | 3.[illegible] | 1.5 | .7 | | | | | 47.[illegible] | 82 | 1.77 | [illegible].[illegible] | [illegible].[illegible] |
| APR | [illegible].[illegible] | [illegible].[illegible] | 7.3 | 17.1 | [illegible].[illegible] | 8.7 | 3.7 | 1.[illegible] | .4 | | | | | 47.[illegible] | 77[illegible] | 1.[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| MAY | [illegible].[illegible] | [illegible].[illegible] | 7.7 | 11.3 | [illegible].5 | 8.2 | 4.[illegible] | 2.3 | .[illegible] | | | | | 41.[illegible] | [illegible] | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| JUN | [illegible].[illegible] | [illegible].[illegible] | 5.6 | 1[illegible].2 | [illegible].1 | 9.1 | 6.[illegible] | 4.9 | 1.[illegible] | | | | | 43.[illegible] | 821 | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| JUL | [illegible].4 | [illegible].[illegible] | 5.[illegible] | [illegible].7 | 7.2 | 11.3 | 6.[illegible] | 6.7 | 3.[illegible] | | | | | 4[illegible].[illegible] | [illegible] | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| AUG | [illegible].1 | [illegible].[illegible] | 4.2 | 12.9 | [illegible].6 | [illegible].5 | [illegible].[illegible] | [illegible].4 | 4.[illegible] | .[illegible] | | | | 64.[illegible] | 8[illegible] | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| SEP | [illegible].1 | 13.1 | 5.[illegible] | 13.[illegible] | [illegible].3 | [illegible].[illegible] | [illegible].[illegible] | 7.6 | 3.[illegible] | | | | | 67.[illegible] | 784 | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| OCT | [illegible].1 | [illegible].4 | 5.3 | 13.4 | [illegible].9 | [illegible].[illegible] | [illegible].[illegible] | 7.[illegible] | 3.[illegible] | .[illegible] | | | | [illegible].4 | 867 | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| NOV | [illegible].4 | [illegible].[illegible] | 4.7 | 14.[illegible] | [illegible].4 | 14.6 | 7.[illegible] | 5.7 | 1.5 | | | | | 57.[illegible] | 794 | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| DEC | [illegible].4 | [illegible].9 | 5.1 | 14.7 | [illegible].1 | [illegible].[illegible] | 5.[illegible] | 1.[illegible] | .7 | | | | | 51.[illegible] | 823 | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible] |
| ANNUAL | [illegible].[illegible] | [illegible].5 | 5.5 | 13.5 | [illegible].1 | [illegible].[illegible] | 6.4 | 4.4 | 1.[illegible] | .[illegible] | | | | [illegible].3 | 9[illegible]14 | .35 | - | - |

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# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

| MONTH / YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

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# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION | STATION NAME | YEARS

| MONTH / YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | .14 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | .79 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | .16 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 1.14 | 1.14 | [illegible] | .63 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | | | [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | | | | [illegible] | [illegible] | [illegible] | [illegible] | | | | | | |
| [illegible] | | | [illegible] | [illegible] | [illegible] | [illegible] | .77 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | | | | |
| [illegible] | | | | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | .14 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | .17 | [illegible] | [illegible] | [illegible] | [illegible] | .74* | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | .72 | [illegible] | [illegible] | .62 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 77 | .34 | [illegible] | [illegible] | [illegible] | .64 | [illegible] | [illegible] | .37 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 7 | [illegible] | .17 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | .44 | [illegible] | [illegible] | .57 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 1.71 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 1.96 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | .19 | [illegible] | [illegible] | 1.25 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| MEAN | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| S D | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| TOTAL OBS | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

NOTE: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0 88 5 (OLA)

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

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

[illegible] CAPE NEWENHAM AFS AK — 53-62
STATION — STATION NAME — YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | MEAN | GREATEST | LEAST |
| PRECIP | NONE | TRACE | .01 .02 | .03 .05 | .06 .10 | .11 .25 | .26 .50 | .51 .75 | .76 1.00 | 1.01 1.50 | 1.51 2.00 | 2.01 2.50 | OVER 2.50 | | | | | |
| SNOWFALL | NONE | TRACE | 0.1 0.4 | 0.5 1.4 | 1.5 2.4 | 2.5 3.4 | 3.5 4.4 | 4.5 6.4 | 6.5 8.4 | 8.5 10.4 | 10.5 12.4 | 12.5 14.4 | OVER 14.4 | | | | | |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4 6 | 7 12 | 13 24 | 25 36 | 37 48 | 49 60 | 61 72 | OVER 72 | | | | | |
| JAN | [illegible] | 25.7 | 24.2 | 13.8 | 7.1 | 2.2 | 1.1 | .7 | .1 | .4 | | | | 3[illegible] | 774 | [illegible] | [illegible] | .4 |
| FEB | 26.9 | 25.5 | 16.3 | 14.7 | 3.7 | .7 | 1.[illegible] | .6 | .3 | | | | | 7[illegible] | 7[illegible] | [illegible] | [illegible] | .4 |
| MAR | [illegible] | 27.3 | 21.9 | 14.7 | 7.1 | .8 | .[illegible] | .8 | .4 | .3 | | | | 4[illegible] | 7[illegible] | [illegible] | [illegible] | [illegible] |
| APR | 31.9 | 26.[illegible] | 21.7 | 15.[illegible] | 5.2 | 1.5 | .[illegible] | .2 | .1 | | | | | 4[illegible] | 811 | [illegible] | [illegible] | [illegible] |
| MAY | 61.5 | 18.9 | 10.5 | 5.5 | 1.[illegible] | .7 | . | .2 | | | | | | 1[illegible] | 492 | . | [illegible] | [illegible] |
| JUN | 85.3 | 4.2 | .5 | | | | | | | | | | | .2 | 622 | [illegible] | .2 | .1 |
| JUL | 89.9 | .4 | | | | | | | | | | | | | 620 | TRACE | TRACE | .1 |
| AUG | 79.9 | .1 | | | | | | | | | | | | | 620 | TRACE | TRACE | .1 |
| SEP | 85.7 | 1.6 | .5 | .3 | | | | | | | | | | .[illegible] | 720 | .1 | 1.4 | .1 |
| OCT | 73.[illegible] | 18.[illegible] | 10.8 | 6.7 | 2.7 | 1.2 | .[illegible] | | | | | | | 21.3 | 856 | 5.5 | [illegible] | [illegible] |
| NOV | 34.5 | 24.[illegible] | 17.2 | 14.6 | 4.9 | 1.5 | 1.2 | .6 | | .1 | | | | 4[illegible] | 814 | 1[illegible] | 3[illegible] | TRACE |
| DEC | [illegible] | 25.1 | [illegible] | 15.5 | 5.2 | 2.1 | .[illegible] | 1.3 | | | | | | 44.5 | 871 | 11.4 | 27.2 | .7 |
| ANNUAL | 59.[illegible] | 17.3 | 11.1 | 8.5 | 3.2 | .9 | .6 | .4 | .1 | .1 | | | | 23.7 | [illegible]836 | 81.3 | - | - |

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# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

| MONTH / YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| S D | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| TOTAL OBS | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

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

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

| YEAR \ MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

USAF ETAC FORM JUL 84 0 88 5 (OLA)

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

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

[illegible] CAPE NEWENHAM AFS AK — 53-57 YEARS
STATION — STATION NAME

| PRECIP | NONE | TRACE | .01 .02 | .03 .05 | .06 .10 | .11 .25 | .26 .50 | .51 1.00 | 1.01 2.50 | 2.51 5.00 | 5.01 10.00 | 10.01 20.00 | OVER 20.00 | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) MEAN | GREATEST | LEAST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SNOWFALL | NONE | TRACE | .1 .4 | .5 .9 | 1.0 2.4 | 2.5 3.4 | 3.5 4.4 | 4.5 6.4 | 6.5 10.4 | 10.5 15.4 | 15.5 25.4 | 25.5 50.4 | OVER 50.4 | | | | | |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4 6 | 7 12 | 13 24 | 25 36 | 37 48 | 49 60 | 61 120 | OVER 120 | | | | | |
| JAN | 7.5 | 7.4 | 9.9 | 9.4 | 1 .. | 10.2 | 15.9 | 17.2 | .7 | 5.5 | | | | 65. | 856 | | | |
| FEB | 4.1 | 9.2 | 1.. | 9.2 | 6.3 | 14.3 | 23.1 | 12.4 | 4.5 | 1.7 | .1 | | | 86.7 | 824 | | | |
| MAR | 1.3 | 6.6 | 10.9 | 6.5 | 4.8 | 16.5 | 21.4 | 15.9 | 8.4 | 3.7 | .1 | | | 9 .1 | 876 | | | |
| APR | 5.. | 6.7 | 8.9 | 6.2 | 1.. | 14.6 | 19.3 | 14.7 | 12.5 | 7.1 | .2 | | | 95.3 | 864 | | | |
| MAY | 63.3 | 21.8 | 12.5 | 6.5 | 5.. | 11.6 | 6.7 | 6.. | 3.. | 1.9 | | | | 53.5 | 899 | | | |
| JUN | 72.7 | 25.3 | .5 | .5 | .1 | .4 | .1 | | | | | | | 1.. | 855 | | | |
| JUL | 97.5 | 1..5 | | | | | | | | | | | | | 899 | | | |
| AUG | 95.3 | 4.7 | | | | | | | | | | | | | 927 | | | |
| SEP | 98.9 | .3 | .9 | | | | | | | | | | | .9 | 9.. | | | |
| OCT | 85.. | 17.3 | 5.1 | 3.1 | 1.. | .6 | 1.. | .3 | | | | | | 13.7 | 929 | | | |
| NOV | 79.3 | 21.. | 15.4 | 11.2 | 7.8 | 7.1 | 5.2 | 2.. | .4 | | | | | 49.7 | 910 | | | |
| DEC | 5.4 | 1..1 | 10.4 | 13.6 | 13.2 | 16.. | 16.7 | 7.3 | 1.7 | 1.1 | | | | 79.4 | 924 | | | |
| ANNUAL | 82.2 | 1..2 | 7.2 | 6.5 | 5.2 | 6.3 | 8.9 | 6.3 | 2.3 | 1.5 | .1 | | | 45.5 | 11693 | | | |

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# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION | STATION NAME | YEARS

DAILY SNOW DEPTH IN INCHES

| YEAR \ MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | 49 | [illegible] | [illegible] | 33 | TRACE | | | | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 40 | [illegible] | | | | | | | |
| [illegible] | [illegible] | 27 | [illegible] | [illegible] | 24 | | | | | | | | |
| [illegible] | [illegible] | 7 | [illegible] | [illegible] | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | TRACE | | | | TRACE | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | TRACE | | | | TRACE | | | |
| [illegible] | [illegible] | [illegible] | | | [illegible] | TRACE | TRACE | | | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | TRACE | | | | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | TRACE | | | | | | | |
| [illegible] | [illegible] | 7 | [illegible] | [illegible] | [illegible] | | | | | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | | | | | | | |
| [illegible] | [illegible] | 23 | [illegible] | [illegible] | [illegible] | | | | | | | | |
| [illegible] | 7 | [illegible] | | [illegible] | [illegible] | | | | | | [illegible] | | |
| [illegible] | [illegible] | 4 | [illegible] | [illegible] | | | | | | | | | |
| [illegible] | [illegible] | 3 | [illegible] | [illegible] | [illegible] | | | | | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 17 | | | | | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | | | | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | TRACE | TRACE | | | | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] TRACE | | | | TRACE | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | | | | TRACE | TRACE | | |
| [illegible] | TRACE | [illegible] | [illegible] | [illegible] TRACE | | | | | | | | | |
| [illegible] | [illegible] | 17 | [illegible] | 47 | [illegible] TRACE | | | | | [illegible] TRACE | [illegible] | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | TRACE | TRACE | | | | | |
| 77 | [illegible] | 2 | [illegible] | 17 | [illegible] | TRACE | TRACE | | | | | | |
| 7 | [illegible] | [illegible] | [illegible] | [illegible] | TRACE | | | | | | | | |
| [illegible] | TRACE | [illegible] | | [illegible] | | | | | | TRACE | | | |
| [illegible] | [illegible] | 11 | [illegible] | [illegible] | [illegible] | TRACE | | | | | | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | | | | | | | | |
| [illegible] | [illegible] | 15 | | [illegible] | | | | | | | | | |
| MEAN | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | TRACE | TRACE | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| S D | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| TOTAL OBS | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

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# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION | STATION NAME | YEARS

| YEAR \ MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# PART C SURFACE WINDS

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

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

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

C

*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.

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

| YEAR \ MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

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...ETAC
...WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

... CAPE NEWENHAM AFS AK — STATION NAME — 73-82 — YEARS — JA... — MONTH

ALL WEATHER — CLASS — ...-... — HOURS L.S.T.

CONDITION

| SPEED (KNOTS) AND DIR | 1 - 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 | .9 | | | | | ...7 | 14.... |
| NNE | .7 | .4 | .8 | .6 | .1 | .1 | | | | | | 2.7 | 9.9 |
| NE | .4 | .2 | .6 | | | | | | | | | 1.2 | ...5 |
| ENE | .2 | | .6 | .2 | .2 | | | | | | | 1.2 | 1...6 |
| E | 1.4 | 1.2 | 1.2 | 4.1 | 2.... | 1.1 | .4 | .1 | | | | 11.4 | 13.3 |
| ESE | .9 | .... | 1.1 | 5.1 | 5.2 | 4.5 | 2.... | 1.1 | | | | 7....6 | 17.2 |
| SE | .5 | .... | .2 | 1.4 | 2.8 | 1.6 | 1.3 | .5 | | | | 8.5 | 16.9 |
| OSE | 1.1 | 1.4 | 1.3 | 2.4 | 2.1 | .... | .2 | | | | | 9.4 | 15.1 |
| S | .2 | .4 | 3.1 | 1.6 | 2.... | 1.1 | .1 | | | | | ....3 | 13.9 |
| SSW | | .1 | .6 | .7 | .1 | | | | | | | 1.... | 11.... |
| SW | | .2 | .1 | .7 | | | | | | | | ...1 | 10.7 |
| WSW | .2 | .1 | .7 | .4 | .1 | | | | | | | 1.5 | 9.2 |
| W | .2 | .1 | .5 | .6 | .1 | .1 | | | | | | 1.6 | 11.... |
| WNW | .1 | | .2 | .9 | .7 | | | | | | | 1.6 | 12.... |
| NW | .1 | .1 | .1 | .6 | | | | | | | | .9 | 9.... |
| NNW | .1 | | .4 | 1.3 | 1.1 | .7 | .1 | | | | | 5.7 | 16.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1....4 | |
| | 5.6 | 6.7 | ...2.7 | 2...3 | 17.... | 11.7 | 4.9 | 1.6 | | | | ...0.0 | ...3 |

TOTAL NUMBER OF OBSERVATIONS ...80

USAFETAC FORM ... PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — JAN MONTH

ALL WEATHER CLASS

[illegible] HOURS

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 | .7 | 1.0 | 2.4 | .4 | 2.1 | .7 | | | | | 7.8 | 15.7 |
| NNE | .2 | .7 | .9 | .5 | | .1 | .1 | | | | | 1.5 | 11.2 |
| NE | .2 | .5 | .2 | .1 | | | | | | | | 1.1 | 9.4 |
| ENE | 1.1 | .3 | .6 | | .1 | | | | | | | 2.1 | 9.3 |
| E | .8 | .7 | 2.4 | 4.6 | 2.0 | 1.0 | .1 | .3 | | | | 11.7 | 13.3 |
| ESE | .4 | .2 | 1.4 | 4.5 | 5.3 | 3.3 | 1.8 | .7 | | | | 18.4 | 14.4 |
| SE | .3 | .3 | .8 | 1.3 | 3.1 | 2.3 | .8 | .2 | | | | 11.1 | 12.8 |
| SSE | .7 | 1.2 | 1.7 | 2.6 | 2.3 | 1.2 | .2 | | | | | 9.9 | 14.1 |
| S | .1 | .5 | 2.3 | 2.1 | 1.4 | .3 | | | | | | 6.9 | 13.1 |
| SSW | .1 | .3 | .6 | .4 | .2 | .1 | | | | | | 1.9 | 11.2 |
| SW | | .3 | .2 | 1.0 | .1 | | | | | | | 1.6 | 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 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.5 | |
| | 4.7 | 7.2 | 13.9 | 23.2 | 16.2 | 12.4 | 3.9 | 1.4 | | | | 100.1 | 12.6 |

TOTAL NUMBER OF OBSERVATIONS 959

[illegible]

L PAL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

T 750 CAPE NEWENHAM AFS AK 73-80 JAN
STATION NUMBER STATION NAME YEARS 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 | 1.2 | 1.5 | .5 | | | | | 8.6 | 14.3 |
| NNE | .5 | .3 | .3 | | | .1 | .1 | | | | | 1.4 | 8.2 |
| NE | .1 | .2 | .1 | .4 | | | | | | | | .9 | 9.6 |
| ENE | .2 | .4 | .3 | .2 | | | | | | | | 1.2 | 8.5 |
| E | .4 | 1.2 | 2.4 | 2.5 | 1.5 | .2 | .1 | | | | | 8.8 | 12.6 |
| ESE | .5 | .3 | 1.1 | 4.2 | 5.0 | 3.7 | 2.5 | .7 | | | | 19.3 | 14.3 |
| SE | 1.2 | 1.1 | .7 | 2.1 | 3.5 | 3.1 | 1.3 | .1 | | | | 13.1 | 13.3 |
| SSE | 1.1 | 1.7 | 1.2 | 1.9 | 1.5 | 1.2 | .3 | .1 | | | | 9.8 | 12.8 |
| S | .4 | 1.2 | 1.0 | 2.7 | 1.5 | .7 | .1 | | | | | 7.4 | 13.5 |
| SSW | | .7 | .3 | .3 | .3 | .3 | | | | | | 2.0 | 12.8 |
| SW | | .2 | .8 | .9 | | | | | | | | 2.0 | 10.1 |
| WSW | | .2 | .2 | .3 | .1 | | | | | | | .9 | 10.6 |
| W | .1 | .2 | .2 | .5 | | | | | | | | 1.1 | 9.7 |
| WNW | | | .4 | .3 | | | | | | | | .8 | 10.9 |
| NW | | .2 | .2 | .2 | .7 | | | | | | | 1.7 | 12.5 |
| NNW | | 1.2 | .4 | 2.4 | .9 | 1.2 | | | | | | 6.1 | 13.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.2 | |
| | 5.2 | 9.5 | 12.1 | 21.9 | 17.2 | 12.3 | 5.2 | .9 | | | | 73.2 | 12.7 |

TOTAL NUMBER OF OBSERVATIONS 917

USAFETAC FORM [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-81 (YEARS) — JAN (MONTH)

ALL WEATHER (CLASS) — 0[illegible]-1100 (HOURS [illegible])

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 | 2.3 | 2.8 | 1.8 | 1.7 | .2 | | | | | 1[illegible].4 | 14.2 |
| NNE | .2 | .8 | .4 | .5 | .2 | .2 | | | | | | 2.4 | 11.2 |
| NE | .7 | .4 | .2 | .2 | | | | | | | | 1.[illegible] | 8.4 |
| ENE | .8 | .7 | .3 | .2 | | | | | | | | [illegible].[illegible] | 9.3 |
| E | .8 | 1.1 | 2.5 | 3.4 | 1.2 | .5 | | .1 | | | | 9.[illegible] | 11.8 |
| ESE | .1 | .7 | 1.6 | 4.9 | 4.6 | 3.3 | 1.4 | .9 | .1 | | | 17.[illegible] | 19.[illegible] |
| SE | .5 | 1.8 | 1.1 | 2.1 | 2.5 | 3.3 | 1.4 | .8 | | | | 13.7 | 16.2 |
| SSE | 1.1 | 1.3 | 1.3 | 2.0 | 2.8 | 1.2 | .7 | | | | | 9.7 | 15.[illegible] |
| S | .5 | .8 | 1.6 | 2.3 | 1.3 | .5 | .1 | | | | | 7.[illegible] | 13.[illegible] |
| SSW | | .[illegible] | .3 | .9 | .5 | | | | | | | [illegible].[illegible] | 12.9 |
| SW | .4 | .1 | .3 | .4 | | | | | | | | 1.[illegible] | 7.9 |
| WSW | | .[illegible] | .1 | .1 | .4 | | | | | | | .[illegible] | 10.5 |
| W | | .[illegible] | .4 | .2 | | | | | | | | .[illegible] | 7.4 |
| WNW | .1 | .3 | .3 | | .1 | | | | | | | .9 | 8.[illegible] |
| NW | | .1 | .1 | .7 | .4 | | | | | | | 1.3 | 14.2 |
| NNW | .2 | .4 | .9 | 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.[illegible] | 12.5 |

TOTAL NUMBER OF OBSERVATIONS [illegible]

2

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

# SURFACE WINDS

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

7 ... CAPE NEWENHAM AFS AK — 73-82 YEARS — JAN MONTH

ALL WEATHER CLASS — ... HOURS L.S.T.

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 | 1.0 | 1.2 | 2.1 | 2.9 | 1.2 | 2.7 | | | | | | 11.1 | 13. |
| NNE | .7 | .5 | .9 | .1 | .2 | | | | | | | 2.4 | 7. |
| NE | .3 | .4 | .4 | .1 | | | | | | | | 1.3 | 5.0 |
| ENE | .1 | .3 | .4 | .2 | | | | | | | | .1 | . |
| E | .4 | .9 | 2.1 | 3.3 | 2.2 | .4 | .1 | .2 | | | | 9.0 | 11.7 |
| ESE | .1 | .2 | 1.7 | 3.7 | 4.9 | 3.7 | 1.7 | .4 | .1 | | | 16.7 | 15.4 |
| SE | 1.7 | 1.7 | 1.1 | 1.9 | 1.9 | 2.5 | 1.3 | 1.2 | | | | 11.2 | 10.5 |
| SSE | .7 | 1.5 | 1.2 | 2.6 | 2.4 | 1.7 | .8 | | | | | 11.1 | 14.5 |
| S | .7 | .3 | 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 | .2 | .3 | .1 | | | | | | | 1.0 | 10.7 |
| WSW | | .2 | .4 | .1 | .2 | | | | | | | 1. | 11.9 |
| W | | .4 | .2 | | | | | | | | | .7 | 9.7 |
| WNW | .1 | .3 | .2 | | | | | | | | | .7 | 9.3 |
| NW | | .1 | .2 | .5 | .1 | | | | | | | 1. | 14.3 |
| NNW | | .2 | 1.2 | 1.3 | 1.0 | .5 | | | | | | 4.4 | 15.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.1 | |
| | 7.1 | 8.6 | 14.4 | 27.7 | 17.1 | 12.0 | 4.2 | 1.9 | .1 | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS 918

...SAFETAC FORM ...

GLOBAL CLIMATOLOGY BRANCH
USFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE LEWENHAM AFS AK | 73-82 YEARS | JAN MONTH

ALL WEATHER CLASS | 15 [illegible] HOURS (LST)

CONDITION

| DIRECTION (TENTHS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .7 | 1.1 | 2.1 | 2.9 | 1.9 | 1.1 | .6 | | | | | .4 | 12.3 |
| NNE | .5 | 1.1 | .7 | .5 | | | | | | | | .3 | 8.5 |
| NE | .4 | .5 | .7 | | | | | | | | | 1.3 | 8.3 |
| ENE | .6 | .6 | .1 | .2 | | | | | | | | 1.5 | 8.2 |
| E | .3 | .5 | 2.6 | 3.3 | 1.4 | .7 | .5 | .1 | | | | 9.9 | 14.3 |
| ESE | .2 | .6 | 1.5 | 3.9 | 3.7 | 4.4 | 1.2 | .9 | .1 | | | 16.4 | 15.4 |
| SE | .7 | .3 | .7 | 2.4 | 2.2 | 1.2 | 1.3 | 1.1 | | | | 9.2 | 15.2 |
| SSE | .5 | 2.2 | .7 | 2.3 | 1.3 | 1.1 | .4 | | | | | 8.4 | 13.1 |
| S | .4 | .1 | 1.3 | 3.9 | 2.6 | 1.5 | .4 | | | | | 10.1 | 12.2 |
| SSW | .3 | .2 | 1.1 | .6 | .7 | .5 | .1 | | | | | 3.5 | 11.9 |
| SW | .1 | .2 | .1 | .4 | .1 | | | | | | | 1.3 | 9.0 |
| WSW | | .4 | .2 | .1 | .4 | | | | | | | .1 | 10.4 |
| W | .4 | .2 | .4 | .4 | | | | | | | | 1.3 | 7.5 |
| WNW | .4 | .2 | .4 | .2 | | | | | | | | 1.3 | 7.8 |
| NW | | .2 | .1 | .4 | .1 | | | | | | | .9 | 10.4 |
| NNW | .6 | .1 | 1.2 | 1.3 | 1.0 | 1.3 | .1 | | | | | 5.5 | 13. |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.3 | |
| | 5.8 | 9. | 13.8 | 22.8 | 15.8 | 11.7 | 4.6 | 2.1 | .1 | | | 100.1 | 12.2 |

TOTAL NUMBER OF OBSERVATIONS 571

[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — STATION / STATION NAME

73-75,77-82 — YEARS

JAN — MONTH

ALL WEATHER — CLASS

[illegible]-[illegible] — HOURS (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 | .2 | .9 | 1.6 | 1.7 | 2.8 | 1.1 | .9 | .2 | | | | 9.4 | 15.6 |
| NNE | .5 | .5 | .8 | .3 | | | | | | | | 2.1 | 9.6 |
| NE | | 1.3 | .5 | | | | | | | | | 1.7 | 6.0 |
| ENE | .8 | .3 | .8 | .3 | | | | | | | | 2.2 | 5.9 |
| E | .5 | 1.3 | 4.2 | 4.2 | .8 | .5 | .3 | .2 | | | | 11.9 | 14.0 |
| ESE | .5 | .2 | 1.3 | 4.8 | 3.6 | 5.7 | 2.2 | .9 | | | | 19.5 | 14.3 |
| SE | .5 | .6 | .6 | 2.5 | 3.4 | 1.9 | .9 | .3 | .2 | | | 10.9 | 16.6 |
| SSE | .8 | 1.4 | 1.7 | 2.2 | 2.5 | .8 | .6 | | | | | 10.2 | 13.9 |
| S | | .7 | 2.2 | 3.6 | 2.2 | .3 | .2 | | | | | 9.1 | 13.7 |
| SSW | .2 | .2 | .9 | 1.6 | .6 | | | | | | | 3.4 | 12.3 |
| SW | .2 | | .5 | | | | | | | | | .9 | 6.6 |
| WSW | | | .2 | .3 | | | | | | | | .5 | 12.3 |
| W | .3 | .3 | .5 | .5 | | .2 | .2 | | | | | 1.9 | 11.4 |
| WNW | .2 | | | .2 | | | .2 | | | | | .5 | 15.3 |
| NW | | .2 | .3 | .5 | .2 | | | | | | | 1.3 | 12.1 |
| NNW | .2 | .3 | .6 | 1.1 | 1.1 | .2 | .3 | | | | | 3.8 | 15.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.7 | |
| | 4.5 | 9.3 | 16.4 | 27.8 | 17.0 | 10.2 | 5.5 | 1.6 | .2 | | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 94[illegible]

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-74,76-92 (YEARS) — JAN (MONTH)

ALL WEATHER (CLASS)

[illegible] (HOURS 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 | .3 | . | 1.0 | 2.6 | 1.9 | 1.3 | .3 | .2 | | | | 8.9 | 16.4 |
| NNE | .3 | 1.3 | 1.0 | .3 | .2 | | | | | | | 3.1 | 9.9 |
| NE | .5 | .3 | .2 | .7 | | | | | | | | 1.1 | 8.4 |
| ENE | .3 | .5 | .7 | .3 | .2 | | | | | | | 2.3 | 8.7 |
| E | .8 | .2 | 2.0 | 4.6 | 2.3 | .3 | .5 | | | | | 11.3 | 13.6 |
| ESE | | .3 | 2.1 | 6.4 | 4.9 | 5.7 | 1.6 | .3 | | | | 21.5 | 15.8 |
| SE | .5 | .3 | .7 | 1.6 | 2.0 | 2.3 | 1.0 | .3 | | | | 9.2 | 13.3 |
| SSE | .2 | 1.0 | 2.0 | 2.6 | 1.3 | 1.1 | .2 | | | | | 8.5 | 13.2 |
| S | .3 | 1.1 | 1.5 | 3.4 | 2.1 | .7 | | | | | | 8.7 | 12.1 |
| SSW | .2 | .5 | .5 | .7 | .2 | | | | | | | 2.3 | 9.2 |
| SW | .2 | .2 | .9 | .5 | | | | | | | | 1.9 | 8.5 |
| WSW | .1 | .2 | .5 | .3 | | | | | | | | 1.3 | 8.2 |
| W | | .1 | .5 | .3 | | | | | | | | 1.1 | 9.1 |
| WNW | | | | .5 | .2 | | | | | | | .7 | 15.3 |
| NW | | | .7 | .3 | .2 | | | | | | | 1.1 | 11.9 |
| NNW | .3 | .2 | .2 | .3 | .7 | .5 | .3 | | | | | 2.5 | 17.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.6 | |
| | .1 | .9 | 14.4 | 25.3 | 15.9 | 12.3 | 3.9 | .8 | | | | 173.3 | 14.7 |

TOTAL NUMBER OF OBSERVATIONS 629

[illegible]

...L CLIMATOLOGY BRANCH
...AFETAC
...ATHER GROUP/MAC

# SURFACE WINDS

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

...JAF ...ENHAM AFS AK — 73-82 YEARS — JAN MONTH

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

CONDITION

| DIR. FROM | 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | .9 | .6 | 2.7 | 1.4 | 1.7 | .5 | .2 | | | | 7.4 | 15.7 |
| NNE | .5 | .6 | .7 | .3 | .1 | .1 | .2 | | | | | 2.3 | 9.1 |
| NE | .7 | .5 | .4 | .1 | | | | | | | | 1.3 | 6.1 |
| ENE | .5 | .4 | .5 | .2 | .1 | | | | | | | 1.7 | 6.7 |
| E | .7 | .3 | 2.4 | 3.7 | 1.7 | .7 | .2 | .1 | | | | 10.5 | 13.2 |
| ESE | .4 | .5 | 1.5 | 4.6 | 4.8 | 4.2 | 1.3 | .8 | .1 | | | 18.5 | 17.3 |
| SE | .7 | .9 | .7 | 1.9 | 2.7 | 2.3 | 1.2 | .5 | .1 | | | 11.0 | 15.5 |
| SSE | .8 | 1.4 | 1.3 | 2.3 | 2.2 | 1.2 | .4 | .0 | | | | 9.3 | 13.6 |
| S | .3 | .6 | 1.2 | 2.8 | 1.9 | .8 | .1 | | | | | 8.2 | 14.1 |
| SSW | .2 | .3 | .6 | .7 | .4 | .2 | .2 | | | | | 2.2 | 12.4 |
| SW | .1 | .2 | .4 | .5 | .3 | | | | | | | 1.2 | 10.1 |
| WSW | .1 | .2 | .3 | .2 | .2 | | | | | | | 1.0 | 10.6 |
| W | .1 | .3 | .4 | .3 | .2 | .2 | .2 | | | | | 1.2 | 9.6 |
| WNW | .1 | .2 | .3 | .3 | .1 | .2 | .2 | | | | | .9 | 10.2 |
| NW | .2 | .2 | .3 | .4 | .2 | .2 | | | | | | 1.2 | 12.3 |
| NNW | .2 | .4 | .7 | 1.6 | .9 | .6 | .1 | | | | | 4.6 | 14.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 5.3 | 8.5 | 13.8 | 27.7 | 16.5 | 11.7 | 4.5 | 1.5 | .1 | | | 100.0 | 12.6 |

TOTAL NUMBER OF OBSERVATIONS 6583

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 3302 CAPE NEWENHAM AFS AK 73-82 FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-2300
CLASS HOURS (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 | .6 | 3.2 | 4.8 | 5.4 | 2.8 | 1.2 | .3 | | | | | 18.3 | 12.4 |
| NNE | .2 | 1.2 | 1.2 | .5 | | | | | | | | 5.1 | 6.3 |
| NE | .9 | .9 | | .1 | | | | | | | | 1.9 | 4.3 |
| ENE | .4 | .6 | | .3 | | | | | | | | 1.3 | 6.2 |
| E | .9 | 1.2 | 2.4 | 2.2 | 1.2 | .5 | .3 | | | | | 9.8 | 11.9 |
| ESE | .2 | .3 | 1.2 | 3.2 | 4.2 | 2.3 | .5 | .1 | | | | 12.0 | 16.2 |
| SE | .1 | .5 | .4 | 1.8 | 2.8 | 2.2 | 1.2 | .4 | | | | 9.9 | 20.4 |
| SSE | .6 | 1.2 | .8 | 1.9 | 1.2 | 1.2 | .3 | | | | | 7.5 | 14.4 |
| S | .4 | 1.2 | .6 | 2.1 | 1.2 | .4 | | | | | | 5.6 | 13.2 |
| SSW | | .4 | .2 | .2 | | | | | | | | .9 | 8.7 |
| SW | | | .5 | .3 | | | | | | | | .8 | 10.2 |
| WSW | | | .2 | | | | | | | | | .5 | 5.5 |
| W | | .2 | .6 | | | | | | | | | .9 | 7.1 |
| WNW | | .2 | .6 | .6 | | | | | | | | 1.5 | 11.1 |
| NW | .4 | .1 | .1 | .8 | .5 | .1 | | | | | | 2.1 | 12.3 |
| NNW | .4 | .4 | 1.2 | 1.2 | 1.4 | .9 | | | | | | 5.4 | 14.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 5.9 | 12.7 | 15.3 | 27.4 | 16.8 | 9.3 | 3.0 | .5 | | | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 778

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 000 CAPE NEWENHAM AFS AK 73-82 FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 0300-0900
CLASS HOURS (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 | .2 | 3.1 | 4.3 | 5.2 | 3.1 | 1.1 | .5 | | | | | 17.3 | 12.5 |
| NNE | .7 | 1.3 | 1.8 | .7 | .2 | | | | | | | 4.4 | 8.1 |
| NE | .1 | .7 | .5 | | | | | | | | | 1.3 | 5.9 |
| ENE | .6 | .7 | .4 | .1 | | | | | | | | 1.8 | 6.3 |
| E | .6 | 1.3 | 1.4 | 2.3 | 1.2 | .7 | .1 | .2 | | | | 7.4 | 12.2 |
| ESE | .2 | .2 | 1.2 | 4.1 | 2.3 | 2.7 | 1.9 | .1 | | | | 12.3 | 15.6 |
| SE | .3 | .5 | .5 | 1.9 | 2.4 | 3.2 | 1.3 | .1 | | | | 9.9 | 14.8 |
| SSE | .6 | .3 | .6 | 1.6 | 2.2 | 1.2 | .2 | | | | | 7.2 | 12.5 |
| S | .2 | .3 | 1.2 | 2.6 | 1.6 | .2 | | | | | | 6.7 | 12.2 |
| SSW | .2 | .4 | .6 | .2 | | | | | | | | 1.4 | 7.5 |
| SW | .2 | .1 | .5 | .1 | | | | | | | | 1.0 | 7.1 |
| WSW | .1 | .2 | .2 | | | | | | | | | .5 | 5.6 |
| W | | .2 | .1 | .4 | | | | | | | | .7 | 9.2 |
| WNW | .2 | .1 | .4 | .6 | .1 | | | | | | | 1.4 | 10.0 |
| NW | | | .6 | .4 | .1 | .1 | | | | | | 1.2 | 13.1 |
| NNW | .5 | .2 | .8 | 1.6 | 1.5 | 1.0 | | | | | | 5.6 | 14.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.1 | |
| | 4.8 | 11.2 | 15.1 | 21.6 | 14.5 | 11.3 | 4.2 | .5 | | | | 100.2 | 11.5 |

TOTAL NUMBER OF OBSERVATIONS 432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 0350 — STATION
CAPE NEWENHAM AFS AK — STATION NAME
73-82 — YEARS
FEB — MONTH
ALL WEATHER — CLASS
0600-1800 — HOURS (L.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 | .4 | 2.3 | 3.6 | 4.6 | 2.9 | 2.5 | .4 | | | | | 16.6 | 13.9 |
| NNE | .2 | 1.6 | 1.4 | 1.1 | | | | | | | | 4.3 | 8.2 |
| NE | .6 | 1.3 | .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 | | | | | | 9.1 | 11.1 |
| ESE | .5 | .6 | 1.1 | 3.2 | 3.1 | 3.6 | 1.9 | .5 | | | | 14.5 | 17.3 |
| SE | .5 | 1.1 | .8 | 1.4 | 1.8 | 2.5 | 1.2 | .4 | | | | 9.7 | 18.4 |
| SSE | .2 | 1.4 | .8 | 1.8 | 1.2 | .7 | .4 | | | | | 6.6 | 14. |
| S | .4 | 1.7 | 1.9 | 3.4 | .6 | .5 | | .2 | | | | 7.2 | 12.5 |
| SSW | .1 | | .5 | .2 | .1 | | | | | | | 1. | 9.5 |
| SW | | | .4 | .1 | | | | | | | | .5 | 10.8 |
| WSW | .1 | .1 | .2 | .4 | | | | | | | | .8 | 9.1 |
| W | | .5 | .6 | .2 | | | | | | | | 1.3 | 7.5 |
| WNW | .1 | | .5 | .8 | .1 | | | | | | | 1.6 | 14.9 |
| NW | .1 | .6 | | .5 | .1 | .1 | | | | | | 1.4 | 10.2 |
| NNW | .2 | .5 | 1.1 | 1.6 | 1.6 | .6 | .2 | | | | | 5.8 | 14.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.5 | |
| | 4.0 | 13.1 | 16.7 | 22.8 | 12.5 | 11.2 | 4.1 | 1.1 | | | | 100.0 | 12.0 |

TOTAL NUMBER OF OBSERVATIONS 933

USAFETAC FORM [illegible] PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — FEB (MONTH)

ALL WEATHER (CLASS) — [illegible]-[illegible] (HOURS 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 | .6 | 2.1 | 3.[illegible] | 5.2 | 2.6 | 1.[illegible] | .[illegible] | | | | | [illegible].[illegible] | 1[illegible].4 |
| NNE | .5 | .6 | 1.[illegible] | .2 | .1 | | | | | | | 2.[illegible] | 7.[illegible] |
| NE | 1.1 | .7 | .1 | .4 | .1 | | | | | | | 2.4 | [illegible].[illegible] |
| ENE | 1.3 | .6 | .2 | .7 | .1 | | | | | | | [illegible].[illegible] | [illegible].[illegible] |
| E | 1.[illegible] | 1.8 | 2.7 | [illegible].[illegible] | .8 | .1 | .2 | | | | | [illegible].7 | 1[illegible].[illegible] |
| ESE | .6 | 1.[illegible] | 1.[illegible] | [illegible].6 | 2.4 | [illegible].[illegible] | 2.4 | .4 | | | | 1[illegible].[illegible] | 1[illegible].7 |
| SE | .7 | 1.4 | .4 | 1.5 | 3.1 | 2.[illegible] | 1.4 | .2 | .2 | | | 11.1 | 1[illegible].4 |
| SSE | .4 | 1.2 | .7 | 1.5 | 1.[illegible] | 1.[illegible] | .5 | .1 | | | | [illegible].[illegible] | 1[illegible].4 |
| S | .2 | .6 | 1.5 | 1.7 | 1.[illegible] | .4 | | | | | | [illegible].4 | 1[illegible].4 |
| SSW | | | .6 | .4 | .1 | | | | | | | [illegible].1 | 11.[illegible] |
| SW | | | | .2 | | | | | | | | .[illegible] | 14.5 |
| WSW | | | .1 | .1 | | | | | | | | .2 | 12.[illegible] |
| W | .4 | .[illegible] | .4 | .7 | | | | | | | | 1.[illegible] | [illegible].6 |
| WNW | .2 | .2 | .4 | .7 | | | | | | | | 1.5 | 9.5 |
| NW | | .1 | .[illegible] | .4 | .1 | | | | | | | 1.1 | 1[illegible].[illegible] |
| NNW | .2 | 1.1 | .6 | 2.[illegible] | 1.[illegible] | 1.[illegible] | | | | | | 6.[illegible] | 14.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.[illegible] | |
| | [illegible].3 | 11.[illegible] | 13.[illegible] | 27.4 | 14.3 | 6.[illegible] | 5.2 | .7 | .2 | | | 1[illegible].[illegible] | 11.[illegible] |

TOTAL NUMBER OF OBSERVATIONS 639

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 3350 CAPE NEWENHAM AFS AK 73-82 FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 1 [illegible]-14[illegible]
CLASS HOURS (L.S.T.)

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 | 1.3 | 2.9 | 3.6 | 5.[illegible] | 3.7 | 1.9 | .5 | | | | | [illegible].4 | [illegible].[illegible] |
| NNE | .8 | .4 | 1.0 | .5 | .2 | | | | | | | 2.9 | 7.8 |
| NE | .5 | .4 | .4 | .2 | .1 | | | | | | | 1.5 | 7.4 |
| ENE | 1.[illegible] | .6 | .4 | .7 | .1 | | | | | | | 3.7 | 7.1 |
| E | .8 | 1.9 | 1.5 | 3.[illegible] | .8 | .2 | .1 | .1 | | | | 8.1 | 11.3 |
| ESE | .4 | .4 | 2.0 | 3.8 | 3.0 | 1.3 | 1.7 | .2 | | | | 14.4 | 15.2 |
| SE | .6 | .9 | .7 | 1.8 | 1.1 | 1.7 | 1.2 | .2 | .2 | | | 7.9 | 13.1 |
| SSE | .5 | 1.1 | 1.0 | 1.9 | 1.7 | .9 | .5 | .4 | .1 | | | 7.9 | 12.[illegible] |
| S | .4 | .7 | 1.4 | 2.7 | 1.5 | .5 | | | | | | 7.3 | 12.4 |
| SSW | | | .1 | .4 | | | | | | | | .5 | 15.5 |
| SW | .1 | | | .2 | | | | | | | | .4 | [illegible].7 |
| WSW | | | .1 | .4 | .1 | | | | | | | .5 | 1[illegible].6 |
| W | .1 | .4 | .7 | .5 | | | | | | | | 1.7 | 9.[illegible] |
| WNW | | .4 | .4 | .2 | | | | | | | | 1.[illegible] | [illegible].9 |
| NW | .1 | .1 | .4 | .7 | .4 | | | | | | | 1.7 | 12.[illegible] |
| NNW | .1 | 1.3 | .5 | 2.0 | 2.0 | 1.0 | | | | | | 6.[illegible] | 14.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.3 | |
| | 6.0 | 10.6 | 14.1 | 24.1 | 18.8 | 8.9 | 3.9 | 1.0 | .4 | | | [illegible]3.[illegible] | 11.6 |

TOTAL NUMBER OF OBSERVATIONS [illegible]79

2

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

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — FEB (MONTH)

ALL WEATHER (CLASS) — 1800-1700 (HOURS LST)

CONDITION

| DIR \ SPEED (KNOTS) | 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.? | .4 | | | | | 18.7 | 13.7 |
| NNE | .7 | .7 | .6 | .2 | .1 | | | | | | | 2.3 | 7.1 |
| NE | .6 | .1 | .1 | .2 | | | | | | | | 1.1 | 6.1 |
| ENE | .2 | .5 | .4 | .4 | | .1 | | | | | | 1.7 | 9.4 |
| 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.? | .4 | .2 | | | 8.1 | 19.2 |
| SSE | .5 | .5 | 1.2 | 2.2 | 1.7 | 1.5 | .6 | | | | | 7.3 | 15.5 |
| S | .5 | .7 | 1.2 | 2.? | 1.? | .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 | .4 | | | | | | | | .9 | 9.9 |
| W | .1 | .1 | .5 | .7 | | | | | | | | 1.5 | 13.7 |
| WNW | | | .? | .4 | | | | | | | | .9 | 12.7 |
| NW | .1 | .2 | .5 | .7 | .1 | .1 | | | | | | 1.9 | 11.1 |
| NNW | .5 | .? | .2 | 2.7 | 2.1 | 1.? | | | | | | 7.4 | 14.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.7 | |
| # | | | | | | | | | | | | | |
| | 5.6 | 8.8 | 14.3 | 25.8 | 14.? | 13.7 | 3.? | .6 | .5 | | | 123.3 | 12.? |

TOTAL NUMBER OF OBSERVATIONS 926

USAFETAC FORM [illegible] [illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 3 5 3 | CAPE NENENHAM AFS AK | 73-82 YEARS | FEB MONTH

ALL WEATHER CLASS | 1200-1800 HOURS L.S.T.

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 | 2.1 | 5.7 | 6.2 | 2.5 | 1.9 | | | | | | 19.0 | 13.2 |
| NNE | .2 | 1.4 | 1.4 | .5 | | | | | | | | 3.5 | 7.7 |
| NE | .6 | .6 | .3 | | | | | | | | | 1.6 | 4.3 |
| ENE | .2 | .5 | .3 | .3 | | .2 | | | | | | 1.5 | 8.5 |
| E | .8 | 1.4 | 1.6 | 2.7 | .9 | .3 | .2 | | | | | 7.9 | 11.9 |
| 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 | | | | | 5.9 | 13.9 |
| SSW | | | .6 | .8 | .2 | | | | | | | 1.6 | 11.9 |
| SW | | | .6 | .2 | .2 | | | | | | | .9 | 11.2 |
| WSW | | | | .2 | | | | | | | | .2 | 14.0 |
| W | | | .3 | .8 | .2 | | | | | | | 1.3 | 12.0 |
| WNW | .2 | .2 | | .5 | | | | | | | | .9 | 9.2 |
| NW | | .5 | | .5 | .3 | | | | | | | 1.3 | 11.5 |
| NNW | .2 | .7 | .5 | 2.1 | 1.9 | .3 | .2 | | | | | 5.4 | 14.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.7 | |
| | 5.5 | 9.6 | 16.6 | 25.7 | 13.6 | 10.1 | 1.9 | .2 | .2 | | | 100.0 | 11.3 |

TOTAL NUMBER OF OBSERVATIONS 634

USAFETAC FORM [illegible] PREVIOUS EDITIONS OBSOLETE AND WILL NOT BE USED

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7,3050 STATION — CAPE NEWENHAM AFS AK STATION NAME — 75-82 YEARS — FEB MONTH

ALL WEATHER CLASS — 2100-2300 HOURS L.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 | .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 | 7.9 |
| NE | .7 | .2 | | | | | | | | | | .9 | [illegible] |
| ENE | .7 | .4 | .5 | .4 | | | | | | | | 1.9 | [illegible] |
| E | .9 | .9 | 1.8 | 2.5 | 1.6 | .7 | .5 | | | | | 8.8 | 12.3 |
| ESE | .5 | .4 | 1.1 | 4.4 | 3.9 | 3.2 | .7 | .2 | | | | 13.7 | 18.[illegible] |
| SE | .4 | 1.2 | .5 | 1.6 | 2.3 | .7 | 1.1 | .2 | | | | 7.9 | 16.5 |
| SSE | .7 | 1.1 | 1.2 | 2.5 | 1.8 | .5 | .4 | | | | | 8.1 | 13.3 |
| S | .4 | .9 | 1.9 | 3.2 | 1.2 | .7 | | | | | | 8.3 | 12.5 |
| SSW | | .2 | | .2 | | | | | | | | .4 | 11.2 |
| SW | .2 | | | .4 | | | | | | | | .5 | 10.7 |
| WSW | | .2 | | | | | | | | | | .2 | 8.0 |
| W | | | | .5 | | | | | | | | .5 | 10.7 |
| WNW | | | | .4 | | | | | | | | .4 | 12.5 |
| NW | .2 | | | 1.2 | .2 | | | | | | | 1.6 | 12.7 |
| NNW | .2 | .4 | .7 | 1.4 | .7 | .5 | | | | | | 3.9 | 13.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.7 | |
| | 6.0 | 8.6 | 13.5 | 26.5 | 14.8 | 7.7 | 2.8 | .4 | | | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 559

USAFETAC FORM [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK (STATION NAME) 73-82 (YEARS) [illegible] (MONTH)

ALL WEATHER (CLASS) ALL (HOURS LST)

(CONDITION)

| | 1 - 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.[illegible] | 4.0 | 5.7 | 3.1 | 1.7 | .4 | | | | | [illegible] | 10.2 |
| NNE | .7 | 2.[illegible] | 1.4 | .6 | .1 | | | | | | | 3.7 | 7.[illegible] |
| NE | .6 | .6 | .2 | .1 | .0 | | | | | | | 1.5 | [illegible] |
| ENE | .6 | .7 | .3 | .5 | .[illegible] | .[illegible] | | | | | | 2.1 | 7.[illegible] |
| E | .7 | 1.5 | 2.2 | 2.8 | 1.1 | .5 | .2 | .[illegible] | | | | 9.9 | 11.9 |
| ESE | .4 | .4 | 1.5 | 3.7 | 3.[illegible] | 3.1 | 1.4 | .[illegible] | .[illegible] | | | 13.7 | 13.3 |
| SE | .5 | .3 | .6 | 1.8 | 2.[illegible] | 2.[illegible] | 1.2 | .3 | .1 | | | 9.3 | 10.6 |
| SSE | .5 | 1.[illegible] | .9 | 1.9 | 1.8 | 1.1 | .4 | .1 | .[illegible] | | | 7.6 | 10.[illegible] |
| S | .4 | .[illegible] | 1.4 | 2.4 | 1.2 | .5 | .[illegible] | .[illegible] | | | | [illegible] | 10.[illegible] |
| SSW | .[illegible] | .1 | .4 | .3 | .1 | | | | | | | .9 | 12.2 |
| SW | .1 | .[illegible] | .3 | .2 | .[illegible] | .[illegible] | | | | | | .8 | 10.3 |
| WSW | .[illegible] | .1 | .2 | .2 | .[illegible] | | | | | | | .5 | 9.7 |
| W | .1 | .3 | .4 | .5 | .[illegible] | | | | | | | 1.3 | [illegible].4 |
| WNW | .1 | .1 | .4 | .5 | .[illegible] | | | | | | | 1.2 | 1.[illegible].3 |
| NW | .1 | .2 | .3 | .6 | .2 | .1 | | | | | | 1.5 | 11.6 |
| NNW | .3 | .[illegible] | .7 | 1.8 | 1.7 | .[illegible] | .[illegible] | | | | | 6.3 | 14.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.4 | |
| | 6.6 | 11.[illegible] | 14.9 | 23.6 | 18.4 | 9.8 | 3.6 | .6 | .2 | | | [illegible]3.0 | 11.7 |

TOTAL NUMBER OF OBSERVATIONS [illegible]5132

(REMARKS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — MAR MONTH

ALL WEATHER CLASS — [illegible] 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 | .7 | 1.5 | 2.4 | 3.2 | 1.4 | .3 | | | | | | 9.5 | 11.3 |
| NNE | .2 | .9 | .5 | .1 | | .1 | | | | | | 1.8 | 7.1 |
| NE | .3 | .2 | .6 | .5 | | | | | | | | 1.6 | 7.6 |
| ENE | .1 | .9 | .2 | | | | | | | | | 1.3 | 5.7 |
| E | 1.4 | 1.3 | 2.3 | 3.2 | .9 | .5 | | .3 | | | | 10.7 | 11.4 |
| ESE | .1 | .6 | 1.7 | 4.4 | 2.9 | 2.6 | 1.1 | .7 | | | | 13.5 | 17.5 |
| SE | .5 | .6 | 1.1 | 1.9 | 1.3 | 1.1 | 1.5 | .6 | | | | 8.4 | 15.9 |
| SSE | .9 | 2.1 | 1.9 | 2.2 | 1.1 | 1.1 | .5 | .2 | .1 | | | 9.1 | 13.6 |
| S | .1 | .6 | 4.1 | 4.2 | 1.3 | .7 | | | | | | 11. | 12.6 |
| SSW | .7 | .2 | 1.6 | 1.5 | .7 | .1 | | | | | | 4.5 | 11.3 |
| SW | .3 | .5 | .5 | 1.4 | .1 | | | | | | | 2.7 | 9.6 |
| WSW | | .1 | .5 | .5 | .2 | .1 | | | | | | 1.4 | 12.3 |
| W | .3 | .3 | .6 | .2 | .5 | .3 | | | | | | 2.4 | 11.2 |
| WNW | | .7 | .6 | .6 | .1 | .1 | | | | | | 2.1 | 9.6 |
| NW | .1 | .2 | .6 | .8 | .1 | | | | | | | 1.8 | 11.6 |
| NNW | .1 | .3 | 1.5 | 2.2 | 1.9 | .3 | | | | | | 6.4 | 14.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.6 | |
| | 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 595

USAFETAC [illegible] [illegible]

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — MAR (MONTH)

ALL WEATHER (CLASS) — 300- 02 (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 | .3 | 1.7 | 3.2 | 2.2 | 2.4 | .4 | | | | | | 1 .1 | 11.9 |
| NNE | .2 | .4 | .8 | .7 | | .1 | .1 | | | | | 2.1 | 7.9 |
| NE | .1 | .4 | .2 | | | | | | | | | .8 | 5.6 |
| ENE | .3 | 1.1 | .8 | .2 | | | | | | | | 2.4 | 6.4 |
| E | .5 | 1.2 | 3.4 | 3.2 | 1.3 | .5 | | | | | | 10.1 | 11.6 |
| ESE | .3 | .6 | 1.3 | 3.1 | 3.2 | 2.7 | 1.7 | .3 | | | | 13.1 | 17.9 |
| SE | .5 | .3 | .5 | 1.2 | 1.7 | 1.2 | .5 | .7 | | | | 7.5 | 18.9 |
| SSE | .4 | .8 | 1.9 | 2.2 | 1.7 | .8 | .1 | .1 | | | | 8.2 | 15.9 |
| S | .3 | 1.0 | 4.5 | 3.7 | 2.1 | .5 | .1 | | | | | 12.2 | 12.3 |
| SSW | .2 | .5 | 1.4 | 1.6 | .3 | | | | | | | 4.1 | 10.4 |
| SW | .1 | .2 | .4 | .9 | .4 | .1 | | | | | | 2.2 | 12.5 |
| WSW | .2 | | .3 | .4 | .2 | .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 | 10.4 |
| NNW | .2 | .4 | 1.4 | 1.5 | 1.3 | .3 | | | | | | 5.2 | 13.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.3 | |
| | 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

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

CAPE NEWENHAM AFS AK — 73-82 (YEARS) — MAR (MONTH)

ALL WEATHER (CLASS)

(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 | | | | | 10.3 | 11.2 |
| NNE | .4 | .5 | .5 | .1 | .1 | | | | | | | 1.7 | 9.5 |
| NE | .4 | .3 | .1 | .1 | | | | | | | | 1.0 | 4.9 |
| ENE | .4 | .7 | .9 | .2 | .1 | | | | | | | 2.3 | 7.4 |
| E | .8 | 1.3 | 3.2 | 3.0 | 1.4 | .5 | | | | | | 10.2 | 11.5 |
| ESE | .4 | .4 | 1.6 | 3.7 | 3.4 | 1.6 | 1.3 | .4 | .1 | | | 16.1 | 17.7 |
| SE | .2 | .8 | 1.3 | 1.3 | 2.[illegible] | 1.6 | .8 | .7 | .1 | | | 8.7 | 15.8 |
| SSE | .4 | 1.5 | 2.5 | 2.7 | 2.6 | 1.[illegible] | .3 | .1 | | | | 11.2 | 13.6 |
| S | .5 | 1.[illegible] | 2.8 | 2.7 | 2.6 | .[illegible] | .1 | | | | | 10.7 | 12.3 |
| SSW | | .3 | .9 | 1.[illegible] | .1 | | | | | | | 2.3 | 10.3 |
| SW | | .5 | .7 | .4 | .1 | | | | | | | 1.7 | 9.5 |
| WSW | | .[illegible] | .3 | .7 | .2 | .2 | | | | | | 2.3 | 11.8 |
| W | | .[illegible] | .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.[illegible] | 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 | | | 100.0 | 11.5 |

TOTAL NUMBER OF OBSERVATIONS 919

USAFETAC FORM [illegible] OCT 64 [illegible] PREVIOUS FORMS ARE [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 — MAR

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 0[illegible]-1[illegible]

CLASS — HOURS (L.S.T.)

CONDITION

| DIRECTION (TENTHS OF DEGREES) | 1 - 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 | 1.0 | .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 | | | | | 10.3 | 12.5 |
| ESE | .2 | .4 | 1.1 | 2.9 | 3.5 | 1.8 | 1.3 | .5 | .2 | .1 | | 12.1 | 19.7 |
| SE | 1.6 | .3 | 1.5 | 1.9 | 1.6 | 1.5 | .8 | .4 | | | | 9.3 | 16.5 |
| SSE | .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 | 10.6 |
| SW | | .1 | .6 | .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 | 10.0 |
| WNW | | .5 | .5 | 1.3 | | .1 | | | | | | 2.5 | 10.5 |
| NW | .1 | .1 | .4 | .5 | .3 | .1 | | | | | | 2.0 | 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 | 3.0 | 1.1 | .2 | .1 | | 100.0 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS 927

GL BAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — MAR MONTH

ALL WEATHER CLASS — [illegible]-[illegible] HOURS LST

CONDITION

| KTS DIR | 1 - 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 | 3.3 | 3.6 | 1.5 | .5 | | | | | | 11.9 | 1[illegible].6 |
| NNE | .2 | .6 | .4 | .5 | | | | | | | | 1.8 | 6.8 |
| NE | .6 | .4 | .2 | .2 | | | | | | | | 1.5 | [illegible].5 |
| ENE | .4 | .6 | .4 | .6 | .2 | | | | | | | 2.4 | [illegible].3 |
| E | .2 | .5 | 2.8 | 4.4 | 1.2 | .3 | .4 | .1 | | | | 9.3 | 1[illegible].5 |
| ESE | .3 | .4 | 1.4 | 4.1 | 2.6 | 1.7 | 1.4 | 1.[illegible] | | | | 12.9 | 1[illegible].6 |
| SE | .1 | .4 | 1.1 | 2.3 | 1.7 | 1.[illegible] | 1.3 | .3 | | | | 8.5 | 1[illegible].7 |
| SSE | .2 | 1.[illegible] | .9 | 3.3 | 1.5 | 1.1 | .3 | .1 | | | | 8.4 | 1[illegible].2 |
| S | .4 | 1.[illegible] | 3.1 | 3.6 | 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 | | | | | | | | 2.8 | [illegible].2 |
| WSW | | .4 | .4 | .1 | .2 | .1 | .1 | .1 | | | | 1.5 | 13.9 |
| W | .2 | .6 | .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 | .2 | | | | | | | 2.7 | 9.9 |
| NNW | .5 | .9 | 1.9 | 2.9 | 1.9 | .1 | | | | | | 8.3 | 12.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.9 | |
| | 5.1 | 11.3 | 18.4 | 29.0 | 13.5 | 5.9 | 3.8 | 1.6 | | | | 170.3 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS 699

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — MAR MONTH

ALL WEATHER CLASS — 1500-1700 HOURS L.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 | .4 | 1.8 | 2.4 | 5.7 | 1.1 | .6 | | | | | | 12.0 | 11.7 |
| NNE | .5 | .3 | 1.0 | .2 | | | | | | | | 2.0 | 6.7 |
| NE | .2 | .2 | .3 | .1 | | | | | | | | .8 | 7.1 |
| ENE | .2 | .1 | .3 | .3 | .1 | | | | | | | 1.1 | 9.6 |
| E | .5 | 1.1 | 1.9 | 3.2 | 1.4 | .5 | .2 | .1 | | | | 9.1 | 12.3 |
| 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 | | | | 9.2 | 14.2 |
| 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 | | | | | 11.1 | 13.1 |
| SSW | | .4 | .8 | .5 | .3 | | | | | | | 2.1 | 10.6 |
| SW | .1 | .6 | .9 | .1 | .2 | | | | | | | 1.9 | 8.6 |
| WSW | .1 | .7 | .4 | .4 | .2 | | .1 | | | | | 1.9 | 11.7 |
| W | .3 | .3 | 1.2 | .6 | | | .2 | | | | | 3.1 | 9.3 |
| WNW | .2 | .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 | | | | 100.0 | 12.2 |

TOTAL NUMBER OF OBSERVATIONS 927

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 0361 CAPE NEWENHAM AFS AK 73-82 MAR
STATION STATION NAME YEARS MONTH

ALL WEATHER 1[illegible]-[illegible]
CLASS HOURS L.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 | .4 | 1.1 | 3.4 | 4.4 | 1.7 | .5 | | | | | | 11.7 | 11.7 |
| NNE | | .7 | .9 | .6 | .1 | | | | | | | 2.3 | 8.1 |
| NE | .7 | .2 | .4 | | | | | | | | | 1.3 | 4.6 |
| ENE | .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 | 16.5 |
| SE | .7 | .7 | .9 | 1.3 | 1.8 | 1.8 | 1.3 | .1 | | | | 8.4 | 16.9 |
| SSE | .2 | 1.0 | 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 | 11.3 |
| SW | | .1 | .7 | .2 | .1 | | | | | | | 1.2 | 10.3 |
| 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 | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.7 | |
| | 5.6 | 12.5 | 19.1 | 27.7 | 13.7 | 7.8 | 4.7 | .5 | | | | 100.0 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS 822

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 5 55 — STATION NO. — CAPE NEWENHAM AFS AK — STATION NAME — 73-82 — YEARS — MAR — MONTH

ALL WEATHER — CLASS — 1300-2300 — 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 | .7 | 1.1 | 3.2 | 3.5 | 1.2 | .3 | | | | | | 10.0 | 11.5 |
| NNE | | .9 | .8 | .9 | | | | | | | | 2.7 | 6.7 |
| 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 | .9 | .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 | .8 | 1.3 | 1.9 | 2.2 | 2.3 | 1.5 | 1.1 | .3 | | | | 11.3 | 15.4 |
| S | .5 | .9 | 3.1 | 4.5 | 1.1 | .4 | .1 | | | | | 10.7 | 12.2 |
| SSW | .1 | .4 | 2.3 | .8 | .1 | .1 | | | | | | 3.9 | 10.0 |
| SW | | | 1.3 | 1.5 | | | | | | | | 2.8 | 11.1 |
| WSW | | .1 | .5 | | | .1 | | | | | | .6 | 10.3 |
| W | .7 | .5 | .9 | .7 | .1 | | | | | | | 3.0 | 7.5 |
| WNW | .1 | .4 | .1 | | | | | | | | | .7 | 6.2 |
| NW | .1 | .3 | 1.2 | 1.6 | .4 | | | | | | | 3.6 | 11.6 |
| NNW | | 1.3 | 1.5 | 2.3 | .8 | .7 | | | | | | 6.6 | 12.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.4 | |
| | 5.8 | 10.8 | 24.2 | 25.2 | 13.0 | 7.6 | 3.4 | .7 | | | | 100.0 | 11.7 |

TOTAL NUMBER OF OBSERVATIONS 741

USAFETAC FORM 0-8 (OL-B4) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

CAPE NEWENHAM AFS AK — 73-82 YEARS — MAR MONTH

ALL WEATHER CLASS — ALL HOURS 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 | .5 | 1.6 | 2.7 | 3.7 | 1.4 | .4 | .2 | | | | | 10.3 | 11.4 |
| NNE | .2 | .7 | .7 | .3 | .1 | .1 | .1 | | | | | 2.1 | 7.7 |
| NE | .4 | .4 | .3 | .2 | .1 | | | | | | | 1.3 | 6.5 |
| ENE | .4 | .7 | .5 | .3 | .1 | | | | | | | 2.0 | 7.4 |
| E | .8 | 1.3 | 2.7 | 3.1 | 1.3 | .6 | .2 | .1 | | | | 9.8 | 12.1 |
| ESE | .4 | .5 | 1.3 | 3.6 | 3.1 | 2.1 | 1.4 | .5 | .2 | .2 | | 13.1 | 16.2 |
| SE | .5 | .7 | 1.1 | 1.5 | 1.7 | 1.4 | 1.2 | .4 | .2 | | | 8.4 | 17.9 |
| SSE | .5 | 1.1 | 1.7 | 2.8 | 1.9 | 1.2 | .4 | .1 | .1 | | | 9.7 | 14.5 |
| S | .4 | 1.1 | 3.3 | 3.8 | 1.8 | .6 | .1 | | | | | 11.1 | 12.7 |
| SSW | .1 | .4 | 1.1 | 1.2 | .3 | .1 | .1 | | | | | 2.9 | 13.5 |
| SW | .1 | .3 | .8 | .7 | .1 | .1 | | | | | | 2.1 | 12.0 |
| WSW | .1 | .2 | .4 | .4 | .2 | .1 | .1 | .1 | | | | 1.4 | 14.1 |
| W | .3 | .5 | .7 | .8 | .1 | .1 | .1 | | | | | 2.5 | 9.8 |
| WNW | .1 | .5 | .6 | .3 | .1 | .1 | .1 | | | | | 2.2 | 10.4 |
| NW | .1 | .4 | .9 | .9 | .3 | .1 | | | | | | 2.7 | 11.1 |
| NNW | .3 | .9 | 1.5 | 2.6 | 1.3 | .4 | | | | | | 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 | .2 | | 100.0 | 11.3 |

TOTAL NUMBER OF OBSERVATIONS 7,455

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 0357 CAPE NEWENHAM AFS AK 73-82 APR
STATION STATION NAME YEARS MONTH

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

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 | 2.3 | 2.8 | 2.2 | 1.2 | .1 | | | | | | 9.8 | 9.5 |
| NNE | .7 | 1.1 | .6 | | | .1 | | | | | | 2.5 | 6. |
| NE | .5 | .2 | .2 | .1 | .1 | .2 | | | | | | 1.4 | 10.5 |
| ENE | .6 | .7 | .2 | .5 | | | | | | | | 1.9 | 8.3 |
| E | 1.6 | 1.7 | 1.3 | 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. | 14.9 |
| SSE | .7 | .9 | 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 | | | | | | | | 2.3 | 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 | .6 | 2.3 | 3.7 | .7 | .2 | | | | | | 8.6 | 10.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.3 | |
| | 8.8 | 13.3 | 19.2 | 21.8 | 9.4 | 5.9 | 1.5 | .3 | | | | 100. | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 682

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 3350 — STATION — CAPE NEWENHAM AFS AK — STATION NAME — 73-82 — YEARS — APR — MONTH

ALL WEATHER — CLASS — 0300-1000 — HOURS (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 | 2.2 | 1.5 | 2.5 | 1.4 | 1.7 | .1 | | | | | | 9.3 | 9.1 |
| NNE | .3 | .1 | .5 | .3 | | .2 | | | | | | 1.5 | 11.2 |
| NE | .3 | .5 | .3 | | .1 | | | | | | | 1.2 | 10.2 |
| ENE | .7 | .6 | .7 | .1 | | | | | | | | 2.1 | 8.9 |
| E | 1.1 | 2.8 | 1.5 | 1.8 | .2 | .5 | | | | | | 8.1 | 8.5 |
| ESE | .6 | .9 | 1.8 | 1.5 | 2.5 | 1.1 | .6 | .2 | | | | 9.2 | 13.5 |
| SE | .6 | 1.7 | .8 | .9 | 1.4 | .6 | .2 | .3 | | | | 6.5 | 13.6 |
| SSE | .3 | 1.6 | 1.4 | 2.7 | 1.9 | 2.3 | .2 | | | | | 10.2 | 14.6 |
| S | .9 | 1.2 | 2.1 | 3.6 | 1.1 | 1.3 | .3 | | | | | 10.5 | 12.7 |
| SSW | .1 | .7 | 1.0 | 1.0 | | | .2 | | | | | 3.1 | 11.6 |
| SW | | .3 | .8 | .1 | | | | | | | | 1.2 | 9.1 |
| WSW | .1 | .5 | .6 | .6 | | .1 | | | | | | 1.8 | 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 | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.8 | |
| | 7.8 | 15.2 | 19.4 | 18.7 | 11.0 | 5.9 | 1.6 | .6 | | | | 100.1 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 981

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER 0300- 800
CLASS HOURS (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 | 1.6 | 2.5 | 3.1 | 2.6 | .9 | .1 | | | | | | 11.0 | 9.1 |
| NNE | .8 | .6 | .2 | | | .2 | .1 | | | | | 1.9 | 7.8 |
| NE | .1 | .1 | .1 | | | | | | | | | .3 | 5.7 |
| ENE | .6 | .6 | .3 | .3 | | | | | | | | 1.8 | 6.6 |
| E | 1.1 | 2.5 | 2.4 | 1.2 | .2 | .1 | .1 | | | | | 7.6 | 8.3 |
| ESE | .7 | 1.2 | 1.3 | 3.0 | 2.2 | 1.5 | .4 | .2 | | | | 10.7 | 15.1 |
| SE | 1.2 | 1.1 | .9 | 1.7 | 1.0 | 1.2 | .8 | | .2 | | | 7.9 | 15.1 |
| SSE | 1.2 | 1.7 | 1.0 | 1.7 | .7 | 1.1 | .6 | | | .1 | | 7.9 | 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 | | | | | 2.6 | 11.2 |
| SW | | .4 | .2 | .3 | | | | | | | | 1.0 | 8.6 |
| WSW | .3 | .4 | .2 | .3 | | | | | | | | 1.3 | 7.5 |
| W | .6 | .3 | .9 | .8 | | .1 | | | | | | 3.0 | 8.1 |
| WNW | .1 | .6 | .9 | .1 | .2 | | | | | | | 1.9 | 6.6 |
| NW | .1 | .3 | 1.3 | 1.5 | | | | | | | | 3.3 | 10.9 |
| NNW | .6 | 1.3 | 2.6 | 2.9 | .8 | | | | | | | 8.2 | 1.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 9.2 | 16.0 | 19.0 | 20.6 | 6.9 | 4.9 | 2.7 | .2 | .2 | .1 | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 589

USAFETAC FORM [illegible]

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

2

# SURFACE WINDS

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

... CAPE NEWENHAM AFS AK | 73-82 YEARS | APR MONTH

ALL WEATHER CLASS | ...-1100 HOURS L.S.T.

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 | 1.3 | 1.5 | 3.1 | 3.6 | .9 | .2 | | | | | | 10.4 | 7.4 |
| NNE | 1.3 | .4 | .2 | | | .1 | .1 | | | | | 2.2 | 5.7 |
| NE | .3 | .2 | .5 | .4 | | | | | | | | 1.5 | 5.4 |
| ENE | .3 | .1 | .1 | | | | | | | | | .5 | 5.4 |
| E | 1.5 | .4 | 2.5 | 2.5 | .6 | .2 | .1 | | | | | 7.4 | 7.9 |
| ESE | 1.1 | .6 | 1.9 | 2.9 | 2.6 | 1.6 | .3 | .1 | | | | 11.1 | 14.5 |
| SE | .7 | .3 | .6 | 2.2 | 1.7 | 1.1 | .5 | .1 | .1 | | | 7.5 | 12.4 |
| SSE | .3 | .2 | .7 | 1.8 | 1.0 | 1.3 | .3 | | .1 | | | 5.7 | 10.4 |
| S | .6 | 1.5 | 2.2 | 1.2 | 1.1 | .5 | .4 | .1 | | | | 7.8 | 12.6 |
| SSW | | .7 | 1.8 | .9 | .1 | | | | | | | 3.5 | 9.7 |
| SW | .1 | .2 | .5 | .3 | | | | | | | | 1.2 | 8.8 |
| WSW | | .4 | 1.3 | | .1 | | | | | | | 1.9 | 9.5 |
| W | .1 | .4 | 1.2 | .4 | | .1 | | | | | | 2.1 | 9.1 |
| WNW | .2 | .3 | .8 | .2 | .1 | | | | | | | 1.7 | 8.1 |
| NW | .7 | .1 | 1.1 | 1.0 | .1 | .2 | | | | | | 3.3 | 10.3 |
| NNW | 1.1 | 2.2 | 2.5 | 4.3 | 1.2 | .2 | | | | | | 11.5 | 10.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .2 | |
| | 9.9 | 11.4 | 21.2 | 27.9 | 8.9 | 5.7 | 2.1 | .3 | .2 | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 851

USAFETAC FORM ... PREVIOUS EDITION OF THIS FORM ARE ...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 5 5 5 | CAPE NEWENHAM AFS AK | 73-82 | APR
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | 1200-1400
CLASS | HOURS (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 | 2.1 | 2.6 | 2.6 | 3.1 | 1.4 | .1 | | | | | | 11.6 | 7.1 |
| NNE | .3 | .7 | .1 | .1 | | | .7 | | | | | 1.7 | 10.4 |
| NE | | .7 | .2 | .1 | .7 | | | | | | | 1.2 | 9.7 |
| ENE | .3 | .1 | .5 | .3 | | | | | | | | 1.2 | 7.5 |
| E | 1.2 | .8 | 2.0 | 1.9 | .3 | .5 | .1 | | | | | 6.9 | 10.4 |
| ESE | .3 | 1.1 | .9 | 2.8 | 2.0 | 1.9 | .2 | | | | | 9.4 | 15.6 |
| 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 | .2 | | | | | 6.8 | 17.4 |
| S | .3 | 1.7 | 2.3 | 2.7 | 1.3 | .5 | .2 | .1 | | | | 9.9 | 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 | 8.8 |
| W | .2 | .7 | .8 | .8 | | | | | | | | 2.5 | 8.7 |
| WNW | .2 | .7 | 1.2 | .3 | | | | | | | | 2.5 | 7.9 |
| NW | .9 | 1.3 | 1.2 | .8 | .1 | .2 | .1 | | | | | 4.4 | 9.3 |
| NNW | 1.7 | 2.7 | 3.3 | 3.3 | 2.3 | .1 | | | | | | 12.4 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.6 | |
| | 9.6 | 13.3 | 20.4 | 21.3 | 13.5 | 6.4 | 1.6 | .1 | .1 | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 387

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

| STATION | STATION NAME | YEARS | MONTH |
|---|---|---|---|
| [illegible] | CAPE NEWENHAM AFS AK | 73-92 | [illegible] |

ALL WEATHER
CLASS

[illegible] - [illegible]
HOURS L.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 | 1.9 | 2.7 | 2.8 | 3.9 | 1.5 | | | | | | | 11.8 | 9.5 |
| NNE | .6 | .7 | .2 | .1 | | | .2 | | | | | 1.9 | 7.3 |
| NE | .3 | .3 | .2 | .2 | .1 | .1 | | | | | | 1.4 | 7.5 |
| ENE | .2 | .1 | .3 | .1 | | | | | | | | .5 | 7.1 |
| E | 1.0 | .7 | 1.2 | 1.3 | .3 | .5 | | | | | | 5.0 | 10.3 |
| ESE | .3 | 1.7 | 2.4 | 1.9 | 2.1 | 2.0 | .5 | | | | | 10.3 | 15.1 |
| SE | .2 | .8 | 1.0 | 1.5 | 1.5 | 1.7 | | | | | | 6.2 | 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 | | | | | 10.3 | 13.6 |
| SSW | .1 | 1.2 | 1.4 | 1.2 | .1 | .1 | | | | | | 4.1 | 9.4 |
| 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 | 1.0 | 1.4 | .5 | | | | | | | | 3.1 | 7.8 |
| NW | .9 | 1.0 | .9 | .8 | .7 | .2 | | | | | | 4.6 | 7.3 |
| NNW | 1.4 | 2.2 | 2.9 | 3.2 | 1.7 | .2 | .1 | | | | | 13.6 | 11.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.7 | |
| | 7.9 | 13.0 | 20.8 | 21.7 | 10.8 | 7.4 | 1.2 | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 361

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS, AK — 73-82 — APR

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — (1900-2000 LST)

CLASS — HOURS LST

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .3 | 1.7 | 2.1 | 5.8 | 1.3 | | | | | | | 11.2 | 9.5 |
| NNE | .3 | .4 | .4 | .3 | | .3 | | | | | | 1.7 | 11.1 |
| NE | .0 | .1 | .1 | | | .2 | | | | | | 1.2 | 8.4 |
| ENE | .1 | .4 | .1 | | .3 | | | | | | | .9 | 8.3 |
| E | 1.7 | 2.3 | 1.0 | 1.0 | | .1 | | | | | | 6.1 | 8.5 |
| ESE | .7 | .9 | 1.2 | 1.7 | 1.8 | 2.7 | .5 | | | | | 9.2 | 15.5 |
| SE | .5 | .6 | 1.4 | 1.9 | 1.4 | 1.3 | .1 | | | | | 7.3 | 14.5 |
| SSE | .3 | .3 | .7 | 1.9 | 2.7 | 1.7 | .4 | .1 | | | | 7.7 | 17.7 |
| S | .1 | .5 | 2.5 | 4.7 | 1.7 | 1.7 | .5 | | | | | 13.2 | 14.5 |
| SSW | .1 | .7 | .8 | .6 | | | | | | | | 2.2 | 5.5 |
| SW | .1 | .7 | 1.2 | .5 | .1 | | | | | | | 2.9 | 7.9 |
| WSW | | .2 | .5 | | | | | | | | | 1.0 | 7.2 |
| W | .3 | 1.3 | .5 | .4 | | | | | | | | 2.6 | 7.3 |
| WNW | .4 | 1.1 | 1.3 | .1 | | | | | | | | 3.2 | 6.4 |
| NW | .6 | .5 | 1.0 | 1.4 | .5 | .1 | | | | | | 4.2 | 10.1 |
| NNW | 1.0 | 1.4 | 1.4 | 4.7 | 1.7 | .5 | .1 | | | | | 11.1 | 12.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.2 | |
| | 9.3 | 13.6 | 16.3 | 23.9 | 11.1 | 6.9 | 1.8 | .1 | | | | 100.3 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 791

FORM 0-84 (PREVIOUS EDITIONS OBSOLETE)

DL SAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK | 73,75-82 YEARS | APR MONTH

ALL WEATHER CLASS | [illegible] HOURS (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 | 2.2 | 2.1 | 2.7 | 3.5 | 1.7 | | | | | | | 12.1 | 7.5 |
| NNE | .6 | 1.3 | .8 | .1 | | .1 | | | | | | 2.3 | 6.2 |
| NE | .5 | .7 | .1 | .1 | .1 | .3 | | | | | | 1.7 | 9.7 |
| ENE | .1 | .5 | .1 | .3 | .1 | | | | | | | 1.3 | 8.1 |
| E | 1.8 | 2.2 | .8 | .9 | .1 | | | | | | | 5.8 | 8.4 |
| ESE | .8 | 1.2 | 1.9 | 1.5 | 1.7 | 2.3 | .3 | | | | | 9.4 | 14.8 |
| SE | .4 | .5 | .9 | 1.2 | 1.7 | 1.4 | .1 | .4 | | | | 6.2 | 16.8 |
| SSE | 1.2 | 1.2 | .9 | 2.7 | 2.8 | 1.4 | .3 | .3 | | | | 11.8 | 15.2 |
| S | 1.2 | 1.2 | 1.5 | 2.3 | 1.7 | .9 | .5 | | | | | 10.1 | 13.3 |
| SSW | .3 | .6 | .3 | .9 | .1 | | | | | | | 2.2 | 9.7 |
| SW | .4 | .3 | .8 | .2 | .1 | | | | | | | 1.8 | 8.4 |
| WSW | .5 | .4 | .3 | .1 | | | | | | | | 1.3 | 5.2 |
| W | .4 | 1.3 | .4 | .5 | | | | | | | | 2.6 | 7.3 |
| WNW | .3 | .6 | 1.7 | .3 | | | | | | | | 3.1 | 7.3 |
| NW | .8 | .3 | .6 | .6 | .5 | .1 | | | | | | 2.8 | 11.3 |
| NNW | .4 | 1.3 | 2.4 | 4.2 | 1.3 | .4 | | | | | | 10.5 | 11.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.3 | |
| | 11.2 | 16.0 | 15.8 | 20.5 | 11.5 | 6.9 | 1.2 | .6 | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS 79[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

| 70350 | CAPE NEWENHAM AFS AK | 73-82 | APR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |
| | ALL WEATHER | | ALL |
| | CLASS | | HOURS L.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 | 1.8 | 2.[illegible] | 2.7 | 3.0 | 1.3 | .1 | | | | | | 10.9 | 9.4 |
| NNE | .5 | .6 | .3 | .1 | | .1 | .1 | | | | | 1.9 | 7.5 |
| NE | .4 | .3 | .2 | .1 | .1 | .1 | | | | | | 1.2 | 8.4 |
| ENE | .4 | .4 | .3 | .2 | .0 | | | | | | | 1.3 | 6.9 |
| E | 1.4 | 1.6 | 1.6 | 1.6 | .3 | .3 | .0 | | | | | 6.7 | 8.8 |
| ESE | .5 | 1.0 | 1.7 | 2.2 | 2.1 | 1.7 | .4 | .1 | | | | 9.8 | 15.0 |
| SE | .3 | .9 | 1.0 | 1.5 | 1.3 | 1.1 | .4 | .1 | .1 | | | 7.0 | 15.2 |
| SSE | .5 | .8 | .8 | 2.1 | 1.6 | 1.5 | .3 | .1 | .0 | .0 | | 7.8 | 15.6 |
| S | .5 | 1.2 | 2.4 | 3.1 | 1.2 | .8 | .4 | .0 | | | | 9.7 | 13.1 |
| SSW | .1 | .6 | 1.2 | .9 | .1 | .1 | .1 | | | | | 3.[illegible] | 9.8 |
| SW | .1 | .2 | .7 | .3 | .1 | .1 | | | | | | 1.5 | 9.6 |
| WSW | .1 | .5 | .6 | .3 | .1 | .1 | | | | | | 1.5 | 8.0 |
| W | .2 | .6 | .7 | .6 | | .0 | | | | | | 2.1 | 8.0 |
| WNW | .2 | .7 | 1.2 | .2 | .1 | | | | | | | 2.4 | 7.8 |
| NW | .5 | .6 | 1.2 | 1.0 | .4 | .1 | .0 | | | | | 3.9 | 10.1 |
| NNW | .9 | 1.6 | 2.4 | 3.9 | 1.4 | .2 | .0 | | | | | 10.5 | 11.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.5 | |
| | 9.1 | 14.[illegible] | 19.1 | 21.2 | 10.0 | 6.2 | 1.7 | .3 | .1 | .0 | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 685

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

| 7 5027 | CAPE NEWENHAM AFS AK | 73-82 | MAY |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |
| | ALL WEATHER | | 0[illegible]-[illegible] |
| | CLASS | | HOURS L.S.T. |

CONDITION

| 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 | .5 | .5 | .2 | .1 | | | | | | | 2.[illegible] | 5.[illegible] |
| NNE | .2 | .1 | .1 | | | | | | | | | .[illegible] | [illegible] |
| NE | .5 | .2 | .4 | | | | | | | | | 1.1 | 5.2 |
| ENE | .4 | 1.4 | .7 | .1 | | | | | | | | 2.5 | 6.1 |
| E | 2.1 | 3.2 | 1.3 | .9 | .1 | .1 | | | | | | 8.1 | 7.1 |
| ESE | 1.2 | 2.9 | 5.6 | 3.6 | 1.6 | .3 | | | | | | 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 | 7.8 |
| S | 1.1 | 1.6 | 3.8 | 2.9 | .5 | | | | | | | 10.[illegible] | 7.4 |
| SSW | | .4 | .6 | .1 | | | | | | | | 1.1 | 7.7 |
| SW | .1 | .2 | .1 | | | | | | | | | .[illegible] | 5.[illegible] |
| WSW | .1 | .5 | .5 | .2 | | | | | | | | 1.3 | 7.6 |
| W | .5 | .6 | 1.1 | .2 | | | | | | | | 2.5 | 6.8 |
| WNW | .2 | .3 | .8 | .2 | | | | | | | | 1.1 | 6.8 |
| NW | .4 | .7 | 1.1 | .8 | .6 | | | | | | | 3.5 | 10.3 |
| NNW | .5 | 1.1 | 1.2 | 2.[illegible] | .5 | .1 | | | | | | 5.4 | 10.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.[illegible] | |
| | 11.3 | 18.1 | 29.3 | 16.1 | 5.7 | 1.4 | .1 | | | | | [illegible] | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 653

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE [illegible]

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 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

| WIND DIRECTION (TO) | WIND SPEED (KNOTS) 1 - 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 | .6 | .2 | .3 | | | | | | | 2.7 | 7.5 |
| NNE | .2 | .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 | 1.8 | 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 | .9 | .4 | | | | | | 11.0 | 10.7 |
| S | .7 | 2.0 | 2.5 | 1.6 | .7 | .1 | | | | | | 7.7 | 9.5 |
| SSW | .3 | .3 | .4 | .1 | .1 | | | | | | | 1.3 | 7.1 |
| SW | .1 | | | | | | | | | | | .1 | 3.7 |
| WSW | | .3 | .1 | | | | | | | | | .4 | 6.7 |
| W | .3 | 1.7 | 1.9 | .5 | | | | | | | | 3.7 | 8.1 |
| WNW | .2 | 1.2 | .3 | .3 | | | | | | | | 2.1 | 6.7 |
| NW | .3 | .8 | 1.4 | 1.1 | .2 | .1 | | | | | | 3.9 | 9.6 |
| NNW | .4 | .8 | 1.1 | 2.0 | .8 | .1 | | | | | | 5.2 | 11.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.5 | |
| | 9.8 | 17.1 | 23.8 | 18.0 | 5.6 | 2.3 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7[illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — MAY (MONTH)

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

(CONDITION)

| SPEED (KNOTS) OR | 1 - 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.[illegible] | [illegible].5 |
| NNE | .4 | .7 | .1 | | | | | | | | | 1.2 | 4.5 |
| NE | .2 | .4 | .1 | | | | | | | | | .8 | 4.[illegible] |
| ENE | 1.[illegible] | 1.2 | .7 | .1 | | | | | | | | 2.9 | 4.[illegible] |
| E | 1.5 | 3.7 | 3.3 | 1.5 | .3 | | | | | | | 10.5 | 7.[illegible] |
| ESE | .7 | 1.7 | 4.1 | 4.4 | 1.6 | 1.1 | .1 | | | | | 13.7 | 12.1 |
| SE | .8 | 1.[illegible] | 2.3 | 2.5 | 1.4 | 1.[illegible] | .2 | | | | | 9.7 | 12.6 |
| SSE | .7 | 1.3 | 2.5 | 2.1 | 1.[illegible] | .4 | .4 | | | | | 8.4 | 11.8 |
| S | .2 | 2.1 | 2.8 | 2.1 | .4 | | | | | | | 7.6 | 9.6 |
| SSW | .4 | .4 | .1 | | | | | | | | | 1.[illegible] | 3.[illegible] |
| SW | | .2 | .3 | | | | | | | | | .[illegible] | 7.4 |
| WSW | .2 | .4 | .7 | | | | | | | | | 1.3 | 6.3 |
| W | .5 | .8 | 1.4 | .4 | | | | | | | | 3.2 | 7.2 |
| WNW | .3 | .9 | .7 | .4 | | | | | | | | 2.3 | 7.[illegible] |
| NW | .3 | 1.1 | 1.[illegible] | 1.[illegible] | .2 | | | | | | | 3.6 | 9.[illegible] |
| NNW | .2 | 1.7 | 1.4 | 2.2 | .9 | .1 | | | | | | 5.9 | 10.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.3 | |
| | 8.8 | 18.3 | 22.0 | 17.9 | 6.2 | 2.6 | .8 | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 917

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]-1[illegible]

CLASS HOURS L.S.T.

CONDITION

| WIND DIR | SPEED (KNOTS) 1 - 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.[illegible] | 2.[illegible] |
| NE | .3 | .7 | .5 | | | | | | | | | 1.[illegible] | 5.4 |
| ENE | .3 | .3 | 1.1 | .4 | | | | | | | | [illegible].[illegible] | 8.[illegible] |
| E | .9 | 1.2 | 4.1 | 2.7 | 1.0 | .1 | | | | | | 1[illegible].[illegible] | 9.9 |
| ESE | .2 | 2.7 | 3.7 | 4.6 | 1.6 | 1.2 | .1 | | | | | 14.2 | 12.1 |
| SE | .1 | 1.1 | 3.1 | 3.4 | 1.5 | .5 | .1 | | | | | 9.8 | 12.6 |
| SSE | .5 | .5 | 2.1 | 3.7 | .7 | .5 | .3 | | | | | 8.8 | 12.7 |
| S | .5 | 1.7 | 1.7 | 2.1 | .5 | .1 | | | | | | 7.[illegible] | 9.[illegible] |
| SSW | .2 | .5 | .7 | .7 | .1 | | | | | | | 2.2 | 8.5 |
| SW | .1 | .2 | .2 | .1 | | | | | | | | .7 | 7.[illegible] |
| WSW | | .[illegible] | .2 | | | | | | | | | .3 | 5.9 |
| W | .3 | .5 | .9 | .3 | | | | | | | | 2.1 | 7.1 |
| WNW | 1.2 | .7 | 1.4 | .4 | | | | | | | | 3.7 | 6.1 |
| NW | .9 | 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 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.9 | |
| | 9.2 | 17.1 | 23.6 | 23.1 | 6.9 | 2.5 | .5 | | | | | 10[illegible].[illegible] | 5.[illegible] |

TOTAL NUMBER OF OBSERVATIONS 916

USAFETAC FORM [illegible] [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER 12[illegible]-1400

CLASS HOURS (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 | 2.3 | 1.6 | .7 | 1.7 | | | | | | | | [illegible].3 | [illegible].6 |
| NNE | .7 | .4 | | | | | | | | | | 1.1 | 3.[illegible] |
| NE | .8 | .5 | .4 | | | | | | | | | 1.7 | [illegible].1 |
| ENE | .1 | .4 | 1.5 | .3 | | | | | | | | 2.4 | [illegible].3 |
| E | .9 | .8 | 2.8 | 1.6 | .5 | .4 | | | | | | 7.1 | 9.9 |
| ESE | .3 | 1.6 | 3.5 | 4.6 | 2.1 | .5 | .5 | | | | | 12.3 | 12.4 |
| SE | .3 | 1.3 | 5.1 | 3.5 | 1.4 | .2 | .2 | | | | | 11.1 | 11.5 |
| SSE | .3 | .7 | 3.3 | 3.7 | .4 | .2 | .2 | | | | | 8.3 | 11.5 |
| S | .3 | 1.3 | 3.2 | 1.2 | .4 | .1 | | | | | | 6.7 | 10.3 |
| SSW | .1 | .2 | .8 | 1.0 | .1 | | | | | | | 2.7 | 8.4 |
| SW | | | .3 | | | | | | | | | .3 | 7.3 |
| WSW | | .3 | .3 | | | | | | | | | .7 | 7.5 |
| W | .2 | .2 | .9 | .3 | | | | | | | | 1.3 | 7.3 |
| WNW | .8 | 1.2 | 1.3 | .4 | | | | | | | | 3.7 | 8.4 |
| NW | 1.3 | 1.8 | 1.8 | .3 | .1 | | | | | | | 5.2 | 8.2 |
| NNW | 1.9 | 3.3 | 2.2 | 1.7 | .5 | | | | | | | 9.6 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.8 | |
| | 10.3 | 17.2 | 28.1 | 22.5 | 5.7 | 1.5 | 1.[illegible] | | | | | 100.3 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 91[illegible]

USAFETAC FORM [illegible] [illegible] PREV. EDITIONS OF THIS FORM ARE [illegible]

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — MAY (MONTH)

ALL WEATHER (CLASS) — [illegible]-1700 (HOURS 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 | 1.7 | 3.1 | .5 | .6 | | | | | | | | 5.9 | 5.1 |
| NNE | .3 | .9 | .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 | 1.0 | .8 | .3 | .1 | | | | | 6.4 | 10.5 |
| ESE | .1 | 1.5 | 3.5 | 3.1 | 1.5 | .7 | | | | | | 10.3 | 12.0 |
| SE | .5 | 1.2 | 4.6 | 3.4 | .7 | .2 | .1 | | | | | 10.7 | 11.1 |
| SSE | .3 | 1.2 | 3.6 | 5.2 | .7 | .2 | .2 | | | | | 11.3 | 11.5 |
| S | .1 | 2.4 | 3.4 | 3.0 | .5 | .1 | | | | | | 9.5 | 10.3 |
| SSW | .1 | .7 | .5 | .3 | | .1 | | | | | | 1.4 | 9.7 |
| 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 | 8.1 |
| WNW | | .7 | .9 | .6 | | | | | | | | 2.2 | 8.5 |
| NW | .6 | 2.5 | .8 | .9 | .1 | | | | | | | 5.2 | 6.5 |
| NNW | 2.8 | 3.2 | 2.3 | 2.4 | .5 | | | | | | | 11.8 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.3 | |
| | 8.3 | 21.9 | 26.5 | 21.6 | 4.3 | 2.1 | .5 | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 552

USAFETAC FORM [illegible] PREVIOUS EDITIONS OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 335 | CAPE NEWENHAM AFS AK | 73-82 YEARS | APR MONTH

ALL WEATHER CLASS | 1600-1800 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 | 2.2 | 3.0 | .5 | | .2 | | | | | | | 5.9 | 4.4 |
| NNE | .8 | .3 | | .2 | | | | | | | | 1.3 | 4.1 |
| NE | .8 | .8 | .3 | | | | | | | | | 1.9 | 4.5 |
| ENE | .8 | .5 | .8 | | | | | | | | | 1.9 | 5.2 |
| E | .8 | 2.2 | 2.8 | 2.9 | .5 | .2 | | | | | | 9.4 | 9.0 |
| ESE | .3 | 2.2 | 5.4 | 3.2 | 1.2 | .5 | .2 | | | | | 12.9 | 11.1 |
| SE | .3 | 1.1 | 3.7 | 2.4 | .8 | .2 | | | | | | 8.5 | 10.2 |
| SSE | | 1.5 | 3.7 | 2.7 | .3 | .2 | | | | | | 8.5 | 11.4 |
| S | .8 | 2.4 | 3.2 | 1.9 | .3 | | | | | | | 8.5 | 8.5 |
| SSW | .2 | .8 | .2 | .2 | | | | | | | | 1.4 | 5.7 |
| SW | | .5 | .2 | | | | | | | | | .8 | 5.5 |
| WSW | .2 | .3 | .3 | | | | | | | | | .8 | 5.8 |
| W | .5 | 1.3 | 1.3 | | | | | | | | | 3.2 | 5.3 |
| WNW | .8 | 1.6 | .5 | | | | | | | | | 2.9 | 5.1 |
| NW | .2 | 1.2 | .8 | .8 | | | | | | | | 2.7 | 8.6 |
| NNW | 1.6 | 1.3 | 1.6 | 2.2 | .3 | | | | | | | 7.5 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.1 | |
| | 9.2 | 23.9 | 24.9 | 16.9 | 3.3 | 1.2 | .2 | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 622

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK 73,75-82 MAY
STATION NUMBER STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS (LST)

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 | 1.7 | .6 | .2 | | | | | | | | | .6 | 3.7 |
| NNE | .5 | .7 | .5 | | | | | | | | | 1.1 | 5.1 |
| NE | .2 | .6 | .5 | | | | | | | | | 1.4 | 5.4 |
| ENE | 1.6 | 1.7 | .2 | | | | | | | | | 3.7 | 5.3 |
| E | 1.1 | 3.5 | 1.6 | 1.3 | .5 | .2 | | | | | | 8.2 | 7.5 |
| ESE | 1.1 | 3.2 | 5.8 | 4.3 | .6 | .2 | | | | | | 14.9 | 9.3 |
| SE | 1.7 | 1.5 | 2.1 | 2.4 | .8 | .5 | | | | | | 9.3 | 10.5 |
| SSE | 1.1 | 2.4 | 4.3 | 2.6 | 1.7 | .7 | | | | | | 11.6 | 9.3 |
| S | .2 | 2.2 | 3.0 | 2.7 | .7 | .2 | | | | | | 7.3 | 9.2 |
| SSW | .7 | .3 | | .2 | | | | | | | | .3 | 6.0 |
| SW | .3 | .7 | .3 | | | | | | | | | .3 | 5.2 |
| WSW | | | .5 | | | | | | | | | .3 | 5.7 |
| W | .5 | .5 | .8 | .2 | | | | | | | | 1.7 | 6.7 |
| WNW | .8 | .6 | .3 | | | | | | | | | 1.6 | 4.6 |
| NW | .5 | 1.8 | 1.7 | .8 | .5 | | | | | | | 4.5 | 6.1 |
| NNW | .8 | .8 | .5 | .2 | | | | | | | | 4.5 | 3.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.5 | |
| | 11.1 | 19.7 | 21.7 | 15.4 | 3.5 | 1.1 | | | | | | [illegible] | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 623

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — STATION / STATION NAME

73-82 — YEARS

MAY — MONTH

ALL WEATHER — CLASS

ALL — HOURS (L.S.T.)

CONDITION

| COLLECTIVE FREQUENCY (%) FOR | 1 - 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 | .3 | | | | | | | 4.4 | 5.4 |
| NNE | .5 | .4 | .1 | .0 | | | | | | | | 1.0 | 3.9 |
| NE | .5 | .5 | .4 | | | | | | | | | 1.4 | 5.1 |
| ENE | .5 | .8 | .9 | .2 | | | | | | | | 2.3 | 5.7 |
| E | 1.3 | 2.2 | 2.8 | 1.7 | .8 | .2 | .1 | | | | | 8.3 | 8.3 |
| ESE | .7 | 2.2 | 4.5 | 4.0 | 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 | 2.1 | 2.9 | 2.4 | .5 | .1 | | | | | | 8.4 | 9.6 |
| SSW | .2 | .5 | .4 | .3 | .0 | .0 | | | | | | 1.5 | 8.0 |
| SW | .1 | .1 | .2 | .0 | | | | | | | | .6 | 6.6 |
| WSW | .1 | .3 | .3 | .1 | | | | | | | | .8 | 7.1 |
| W | .4 | .3 | 1.3 | .3 | | | | | | | | 2.8 | 7.3 |
| WNW | .5 | 1.1 | .8 | .3 | | | | | | | | 2.6 | 6.4 |
| NW | .8 | 1.4 | 1.1 | 1.0 | .3 | .1 | | | | | | 4.3 | 8.2 |
| NNW | 1.2 | 2.0 | 1.5 | 2.1 | .5 | .1 | | | | | | 7.2 | 8.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.6 | |
| | 9.7 | 18.6 | 24.3 | 19.3 | 5.2 | 1.9 | .4 | | | | | 100.3 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 5625

USAFETAC FORM 0-8 [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK | 73-82 YEARS | JUN MONTH

ALL WEATHER CLASS | [illegible] HOURS (L.S.T.)

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 | .6 | .1 | .6 | .1 | | | | | | | | 1.4 | 5.6 |
| NNE | .4 | | | | | | | | | | | .4 | 2.5 |
| NE | .7 | .3 | | | | | | | | | | 1.0 | 2.4 |
| ENE | .8 | .4 | | | | | | | | | | 1.2 | 3.1 |
| E | 1.9 | 1.5 | .6 | .1 | .1 | | | | | | | 4.3 | 4.9 |
| ESE | 1.1 | 1.3 | 1.4 | .7 | .4 | .3 | | | | | | 4.8 | 8.7 |
| SE | .7 | 2.5 | 1.2 | 1.9 | .7 | .4 | .1 | | | | | 7.6 | 10.3 |
| SSE | 2.2 | 2.9 | 3.2 | 2.8 | 1.1 | .4 | | | | | | 12.5 | 9.4 |
| S | 2.3 | 3.4 | 3.6 | 3.2 | 1.7 | .1 | | | | | | 14.3 | 9.4 |
| SSW | .7 | .7 | 1.8 | 2.1 | | | | | | | | 5.2 | 9.1 |
| SW | .1 | .6 | .6 | .7 | | | | | | | | 1.9 | 5.9 |
| WSW | .1 | .4 | 1.2 | .6 | | | | | | | | 2.3 | 5.9 |
| W | .7 | 1.5 | .4 | .7 | | | | | | | | 3.3 | 6.4 |
| WNW | 1.1 | .8 | 1.4 | .3 | | | | | | | | 3.6 | 6.3 |
| NW | 1.0 | .6 | 1.9 | .4 | | | | | | | | 3.9 | 6.9 |
| NNW | 1.2 | 1.7 | .7 | .3 | .1 | | | | | | | 3.3 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.7 | |
| | 16.0 | 17.6 | 13.5 | 13.8 | 4.1 | 1.2 | .1 | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 726

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

| [illegible] | CAPE NEWENHAM AFS AK | 73-82 | JUN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |
| | ALL WEATHER | | 0300-1500 |
| | CLASS | | HOURS (LST) |

CONDITION

| WIND DIR \ SPEED (KNOTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .9 | .5 | .3 | | .4 | | | | | | | .J | 5.4 |
| NNE | .4 | .3 | .3 | | | | | | | | | .7 | 4.1 |
| NE | | .1 | | | | | | | | | | .1 | [illegible] |
| ENE | .5 | .3 | .1 | | | | | | | | | .9 | 3.5 |
| E | 1.3 | 1.4 | 1.3 | .3 | .1 | | | | | | | 4.3 | [illegible] |
| ESE | 1.1 | 1.4 | 2.1 | .5 | .4 | | .1 | | | | | 5.3 | 5.4 |
| SE | .9 | 1.9 | 1.7 | 1.6 | 1.3 | .7 | .1 | | | | | 7.2 | [illegible] |
| SSE | 2.3 | 2.3 | 3.6 | 2.6 | .8 | | | | | | | 11.5 | 5.4 |
| S | 1.8 | 3.5 | 4.0 | 4.3 | 1.1 | .3 | | | | | | 14.9 | 6.5 |
| SSW | .3 | 1.3 | 1.9 | 1.1 | .1 | | | | | | | 4.8 | 5.7 |
| SW | .3 | .9 | .5 | .3 | | | | | | | | 1.9 | 5.5 |
| WSW | | .4 | .6 | .6 | | | | | | | | 1.5 | 7.7 |
| W | .5 | 1.1 | 1.1 | .4 | | | | | | | | 3.3 | 6.3 |
| WNW | 1.5 | .9 | 1.9 | .3 | | | | | | | | 4.5 | 6.1 |
| NW | .3 | 1.3 | 2.8 | .3 | | | | | | | | 4.5 | 7.4 |
| NNW | 2.0 | | 2.0 | .6 | .3 | | | | | | | 4.9 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.2 | |
| | 13.9 | 17.3 | 23.5 | 12.9 | 4.4 | .5 | .3 | | | | | 100.0 | 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)

[illegible] CAPE NEWENHAM AFS AK — STATION / STATION NAME
73-82 — YEARS
JUL — MONTH
ALL WEATHER — CLASS
0600-0900 — HOURS (LST)
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 | .9 | .6 | .4 | | | | | | | | 3.5 | 4.5 |
| NNE | .2 | .5 | | | | | | | | | | .5 | 3.7 |
| NE | .4 | .4 | .1 | | | | | | | | | .8 | 3.4 |
| ENE | .1 | .2 | .5 | | | | | | | | | .5 | 6.7 |
| E | .4 | 2.8 | 2.2 | .5 | | | | | | | | 5.9 | 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 | .8 | 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 | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.3 | |
| | 9.2 | 19.4 | 24.1 | 16.2 | 4.4 | 1.1 | .2 | | | | | 100.3 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — JUN (MONTH)

ALL WEATHER (CLASS) — [illegible]-1100 (HOURS L.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 | 3.7 | 2.8 | 1.1 | .6 | .2 | | | | | | | [illegible] | [illegible] |
| NNE | .7 | 1.2 | .1 | | | | | | | | | [illegible] | 4.2 |
| NE | .5 | .2 | .1 | | | | | | | | | .8 | [illegible] |
| ENE | .1 | .4 | .6 | .1 | | | | | | | | 1.2 | 7.3 |
| E | | .3 | 1.9 | 1.1 | | | | | | | | 3.7 | [illegible] |
| ESE | .1 | .6 | 1.8 | 1.5 | .7 | .7 | .1 | | | | | 5.2 | 12.7 |
| SE | | .3 | 2.6 | 1.9 | .5 | .4 | .2 | | | | | 6.4 | 11.3 |
| SSE | .1 | 1.5 | 3.0 | 2.8 | 1.4 | .2 | | | | | | 9.4 | 11.4 |
| S | 1.2 | 3.1 | 3.5 | 4.4 | 1.5 | .5 | .1 | | | | | 14.4 | 10.9 |
| SSW | .7 | 1.2 | 1.6 | 1.3 | .1 | | | | | | | 4.9 | 8.3 |
| SW | .1 | .4 | .7 | .7 | | | | | | | | 1.9 | [illegible] |
| WSW | .1 | .7 | 1.2 | .2 | | | | | | | | 2.2 | 7.7 |
| W | .9 | .7 | 2.2 | .2 | | | | | | | | 4.1 | 6.7 |
| WNW | .8 | 1.3 | 2.3 | .6 | | | | | | | | 5.3 | 7.3 |
| NW | 1.8 | 3.5 | 2.0 | .7 | | | | | | | | 8.1 | 5.9 |
| NNW | 2.7 | 4.1 | 1.5 | .8 | .2 | | | | | | | 9.3 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.3 | |
| | 15.6 | 23.8 | 26.2 | 17.1 | 4.7 | 1.4 | .5 | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 554

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

| 72300 | CAPE NEWENHAM AFS AK | 73-82 | JUN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |
| | ALL WEATHER | | 1200-1400 |
| | CLASS | | HOURS (L S T) |
| | CONDITION | | |

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 2.7 | 3.2 | 1.2 | .2 | | | | | | | | 7.3 | 4.7 |
| NNE | .2 | .7 | .6 | | | | | | | | | 1.5 | 5.7 |
| NE | .2 | | .1 | | | | | | | | | .4 | 4.7 |
| ENE | | .4 | .6 | .1 | | | | | | | | 1.1 | 7.3 |
| E | | .5 | .7 | .7 | .1 | | | | | | | 2.1 | 10.1 |
| ESE | | 1.2 | 2.1 | 1.5 | .6 | .4 | .1 | | | | | 5.9 | 11.5 |
| SE | .1 | 1.6 | 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 | | | | | | 15.3 | 11.3 |
| SSW | .1 | 1.5 | 1.8 | .6 | .4 | | | | | | | 4.4 | 8.9 |
| SW | .4 | .9 | .6 | .1 | | | | | | | | 2.3 | 5.9 |
| WSW | .2 | .6 | 1.6 | .5 | | | | | | | | 2.9 | 8.2 |
| W | .6 | 1.3 | 2.2 | .7 | | | | | | | | 4.5 | 7.8 |
| WNW | .7 | 2.4 | 2.6 | .7 | | | | | | | | 6.5 | 7.3 |
| NW | 1.7 | 3.1 | 2.9 | 1.0 | | | | | | | | 8.7 | 6.4 |
| NNW | 2.6 | 5.4 | 2.8 | 1.2 | .4 | | | | | | | 12.3 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.6 | |
| | 10.6 | 24.9 | 30.4 | 18.7 | 5.3 | 2.1 | .7 | | | | | 100.3 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 819

USAFETAC FORM JUL 68 2845 OLD A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 JUN
STATION STATION NAME YEARS MONTH

ALL WEATHER 1500-1700
CLASS HOURS (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 | 2.3 | 3.1 | .8 | | | | | | | | | 6.7 | 4.1 |
| NNE | .6 | 1.0 | .1 | | | | | | | | | 1.7 | 4.3 |
| NE | .3 | .3 | .4 | | | | | | | | | 1.0 | 5.9 |
| ENE | | .1 | .4 | | | | | | | | | .5 | 7.5 |
| E | .3 | .3 | 1.2 | .7 | | | | | | | | 2.5 | 8.8 |
| ESE | .1 | .3 | 1.7 | 2.5 | .1 | | .1 | | | | | 4.9 | 11.5 |
| SE | .5 | .8 | 1.3 | 1.8 | .8 | .1 | .3 | .1 | | | | 5.1 | 12.4 |
| SSE | .1 | 2.5 | 2.8 | 3.1 | 2.1 | .4 | .1 | .1 | | | | 11.4 | 12.5 |
| S | .6 | 2.9 | 5.3 | 4.5 | 1.1 | | | | | | | 14.3 | 10.1 |
| SSW | .4 | .8 | 1.9 | 1.0 | .1 | | | | | | | 4.3 | 5.6 |
| SW | .5 | .5 | .7 | .3 | | | | | | | | 2.1 | 6.3 |
| WSW | .1 | 1.0 | 1.1 | 1.0 | | | | | | | | 3.2 | 5.6 |
| W | .3 | .9 | 1.9 | .8 | | | | | | | | 3.9 | 6.3 |
| WNW | .8 | 1.5 | 2.9 | .8 | | | | | | | | 6.1 | 7.5 |
| NW | 1.5 | 3.1 | 2.9 | 2.5 | .3 | | | | | | | 10.5 | 7.7 |
| NNW | 2.5 | 5.1 | 2.9 | .8 | | | | | | | | 11.4 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.4 | |
| | 13.3 | 24.2 | 26.7 | 19.9 | 4.6 | .6 | .5 | .3 | | | | 100.1 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 772

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK | 75-82 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | [illegible] (HOURS LST)

CONDITION

| DIR / SPD | 1 - 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 | | | | | | | | | 5.6 | 5.6 |
| NNE | 1.1 | .5 | .2 | | | | | | | | | 1.8 | 5.5 |
| NE | | .9 | .2 | | | | | | | | | 1.1 | 5.2 |
| ENE | .2 | .4 | .4 | | | | | | | | | 1.1 | 6.3 |
| E | .6 | .4 | .9 | .2 | | | | | | | | 2.2 | 5.3 |
| ESE | | .6 | .6 | 1.7 | .2 | | | | | | | 3.2 | 10.5 |
| SE | .4 | 1.5 | 1.7 | 2.2 | .4 | .4 | | | | | | 6.7 | 10.3 |
| SSE | .4 | 2.4 | 3.2 | 3.2 | 2.8 | .6 | | .4 | | | | 13.1 | 12.8 |
| S | 1.5 | 5.2 | 4.3 | 3.7 | 1.9 | .2 | .2 | | | | | 17.2 | 9.9 |
| SSW | .9 | 1.9 | 1.5 | 1.3 | .2 | | | | | | | 5.8 | 7.9 |
| SW | .2 | 1.1 | 1.1 | .6 | | | | | | | | 3.0 | 7.2 |
| WSW | .2 | | 2.2 | .2 | | | | | | | | 2.6 | 8.1 |
| W | | 1.7 | 1.3 | .9 | | | | | | | | 4.1 | 6.1 |
| WNW | .6 | 1.9 | 2.2 | 1.5 | | | | | | | | 6.2 | 7.9 |
| NW | 1.1 | 2.6 | 2.2 | .9 | | | | | | | | 5.7 | 6.6 |
| NNW | 3.4 | 2.2 | 1.7 | .4 | | | | | | | | 7.8 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.9 | |
| | 13.6 | 26.1 | 24.1 | 16.8 | 5.6 | 1.3 | .2 | .4 | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 464

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 3057 — STATION
CAPE NEWENHAM AFS AK — STATION NAME
75-82 — YEARS
JUN — MONTH
ALL WEATHER — CLASS
2100-2300 — HOURS (LST)
CONDITION

| DIRECTION FROM WHICH WIND BLOWS | 1 - 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 | 6.0 |
| ESE | 1.1 | .9 | 1.7 | .9 | .6 | | | | | | | 5.2 | 5.3 |
| SE | 1.1 | 1.3 | 1.1 | 1.7 | .9 | .2 | | | | | | 6.3 | 7.6 |
| 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 | 7.4 |
| SSW | .2 | 1.3 | 2.6 | 1.3 | .2 | | | | | | | 5.6 | 7.1 |
| SW | .8 | .9 | 1.3 | .7 | | | | | | | | 3.5 | 7.3 |
| WSW | .7 | .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 | 8.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.9 | |
| | 14.7 | 18.7 | 21.3 | 14.2 | 5.8 | 1.1 | .4 | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 536

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

| 7 3057 | CAPE NEWENHAM AFS AK | 73-82 | JUN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER (CLASS) | ALL (HOURS 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 | 2.1 | 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 | 2.0 | 1.0 | .4 | .2 | .0 | | | | 7.3 | 11.5 |
| SSE | 1.3 | 2.2 | 3.0 | 2.9 | 1.3 | .4 | .3 | .1 | | | | 10.9 | 10.6 |
| S | 1.4 | 3.7 | 4.1 | 4.2 | 1.5 | .3 | .1 | | | | | 14.7 | 10.2 |
| 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 | 6.9 |
| NW | 1.3 | 2.2 | 2.4 | .8 | .1 | | | | | | | 6.8 | 6.7 |
| NNW | 2.0 | 2.6 | 1.9 | .8 | .2 | | | | | | | 7.6 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.4 | |
| | 12.8 | 21.4 | 24.8 | 16.2 | 4.7 | 1.2 | .4 | .1 | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 5761

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

2

# SURFACE WINDS

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

7 ...  CAPE NENENHAM AFS AK  73-82  JUL
STATION  STATION NAME  YEARS  MONTH

ALL WEATHER  0...-...
CLASS  HOURS (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 | .6 | .8 | .2 | .1 | | | | | | | | 1.7 | 4.6 |
| NNE | .3 | .6 | .2 | | | | | | | | | 1.2 | 4.5 |
| NE | .2 | .2 | .1 | | | | | | | | | .5 | 3.5 |
| ENE | .5 | 1.2 | .1 | | | | | | | | | 1.7 | 4.3 |
| E | 1.4 | .9 | 1.4 | .3 | | | | | | | | 4.1 | 5.3 |
| ESE | .6 | .9 | 1.6 | 1.5 | .7 | .3 | .2 | | | | | 5.7 | 12.7 |
| SE | .9 | 1.5 | 2.7 | 2.1 | .7 | .3 | | | | | | 8.2 | 10.3 |
| SSE | .6 | 1.5 | 2.4 | 2.3 | 1.3 | .5 | .1 | | | | | 8.7 | 11.3 |
| S | 1.2 | 1.7 | 3.5 | 4.5 | 1.3 | .6 | | | | | | 12.7 | 11.7 |
| SSW | .6 | 1.2 | 1.5 | .8 | .1 | | | | | | | 4.2 | 8.1 |
| SW | .7 | .5 | 1.5 | .7 | | | | | | | | 3.4 | 7.8 |
| WSW | .2 | .5 | 1.4 | .7 | | | | | | | | 2.8 | 8.8 |
| W | 1.2 | .5 | 2.6 | .6 | .1 | | | | | | | 5.3 | 7.3 |
| WNW | .8 | .9 | 1.3 | 1.6 | | | | | | | | 4.6 | 8.2 |
| NW | 1.3 | 1.3 | .7 | .6 | | | | | | | | 3.4 | 6.3 |
| NNW | .7 | .2 | 1.2 | .2 | | | | | | | | 2.2 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 29.5 | |
| | 11.6 | 14.5 | 22.3 | 15.9 | 3.9 | 2.3 | .3 | | | | | 100.3 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS  862

USAFETAC FORM ... PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 3900 — STATION
CAPE NEWENHAM AFS AK — STATION NAME
73-82 — YEARS
JUL — MONTH
ALL WEATHER — CLASS
0700-0900 — HOURS (LST)
CONDITION

| SPEED (KNTS) / DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | .3 | .4 | .3 | | | | | | | | 1.5 | 6.7 |
| NNE | .4 | .1 | | | | | | | | | | .5 | 2.3 |
| NE | .1 | .3 | .2 | | | | | | | | | .7 | 5.0 |
| ENE | .4 | .4 | .3 | | | | | | | | | 1.2 | 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 | | | | | 6.0 | 10.7 |
| SE | .8 | 1.3 | 1.3 | 2.5 | .8 | .1 | | | | | | 7.1 | 10.4 |
| SSE | 2.0 | 1.7 | 1.3 | 2.8 | 1.4 | .7 | | | | | | 9.9 | 10.4 |
| S | .9 | 2.5 | 4.5 | 4.1 | .9 | | | | | | | 12.4 | 7.9 |
| SSW | .4 | 1.2 | 1.7 | 1.5 | .1 | | | | | | | 5.0 | 8.8 |
| SW | .3 | .7 | 1.0 | 1.0 | | | | | | | | 2.9 | 8.5 |
| WSW | .3 | .7 | 1.1 | .4 | | | | | | | | 2.5 | 8.1 |
| W | .4 | 2.3 | 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 | 5.2 |
| NNW | .7 | .7 | .4 | | | | | | | | | 1.7 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.7 | |
| | 10.5 | 19.4 | 27.9 | 15.7 | 3.6 | 1.7 | .2 | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 1616

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 0600-1800

CLASS HOURS (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 | 1.5 | 1.5 | .3 | .2 | | | | | | | | 3.7 | 4.5 |
| NNE | .7 | .3 | .1 | | | | | | | | | 1.1 | 3.5 |
| NE | .1 | .5 | .1 | | | | | | | | | .3 | 4.3 |
| ENE | .3 | .2 | .3 | .1 | .1 | | | | | | | 1.1 | 7.4 |
| E | .8 | 2.3 | 1.1 | .4 | .3 | .1 | | | | | | 5.3 | 7.7 |
| ESE | .4 | 1.1 | 1.4 | 1.4 | .5 | .5 | | | | | | 5.5 | 11.5 |
| SE | .4 | .7 | 1.8 | 2.1 | .8 | .2 | | | | | | 6.2 | 11.3 |
| SSE | .7 | 1.4 | 2.1 | 1.7 | 1.1 | .7 | .1 | | | | | 7.7 | 11.3 |
| S | 1.1 | 1.8 | 4.7 | 4.6 | 1.1 | .1 | | | | | | 13.4 | 10.3 |
| SSW | .3 | 1.4 | 1.3 | .7 | .3 | | | | | | | 3.8 | 8.3 |
| SW | 1.3 | .7 | 1.3 | .4 | | .1 | | | | | | 3.5 | 7.2 |
| WSW | .7 | 1.3 | .9 | .4 | .1 | | | | | | | 3.4 | 6.7 |
| W | 1.3 | .8 | 2.2 | 1.2 | | | | | | | | 5.1 | 7.7 |
| WNW | 1.1 | 1.4 | 1.7 | .8 | | | | | | | | 5.3 | 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 | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.9 | |
| | 12.7 | 19.4 | 22.1 | 14.4 | 4.6 | 1.7 | .1 | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — STATION / STATION NAME

73-82 — YEARS

JUL — MONTH

ALL WEATHER — CLASS

[illegible] — HOURS (LST)

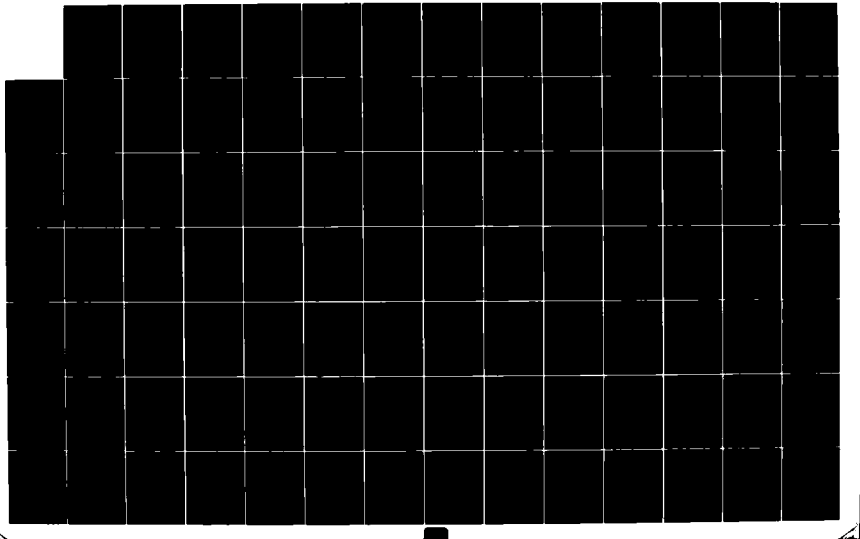
CONDITION

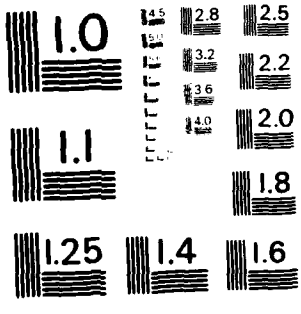
| KNOTS | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 3.7 | 2.6 | 1.3 | .1 | | | | | | | | 7.7 | 4.3 |
| NNE | .3 | 1.0 | | | | | | | | | | 1.3 | 3.3 |
| NE | .2 | .9 | .3 | | | | | | | | | 1.4 | 5.5 |
| ENE | .3 | .4 | .8 | .2 | .1 | | | | | | | 1.9 | 7.9 |
| E | | .5 | 1.1 | 1.0 | .5 | | | | | | | 3.0 | 10.5 |
| ESE | | .9 | 1.9 | 2.0 | .9 | .9 | | | | | | 5.4 | 13.3 |
| SE | .5 | .7 | 1.7 | 2.6 | 1.3 | .4 | | | | | | 7.3 | 12.3 |
| SSE | .2 | 1.1 | 2.3 | 1.6 | 1.0 | .9 | .2 | | | | | 7.3 | 12.8 |
| S | 1.2 | 2.2 | 4.8 | 4.8 | 1.1 | .5 | | | | | | 14.4 | 10.8 |
| SSW | .2 | 1.2 | 1.1 | 2.2 | .1 | | | | | | | 4.3 | 10.0 |
| SW | .3 | .9 | .5 | .8 | .1 | | | | | | | 2.5 | 8.2 |
| WSW | .3 | .4 | .3 | .3 | | | | | | | | 1.4 | 7.3 |
| W | .4 | 1.9 | 1.1 | 1.4 | | | | | | | | 4.5 | 8.2 |
| WNW | .7 | 1.2 | 2.5 | .9 | | | | | | | | 5.2 | 7.8 |
| NW | 2.3 | 3.1 | 2.2 | .9 | | | | | | | | 8.4 | 5.9 |
| NNW | 3.9 | 3.7 | 1.0 | .3 | | | | | | | | 8.9 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.3 | |
| | 14.5 | 22.4 | 22.9 | 19.1 | 4.9 | 2.7 | .2 | | | | | 100.[illegible] | 7.6 |

TOTAL NUMBER OF OBSERVATIONS [illegible]9[illegible]

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

UNCLASSIFIED USAFETAC/DS-83/019 SBI-AD-E850 397 F/G 4/2 NL






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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — JUL MONTH

ALL WEATHER CLASS — [illegible]-[illegible] HOURS 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 | 4.5 | 4.[illegible] | .4 | .3 | | | | | | | | [illegible].9 | [illegible] |
| NNE | .5 | 1.2 | | | | | | | | | | [illegible].7 | [illegible] |
| NE | .4 | .3 | .1 | .1 | | | | | | | | 1.[illegible] | 4.[illegible] |
| ENE | | | .1 | .5 | | | .2 | | | | | .[illegible] | 14.4 |
| E | | .4 | 1.[illegible] | .8 | .3 | .[illegible] | | | | | | [illegible].4 | 11.[illegible] |
| ESE | .1 | 1.[illegible] | .8 | [illegible].[illegible] | 1.1 | .[illegible] | .1 | | | | | 6.[illegible] | 12.[illegible] |
| SE | | 1.[illegible] | 2.[illegible] | 2.7 | .4 | .[illegible] | .2 | | | | | [illegible].[illegible] | 12.3 |
| SSE | .1 | 1.[illegible] | 3.2 | 2.5 | 1.5 | .4 | .4 | | | | | [illegible].1 | 12.9 |
| S | .5 | 2.2 | 3.[illegible] | 5.4 | 2.1 | .[illegible] | | .1 | | | | [illegible].4 | 11.8 |
| SSW | .1 | 1.3 | 1.2 | 1.[illegible] | .2 | | | | | | | 4.7 | [illegible].7 |
| SW | .1 | 1.[illegible] | .4 | .2 | | | | | | | | 1.7 | 8.4 |
| WSW | .1 | .[illegible] | .9 | .2 | | | | | | | | 1.[illegible] | 7.2 |
| W | .3 | 1.5 | 2.4 | 1.0 | | | | | | | | [illegible].2 | 7.9 |
| WNW | 1.4 | 1.2 | 3.0 | 1.4 | | | | | | | | 7.1 | 7.8 |
| NW | 2.5 | 3.5 | 2.4 | 1.[illegible] | | | | | | | | [illegible].3 | [illegible] |
| NNW | 2.4 | 3.5 | 2.3 | .7 | | | | | | | | [illegible].9 | [illegible] |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.6 | |
| | 13.2 | 24.5 | 24.8 | 22.7 | 5.7 | 1.6 | .9 | .1 | | | | [illegible]0.[illegible] | 8.4 |

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 7 0 0 7 | CAPE NEWENHAM AFS AK | 73-82 YEARS | JUL MONTH

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

CONDITION

| (TO) 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 | 3.1 | 3.1 | .6 | .1 | | | | | | | | 7.3 | 4.1 |
| NNE | .6 | 1.3 | | | | | | | | | | 1.9 | 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 | 8.1 |
| ESE | | .7 | 1.4 | 3.2 | .8 | .2 | | | | | | 6.1 | 12.8 |
| SE | .2 | .7 | 2.8 | 2.3 | 1.5 | .2 | | | | | | 7.4 | 12.3 |
| SSE | .2 | 1.5 | 2.4 | 2.5 | .2 | .8 | | | | | | 7.3 | 11.2 |
| S | | 2.3 | 5.3 | 5.6 | 1.4 | .7 | | | | | | 15.4 | 11.3 |
| SSW | .1 | .9 | 1.2 | 2.1 | .3 | | | | | | | 4.5 | 10.5 |
| SW | | .7 | .6 | .9 | | | | | | | | 2.2 | 8.9 |
| WSW | | .5 | 1.3 | .6 | .1 | | | | | | | 2.3 | 9.3 |
| W | .5 | 1.7 | 2.2 | .9 | | | | | | | | 5.1 | 7.4 |
| WNW | 1.2 | 2.4 | 3.3 | 1.6 | | | | | | | | 8.2 | 7.5 |
| NW | 2.7 | 3.4 | 4.1 | 1.4 | .3 | | | | | | | 11.9 | 6.9 |
| NNW | 2.4 | 4.5 | 1.2 | .6 | | | | | | | | 8.7 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.2 | |
| | 13.8 | 25.6 | 36.5 | 22.0 | 5.0 | 2.1 | | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 883

USAFETAC FORM 0-1 64 (OLD) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — JUL (MONTH)

ALL WEATHER (CLASS)

(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 | 2.1 | .4 | | .1 | | | | | | | 4.0 | 4.7 |
| NNE | 1.2 | 1.2 | | | | | | | | | | 2.4 | 3.5 |
| NE | .7 | .5 | | | | | | | | | | 1.2 | 3.1 |
| ENE | .1 | .6 | .3 | | | | | | | | | 1.0 | 5.4 |
| E | .4 | .4 | .9 | .6 | | | | | | | | 2.2 | 8.7 |
| ESE | .1 | .3 | 1.9 | 1.9 | | | | | | | | 4.3 | 10.7 |
| SE | | .9 | 4.1 | 2.4 | 1.1 | .7 | | | | | | 9.2 | 12.1 |
| SSE | .3 | 1.1 | 2.2 | 1.8 | 1.1 | .5 | | | | | | 7.0 | 11.9 |
| S | .3 | 2.7 | 5.3 | 5.8 | 1.6 | .4 | | | | | | 16.1 | 11.1 |
| SSW | .4 | .7 | 4.1 | 1.1 | .7 | | | | | | | 7.1 | 9.5 |
| SW | | | .6 | 1.5 | | | | | | | | 2.1 | 11.3 |
| WSW | .1 | .4 | .7 | .9 | | | | | | | | 2.2 | 9.4 |
| W | | 1.3 | 1.6 | 1.3 | .1 | | | | | | | 5.2 | 8.4 |
| WNW | .4 | 1.5 | 2.4 | 1.5 | .1 | | | | | | | 5.9 | 8.6 |
| 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 | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.7 | |
| | 10.1 | 19.1 | 28.4 | 20.1 | 4.9 | 1.8 | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 676

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK | 74-82 YEARS | JUL MONTH

ALL WEATHER CLASS | 1100-1300 HOURS L.S.T.

| DIR | 1 - 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 | | .1 | | | | | | | | .1 | 4.5 |
| NNE | .2 | .3 | .2 | | | | | | | | | .7 | 4.4 |
| NE | .7 | .5 | .2 | | | | | | | | | 1.5 | 4.1 |
| ENE | .5 | .7 | .6 | | | | | | | | | 1.2 | 5.4 |
| E | .4 | .7 | .8 | .1 | | | | | | | | 2.1 | 5.6 |
| ESE | .4 | 1.2 | 2.8 | 1.8 | .6 | .1 | | | | | | 6.5 | 10.3 |
| SE | .7 | 1.9 | 2.9 | 2.1 | .6 | | .1 | | | | | 8.2 | 9.7 |
| SSE | .1 | 1.5 | 3.7 | 2.8 | 1.7 | 1.3 | | | | | | 11.5 | 12.6 |
| S | .6 | 2.1 | 4.4 | 4.2 | 1.2 | 1.2 | | | | | | 13.2 | 11.1 |
| SSW | .4 | .7 | .9 | 1.3 | .1 | | | | | | | 3.5 | 7.3 |
| SW | .2 | .7 | 2.1 | 1.5 | | | | | | | | 4.3 | 7.4 |
| WSW | .3 | .4 | .4 | .7 | | | | | | | | 1.9 | 8.2 |
| W | .9 | .6 | 1.2 | .6 | | | | | | | | 3.2 | 7.2 |
| WNW | .4 | 1.2 | 1.6 | .9 | | | | | | | | 4.3 | 7.4 |
| NW | 1.8 | 1.6 | 1.2 | .9 | | | | | | | | 5.3 | 5.9 |
| NNW | .4 | 1.2 | .3 | .7 | | | | | | | | 2.8 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 8.2 | |
| | 9.2 | 15.9 | 22.9 | 17.6 | 3.7 | 2.5 | .1 | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 6[illegible]

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK 73-82 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL
CLASS HOURS (L.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 | 1.1 | 2.1 | .5 | .2 | .1 | | | | | | | 4.1 | 4.4 |
| NNE | .5 | .7 | .1 | | | | | | | | | 1.3 | 3.7 |
| NE | .3 | .5 | .2 | .1 | .1 | .1 | | | | | | 1.3 | 5.1 |
| ENE | .3 | .4 | .4 | .1 | .1 | | .1 | | | | | 1.3 | 7.1 |
| E | .5 | 1.2 | 1.1 | .5 | .1 | .1 | .1 | | | | | 3.4 | 8.7 |
| ESE | .3 | 1.1 | 1.7 | 2.1 | .7 | .4 | .1 | | | | | 6.4 | 11.1 |
| SE | .5 | 1.1 | 2.4 | 2.3 | .9 | .3 | .1 | | | | | 7.5 | 11.3 |
| SSE | .6 | 1.3 | 2.4 | 2.2 | 1.1 | .7 | .1 | | | | | 8.5 | 11.9 |
| S | .7 | 2.7 | 4.4 | 5.0 | 1.3 | .4 | | .1 | | | | 14.1 | 10.9 |
| SSW | .4 | 1.1 | 1.5 | 1.5 | .3 | | | | | | | 4.7 | 9.3 |
| SW | .4 | .6 | 1.2 | .8 | .2 | .1 | | | | | | 2.8 | 8.4 |
| WSW | .3 | .8 | .9 | .5 | .2 | | | | | | | 2.8 | 8.1 |
| W | .6 | 1.4 | 1.9 | .9 | .2 | | | | | | | 4.9 | 7.6 |
| WNW | .5 | 1.5 | 2.2 | 1.2 | .3 | | | | | | | 5.7 | 7.8 |
| NW | 1.7 | 2.4 | 1.9 | .8 | .3 | | | | | | | 6.9 | 6.7 |
| NNW | 1.8 | 2.3 | 1.2 | .4 | | | | | | | | 5.7 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.3 | |
| | 11.8 | 20.3 | 23.7 | 18.4 | 4.5 | 2.2 | .3 | .1 | | | | 100.3 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 9756

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

CAPE [illegible]ENHAM AFS AK | 73-82 YEARS | [illegible] MONTH

ALL WEATHER CLASS

[illegible] HOURS [illegible]

CONDITION

| | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .5 | .7 | .9 | .5 | | .2 | | | | | | 2.7 | 6.2 |
| NNE | .5 | .7 | .1 | | | | | | | | | .5 | 5.7 |
| NE | .3 | .2 | | | | | | | | | | .5 | 3.4 |
| ENE | .2 | .9 | .3 | .2 | | | | | | | | 1.7 | 5.1 |
| E | .9 | 2.1 | 1.3 | .3 | .2 | | | | | | | 4.3 | 5.4 |
| ESE | .7 | 2.5 | 1.7 | .8 | .5 | .5 | | | | | | 5.4 | 9.7 |
| SE | 1.9 | 1.8 | 1.9 | 2.8 | .9 | .7 | .2 | | | | | 10.2 | 11.2 |
| SSE | .8 | 2.1 | 1.7 | 4.5 | 1.2 | .2 | .2 | | | | | 7.9 | 11.7 |
| S | 1.0 | 3.3 | 3.3 | 4.3 | .9 | .7 | | | | | | 13.3 | 7.9 |
| SSW | .7 | 1.5 | 2.9 | 1.0 | .3 | | | | | | | 6.5 | 5.7 |
| SW | .5 | .3 | .3 | 1.0 | .5 | | | | | | | 2.7 | 10.4 |
| WSW | .8 | .9 | 1.3 | 1.4 | | | | | | | | 4.1 | 8.5 |
| W | .8 | .7 | 1.6 | .7 | .1 | | | | | | | 4.0 | 8.7 |
| WNW | .2 | .3 | 1.4 | .5 | | | | | | | | 2.4 | 8.3 |
| NW | .2 | 1.2 | 1.5 | .8 | | | | | | | | 3.6 | 8.7 |
| NNW | .8 | .9 | 1.3 | 1.7 | .2 | .2 | | | | | | 4.3 | 9.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.5 | |
| | 19.1 | 18.6 | 20.7 | 19.9 | 5.7 | 2.3 | .5 | | | | | 100.1 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 859

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

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

7 [illegible] CAPE NENENHAM AFS AK 73-82 AUG
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS (L.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 | .5 | .7 | 1.4 | .4 | .2 | .1 | | | | | | 3.4 | 5.8 |
| NNE | .5 | .7 | .1 | | | | | | | | | 1.3 | 4.2 |
| NE | .2 | .3 | | | | | | | | | | .7 | 3.4 |
| ENE | .2 | 1.1 | .2 | | | | | | | | | 1.5 | 4.5 |
| E | .8 | 1.9 | 1.4 | .2 | | | | | | | | 4.2 | 5.3 |
| ESE | 1.1 | 1.1 | 1.0 | 1.7 | .5 | .1 | .2 | | | | | 5.3 | 10.3 |
| SE | .8 | 2.3 | .9 | 3.2 | 1.4 | 1.3 | .5 | | | | | 10.3 | 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 | 9.2 |
| SW | .2 | .5 | 1.4 | 1.0 | .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 | 8.2 |
| WNW | .3 | .5 | .5 | .7 | | | | | | | | 2.1 | 7.8 |
| NW | .1 | 1.0 | 1.7 | .2 | | | | | | | | 3.1 | 7.6 |
| NNW | .2 | .8 | 1.5 | .9 | .1 | .7 | | | | | | 3.7 | 9.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.9 | |
| | 9.5 | 19.1 | 21.8 | 17.1 | 5.2 | 2.5 | 1.0 | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 918

USAFETAC FORM [illegible] [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — AU (MONTH)

ALL WEATHER (CLASS)

[illegible] (HOURS L.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 | .4 | .9 | 1.4 | .3 | .1 | .3 | | | | | | [illegible] | [illegible] |
| NNE | .4 | 1.4 | .3 | | | | | | | | | 2.2 | [illegible] |
| NE | .9 | .3 | | | | | | | | | | 1.2 | [illegible] |
| ENE | .3 | .5 | .3 | | | | | | | | | 1.2 | [illegible] |
| E | .9 | 1.0 | .9 | .3 | | | | | | | | 3.7 | [illegible] |
| ESE | .7 | 1.3 | 1.5 | 2.7 | 1.0 | | .1 | | | | | 7.3 | [illegible] |
| 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 | 8.8 |
| SW | .5 | 1.0 | 1.2 | .2 | .1 | .1 | | | | | | 3.1 | 7.5 |
| WSW | .2 | .5 | 1.8 | 1.0 | | | | | | | | 3.6 | 9.3 |
| W | .3 | 1.3 | 2.1 | 1.8 | | | | | | | | 5.5 | [illegible] |
| WNW | .3 | .7 | 1.0 | .7 | | | | | | | | 2.6 | 7.8 |
| NW | .3 | 1.0 | 1.5 | .9 | | | | | | | | 3.7 | [illegible] |
| NNW | .5 | .8 | 1.0 | .7 | | .2 | | | | | | 3.1 | 8.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.3 | |
| | 11.2 | 16.5 | 24.3 | 18.3 | 5.8 | 2.1 | .3 | .2 | | | | [illegible] | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 921

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — STATION NAME — 73-82 YEARS — [illegible] MONTH

ALL WEATHER — CLASS — [illegible] HOURS (LST)

CONDITION

| WIND 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 | 3.0 | 2.2 | .3 | .2 | .3 | | | | | | 9.1 | 6.9 |
| NNE | 1.3 | .7 | .3 | | | | | | | | | 2.5 | 3.7 |
| NE | .4 | .4 | .1 | | | | | | | | | 1.0 | 3.7 |
| ENE | .3 | .3 | .4 | | | | | | | | | 1.1 | 5.3 |
| E | .1 | 1.0 | 1.6 | .7 | | | | | | | | 3.4 | 8.2 |
| ESE | .2 | .3 | 2.0 | 2.5 | .9 | .1 | | | | | | 5.1 | 12.4 |
| SE | .2 | .7 | 2.5 | 2.7 | 1.2 | .2 | .3 | | | | | 8.6 | 13.5 |
| SSE | .5 | 1.1 | 3.6 | 3.7 | 1.5 | .5 | | | | | | 11.7 | 12.3 |
| S | 1.1 | 2.7 | 5.2 | 3.8 | 1.3 | .2 | | | | | | 14.7 | 9.6 |
| SSW | .2 | 1.1 | 2.1 | 1.6 | | | | | | | | 5.0 | 9.7 |
| SW | | 1.1 | .8 | .5 | .2 | | | | | | | 2.6 | 7.3 |
| WSW | .2 | .3 | 1.3 | 1.3 | .1 | | | | | | | 3.3 | 10.3 |
| W | .4 | .2 | 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 | 6.8 |
| NNW | 2.6 | 1.4 | 1.3 | .7 | .1 | | | | | | | 5.5 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.7 | |
| | 12.7 | 17.2 | 28.6 | 21.0 | 5.5 | 2.3 | .3 | | | | | 100.1 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS 921

USAFETAC [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

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

| 7[illegible]050 | CAPE NEWENHAM AFS AK | 73-82 | AUG |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

ALL WEATHER
CLASS

1200-1400
HOURS (L.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 | 4.5 | 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 | 5.6 |
| E | | .2 | 1.1 | .5 | | | | | | | | 1.8 | 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 | | | | | 9.2 | 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 | | | | | | 13.8 | 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 | | | | | | | 2.6 | 10.5 |
| W | .5 | .3 | 2.3 | 2.1 | | | | | | | | 5.2 | 9.5 |
| WNW | .4 | 1.1 | 2.0 | 1.3 | .3 | | | | | | | 5.1 | 9.1 |
| NW | 1.0 | 1.1 | 1.4 | 1.5 | .1 | | | | | | | 5.1 | 7.9 |
| NNW | 3.7 | 4.1 | 1.7 | .9 | .2 | .1 | | | | | | 10.7 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.1 | |
| | 13.5 | 20.2 | 27.3 | 25.0 | 6.6 | 2.1 | .3 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 921

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...RAL CLIMATOLOGY BRANCH
...AFETAC
...WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 5002 — STATION
CAPE NEWENHAM AFS AK — STATION NAME
73-82 — YEARS
A... — MONTH
ALL WEATHER — CLASS
...-17... — HOURS L.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 | 3.8 | 3.9 | 1.4 | .5 | .1 | .2 | .2 | | | | | ...1 | 5.8 |
| NNE | 1.7 | 1.0 | .1 | | | | | | | | | ...9 | 3.4 |
| NE | .2 | .2 | | | | | | | | | | .5 | 4.3 |
| ENE | | .2 | .3 | | | | | | | | | .6 | 6.7 |
| E | .2 | .6 | .5 | .6 | .1 | | | | | | | 1.9 | 5.3 |
| ESE | | | 1.3 | 1.7 | 1.4 | .3 | | | | | | 4.7 | 14.3 |
| SE | .3 | 1.2 | 2.2 | 3.7 | .5 | 1.7 | .2 | | | | | 9.8 | 14.7 |
| SSE | .5 | 1.5 | 3.4 | 3.7 | 1.5 | .8 | | | | | | 11.4 | 11.8 |
| S | .1 | 1.7 | 4.8 | 4.7 | 1.6 | .7 | | | | | | 13.5 | 11.2 |
| SSW | .2 | 1.7 | 2.3 | 1.3 | .9 | .3 | | | | | | 6.1 | 11.2 |
| SW | .2 | .6 | 1.1 | .8 | | | | | | | | 2.7 | 9.7 |
| WSW | .1 | .5 | 1.6 | .7 | .1 | .1 | | | | | | 3.2 | 9.8 |
| W | .1 | 1.6 | 2.2 | 1.7 | | .1 | | | | | | 5.7 | 9.2 |
| WNW | .6 | 1.1 | 1.8 | 1.6 | .2 | | | | | | | 5.4 | 8.7 |
| NW | 2.3 | 1.7 | 2.5 | 1.7 | .2 | | | | | | | 8.5 | 7.4 |
| NNW | 3.8 | 2.9 | 2.1 | 1.1 | .2 | .1 | | | | | | 10.2 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.1 | |
| | 14.2 | 19.7 | 27.6 | 23.0 | 7.0 | 4.3 | .5 | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 574

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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# SURFACE WINDS

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

3 3060 CAPE NEWENHAM AFS AK 73-74,76-82 ALL

STATION STATION NAME YEARS MONTH

ALL WEATHER 00-23

CLASS HOURS (L.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 | 3.1 | 2.9 | 1.3 | .4 | | .5 | | | | | | 7.3 | 5.1 |
| NNE | .5 | .5 | | | | | | | | | | 1.2 | 4.7 |
| NE | .5 | .4 | | | | | | | | | | .9 | 3.7 |
| ENE | | .5 | | | | | | | | | | .5 | 5.1 |
| E | | .3 | 1.0 | .3 | | | | | | | | 1.5 | 8.9 |
| ESE | .5 | .5 | 1.7 | 1.5 | 1.3 | .5 | | | | | | 5.9 | 11.1 |
| SE | | .9 | 2.4 | 2.7 | .9 | 1.3 | .1 | | | | | 8.1 | 13.0 |
| SSE | .4 | 1.5 | 3.1 | 4.5 | .9 | .6 | .3 | | | | | 11.3 | 12.0 |
| S | .5 | 1.7 | 4.7 | 3.2 | 1.3 | .1 | .1 | | | | | 11.5 | 10.8 |
| SSW | .3 | 1.5 | 2.2 | 1.9 | .8 | .4 | | | | | | 7.1 | 10.8 |
| SW | .1 | .5 | .8 | .8 | | | | | | | | 2.2 | 9.1 |
| WSW | | .9 | 1.8 | .5 | | | | | | | | 3.2 | 5.8 |
| W | .8 | 2.4 | 2.0 | 1.3 | .1 | | | | | | | 6.7 | 7.3 |
| WNW | 1.0 | 1.9 | 1.4 | .8 | | | | | | | | 5.0 | 6.6 |
| NW | .8 | 1.4 | 1.8 | 1.3 | | | | | | | | 5.2 | 7.9 |
| NNW | 2.0 | 1.3 | 1.3 | 1.5 | .3 | .1 | | | | | | 7.0 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.2 | |
| | 10.6 | 19.6 | 25.5 | 20.6 | 5.1 | 3.8 | .5 | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NENENHAM AFS AK | 73-82 YEARS | AUG MONTH

ALL WEATHER CLASS | 0100-2300 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 | .7 | 1.9 | .8 | .7 | | .3 | | | | | | 4.4 | 7.6 |
| NNE | .3 | .1 | | | | | | | | | | .4 | 7.3 |
| NE | .3 | .5 | | | | | | | | | | .8 | 7.5 |
| ENE | .7 | .1 | .1 | | | | | | | | | 1.7 | 5.3 |
| E | 1.1 | .5 | 1.2 | .3 | .1 | | | | | | | 3.3 | 6.7 |
| ESE | | 1.7 | 1.7 | 1.4 | .4 | .1 | | | | | | 5.3 | 11.5 |
| SE | 1.0 | 1.8 | 2.3 | 2.4 | 1.3 | .4 | .4 | | | | | 11.1 | 12.1 |
| SSE | 1.5 | 2.7 | 2.9 | 2.9 | 1.5 | .1 | .3 | .1 | | | | 12.0 | 11.6 |
| S | 1.2 | 2.2 | 3.5 | 4.1 | 1.6 | .1 | | | | | | 12.7 | 10.3 |
| SSW | .4 | 1.1 | 2.6 | 1.8 | .1 | .1 | | | | | | 6.1 | 9.6 |
| SW | .2 | .4 | .7 | 1.4 | .1 | | | | | | | 2.9 | 10.3 |
| WSW | .5 | .5 | .7 | .7 | .1 | | | | | | | 2.5 | 8.4 |
| W | 1.0 | 1.2 | 2.2 | 1.0 | .4 | | | | | | | 5.7 | 7.9 |
| WNW | 1.1 | .4 | .4 | 1.1 | | | | | | | | 3.0 | 7.2 |
| NW | .1 | 1.2 | 1.1 | 1.2 | .1 | | | | | | | 3.3 | 8.1 |
| NNW | .5 | .4 | 1.5 | 1.4 | .1 | .5 | | | | | | 4.3 | 11.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.7 | |
| | 13.6 | 16.3 | 31.2 | 27.1 | 6.5 | 1.8 | .7 | .1 | | | | 100.3 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 735

USAFETAC FORM [illegible]

...SAL CLIMATOLOGY BRANCH
...AFLTAC
... WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

... CAPE NEWENHAM AFS AK | 73-82 | ALL
STATION | STATION NAME | YEARS | MONTH

ALL WEATHER | ALL
CLASS | HOURS (L.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 SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 2.1 | 2.3 | 1.4 | .4 | .1 | .1 | .1 | | | | | 6.5 | 6.5 |
| NNE | .9 | .5 | .2 | | | | | | | | | 1.7 | 4.2 |
| NE | .4 | .2 | .1 | | | | | | | | | .8 | 3.7 |
| ENE | .2 | .5 | .3 | .1 | | | | | | | | 1.2 | 5.4 |
| E | .5 | 1.1 | 1.1 | .4 | .1 | | | | | | | 3.1 | 7.2 |
| ESE | .4 | .3 | 1.5 | 1.9 | .8 | .2 | .1 | | | | | 5.8 | 11.8 |
| SE | .7 | 1.3 | 2.1 | 3.1 | 1.2 | 1.1 | .3 | .1 | | | | 9.7 | 12.9 |
| SSE | .3 | 1.1 | 2.7 | 3.5 | 1.4 | .5 | .1 | .1 | | | | 10.3 | 11.7 |
| S | 1.1 | 2.3 | 4.3 | 3.8 | 1.2 | .2 | .2 | | | | | 12.8 | 10.2 |
| SSW | .4 | 1.2 | 2.2 | 1.5 | .4 | .1 | | | | | | 5.8 | 9.5 |
| SW | .2 | .5 | 1.0 | .7 | .1 | .1 | | | | | | 2.7 | 9.5 |
| WSW | .2 | .6 | 1.5 | .9 | .1 | .2 | | | | | | 3.3 | 9.3 |
| W | .5 | 1.3 | 2.1 | 1.6 | .1 | .1 | | | | | | 5.6 | 8.6 |
| WNW | .3 | .9 | 1.3 | .9 | .1 | | | | | | | 3.6 | 8.1 |
| NW | .3 | 1.2 | 1.7 | 1.1 | .1 | | | | | | | 4.5 | 7.7 |
| NNW | 1.3 | 1.7 | 1.4 | 1.1 | .2 | .1 | | | | | | 5.2 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.5 | |
| | 11.6 | 18.4 | 24.7 | 20.9 | 5.8 | 2.6 | .5 | .1 | | | | 1[illegible].2 | 6.[illegible] |

TOTAL NUMBER OF OBSERVATIONS 5529

...STARTAT 1 RM
...04 ...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 [illegible] WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 — SEP
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 03?-?03
CLASS — HOURS (L.S.T.)

CONDITION

| (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 | .5 | 1.? | 2.6 | 4.5 | 1.7 | .? | | | | | | 11.2 | 12.? |
| NNE | .1 | .6 | .6 | .7 | .3 | | | | | | | 2.2 | 9.7 |
| NE | .4 | .3 | .2 | .1 | | | | | | | | 1.? | ?.? |
| ENE | .1 | .3 | .2 | .1 | | | | | | | | .? | 7.1 |
| E | 1.5 | 2.? | 1.2 | .8 | | | | | | | | ?.? | 8.3 |
| ESE | 1.? | 1.? | 1.7 | 1.3 | .2 | .? | .1 | | | | | ?.6 | ?.? |
| SE | 1.2 | 1.5 | 1.7 | 2.1 | .3 | .? | | | | | | 7.1 | ?.2 |
| SSE | .8 | 1.7 | 2.4 | 2.? | .6 | .6 | | | | | | 8.? | 10.5 |
| S | .4 | 1.3 | 4.? | 3.7 | 1.? | .4 | .3 | | | | | 11.3 | 11.6 |
| SSW | .4 | .? | 1.9 | .7 | .? | | | | | | | 4.6 | 10.1 |
| SW | .2 | .7 | 1.? | .3 | .2 | .2 | | | | | | 2.7 | 10.2 |
| WSW | .2 | .5 | 1.8 | .6 | | | | | | | | ?.? | 8.8 |
| W | .6 | .6 | 2.7 | 1.5 | .2 | | | | | | | 5.6 | ?.2 |
| WNW | .2 | .6 | 1.3 | 1.? | | | | | | | | ?.1 | ?.5 |
| NW | .4 | .? | 1.8 | 1.7 | .2 | | | | | | | 4.9 | ?.8 |
| NNW | .1 | 1.1 | 2.5 | ?.9 | 1.2 | .5 | .1 | .1 | | | | ?.6 | 12.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.3 | |
| | ?.4 | 15.2 | 27.4 | 25.? | 6.8 | 3.1 | .6 | .1 | | | | 1??.? | ?.? |

TOTAL NUMBER OF OBSERVATIONS 892

USAFETAC FORM [illegible] PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

25052 CAPE NEWENHAM AFS AK 73-82 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-2300
CLASS HOURS (LST)

CONDITION

| WIND DIRECTION (KNOTS) | 1 - 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 | | | | | | 12.1 | 12.4 |
| NNE | | .7 | .9 | .9 | | | | | | | | 2.5 | 8.7 |
| NE | 1.0 | .5 | .1 | .2 | .1 | | | | | | | 1.8 | 5.3 |
| ENE | .7 | .5 | .3 | .1 | | | | | | | | 1.7 | 4.7 |
| E | 1.5 | 2.2 | 1.0 | .7 | | .1 | | | | | | 5.4 | 6.5 |
| ESE | .7 | 1.4 | 2.2 | 1.2 | .3 | | | | | | | 5.4 | 9.3 |
| SE | .9 | 1.5 | 1.3 | 2.4 | .4 | | | | | | | 5.4 | 9.7 |
| SSE | .9 | 2.4 | 2.2 | 1.7 | .7 | .4 | .1 | | | | | 8.9 | 9.8 |
| S | 1.1 | 1.2 | 3.5 | 3.8 | 1.7 | .2 | | | | | | 11.5 | 10.9 |
| SSW | .1 | .4 | 1.1 | 1.5 | .8 | .1 | | | | | | 4.1 | 12.6 |
| SW | .1 | .2 | .7 | .1 | .2 | .1 | | | | | | 1.5 | 9.9 |
| WSW | .1 | 1.3 | 1.0 | .4 | .2 | | | | | | | 3.1 | 8.3 |
| W | .3 | .2 | 3.1 | 1.5 | .2 | | | | | | | 5.3 | 9.6 |
| WNW | | .3 | 1.0 | 1.2 | .2 | | | | | | | 3.7 | 10.4 |
| NW | .3 | .7 | 1.3 | 1.8 | .2 | | | | | | | 4.1 | 9.5 |
| NNW | .4 | .7 | 1.7 | 3.1 | 1.0 | .3 | | | | | | 7.7 | 12.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.9 | |
| | 8.6 | 16.5 | 24.6 | 26.9 | 8.2 | 2.2 | .1 | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

PABC — STATION
CAPE NEWENHAM AFS AK — STATION NAME
73-82 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
0600-1200 — HOURS L.S.T.
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 | 1.7 | 4.9 | 4.9 | 2.1 | .7 | | | | | | 14.4 | 11.7 |
| NNE | .6 | .9 | .7 | 1.0 | | | | | | | | 3.1 | 7.5 |
| NE | .1 | .8 | .2 | | | | | | | | | .1 | 5.3 |
| ENE | 1.1 | .3 | .2 | .4 | | | | | | | | 2.1 | 5.6 |
| E | 1.2 | 1.5 | 1.9 | .3 | .2 | .1 | | | | | | 5.3 | 8.9 |
| ESE | 1.0 | 1.2 | 1.3 | 1.2 | .3 | | | | | | | 5.0 | 8.5 |
| 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 | | | | | 9.4 | 12.3 |
| S | .5 | 1.8 | 2.1 | 3.2 | 1.3 | .1 | .1 | | | | | 9.3 | 11.4 |
| SSW | .1 | 1.1 | 1.7 | 1.7 | .2 | | | | | | | 4.7 | 10.3 |
| SW | | .4 | .9 | .7 | .6 | | | | | | | 2.6 | 11.3 |
| WSW | | 1.1 | 1.9 | .2 | .2 | | | | | | | 3.4 | 8.5 |
| W | .3 | 1.2 | 2.6 | .4 | .1 | | | | | | | 4.7 | 8.0 |
| WNW | .1 | .6 | 1.1 | .9 | .6 | | | | | | | 3.2 | 12.4 |
| NW | | .6 | 1.5 | 1.3 | .2 | | | | | | | 3.6 | 12.2 |
| NNW | .3 | .2 | 2.3 | 3.7 | 1.1 | .7 | | | | | | 7.9 | 13.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.9 | |
| | 8.3 | 16.4 | 26.4 | 24.9 | 8.8 | 2.1 | .2 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 894

USAFETAC FORM 0-9 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

2

# SURFACE WINDS

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

...  CAPE NEWENHAM AFS, AK  73-81  ...

ALL WEATHER

| ... | ... | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 56+ | ... | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | 2.7 | 1.7 | 5.1 | 4.5 | 2.1 | 1.7 | | | | | | 7.5 | 7.1 |
| ... | .8 | 1.1 | .7 | .5 | .1 | | | | | | | 2.1 | 7.5 |
| NE | .2 | .3 | .2 | .2 | | | | | | | | 1.4 | 7.2 |
| ... | .2 | .7 | .7 | .3 | | | | | | | | 1.9 | 7.7 |
| ... | .7 | 1.6 | 2.3 | .8 | | .1 | | | | | | 5.1 | 7.5 |
| ... | .8 | .2 | .9 | 1.3 | .8 | | | | | | | 3.7 | 10.7 |
| ... | .2 | .2 | 1.3 | 1.8 | .3 | .8 | .1 | | | | | 5.1 | 11.7 |
| ... | .1 | .7 | 2.6 | 3.6 | 1.2 | .7 | | | | | | 8.3 | 12.3 |
| S | .1 | 1.3 | 2.2 | 3.5 | 1.2 | .2 | | | | | | 8.4 | 12.1 |
| ... | .7 | .6 | 1.8 | 1.9 | .5 | .2 | | | | | | 5.7 | 11.3 |
| ... | .1 | 1.2 | 1.2 | 1.1 | .2 | .1 | | | | | | 3.8 | 9.5 |
| ... | .2 | .2 | 1.6 | .9 | .2 | | | | | | | 3.8 | 8.7 |
| ... | .2 | 1.2 | 1.2 | 1.3 | .1 | | | | | | | 4.6 | 8.7 |
| ... | .8 | .6 | .8 | .7 | .4 | | | | | | | 3.3 | 9.5 |
| NW | .2 | .3 | 1.4 | .9 | .2 | | | | | | | 4.3 | 8.4 |
| ... | .8 | 1.8 | 3.5 | 3.6 | 1.2 | | | | | | | 11.0 | 10.5 |
| ... | - | - | - | - | - | - | - | - | - | - | - | 0.0 | |
| ... | - | - | - | - | - | - | - | - | - | - | - | 0.0 | |
| | 8.8 | 15.6 | 43.5 | 35.6 | 8.6 | 2.2 | .1 | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 898

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

# SURFACE WINDS

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

... CAPE NEWENHAM AFS AK — 77-82 — ... — 1200-1400
STATION — STATION NAME — YEARS — MONTH — HOURS (LST)

ALL WEATHER
CLASS

CONDITION

| DIRECTION (TENS OF DEGREES) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | - | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 2.5 | 2.7 | 5.3 | 5.7 | 2.5 | .4 | | | | | | 19.4 | 7.5 |
| NNE | 1.7 | .5 | .9 | .7 | .3 | | | | | | | 4.4 | 6.5 |
| NE | .7 | .6 | .5 | .1 | .1 | | | | | | | 1.3 | 7.5 |
| ENE | | .7 | 1.2 | .4 | | | | | | | | 2.3 | 7.7 |
| E | .4 | 1.7 | 1.9 | 1.1 | | | | | | | | 4.4 | 9.5 |
| ESE | .5 | .9 | 1.5 | 1.8 | .3 | | .1 | | | | | 4.7 | 10.7 |
| SE | .1 | .3 | 1.2 | 1.2 | .5 | .1 | .1 | .1 | | | | 4.7 | 13.4 |
| SSE | | .7 | 2.2 | 3.1 | .7 | .3 | .1 | | | | | 6.4 | 12.2 |
| S | .3 | 1.5 | 3.4 | 4.5 | 1.7 | | | | | | | 11.5 | 11.9 |
| SSW | .1 | .5 | 2.9 | 7.1 | .5 | .7 | | | | | | 6.9 | 11.4 |
| SW | .2 | .7 | .9 | .3 | .1 | .1 | | | | | | 1.9 | 9.7 |
| WSW | | 1.1 | 1.6 | .9 | .9 | | | | | | | 3.5 | 9.4 |
| W | .1 | 1.1 | 2.3 | 1.7 | .7 | .1 | | | | | | 5.7 | 11.5 |
| WNW | .3 | .9 | 1.6 | 1.2 | .4 | | | | | | | 4.5 | 9.8 |
| NW | 1.7 | 1.7 | 2.5 | 1.3 | .2 | | | | | | | 6.4 | 6.3 |
| NNW | .7 | 2.1 | 2.6 | 4.6 | 1.5 | | | | | | | 11.5 | 10.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.9 | |
| | 9.7 | 15.6 | 32.1 | 37.5 | 8.9 | 1.7 | .3 | .1 | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 705 — STATION
CAPE NEWENHAM AFS AK — STATION NAME
73-82 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
0300-1700 — HOURS L.S.T.
CONDITION

| GROUP WAVE (KTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 3.0 | 2.5 | 4.3 | 3.1 | 3.2 | 1.5 | .1 | | | | | 17.7 | 11.5 |
| NNE | .6 | .5 | .5 | .4 | | | | | | | | 1.9 | 7.9 |
| NE | .2 | .5 | .2 | .2 | | | | | | | | 1.2 | 8.3 |
| ENE | .4 | .3 | .8 | .2 | .1 | | | | | | | 1.8 | 7.5 |
| E | .5 | .7 | 1.9 | 1.4 | | | | | | | | 4.3 | 8.1 |
| ESE | | .3 | .9 | .4 | .2 | | | | | | | 2.7 | 12.3 |
| SE | .1 | .2 | 1.2 | 1.2 | .5 | .1 | .1 | | | | | 3.4 | 12.3 |
| SSE | | .4 | 2.5 | 3.4 | .6 | | .1 | | | | | 7.2 | 12.2 |
| S | .2 | .3 | 3.5 | 4.2 | 1.3 | .1 | | | | | | 11.1 | 11.5 |
| SSW | .1 | .4 | 2.2 | 2.2 | .9 | .1 | | | | | | 5.8 | 12.5 |
| SW | | .2 | 1.2 | .7 | .2 | | | | | | | 2.3 | 10.2 |
| WSW | | .3 | 2.0 | .4 | .1 | | .1 | | | | | 3.4 | 9.7 |
| W | .2 | 1.3 | 2.3 | 2.0 | .1 | .1 | | | | | | 5.5 | 9.5 |
| WNW | .2 | .7 | 2.7 | 1.5 | .1 | .4 | .1 | | | | | 5.8 | 11.3 |
| NW | 1.4 | 1.2 | 2.1 | 2.1 | .1 | | | | | | | 7.1 | 8.3 |
| NNW | 1.3 | 3.1 | 3.9 | 4.1 | 2.2 | .2 | | | | | | 14.5 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.5 | |
| | 7.4 | 15.4 | 32.2 | 27.8 | 9.5 | 2.6 | .6 | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 851

CL NAL CLIMATOLOGY BRANCH
USAFETAC
2 WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 [illegible] CAPE NENENHAM AFS AK 73-75,77-82 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS 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 | 1.1 | 1.5 | 2.9 | 3.9 | 4.? | 1.7 | | | | | | 15.? | 13.1 |
| NNE | .1 | .7 | .5 | .4 | .1 | .1 | | | | | | 2.1 | 9.3 |
| NE | .3 | .4 | .4 | .6 | | | | | | | | 1.7 | 7.8 |
| ENE | .5 | .4 | | | | | | | | | | 1.? | 5.4 |
| E | .7 | 1.? | .7 | .6 | | | | | | | | 2.9 | 7.? |
| ESE | .1 | 1.1 | 1.5 | 1.9 | .3 | | | | | | | 5.? | 17.1 |
| SE | .3 | .5 | 1.1 | 1.4 | .5 | | | | | | | 4.4 | 9.6 |
| SSE | .4 | 1.5 | 2.1 | 2.8 | .6 | | .1 | | | | | 7.5 | 10.3 |
| S | .8 | 1.5 | 2.2 | 3.1 | .7 | .3 | .1 | | | | | 8.7 | 10.7 |
| SSW | .3 | 1.2 | 1.? | .8 | .8 | .1 | | | | | | 4.3 | 10.5 |
| SW | .1 | .4 | 1.4 | .8 | .7 | | | | | | | 3.? | 11.3 |
| WSW | .4 | 1.? | 1.7 | .7 | .4 | | | | | | | 4.2 | 9.1 |
| W | .4 | 2.3 | 3.1 | 1.5 | .7 | .1 | | | | | | 8.6 | 9.? |
| WNW | .3 | .7 | 1.8 | 1.7 | | .1 | | | | | | 4.6 | 9.7 |
| NW | .3 | .7 | 2.5 | 1.? | | .3 | | | | | | 4.7 | 9.3 |
| NNW | .1 | 1.? | 3.5 | 3.1 | 1.9 | .3 | .3 | | | | | ?1.? | 12.? |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 6.9 | 17.6 | 26.4 | 24.2 | 11.1 | 3.1 | .6 | | | | | 1??.? | 9.6 |

TOTAL NUMBER OF OBSERVATIONS 7??

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK 73-82 [illegible]
STATION STATION NAME YEARS MONTH

ALL WEATHER 0100-2300
CLASS HOURS (LST)

FUNCTION

| 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 | .5 | 3.0 | 4.6 | 2.3 | 2.1 | | | | | | 12.5 | 14.5 |
| NNE | .1 | 1.3 | 1.5 | .5 | .1 | | | | | | | 3.1 | 8.3 |
| NE | .8 | .5 | .4 | .1 | | | | | | | | 1.7 | 5.3 |
| ENE | .5 | .7 | .1 | | | | | | | | | 1.3 | 4.2 |
| E | 1.9 | .8 | 1.2 | .5 | .1 | | | | | | | 4.5 | 6.4 |
| ESE | .9 | 1.3 | 1.2 | 1.2 | .4 | .5 | | | | | | 5.4 | 10.2 |
| SE | .8 | 1.0 | 1.7 | 2.6 | .5 | .1 | | | | | | 6.4 | 10.2 |
| SSE | .5 | 2.7 | 1.5 | 2.2 | .1 | .1 | .1 | | | | | 7.5 | 9.1 |
| S | .8 | 1.2 | 2.3 | 3.0 | .9 | .3 | .5 | | | | | 9.0 | 12.4 |
| SSW | .5 | 1.2 | 2.3 | 1.2 | .3 | .4 | | | | | | 5.7 | 9.3 |
| SW | .3 | .9 | 1.2 | .6 | .3 | .1 | | | | | | 3.3 | 9.2 |
| WSW | .1 | .2 | 1.3 | .8 | | | | | | | | 3.1 | 8.5 |
| 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 | 1.9 | .3 | | .3 | | | | 7.1 | 15.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.6 | |
| | 9.3 | 16.7 | 24.3 | 24.2 | 7.5 | 4.4 | .9 | .3 | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 778

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — STATION / STATION NAME

73-82 — YEARS

FEB — MONTH

ALL WEATHER — CLASS

ALL — HOURS L.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 | .2 | 1.6 | 3.9 | 4.4 | 2.5 | 1.1 | .1 | | | | | 15.7 | 12.1 |
| NNE | .4 | .8 | .7 | .6 | .1 | .1 | | | | | | 2.7 | 8.3 |
| NE | .4 | .9 | .3 | .2 | .1 | | | | | | | 1.4 | 6.2 |
| ENE | .4 | .5 | .4 | .2 | .1 | | | | | | | 1.5 | 6.5 |
| E | 1.0 | 1.4 | 1.5 | .7 | .3 | .1 | | | | | | 4.9 | 7.1 |
| ESE | .5 | 1.1 | 1.4 | 1.4 | .4 | .1 | .0 | | | | | 4.9 | 9.8 |
| SE | .7 | .9 | 1.4 | 1.9 | .5 | .2 | .1 | .1 | | | | 5.6 | 10.3 |
| SSE | .5 | 1.6 | 2.2 | 2.7 | .7 | .3 | .1 | | | | | 8.1 | 11.1 |
| S | .5 | 1.3 | 2.9 | 3.6 | 1.2 | .2 | .1 | | | | | 9.9 | 11.3 |
| SSW | .3 | .8 | 1.8 | 1.5 | .6 | .1 | | | | | | 5.1 | 11.1 |
| SW | .1 | .6 | 1.0 | .6 | .3 | .1 | | | | | | 2.7 | 10.1 |
| WSW | .1 | .0 | 1.5 | .6 | .2 | | .0 | | | | | 2.4 | 9.1 |
| W | .3 | 1.3 | 2.6 | 1.4 | .3 | .1 | | | | | | 6.1 | 9.2 |
| WNW | .3 | .6 | 1.4 | 1.2 | .2 | .1 | .1 | | | | | 3.9 | 9.9 |
| NW | .5 | .9 | 1.8 | 1.4 | .2 | .1 | .0 | | | | | 5.1 | 9.3 |
| NNW | .5 | 1.3 | 2.7 | 3.6 | 1.4 | .4 | .0 | .0 | | | | 10.0 | 11.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.9 | |
| | 8.1 | 16.1 | 27.8 | 26.3 | 8.6 | 2.7 | .4 | .1 | | | | 100.1 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS 6822

USAFETAC FORM 0-9 (OL-A) [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 [illegible]
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS (LST)

CONDITION

| WIND DIR / WIND SPEED (KNOTS) | 1 - 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 | | | | | [illegible] | 14.[illegible] |
| NNE | .4 | 1.[illegible] | 2.7 | 2.3 | .8 | .7 | .2 | | | | | 5.6 | 11.3 |
| NE | 1.1 | 2.1 | 1.3 | .1 | | | | | | | | 4.3 | [illegible].4 |
| ENE | .3 | .4 | .6 | .6 | .1 | | | | | | | 2.0 | 8.2 |
| E | .9 | 2.2 | 1.8 | .8 | .1 | .3 | | | | | | 5.1 | 7.8 |
| ESE | .7 | .8 | 2.5 | 2.1 | 1.0 | .4 | .1 | | | | | 7.6 | 11.5 |
| SE | .4 | 1.2 | .9 | 1.9 | .6 | | .3 | | | | | 5.3 | 11.4 |
| SSE | .7 | 1.7 | 1.4 | 1.9 | .6 | .1 | | | | | | 5.3 | 9.5 |
| S | .4 | 1.[illegible] | 2.1 | 3.0 | .9 | .3 | | | | | | 7.7 | 11.6 |
| SSW | | 1.[illegible] | 1.3 | 1.5 | .8 | | | | | | | 5.[illegible] | 10.9 |
| SW | | .[illegible] | .6 | .8 | .4 | | | | | | | [illegible].[illegible] | 12.6 |
| WSW | .1 | | .6 | .3 | | | | | | | | 1.[illegible] | 9.3 |
| W | | .6 | .6 | .7 | .3 | | | | | | | 2.1 | 11.2 |
| WNW | .2 | .3 | .7 | 1.2 | .2 | .2 | | | | | | 3.3 | 10.5 |
| NW | | 1.7 | .7 | 1.2 | .3 | .2 | .1 | | | | | 4.[illegible] | 10.7 |
| NNW | | .[illegible] | 1.9 | 2.8 | 2.[illegible] | 1.0 | .2 | | | | | 9.1 | 14.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.7 | |
| | 5.5 | 17.6 | 23.4 | 28.0 | 12.3 | 5.4 | 1.1 | | | | | [illegible].[illegible] | 10.7 |

TOTAL NUMBER OF OBSERVATIONS [illegible]5

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK 73-83 [illegible]
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS (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 | .2 | 1.2 | 5.2 | 7.8 | 4.9 | 1.4 | .2 | | | | | 20.9 | 11.6 |
| NNE | .4 | 1.3 | 2.4 | 1.9 | 1.3 | .3 | .2 | .1 | | | | 7.5 | 11.5 |
| NE | .2 | 1.7 | .4 | .6 | .1 | | | | | | | 2.3 | 9.1 |
| ENE | .3 | 1.3 | .4 | .2 | | | | | | | | 2.3 | 8.7 |
| E | .7 | 1.7 | 2.8 | .9 | .2 | .3 | | | | | | 6.5 | 8.9 |
| ESE | .2 | .3 | 2.3 | 2.4 | 1.1 | .4 | .1 | | | | | 7.7 | 12.5 |
| SE | .9 | .9 | 1.6 | 1.8 | 1.2 | .2 | | | | | | 6.6 | 11.1 |
| SSE | .6 | 2.7 | 1.1 | 2.1 | .4 | .7 | | | | | | 7.6 | 10.1 |
| S | .4 | 1.4 | 2.1 | 2.6 | .9 | .1 | .1 | | | | | 7.7 | 11.3 |
| SSW | | .5 | 1.5 | .3 | .3 | | | | | | | 2.6 | 9.1 |
| SW | .1 | .9 | .4 | .1 | .1 | .1 | | | | | | 1.8 | 8.7 |
| WSW | .4 | .5 | .4 | .9 | .1 | | .2 | | | | | 2.7 | 10.6 |
| W | .3 | .5 | .9 | 1.0 | .3 | | | | | | | 3.1 | 9.5 |
| WNW | .2 | .7 | .6 | .8 | | .3 | | | | | | 2.6 | 9.6 |
| NW | .2 | .7 | 1.4 | 1.2 | .2 | .1 | .1 | | | | | 4.3 | 10.3 |
| NNW | .1 | .2 | .5 | 3.0 | 2.7 | 1.3 | | | | | | 8.1 | 15.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.2 | |
| | 5.4 | 16.2 | 24.6 | 27.6 | 13.7 | 5.4 | 1.0 | .1 | | | | 100.0 | 10.9 |

TOTAL NUMBER OF OBSERVATIONS 920

USAFETAC FORM JUL 84 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — STATION NAME
73-82 — YEARS
OCT — MONTH
ALL WEATHER — CLASS
0600-0800 — HOURS (L.S.T.)
CONDITION

| SPEED (KTS) / DIR | 1 - 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 | 1.7 | 1.1 | .1 | | | | | 1.2 | 15.4 |
| NNE | .1 | 1.3 | 2.0 | 1.9 | 1.0 | .2 | | .3 | | | | 6.8 | 12.5 |
| NE | .1 | .6 | .7 | .7 | .1 | | | | | | | 2.1 | 9.1 |
| ENE | .6 | .7 | 1.2 | .6 | | | | | | | | 3.0 | 7.3 |
| E | .8 | 1.3 | 2.9 | 2.0 | .3 | .1 | | | | | | 7.8 | 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 | | | | | | 5.9 | 12.5 |
| SSE | .6 | 1.3 | .9 | 2.3 | .9 | .2 | | | | | | 6.5 | 12.9 |
| S | .3 | 1.4 | 1.1 | 2.5 | .7 | .2 | | | | | | 6.7 | 12.8 |
| SSW | .4 | 1.0 | .8 | 1.7 | .4 | | | | | | | 4.3 | 9.9 |
| SW | .2 | .9 | .4 | .4 | | .1 | | | | | | 2.1 | 8.4 |
| WSW | | .5 | .6 | .6 | | .2 | .1 | | | | | 2.2 | 12.1 |
| W | .7 | | .3 | 1.1 | .2 | | | | | | | 2.3 | 10.6 |
| WNW | | .7 | 1.0 | 1.0 | | | .1 | | | | | 2.8 | 10.2 |
| 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 | | | | | | 8.8 | 15.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.9 | |
| | 5.4 | 14.4 | 21.6 | 32.7 | 13.0 | 5.0 | .9 | .3 | | | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 929

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

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

# SURFACE WINDS

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

... CAPE NEWENHAM AF ... AK | 73-82 | ...

YEARS

ALL WEATHER

CLASS

... | MONTH | ...-11 | ...

HOURS ...

| DIR | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 2.[illegible] | 5.[illegible] | 1.[illegible] | 4.5 | 1.[illegible] | | | | | [illegible] | [illegible] |
| NNE | .7 | 1.[illegible] | 1.[illegible] | 1.[illegible] | .7 | .[illegible] | | .3 | | | [illegible].5 | 12.1 |
| NE | .4 | .[illegible] | 1.[illegible] | .3 | | | | | | | [illegible].1 | [illegible].3 |
| ENE | .7 | | .[illegible] | .2 | | | | | | | 1.1 | [illegible].1 |
| E | .2 | 1.[illegible] | 3.1 | 2.[illegible] | .1 | .[illegible] | | | | | [illegible].3 | [illegible].1 |
| ESE | .[illegible] | .[illegible] | 1.[illegible] | 2.[illegible] | .7 | 1.2 | .1 | | | | [illegible].1 | [illegible].1 |
| SE | .[illegible] | .[illegible] | 1.[illegible] | 2.[illegible] | 1.2 | .1 | .[illegible] | | | | [illegible].1 | 13.[illegible] |
| SSE | .[illegible] | 1.[illegible] | 1.[illegible] | [illegible].[illegible] | 1.[illegible] | .3 | | | | | [illegible].3 | 12.[illegible] |
| S | .[illegible] | 1.[illegible] | 1.4 | 1.7 | 1.2 | .1 | | | | | [illegible].3 | 11.[illegible] |
| SSW | .[illegible] | .[illegible] | .[illegible] | 1.7 | .[illegible] | | | | | | [illegible].[illegible] | 12.[illegible] |
| SW | .3 | .[illegible] | .[illegible] | .[illegible] | .7 | .1 | | | | | [illegible].3 | 13.[illegible] |
| WSW | .2 | .[illegible] | .[illegible] | .4 | .1 | | | | | | 1.5 | [illegible].7 |
| W | .7 | .7 | 1.[illegible] | 1.2 | .3 | | | | | | 3.4 | 12.[illegible] |
| WNW | .[illegible] | 1.[illegible] | .[illegible] | .[illegible] | .2 | .1 | | | | | [illegible].9 | [illegible].7 |
| NW | .4 | .3 | .[illegible] | .[illegible] | .3 | .4 | .1 | | | | 3.4 | 12.[illegible] |
| NNW | .[illegible] | .4 | 1.[illegible] | 3.5 | 1.[illegible] | 1.2 | | | | | [illegible].[illegible] | 14.1 |
| VARBL | | | | | | | | | | | | |
| CALM | | | | | | | | | | | [illegible].[illegible] | |
| | 6.[illegible] | 12.[illegible] | 21.5 | 37.5 | 12.1 | 6.2 | .4 | .3 | | | [illegible].[illegible] | 11.[illegible] |

TOTAL NUMBER OF OBSERVATIONS [illegible]7

USAFETAC ... PM ...

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

# SURFACE WINDS

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

... CAPE NEWENHAM AFS, AK — 73-82 — ...
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 1100-1400
CLASS — HOURS (LST)

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 | 1.0 | 2.5 | 4.7 | 10.0 | 4.5 | 1.5 | .3 | | | | | 24.5 | 12.6 |
| NNE | .2 | 2.3 | 1.4 | 2.0 | .6 | .4 | .3 | | | | | 7.5 | 11.4 |
| NE | .1 | .5 | .6 | .3 | | | | | | | | 1.3 | 7.4 |
| ENE | .1 | .1 | .3 | .2 | | | | | | | | .3 | 5.1 |
| E | .1 | 1.1 | .9 | 2.2 | .1 | .2 | .3 | | | | | 5.7 | 12.4 |
| ESE | | .4 | 1.2 | 3.2 | .9 | .4 | .4 | | | | | 6.5 | 14.7 |
| SE | .1 | .5 | .7 | 3.4 | 1.2 | .5 | .1 | | | | | 6.2 | 14.9 |
| SSE | .2 | .7 | 1.1 | 2.6 | .9 | .2 | | | | | | 5.7 | 12.7 |
| S | | .7 | 3.0 | 2.4 | 1.2 | .4 | | | | | | 7.7 | 12.5 |
| SSW | .2 | 1.2 | 1.2 | 1.2 | .1 | | | | | | | 3.5 | 9.3 |
| SW | | .3 | .6 | .1 | .2 | .2 | | | | | | 1.3 | 13.1 |
| WSW | | .6 | .8 | .3 | .1 | .1 | | | | | | 1.9 | 9.9 |
| W | | .7 | 1.5 | 1.2 | .2 | | | | | | | 3.8 | 10.1 |
| WNW | | .3 | .4 | .7 | .1 | | | | | | | 1.5 | 10.9 |
| NW | .2 | .7 | 1.3 | 1.4 | .4 | .2 | .1 | | | | | 3.8 | 11.2 |
| NNW | .2 | 1.3 | 1.4 | 5.6 | 2.4 | .5 | .2 | | | | | 12.7 | 13.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.5 | |
| | 4.3 | 13.3 | 21.1 | 36.7 | 13.3 | 5.4 | 1.9 | | | | | 100.0 | 11.5 |

TOTAL NUMBER OF OBSERVATIONS — 7...9

...FORM ...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 OCT
STATION STATION NAME YEARS MONTH

ALL WEATHER 19[illegible]-[illegible]
CLASS HOURS (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 | 1.2 | 2.5 | 5.9 | 11.3 | 3.9 | 1.6 | .2 | .1 | | | | 6.2 | 1[illegible].9 |
| NNE | .4 | 1.0 | 2.3 | .9 | .4 | .4 | .7 | .1 | | | | 5.5 | 13.7 |
| NE | .1 | .2 | .4 | .1 | | | | | | | | .9 | 8.4 |
| ENE | .2 | .4 | .8 | .5 | | | | | | | | 1.9 | 8.5 |
| E | | 1.0 | 2.3 | 1.2 | .4 | | | | | | | 4.9 | 9.4 |
| ESE | | 1.[illegible] | .7 | 1.7 | 1.2 | .4 | .5 | .1 | | | | 5.8 | 15.5 |
| SE | | .5 | 1.[illegible] | 1.8 | .7 | .5 | | | | | | 4.5 | 12.3 |
| SSE | | .7 | 1.7 | 2.1 | .7 | .5 | | | | | | 5.7 | 13.1 |
| S | .4 | .8 | 1.8 | 3.7 | .5 | .5 | | | | | | 7.6 | 12.6 |
| SSW | | .8 | 1.7 | .4 | .5 | .2 | | | | | | 3.4 | 11.6 |
| SW | | .7 | .2 | 1.[illegible] | .2 | | | | | | | 2.2 | 13.4 |
| WSW | | .7 | .6 | .2 | .1 | | | | | | | 1.2 | 10.7 |
| W | .1 | .5 | 1.5 | 1.5 | | | | | | | | 3.9 | 9.2 |
| WNW | .4 | .4 | .2 | .9 | .1 | .1 | | | | | | 2.1 | 13.6 |
| NW | .4 | .5 | 2.0 | 1.7 | .1 | | .1 | | | | | 4.9 | 10.1 |
| NNW | .5 | .4 | 2.2 | 5.4 | 2.3 | 1.2 | .2 | | | | | 13.4 | 14.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.3 | |
| | 3.7 | 11.3 | 24.1 | 35.3 | 11.3 | 5.5 | 2.3 | .4 | | | | [illegible]3.3 | 11.7 |

TOTAL NUMBER OF OBSERVATIONS 516

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

2

# SURFACE WINDS

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

...9500 CAPE NEWENHAM AFS AK | 73-74,77-82 YEARS | OCT MONTH

ALL WEATHER CLASS | ...-... HOURS

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 | | ...7 | 5.3 | 4.4 | 3.4 | 7.1 | | | | | | 2.2 | 13.1 |
| NNE | .5 | 1.3 | 3.7 | 1.8 | .3 | 1.1 | .5 | | | | | 8.5 | 12.7 |
| NE | .3 | 1.2 | .1 | .1 | | | | | | | | 1.8 | 4.7 |
| ENE | .4 | .4 | .8 | .5 | .1 | | | | | | | 2.3 | 5.7 |
| E | 1.1 | 1.5 | .8 | .8 | .1 | .1 | | | | | | 4.3 | 7.8 |
| ESE | .5 | .7 | 1.5 | 2.8 | .7 | .5 | .8 | | | | | 7.5 | 14.7 |
| SE | .1 | .7 | .7 | 2.4 | 1.1 | .7 | .1 | | | | | 5.3 | 14.5 |
| SSE | .1 | 1.1 | .5 | 1.3 | .4 | .1 | | | | | | 3.5 | 11.1 |
| S | .2 | 1.1 | 2.0 | 2.8 | .7 | .5 | .1 | | | | | 7.5 | 12.7 |
| SSW | .3 | .2 | 1.2 | .4 | .7 | .1 | | | | | | 2.5 | 10.1 |
| SW | .1 | 1.1 | .2 | .9 | | .2 | | | | | | 3.1 | 9.5 |
| WSW | .2 | .4 | .3 | .3 | .1 | | | | | | | 1.3 | 8.2 |
| W | .1 | .4 | .3 | .5 | | | | | | | | 1.9 | 8.9 |
| WNW | .2 | .7 | .8 | .9 | .1 | | | | | | | 2.7 | 10.2 |
| NW | .2 | 1.1 | 1.2 | 2.4 | .1 | .1 | .1 | | | | | 5.3 | 11.1 |
| NNW | .2 | .2 | 1.8 | 3.9 | 2.8 | 1.7 | .3 | .4 | | | | 11.2 | 15.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.3 | |
| | 4.2 | 15.2 | 21.4 | 31.5 | 13.6 | 6.7 | 2.2 | .4 | | | | 100.3 | 11.4 |

TOTAL NUMBER OF OBSERVATIONS 742

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — STATION NUMBER / STATION NAME

73-82 — YEARS

OCT — MONTH

ALL WEATHER — CLASS

0100-2200 — HOURS (L.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 | 3.6 | 7.2 | 3.6 | 1.3 | .3 | .1 | | | | 17.3 | 14.3 |
| NNE | .4 | 1.6 | 3.3 | 1.8 | .6 | 1.3 | .4 | | | | | 9.4 | 12.4 |
| NE | .6 | 1.6 | .3 | | | | | | | | | 2.5 | 5.2 |
| ENE | .9 | .3 | .0 | .4 | | | | | | | | 1.5 | 5.4 |
| E | .9 | 1.5 | 2.4 | .8 | .4 | .1 | | | | | | 5.6 | 9.1 |
| ESE | .6 | .9 | 1.1 | 1.9 | .1 | .4 | .3 | | | | | 5.2 | 11.6 |
| SE | .6 | 1.1 | .9 | 2.4 | 1.4 | .3 | .6 | | | | | 7.4 | 13.4 |
| SSE | .3 | 1.9 | 1.7 | 1.6 | .7 | .4 | | | | | | 5.4 | 12.3 |
| S | .6 | 1.7 | 2.7 | 1.9 | 1.4 | .3 | .1 | | | | | 7.7 | 11.5 |
| SSW | | .4 | 2.2 | 1.5 | .3 | .1 | | | | | | 4.3 | 10.8 |
| SW | .1 | .2 | 1.1 | .4 | .1 | | .2 | | | | | 2.3 | 10.5 |
| WSW | .1 | .4 | .3 | .4 | | | | | | | | 1.1 | 8.1 |
| W | .3 | .4 | 1.1 | .8 | .1 | | | | | | | 2.7 | 8.8 |
| WNW | | .2 | .5 | 1.4 | .4 | | | | | | | 2.3 | 10.7 |
| NW | .3 | .2 | 1.5 | 1.6 | .6 | .4 | | | | | | 4.9 | 12.1 |
| NNW | .1 | .2 | 2.2 | 3.2 | 2.2 | 1.2 | .3 | | | | | 9.1 | 14.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.4 | |
| | 5.2 | 16.1 | 23.6 | 27.1 | 11.3 | 5.4 | 2.2 | .1 | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 782

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

1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

| STATION | CAPE NEWENHAM AFS AK | 73-82 | OCT |
|---|---|---|---|
| | STATION NAME | YEARS | MONTH |
| | ALL WEATHER | | ALL |
| | CLASS | | HOURS (LST) |

CONDITION

| 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 | .5 | 1.9 | 4.7 | 4.9 | 4.1 | 1.6 | .2 | .1 | | | | 17.5 | 13.4 |
| NNE | .3 | 1.5 | 2.2 | 1.8 | .6 | .5 | .3 | .1 | | | | 7.5 | 12.3 |
| NE | .4 | .9 | .6 | .3 | .1 | | | | | | | 2.2 | 8.8 |
| ENE | .4 | .5 | .7 | .4 | .1 | | | | | | | 2.3 | 7.3 |
| E | .6 | 1.5 | 2.1 | 1.4 | .5 | .2 | .1 | | | | | 5.2 | 9.5 |
| ESE | .2 | .6 | 1.5 | 2.4 | .9 | .6 | .3 | .1 | | | | 6.7 | 13.5 |
| SE | .4 | .7 | 1.0 | 2.3 | 1.1 | .4 | .2 | | | | | 6.0 | 13.3 |
| SSE | .3 | 1.4 | 1.1 | 2.1 | .7 | .3 | | | | | | 5.7 | 11.2 |
| S | .5 | 1.1 | 1.9 | 2.5 | .9 | .3 | .1 | | | | | 7.4 | 11.7 |
| SSW | .2 | .4 | 1.3 | 1.1 | .4 | .1 | | | | | | 3.7 | 10.5 |
| SW | .1 | .7 | .6 | .5 | .2 | .1 | .1 | | | | | 2.2 | 10.3 |
| WSW | .1 | .4 | .5 | .5 | .1 | .1 | .1 | | | | | 1.8 | 10.1 |
| W | .2 | .5 | 1.1 | 1.1 | .2 | | | | | | | 2.7 | 9.9 |
| WNW | .2 | .7 | .8 | .9 | .1 | .1 | .1 | | | | | 2.8 | 10.2 |
| NW | .3 | .7 | 1.3 | 1.5 | .3 | .2 | .1 | | | | | 4.4 | 11.3 |
| NNW | .3 | .5 | 1.5 | 3.9 | 2.4 | 1.1 | .1 | .1 | | | | 10.1 | 14.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.5 | |
| | 5.2 | 14.6 | 22.7 | 31.6 | 12.2 | 5.6 | 1.4 | .2 | | | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 5577

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 NOV

STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]

CLASS HOURS (LST)

CONDITION

| DIRECTION FROM WHICH WIND BLOWS | 1 - 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 | .2 | | | | | 13.8 | 14.5 |
| NNE | .5 | 1.7 | 1.5 | 2.3 | 1.1 | | | | | | | 6.1 | 12.7 |
| NE | .6 | 1.4 | | .6 | .2 | | | | | | | 2.7 | 7.2 |
| ENE | .3 | .6 | .2 | .8 | | | | | | | | 1.9 | 5.6 |
| E | .5 | 1.7 | 1.0 | 1.6 | .7 | .1 | | | | | | 4.9 | 10.7 |
| ESE | .2 | .7 | 1.3 | 4.4 | 1.9 | 1.3 | .3 | .3 | | | | 10.2 | 15.5 |
| SE | .6 | .5 | 1.7 | 2.5 | .9 | 1.4 | .8 | .8 | | | | 8.4 | 17.5 |
| SSE | .5 | 2.6 | 1.0 | 1.9 | 1.1 | 1.2 | .9 | | | | | 9.3 | 13.3 |
| S | .6 | 1.9 | 1.9 | 3.8 | 1.5 | .8 | .5 | | | | | 11.4 | 13.3 |
| SSW | .7 | 1.7 | 1.4 | 1.5 | .1 | .3 | .2 | | | | | 5.5 | 10.5 |
| SW | .2 | .3 | 1.1 | .6 | .3 | .1 | | | | | | 2.7 | 10.7 |
| WSW | .1 | .3 | .7 | .3 | | | | | | | | 1.5 | 5.7 |
| W | .2 | .3 | .5 | .8 | .7 | .2 | | | | | | 2.6 | 11.6 |
| WNW | | .2 | .2 | .9 | | | | | | | | 1.4 | 11.9 |
| NW | .2 | .1 | .9 | .7 | .3 | .5 | | | | | | 2.6 | 13.7 |
| NNW | .1 | .1 | .7 | 1.5 | 1.7 | 1.8 | .1 | | | | | 6.3 | 16.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.1 | |
| | 5.8 | 13.7 | 15.5 | 29.7 | 12.5 | 9.0 | 3.1 | 1.1 | | | | 100.0 | 12.1 |

TOTAL NUMBER OF OBSERVATIONS 679

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 3010 CAPE NEWENHAM AFS AK | 73-82 YEARS | NOV MONTH

ALL WEATHER CLASS | 0000-2300 HOURS LST

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 | .7 | 1.6 | 1.5 | 3.4 | 2.5 | 1.6 | .1 | | | | | 10.7 | 14.2 |
| NNE | .1 | .7 | 1.1 | 1.9 | 1.3 | .7 | | | | | | 5.2 | 12.7 |
| NE | .3 | .6 | .8 | .3 | .2 | | | | | | | 2.1 | 7.7 |
| ENE | .5 | .7 | .5 | .1 | | | | | | | | 1.7 | 5.7 |
| E | 1.4 | 1.5 | 1.9 | 1.7 | .7 | | | | | | | 7.2 | 9.7 |
| ESE | 1.1 | .7 | 1.1 | 3.7 | 1.9 | 1.0 | .2 | .5 | .1 | | | 11.7 | 15.4 |
| SE | .3 | .7 | 1.1 | 1.8 | .8 | 1.1 | 1.1 | .8 | .1 | | | 8.1 | 15.5 |
| SSE | .7 | 1.3 | .8 | 1.5 | .5 | 1.7 | .1 | .2 | .1 | | | 6.3 | 13.5 |
| S | .5 | .7 | 3.1 | 3.8 | 2.2 | 1.7 | .1 | .1 | | | | 11.3 | 13.4 |
| SSW | .2 | 1.4 | 1.9 | 1.0 | .6 | .7 | .1 | | | | | 5.3 | 11.3 |
| SW | .1 | .5 | .5 | 1.1 | .1 | | | | | | | 2.3 | 10.4 |
| WSW | .7 | .5 | .9 | .5 | .2 | | | | | | | 2.3 | 9.7 |
| W | .5 | .7 | .7 | .5 | | | | | | | | 2.1 | 7.3 |
| WNW | | .7 | .6 | .3 | | | | | | | | 1.3 | 9.4 |
| NW | .3 | .5 | .6 | 1.2 | .7 | .1 | | | | | | 3.3 | 11.6 |
| NNW | .1 | .7 | .7 | 1.8 | 1.4 | 1.7 | .2 | | | | | 6.6 | 15.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.6 | |
| | 7.5 | 13.2 | 17.6 | 25.4 | 13.0 | 9.7 | 2.1 | 1.6 | .3 | | | 100.0 | 11.8 |

TOTAL NUMBER OF OBSERVATIONS 876

USAFETAC FORM [illegible] PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

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

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK 73-82 NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS LST

CONDITION

| OBSERVED 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 | 1.4 | 1.6 | 4.4 | 2.3 | 1.4 | .8 | | | | | 14.6 | 14.1 |
| NNE | .7 | 1.5 | 1.8 | 2.7 | .8 | | | | | | | 7.5 | 17.2 |
| NE | .3 | .9 | .7 | .3 | .1 | .1 | | | | | | 2.5 | 8.7 |
| ENE | .1 | .3 | .3 | .1 | | | | | | | | .7 | 6.8 |
| E | .5 | .8 | 1.7 | 1.7 | .6 | | | | | | | 5.3 | 11.2 |
| ESE | .3 | .6 | 1.3 | 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 | | | | 8.2 | 17.9 |
| SSE | .5 | 1.8 | 1.4 | .9 | 1.2 | .8 | .1 | .5 | | | | 7.1 | 13.3 |
| S | .3 | 2.7 | 1.8 | 4.3 | 2.3 | .9 | .3 | | | | | 12.3 | 13.3 |
| SSW | .5 | .5 | 1.3 | 1.8 | 1.1 | .7 | | | | | | 5.3 | 12.4 |
| SW | .1 | .3 | .7 | .5 | .7 | | | | | | | 2.3 | 11.1 |
| WSW | | .7 | .5 | .7 | | .1 | | | | | | 1.8 | 8.8 |
| W | .3 | .5 | .5 | .5 | | | | | | | | 1.7 | 7.6 |
| WNW | .3 | .3 | .2 | .1 | .1 | | | | | | | 1.1 | 7.2 |
| NW | .3 | .5 | .3 | .5 | .7 | .2 | | | | | | 2.5 | 11.5 |
| NNW | .2 | .8 | .9 | 3.1 | 1.2 | .9 | .2 | | | | | 7.2 | 14.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.8 | |
| | 6.2 | 14.2 | 15.6 | 25.7 | 12.8 | 8.1 | 3.7 | 1.6 | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 98

CLASS 1 PM
64 [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK 77-82 NOV
STATION NUMBER STATION NAME YEARS MONTH

ALL WEATHER 00Z-24Z
CLASS HOURS

CONDITION

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | .2 | 1.0 | 3.1 | 4.5 | 2.[illegible] | 1.7 | .1 | | | | | 12.[illegible] | 14.1 |
| ENE | .2 | 1.4 | 2.4 | 1.5 | .8 | | | | | | | 6.3 | 9.3 |
| NE | 1.[illegible] | .5 | .5 | .3 | .1 | | | | | | | 2.5 | 5.9 |
| ENE | .3 | .8 | .7 | .2 | | | | | | | | 1.8 | 8.3 |
| E | .3 | 1.8 | 2.1 | 3.8 | .7 | .2 | | | | | | 9.0 | 11.4 |
| ESE | .1 | 1.1 | 1.7 | 3.7 | 1.1 | 1.3 | 1.5 | .3 | | | | 11.4 | 17.2 |
| SE | .5 | .3 | 1.2 | 1.5 | .8 | 1.5 | .5 | 1.1 | .2 | | | 7.7 | 19.5 |
| SSE | .6 | 1.4 | 1.5 | 1.8 | 1.[illegible] | .8 | .7 | .3 | | .1 | | 8.1 | 15.1 |
| S | .3 | 1.2 | 1.7 | 4.2 | 1.5 | 1.3 | .5 | | | | | 10.4 | 13.7 |
| SSW | | .5 | 1.4 | 1.9 | | | .1 | | | | | 3.8 | 11.4 |
| SW | .2 | .5 | .3 | .1 | | | | | | | | 1.1 | 6.4 |
| WSW | .3 | .5 | .3 | .1 | .1 | | | | | | | 1.4 | 7.1 |
| W | .2 | .5 | .6 | .5 | .1 | .1 | | | | | | 2.0 | 9.[illegible] |
| 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 | .2 | .1 | .7 | 2.1 | 1.[illegible] | 1.6 | .1 | | | | | 5.9 | 16.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.6 | |
| | 5.2 | 12.0 | 18.8 | 27.9 | 9.9 | 8.9 | 3.5 | 1.8 | .2 | .1 | | 1[illegible].[illegible] | 12.[illegible] |

TOTAL NUMBER OF OBSERVATIONS 385

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — STATION / STATION NAME

73-82 — YEARS

NOV — MONTH

ALL WEATHER — CLASS

[illegible]-[illegible] — HOURS L.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 | .8 | 1.4 | 3.3 | 4.2 | 2.8 | .6 | .2 | | | | | 13.3 | 10.1 |
| NNE | .7 | .9 | 1.1 | 1.9 | .3 | .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 | 10.7 |
| ESE | .5 | .5 | 1.6 | 4.9 | 1.6 | 1.7 | .9 | 1.0 | | | | 12.8 | 17.5 |
| SE | .3 | .1 | .7 | .5 | .7 | 1.5 | .8 | .5 | .1 | | | 5.9 | 15.5 |
| SSE | .7 | 1.0 | 1.8 | 1.8 | 1.5 | 1.0 | .3 | .1 | .1 | | | 8.9 | 14.2 |
| S | .7 | 1.1 | 2.3 | 3.1 | 1.5 | .9 | .6 | .1 | | | | 10.2 | 13.7 |
| SSW | .2 | .3 | .7 | 1.4 | .1 | | | | | | | 2.8 | 10.7 |
| SW | .1 | .5 | .6 | .1 | | | | | | | | 1.2 | 7.2 |
| WSW | | .2 | | .3 | .1 | | | | | | | .9 | 9.5 |
| W | .1 | .5 | .8 | .3 | | | | .2 | | | | 1.8 | 11.7 |
| WNW | .8 | | | .7 | .3 | | .1 | | | | | 1.7 | 11.5 |
| NW | | .2 | 1.2 | 2.7 | .3 | .2 | .1 | | | | | 4.2 | 12.8 |
| NNW | .2 | .3 | .8 | 1.2 | 1.1 | 1.4 | .7 | | | | | 6.2 | 15.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.5 | |
| | 7.3 | 10.1 | 18.2 | 26.9 | 11.9 | 8.2 | 3.7 | 2.0 | .2 | | | 100.0 | 12.1 |

TOTAL NUMBER OF OBSERVATIONS 68

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE [illegible]

1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SUPFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 — NOV

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — [illegible]-17[illegible]

CLASS — HOURS (L.S.T.)

CONDITION

| DIRECTION FROM WHICH WIND BLOWS | 1 - 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.[illegible] | 14.2 |
| NNE | .8 | 1.4 | 1.3 | 1.9 | .5 | | | | | | | 5.7 | 9.7 |
| NE | .9 | .5 | .4 | .8 | .1 | | | | | | | 2.7 | 7.[illegible] |
| ENE | .5 | .9 | .1 | .4 | | | | | | | | 1.9 | 5.[illegible] |
| E | 1.0 | 1.9 | 1.3 | 2.8 | .6 | | | | | | | 7.6 | 9.7 |
| ESE | .5 | .5 | 1.5 | 3.8 | 1.8 | 1.1 | .5 | .5 | .1 | | | 10.5 | 15.5 |
| SE | .4 | .3 | .9 | 2.0 | 1.4 | 1.1 | 1.1 | .6 | | | | 7.9 | 19.2 |
| SSE | .9 | 1.6 | .4 | 1.6 | 1.5 | 1.0 | .8 | .4 | | | | 8.2 | 15.6 |
| S | .6 | 1.3 | 2.2 | 3.7 | 1.5 | .4 | .8 | | | | | 9.8 | 17.2 |
| SSW | .8 | .4 | 1.3 | .9 | 1.7 | .1 | .1 | | | | | 4.[illegible] | 11.8 |
| SW | .1 | .4 | .5 | .1 | .3 | | | | | | | 1.4 | 9.5 |
| WSW | .1 | .1 | .5 | .2 | .1 | | | | | | | 1.1 | 10.[illegible] |
| W | .3 | .6 | .4 | .5 | .1 | | .1 | .1 | | | | [illegible].2 | 11.3 |
| WNW | .1 | .1 | .8 | .6 | .1 | | .1 | | | | | 1.9 | 12.[illegible] |
| NW | | .3 | .8 | 1.5 | .5 | | | | | | | 3.[illegible] | 12.8 |
| NNW | .1 | .4 | 1.[illegible] | 1.8 | 1.8 | 1.3 | .5 | | | | | 6.[illegible] | 15.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.2 | |
| | 7.6 | 12.7 | 15.5 | 25.7 | 14.6 | 6.5 | 4.6 | 1.6 | .1 | | | 100.[illegible] | 12.[illegible] |

TOTAL NUMBER OF OBSERVATIONS 78[illegible]

USAFETAC FORM [illegible]
OCT 64 [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-75,77-82 NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS (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 | .3 | 1.1 | 1.8 | 4.5 | 2.5 | 1.4 | .4 | | | | | 11.5 | 14.5 |
| NNE | .8 | 2.5 | 1.1 | 1.6 | .5 | | | | | | | 6.5 | 8.8 |
| NE | .1 | .8 | | .5 | .1 | | | | | | | 1.6 | 7.2 |
| ENE | .1 | 1.1 | .8 | .4 | | | | | | | | 2.3 | 8.7 |
| E | .3 | 2.5 | 2.7 | 2.6 | .4 | .1 | | | | | | 8.2 | 9.4 |
| ESE | .7 | .5 | .8 | 2.6 | 2.2 | 1.2 | .7 | .3 | .3 | | | 8.9 | 11.8 |
| SE | .5 | 1.1 | 1.2 | 1.4 | 1.9 | 2.2 | 1.4 | .3 | | | | 9.5 | 10.3 |
| SSE | 1.2 | 2.0 | .7 | 1.9 | .5 | 1.4 | .5 | | | | | 8.2 | 12.1 |
| S | .5 | 1.5 | 1.9 | 4.2 | .8 | .7 | .5 | .3 | | | | 10.4 | 13.1 |
| SSW | .3 | .7 | 1.1 | 1.5 | 1.7 | .3 | .1 | | | | | 4.7 | 12.9 |
| SW | | .3 | 1.0 | .5 | .3 | .1 | | | | | | 2.7 | 10.2 |
| WSW | .1 | .5 | 1.0 | .7 | .3 | | | | | | | 2.6 | 10.2 |
| W | | .7 | .3 | .4 | .3 | .5 | .1 | | | | | 2.3 | 14.2 |
| WNW | | .7 | .5 | .3 | .3 | | | | | | | 1.3 | 9.1 |
| NW | | .5 | .5 | .5 | .5 | .5 | | | | | | 2.7 | 14.6 |
| NNW | 1.7 | .5 | .8 | 1.6 | 1.1 | 1.4 | .4 | | | | | 6.5 | 12.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.5 | |
| | 6.1 | 17.5 | 15.7 | 25.3 | 12.7 | 9.8 | 4.2 | .8 | .3 | | | 100.1 | 12.4 |

TOTAL NUMBER OF OBSERVATIONS 772

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — NOV MONTH

ALL WEATHER CLASS — [illegible] HOURS L.S.T.

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 | 2.2 | 2.2 | 4.4 | 2.6 | 1.1 | .4 | | | | | 14.0 | [illegible] |
| NNE | .1 | 1.2 | 2.3 | 1.5 | .7 | | | | | | | 5.5 | [illegible] |
| NE | .1 | .7 | .1 | .5 | .1 | | | | | | | 1.6 | [illegible] |
| ENE | .3 | .3 | | .1 | .1 | | | | | | | 1.2 | [illegible] |
| E | .9 | 1.3 | 1.1 | 2.3 | .7 | | | | | | | 6.3 | [illegible] |
| ESE | .3 | .4 | 1.3 | 4.6 | 1.7 | 1.2 | .4 | .4 | | | | 10.3 | [illegible] |
| SE | .7 | .4 | .9 | 2.0 | .7 | .4 | 1.5 | 1.1 | | | | 8.1 | [illegible] |
| SSE | .9 | 1.3 | .8 | 1.8 | .8 | 1.3 | .5 | | | | | 7.5 | [illegible] |
| S | .4 | 1.5 | 2.3 | 3.6 | 1.9 | 1.3 | .5 | | | | | 11.5 | [illegible] |
| SSW | .3 | .7 | 1.5 | 1.9 | .5 | .7 | .1 | | | | | 5.7 | [illegible] |
| SW | .1 | .7 | .5 | .7 | .4 | | | | | | | 2.7 | [illegible] |
| WSW | .1 | .3 | .8 | .9 | .3 | | | | | | | 2.4 | [illegible] |
| W | .3 | .7 | .5 | .7 | .5 | .3 | .1 | | | | | 3.4 | [illegible] |
| WNW | | .3 | .4 | | | | | | | | | .7 | [illegible] |
| NW | | .3 | .5 | .5 | .5 | .4 | | | | | | 2.3 | [illegible] |
| NNW | .3 | .7 | .7 | 1.3 | 2.0 | 1.7 | .3 | | | | | 7.0 | [illegible] |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.3 | |
| | 6.0 | 13.7 | 16.0 | 26.9 | 13.8 | 8.9 | 3.9 | 1.5 | | | | 100.0 | 12.3 |

TOTAL NUMBER OF OBSERVATIONS 784

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

2

# SURFACE WINDS

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

... CAPE NEWENHAM AFS, AK ... 77-8 ... N ...
STATION NAME ... YEARS ... MO.

ALL WEATHER
OBSERVATIONS

| DIR | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | ... | ... | ... | ... | ... | ... | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .6 | 1.2 | 2.2 | 4.6 | 2.6 | 1.4 | .3 | | | | | 12.9 | 9.4 |
| NNE | .5 | 1.3 | 1.5 | 2.9 | .8 | .2 | | | | | | 6.2 | 11.2 |
| NE | .5 | .8 | .4 | .5 | .2 | .1 | | | | | | 2.3 | 7.8 |
| ENE | .4 | .7 | .3 | .3 | .2 | | | | | | | 1.7 | 8.9 |
| E | .8 | 1.5 | 1.9 | 2.7 | .7 | .2 | | | | | | 7.8 | 10.2 |
| ESE | .4 | .6 | 1.3 | 3.9 | 1.7 | 1.6 | .7 | .5 | .1 | | | 10.8 | 15.8 |
| SE | .5 | .6 | 1.7 | 1.7 | 1.2 | 1.4 | 1.1 | .8 | .1 | | | 9.2 | 12.8 |
| SSE | .8 | 1.7 | 1.5 | 1.6 | 1.7 | 1.1 | .5 | .2 | .1 | .1 | | 7.8 | 14.1 |
| S | .5 | 1.4 | 2.1 | 3.8 | 1.7 | .8 | .5 | .1 | | | | 10.7 | 13.5 |
| SSW | .4 | .7 | 1.3 | 1.5 | .5 | .2 | .1 | | | | | 4.7 | 11.0 |
| SW | .2 | .5 | .7 | .5 | .2 | .1 | | | | | | 2.1 | 9.7 |
| WSW | .2 | .4 | .6 | .4 | .1 | .1 | | | | | | 1.9 | 9.5 |
| W | .3 | .5 | .5 | .5 | .2 | .1 | .1 | .1 | | | | 2.3 | 10.8 |
| WNW | .2 | .3 | .3 | .4 | .1 | .1 | .1 | | | | | 1.4 | 11.8 |
| NW | .2 | .4 | .7 | 1.0 | .5 | .2 | .1 | | | | | 3.0 | 12.1 |
| NNW | .3 | .5 | .8 | 1.8 | 1.4 | 1.5 | .3 | | | | | 6.5 | 15.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.1 | |
| | 6.5 | 13.3 | 16.6 | 27.1 | 12.6 | 8.5 | 3.6 | 1.5 | .2 | .2 | | 100.2 | 12.1 |

TOTAL NUMBER OF OBSERVATIONS ... 1665

... FORM ... PREVIOUS EDITIONS OBSOLETE ... PAGE ...

NEGRAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK 73-82 [illegible]
STATION STATION NAME YEARS MONTH

ALL WEATHER [illegible]
CLASS HOURS (LST)

CONDITION

| DIR NAUT MI | 1 - 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 | 2.5 | 1. | .2 | | | | | 14.1 | 12.4 |
| NNE | .5 | .9 | 1.4 | 1.2 | .1 | | | | | | | 4.2 | 9.1 |
| NE | .6 | .5 | .3 | .1 | .4 | | | | | | | 1.7 | 8.7 |
| ENE | .4 | .9 | 1.0 | .2 | .2 | | | | | | | 2.7 | 7.9 |
| E | .7 | .9 | 1.5 | 2.2 | 1.4 | .6 | .3 | | | | | 7.6 | 13.7 |
| ESE | .4 | .4 | .3 | 3.3 | 1.9 | 1.5 | 2.0 | .5 | | | | 10.4 | 15.5 |
| SE | .5 | .9 | .9 | 1.9 | 1.8 | 1.5 | 1.4 | .4 | | | | 9.7 | 16.1 |
| SSE | .2 | 1.1 | .5 | 2.1 | 2.2 | 2.2 | | | | | | 8.4 | 16.3 |
| S | .4 | 1.2 | 1.8 | 2.1 | 2.3 | .5 | | | | | | 9.2 | 13.1 |
| SSW | .2 | .3 | .6 | .4 | .1 | .1 | | | | | | 1.8 | 10.2 |
| SW | .1 | .4 | .9 | .3 | | | | | | | | 1.8 | 8.0 |
| WSW | .5 | .1 | .7 | .3 | | | | | | | | 1.7 | 7.3 |
| W | .8 | .2 | .4 | 1.1 | .1 | .2 | | | | | | 2.7 | 10.2 |
| 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 | 15.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.3 | |
| | 7.2 | 9.7 | 13.6 | 24.2 | 18.9 | 8.7 | 4.2 | 1.0 | | | | 100.2 | 11.7 |

TOTAL NUMBER OF OBSERVATIONS 9[illegible]

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
OF FLTAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK | 73-82 YEARS | DEC MONTH

ALL WEATHER CLASS

[illegible] HOURS L.S.T.

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 | .9 | 2.6 | 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 | | | | | | | 1.1 | 8.1 |
| ENE | .7 | .4 | .3 | .4 | .1 | | | | | | | 2.0 | 7.4 |
| E | 1.1 | .5 | 1.1 | 3.1 | 1.4 | 1.0 | .2 | | | | | 8.5 | 13.6 |
| ESE | .4 | .4 | .7 | 3.5 | 2.4 | 1.8 | 1.1 | .1 | .2 | | | 12.2 | 16.4 |
| 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 | 15.5 |
| S | 1.1 | .5 | 1.8 | 4.2 | 1.5 | .8 | .1 | | | | | 12.3 | 12.6 |
| SSW | | .4 | .9 | .3 | .2 | .1 | | | | | | 2.1 | 10.4 |
| SW | | .3 | .4 | .2 | .1 | | | | | | | 1.1 | 9.7 |
| WSW | .1 | .2 | .4 | .1 | .1 | | | | | | | 1.0 | 9.1 |
| W | .5 | .3 | .3 | .9 | .4 | .1 | | | | | | 2.6 | 11.7 |
| WNW | .1 | .3 | .3 | 1.1 | .2 | | | | | | | 2.5 | 11.3 |
| NW | .2 | .1 | .2 | 1.1 | .9 | .4 | | | | | | 3.2 | 14.3 |
| NNW | .7 | .7 | .4 | .5 | .9 | 1.1 | | | | | | 3.3 | 14.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.3 | |
| | 8.5 | 9.9 | 11.7 | 26.1 | 15.9 | 10.2 | 2.3 | .8 | .4 | | | 100.1 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS 911

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 (YEARS) — DEC (MONTH)

ALL WEATHER (CLASS) — [illegible] (HOURS L.S.T.)

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 | .7 | 2.7 | 3.1 | 3.3 | 2.7 | .9 | .1 | | | | | 13.5 | 11.9 |
| NNE | .9 | 1.7 | 1.8 | 1.0 | .1 | | | | | | | 5.7 | 8.3 |
| NE | .7 | .4 | .3 | .2 | | | | | | | | 1.3 | 6.7 |
| ENE | .4 | .3 | .5 | .2 | .1 | | | | | | | 1.5 | 7.1 |
| E | 1.0 | 1.4 | 1.2 | 2.7 | 2.0 | 1.0 | .3 | .1 | | | | 9.3 | 13.5 |
| ESE | .1 | .7 | 1.4 | 2.4 | 2.4 | 2.7 | .7 | .7 | .1 | .1 | | 12.5 | 16.4 |
| SE | 1.0 | .1 | .5 | 1.9 | 2.0 | 2.3 | .9 | .5 | | | | 9.5 | 15.7 |
| SSE | .9 | 1.7 | 1.5 | 1.9 | 1.2 | 1.0 | | .1 | | | | 7.5 | 12.1 |
| S | .1 | 1.1 | 1.8 | 2.5 | 1.6 | .9 | .3 | | | | | 9.3 | 13.4 |
| SSW | .1 | .7 | .5 | .7 | .1 | .7 | | | | | | 2.4 | 11.5 |
| SW | .1 | .3 | .7 | .4 | .1 | | | | | | | 1.5 | 9.1 |
| WSW | .7 | .1 | .3 | .4 | | .3 | | | | | | 1.3 | 11.4 |
| W | .1 | .5 | .8 | 1.0 | .2 | .1 | | | | | | 2.7 | 10.7 |
| WNW | | .3 | .3 | .3 | .5 | .2 | | | | | | 2.2 | 13.3 |
| NW | | .7 | .3 | .5 | .5 | .2 | | | | | | 2.3 | 13.5 |
| NNW | .1 | .3 | .3 | 1.4 | 2.7 | | .7 | | | | | 4.5 | 16.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.2 | |
| | 5.9 | 12.7 | 16.1 | 22.4 | 15.9 | 9.1 | 2.5 | 1.4 | .1 | .1 | | 100.3 | 11.7 |

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 — DEC
STATION — STATION # WBAN — YEARS — MONTH

ALL WEATHER — 0[illegible]-11[illegible]
CLASS — HOURS (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 | .2 | | | | | | 14.4 | 12.4 |
| NNE | .4 | 1.4 | 1.3 | 1.3 | .3 | | | | | | | 4.8 | 8.9 |
| NE | .1 | .7 | .9 | .1 | | | | | | | | 1.7 | 6.5 |
| ENE | .2 | .9 | .8 | .3 | | | | | | | | 2.2 | 5.5 |
| E | .9 | 1.6 | 1.3 | 1.9 | 1.4 | 1.3 | .2 | .1 | | | | 8.7 | 13.3 |
| ESE | .3 | 1.[illegible] | 1.3 | 3.6 | 1.6 | 2.4 | .2 | .[illegible] | | .1 | | 11.4 | 17.3 |
| SE | .4 | .5 | .5 | 2.8 | 2.3 | 1.[illegible] | .9 | .1 | | | | 8.9 | 15.5 |
| SSE | .9 | 1.1 | 2.[illegible] | 1.1 | 1.3 | .[illegible] | .4 | .3 | | | | 8.[illegible] | 13.9 |
| S | .7 | 1.[illegible] | 1.7 | 2.8 | 1.5 | .8 | .1 | | | | | 8.6 | 12.7 |
| SSW | .1 | .3 | 1.1 | .5 | .3 | .1 | | | | | | 2.3 | 12.9 |
| SW | .2 | | .4 | .7 | .7 | | | | | | | 1.[illegible] | 12.9 |
| WSW | .2 | .7 | .4 | 1.0 | .1 | | | | | | | 2.[illegible] | 10.7 |
| W | .1 | .4 | .2 | .7 | .4 | | | | | | | 1.9 | 11.4 |
| WNW | .1 | .2 | .9 | .4 | .1 | | | | | | | 1.7 | 9.6 |
| NW | .1 | .1 | .[illegible] | 1.1 | .2 | .1 | .1 | | | | | 2.6 | 13.[illegible] |
| NNW | .1 | .[illegible] | 1.0 | 1.6 | 1.3 | .7 | .2 | | | | | 5.[illegible] | 14.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.3 | |
| | 6.9 | 13.8 | 17.7 | 24.0 | 13.7 | 7.[illegible] | 2.2 | 1.3 | | .1 | | 1[illegible].[illegible] | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 91[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — DEC MONTH

ALL WEATHER CLASS — [illegible]-1400 HOURS LST

CONDITION

| DIRECTION FROM WHICH WIND BLOWS | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | 2.0 | 3.7 | 3.9 | 1.5 | | | | | | | 11.7 | 10.5 |
| NNE | 1.1 | 2.2 | 1.4 | 1.7 | .1 | | | | | | | 6.5 | 7.3 |
| NE | .9 | .5 | .8 | .2 | | | | | | | | 2.2 | 6.1 |
| ENE | 2.7 | .4 | .5 | | | | .1 | | | | | 1.9 | 5.4 |
| E | 1.1 | 1.9 | 1.5 | 2.5 | 1.4 | 1.1 | .1 | .1 | | | | 9.5 | 12.7 |
| ESE | .2 | .1 | 1.6 | 2.7 | 2.7 | 1.7 | 1.4 | .4 | .2 | .1 | | 12.1 | 13.3 |
| SE | .4 | 1.7 | .4 | 2.1 | 2.4 | 1.7 | .2 | .1 | | | | 9.1 | 14.7 |
| SSE | 1.7 | 1.7 | 1.4 | 2.2 | 1.3 | 1.7 | .1 | | | | | 8.2 | 12.5 |
| S | .7 | .9 | 1.1 | 4.1 | 2.1 | .3 | | | | | | 9.3 | 11.2 |
| SSW | .2 | .1 | 1.2 | 1.3 | .2 | .2 | | | | | | 3.2 | 12.2 |
| SW | | | .2 | .5 | .1 | | | | | | | .9 | 13.7 |
| WSW | .1 | .2 | .4 | .4 | .1 | | .1 | | | | | 1.4 | 11.6 |
| W | .2 | .3 | 1.2 | .4 | .2 | .2 | | | | | | 2.3 | 11.4 |
| WNW | .2 | .4 | .2 | .3 | .3 | | | | | | | 1.6 | 9.2 |
| NW | | .4 | .8 | 1.1 | .3 | .2 | .2 | | | | | 3.1 | 13.8 |
| NNW | .1 | 1.2 | 1.1 | 2.3 | 1.1 | .3 | | | | | | 6.1 | 12.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.2 | |
| | 7.2 | 12.4 | 17.4 | 24.9 | 13.6 | 5.8 | 2.3 | .7 | .2 | .1 | | 100.3 | 10.- |

TOTAL NUMBER OF OBSERVATIONS 713

AFETAC FORM [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 YEARS — DEC MONTH

ALL WEATHER CLASS — 1500-1700 HOURS (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 | 1.4 | 3.4 | 3.0 | 4.4 | 2.[illegible] | .[illegible] | | | | | | 13.[illegible] | 11.3 |
| NNE | .9 | 1.[illegible] | 2.[illegible] | .8 | | | | | | | | 5.[illegible] | 7.4 |
| NE | .3 | 1.[illegible] | .5 | .1 | .1 | | | | | | | 2.[illegible] | 7.[illegible] |
| ENE | .5 | .5 | .1 | .1 | .3 | | | | | | | 1.5 | 7.1 |
| E | 1.1 | .9 | 2.[illegible] | 2.8 | 1.5 | 2.1 | | | | | | 10.[illegible] | 13.7 |
| ESE | .9 | .1 | 1.4 | 2.8 | 2.3 | .9 | 1.[illegible] | | | | .1 | 9.4 | 15.1 |
| SE | 1.4 | .[illegible] | .6 | 2.8 | 1.8 | 1.1 | .6 | .1 | .1 | | | 9.3 | 15.[illegible] |
| SSE | .8 | 1.3 | 1.6 | 1.9 | 2.[illegible] | 1.[illegible] | .1 | | | | | 8.7 | 12.9 |
| S | .4 | 1.[illegible] | 1.8 | 3.3 | 3.[illegible] | .9 | .1 | | | | | 10.[illegible] | 14.4 |
| SSW | | .1 | .5 | .5 | .1 | .4 | | | | | | 1.6 | 14.2 |
| SW | | .1 | .9 | .3 | | .3 | | | | | | 1.[illegible] | 11.[illegible] |
| WSW | | .5 | .5 | .5 | | .1 | | | | | | 1.6 | 11.1 |
| W | .4 | .4 | .4 | .[illegible] | | .4 | .1 | | | | | 2.[illegible] | 11.8 |
| WNW | .3 | | | 1.[illegible] | .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.[illegible] | .3 | | | | | | 6.4 | 14.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.3 | |
| | 7.9 | 11.5 | 17.1 | 25.[illegible] | 15.4 | 8.3 | 2.1 | .1 | .1 | | .1 | 100.[illegible] | 11.3 |

TOTAL NUMBER OF OBSERVATIONS 707

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] JAPC NENANA AFS AK — 73-74,77-82 (YEARS) — DEC (MONTH)

ALL WEATHER (CLASS)

[illegible] (CONDITION)

[illegible] (HOURS)

| [illegible] KNOTS | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .7 | 2.4 | 3.1 | 5.8 | 1.1 | .2 | .3 | | | | | 14.2 | 11.0 |
| NNE | .9 | 1.7 | 2.7 | 1.1 | | | | | | | | 5.5 | 7.2 |
| NE | .6 | 1.4 | .5 | .2 | .2 | | | | | | | 2.7 | 8.3 |
| ENE | .2 | .2 | .3 | .5 | | | | | | | | 1.3 | 7.9 |
| E | .8 | .6 | 1.8 | 3.1 | 2.4 | .7 | .2 | | | | | 9.8 | 13.5 |
| ESE | .2 | | .8 | 3.4 | 2.3 | 1.2 | .5 | .3 | | | | 9.2 | 17.7 |
| SE | .5 | .4 | .8 | 1.4 | 2.0 | 2.5 | .5 | | | | | 8.7 | 17.0 |
| SSE | 1.1 | 1.4 | 1.2 | 1.5 | 2.4 | 1.3 | .3 | .2 | | | | 9.5 | 14.5 |
| S | .2 | 1.2 | 2.2 | 2.6 | 2.7 | 1.5 | .2 | | | | | 12.7 | 14.5 |
| SSW | .3 | .3 | .5 | .9 | .3 | .2 | | | | | | 2.6 | 13.9 |
| SW | | .2 | .3 | .5 | .2 | | | | | | | 1.1 | 11.9 |
| WSW | | .2 | .2 | | | .2 | | | | | | .5 | 12.2 |
| W | .2 | | .3 | .8 | | .2 | | .2 | | | | 1.7 | 14.9 |
| WNW | | .2 | .6 | .3 | .3 | .2 | .2 | | | | | 1.5 | 15.3 |
| NW | .2 | | .2 | 1.4 | .3 | .2 | | | | | | 2.3 | 14.3 |
| NNW | .2 | .2 | .3 | 2.2 | 2.1 | .2 | | | | | | 4.9 | 15.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.3 | |
| | 6.1 | 11.2 | 14.8 | 25.2 | 16.3 | 10.4 | 2.3 | .6 | | | | 100.3 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 655

[illegible] PREVIOUS EDITIONS [illegible] ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

7 [illegible] | CAPE NEWENHAM AFS, AK | 73-82 YEARS | DEC MONTH

ALL WEATHER CLASS | [illegible] HOURS L.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 | .7 | 1.5 | 1.9 | 5.3 | 3.7 | .4 | .2 | | | | | 13.9 | 13.4 |
| NNE | 1.2 | 1.5 | 2.1 | .9 | .4 | | | | | | | 6.2 | 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 | | | | | 9.8 | 12.1 |
| ESE | .4 | .3 | .4 | 1.9 | 1.9 | 2.7 | 1.2 | .1 | | | | 9.0 | 19.3 |
| SE | 1.0 | 1.3 | 1.0 | 1.6 | 2.1 | 2.5 | .1 | | | | | 9.8 | 15.1 |
| SSE | .6 | 1.7 | .7 | 1.8 | 1.6 | 2.8 | .3 | .1 | | | | 9.6 | 18.6 |
| S | .7 | 1.7 | 1.5 | 2.4 | 3.9 | .9 | .1 | | | | | 11.5 | 14.5 |
| SSW | .7 | .3 | 1.0 | .9 | .3 | .1 | .1 | | | | | 3.1 | 12.1 |
| SW | | .4 | .4 | .3 | | | | | | | | 1.2 | 9.3 |
| WSW | .1 | .4 | .3 | | | | | | | | | .7 | 5.3 |
| W | .4 | .3 | .9 | .6 | .3 | .4 | | | | | | 3.0 | 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 | | | | | 4.9 | 14.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.3 | |
| | 9.1 | 11.3 | 15.0 | 21.9 | 16.4 | 11.7 | 2.7 | .3 | | | | 100.0 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS 675

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-84 YEARS — [illegible] MONTH

ALL WEATHER CLASS — ALL HOURS L.S.T.

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 | .9 | 2.[illegible] | 2.5 | 4.6 | 2.[illegible] | .5 | .1 | | . | | | [illegible].[illegible] | 11.[illegible] |
| NNE | .8 | 1.3 | 1.6 | 1.3 | .2 | | | | | | | [illegible].[illegible] | 8.[illegible] |
| NE | .6 | .6 | .6 | .1 | .1 | | | | | | | 1.9 | 6.9 |
| ENE | .5 | .5 | .5 | .3 | .1 | | .0 | | | | | 2.[illegible] | 7.[illegible] |
| E | .9 | 1.1 | 1.6 | 2.6 | 1.6 | 1.1 | .2 | .1 | | | | [illegible].[illegible] | 13.[illegible] |
| ESE | .4 | .4 | 1.0 | 3.0 | 2.1 | 1.[illegible] | 1.[illegible] | .4 | .1 | .0 | . | 10.1 | 16.[illegible] |
| SE | .8 | .7 | .7 | 2.1 | 2.1 | 1.[illegible] | .7 | .3 | . | | | [illegible].[illegible] | 17.[illegible] |
| SSE | .7 | 1.1 | 1.2 | 1.7 | 1.[illegible] | 1.[illegible] | .2 | .1 | | | | [illegible].[illegible] | 14.[illegible] |
| S | .5 | 1.1 | 1.6 | 2.2 | 2.3 | .8 | .1 | | | | | [illegible].[illegible] | 13.5 |
| SSW | .1 | .3 | .3 | .5 | .2 | .2 | . | | | | | .3 | 11.5 |
| SW | .1 | .2 | .5 | .4 | .1 | .2 | | | | | | 1.4 | 10.5 |
| WSW | .2 | .2 | .4 | .4 | .2 | .1 | . | | | | | 1.3 | 9.9 |
| W | .3 | .3 | .5 | .7 | .2 | .2 | . | . | | | | 2.4 | 11.3 |
| WNW | .1 | .2 | .4 | .6 | .3 | .1 | .2 | | | | | 1.8 | 12.[illegible] |
| NW | .1 | .2 | .6 | 1.2 | .4 | .2 | .1 | | | | | 2.5 | 13.6 |
| NNW | .2 | .5 | .5 | 1.7 | 1.[illegible] | .4 | .1 | | | | | 5.[illegible] | 14.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.1 | |
| | 7.2 | 11.5 | 15.5 | 24.2 | 15.2 | 8.8 | 2.5 | .8 | .1 | .0 | . | 100.[illegible] | 11.5 |

TOTAL NUMBER OF OBSERVATIONS 668[illegible]

USAFETAC [illegible]

NAVAL CLIMATOLOGY BRANCH
[illegible]
2 [illegible] WEATHER SERVICE/MAC

# SURFACE WINDS

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

[illegible] CAPE NEWENHAM AFS AK — 73-82 — YEARS — ALL MONTH
STATION — STATION NAME — ALL WEATHER CLASS — ALL HOURS (LST)
CONDITION

| DIR \ KNOTS | 1 - 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 | 1.9 | 3.5 | 5.3 | 1.6 | .7 | .1 | .1 | .1 | | | 14.1 | 11.5 |
| NNE | .5 | .7 | .9 | .6 | .3 | .1 | .1 | .1 | | | | 3.1 | 8.5 |
| NE | .4 | .5 | .3 | .1 | .1 | .1 | | | | | | 1.4 | 6.3 |
| ENE | .4 | .3 | .5 | .2 | .1 | .1 | .1 | | | | | 1.7 | 8.3 |
| E | .8 | 1.3 | 1.9 | 1.8 | .6 | .3 | .1 | .1 | | | | 6.9 | 11.5 |
| ESE | .4 | .7 | 1.7 | 2.8 | 1.8 | 1.4 | .5 | .2 | .1 | .1 | .1 | 9.3 | 13.6 |
| SE | .6 | .9 | 1.4 | 2.1 | 1.4 | 1.1 | .5 | .2 | .1 | | | 8.2 | 12.1 |
| SSE | .5 | 1.4 | 1.3 | 2.4 | 1.3 | .8 | .2 | .1 | .1 | .1 | | 8.7 | 12.5 |
| S | .6 | 1.7 | 2.8 | 3.4 | 1.4 | .5 | .1 | .1 | | | | 10.3 | 11.9 |
| SSW | .3 | .7 | 1.2 | 1.7 | .3 | .1 | .1 | | | | | 3.5 | 10.3 |
| SW | .1 | .4 | .7 | .5 | .1 | .1 | .1 | | | | | 1.7 | 9.5 |
| WSW | .1 | .4 | .7 | .4 | .1 | .1 | .1 | .1 | | | | 1.8 | 9.2 |
| W | .3 | .3 | 1.1 | .8 | .1 | .1 | .1 | .1 | | | | 3.2 | 8.9 |
| WNW | .3 | .7 | 1.2 | .7 | .1 | .1 | .1 | | | | | 2.5 | 8.7 |
| NW | .5 | .7 | 1.2 | 1.3 | .2 | .1 | .1 | | | | | 3.9 | 9.2 |
| NNW | .3 | 1.2 | 1.4 | 2.1 | 1.1 | .5 | .1 | .1 | | | | 7.2 | 11.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.6 | |
| | 8.1 | 14.9 | 23.7 | 23.3 | 10.3 | 5.1 | 1.9 | .5 | .1 | .1 | .1 | 100.3 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 79783

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

70350 CAPE NEWENHAM AFS AK 73-82 ALL
STATION STATION NAME YEARS MONTH

INSTRUMENT
CLASS
CIG 1400 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

| KNOTS / MPH | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .6 | 1.9 | 2.2 | 2.9 | 1.4 | .5 | .2 | .1 | .1 | | | 9.3 | 11.5 |
| NNE | .5 | .7 | .5 | .4 | .1 | .1 | .1 | | | | | 2.4 | 5.7 |
| NE | .3 | .3 | .3 | .1 | .1 | .1 | | | | | | 1.2 | 5.4 |
| ENE | .2 | .3 | .4 | .2 | .1 | .1 | .1 | | | | | 1.1 | 5.2 |
| E | .3 | .7 | 1.3 | 1.5 | .5 | .3 | .1 | .1 | | | | 4.5 | 11.8 |
| ESE | .1 | .4 | 1.2 | 2.8 | 1.7 | 1.3 | .7 | .2 | .1 | | | 8.4 | 17.2 |
| SE | .2 | .5 | 1.3 | 2.5 | 1.5 | 1.2 | .5 | .2 | .1 | | | 7.7 | 15.5 |
| SSE | .3 | .9 | 2.1 | 3.3 | 1.9 | 1.1 | .3 | .1 | .1 | .0 | | 9.9 | 14.5 |
| S | .5 | 1.5 | 3.2 | 4.5 | 2.2 | .8 | .2 | .1 | | | | 12.3 | 13.7 |
| SSW | .3 | .7 | 1.5 | 1.6 | .5 | .2 | .1 | | | | | 4.8 | 11.1 |
| SW | .2 | .5 | .8 | .8 | .2 | .1 | .1 | | | | | 2.8 | 10.1 |
| WSW | .1 | .5 | 1.0 | .7 | .1 | .1 | .1 | .0 | | | | 2.6 | 10.2 |
| W | .4 | 1.1 | 1.8 | 1.3 | .2 | .1 | .1 | .1 | | | | 4.7 | 9.5 |
| WNW | .3 | .5 | 1.5 | 1.0 | .1 | .1 | .1 | | | | | 3.8 | 9.1 |
| NW | .5 | 1.1 | 1.5 | 1.3 | .3 | .1 | .1 | | | | | 4.5 | 9.5 |
| NNW | .4 | 1.2 | 1.8 | 2.6 | 1.2 | .5 | .1 | | | | | 8.0 | 11.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.2 | |
| | 5.6 | 12.9 | 32.2 | 27.3 | 12.3 | 6.5 | 2.3 | .5 | .2 | .0 | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 28639

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# PART D CEILING VERSUS VISIBILITY

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

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

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

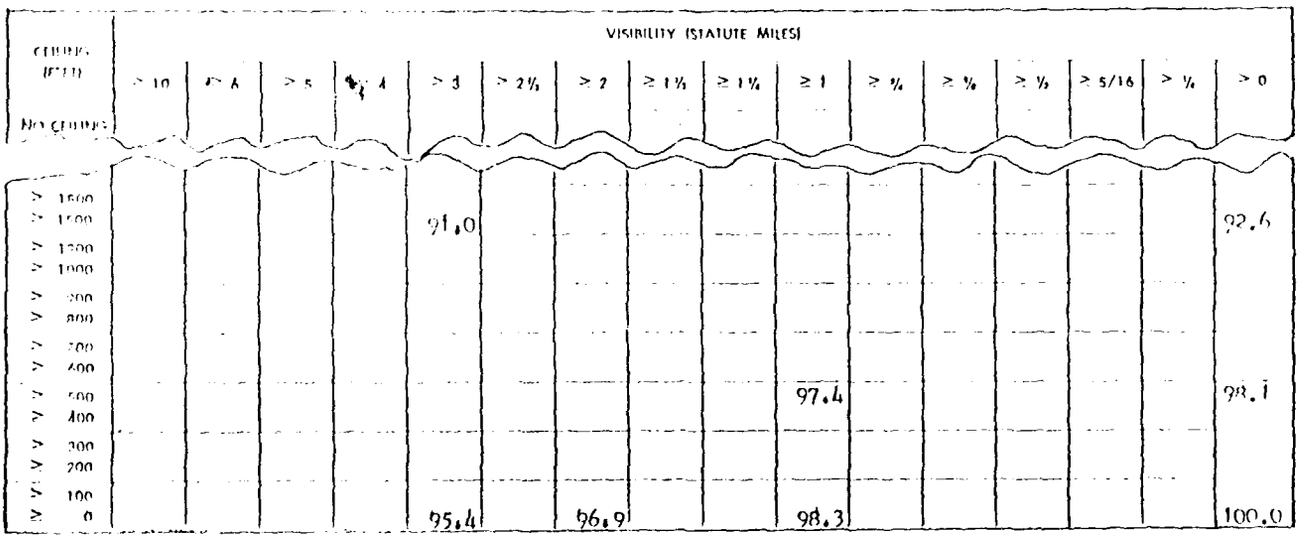
D

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1960. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1960 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 | > 8 | > 5 | > 4 | > 3 | > 2½ | > 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ½ | > 5/16 | > ¼ | > 0 |
| No ceilings | | | | | | | | | | | | | | | | |
| ≥ 1600 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | 91.0 | | | | | | | | | | | 92.6 |
| ≥ 1400 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | 97.4 | | | | | | 98.1 |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | 95.4 | | 96.9 | | | 98.3 | | | | | | 100.0 |

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

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

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

## ADDITIONAL EXAMPLES

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

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

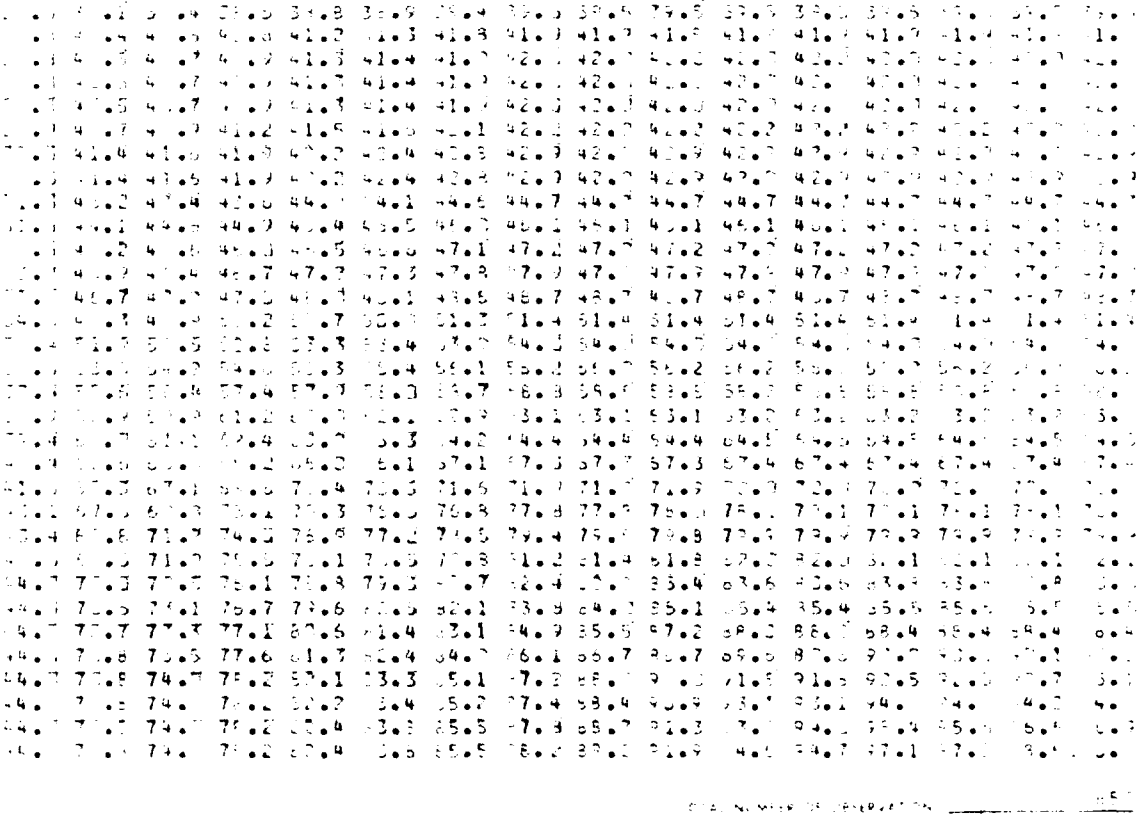
EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower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

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

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

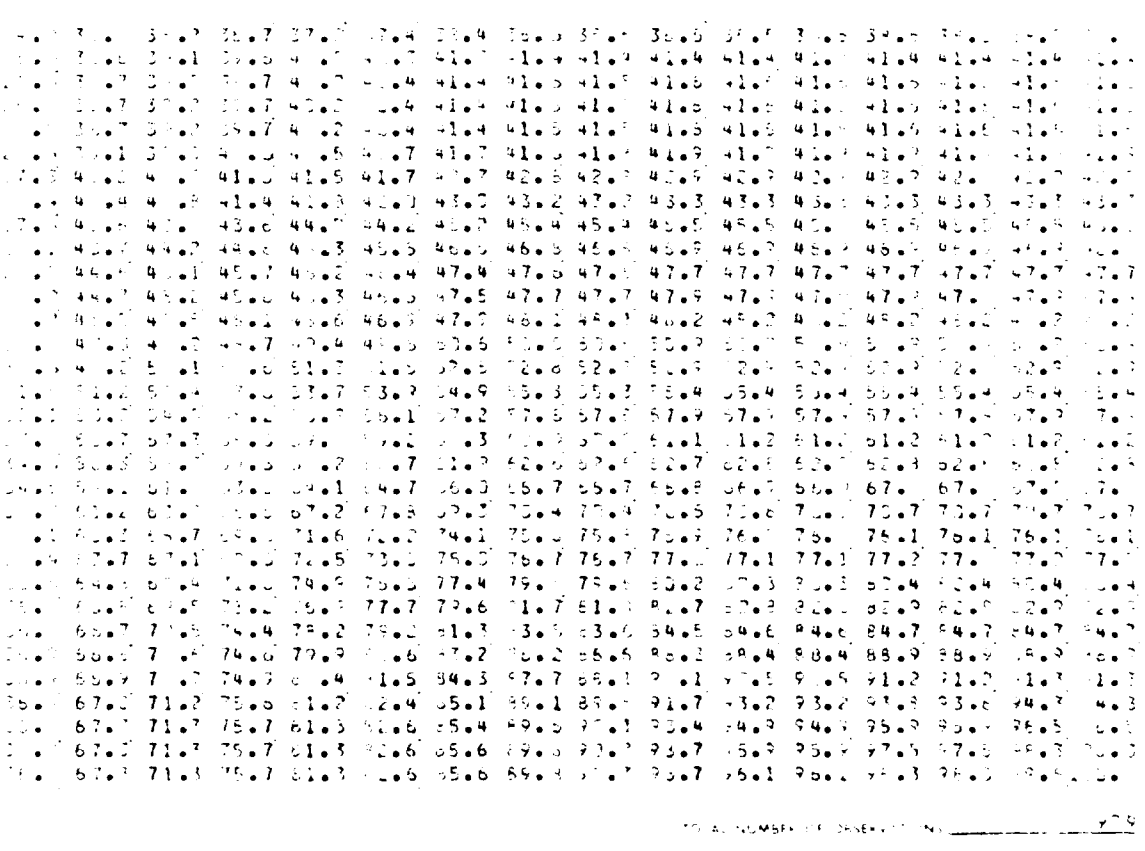
2

# CEILING VERSUS VISIBILITY



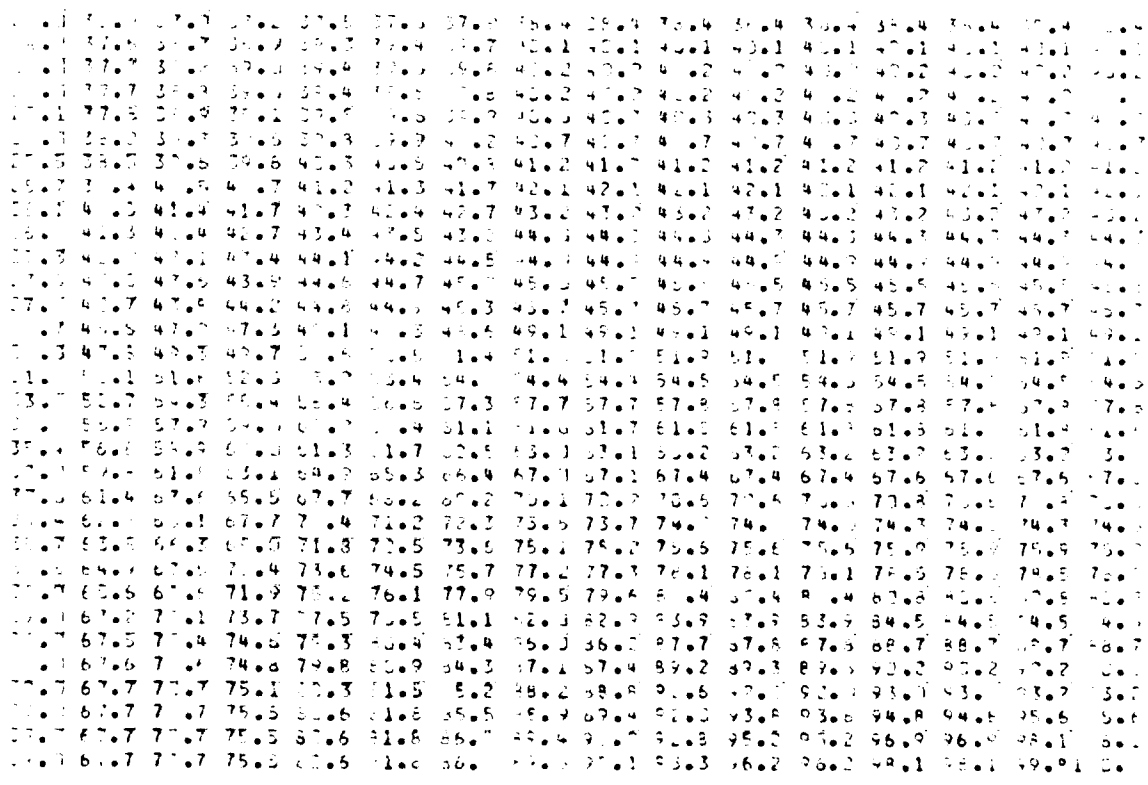
2

# CEILING VERSUS VISIBILITY



2

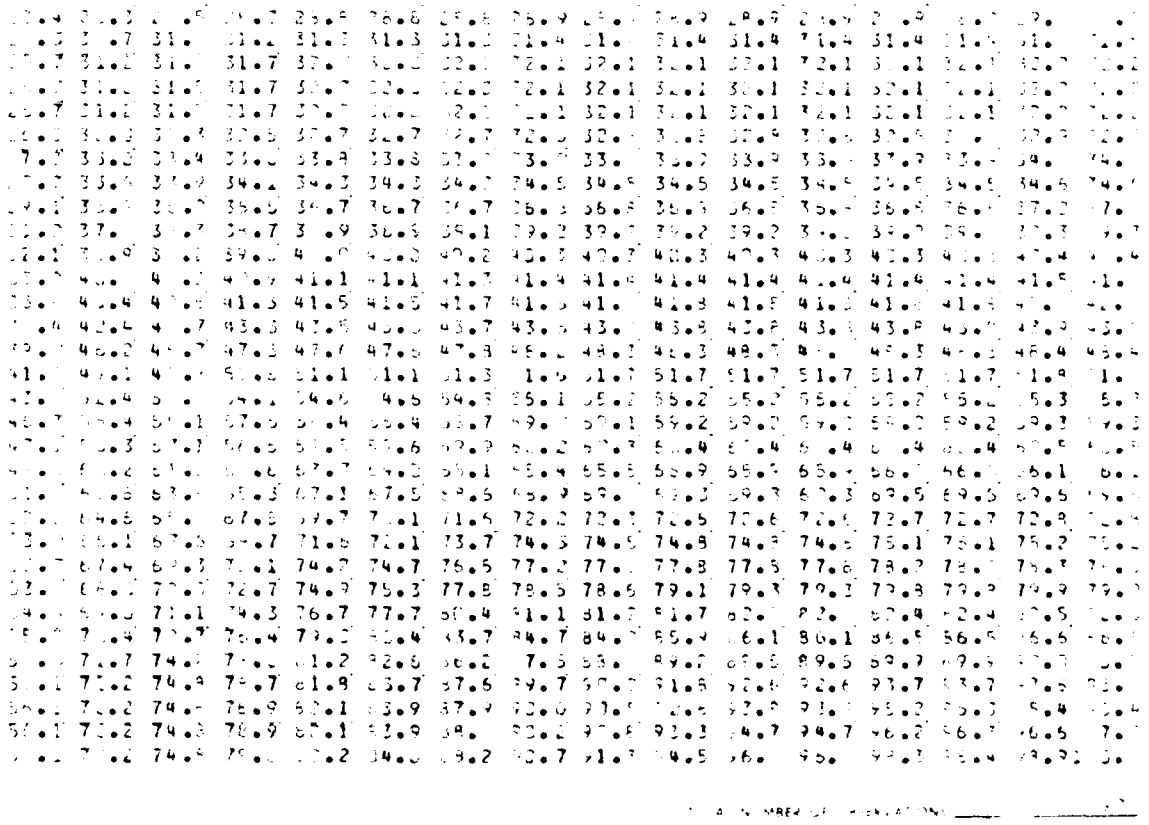
# CEILING VERSUS VISIBILITY



TOTAL NUMBER OF OBSERVATIONS 917

2

# CEILING VERSUS VISIBILITY



2

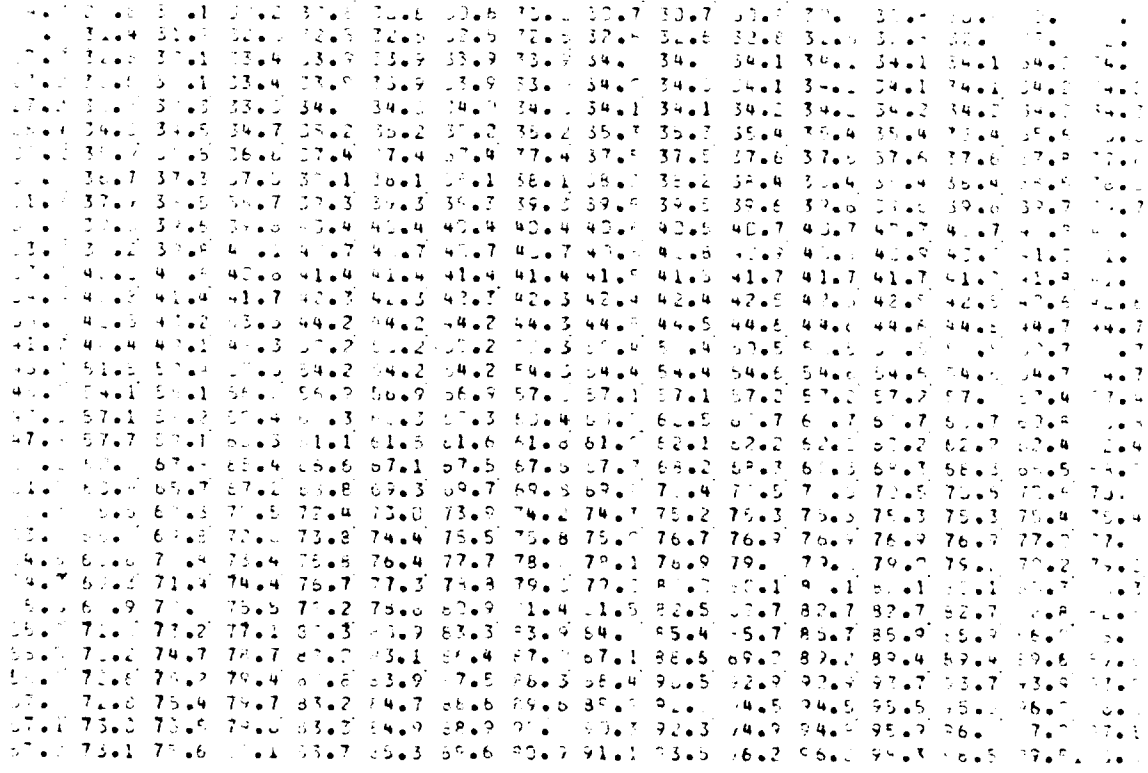
# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24.7 | 28.3 | 2 .7 | 28.6 | 28.9 | 29.1 | 29.6 | 29.8 | 29.8 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | .0 |
| 27.1 | 31.3 | 31.7 | 31.8 | 32.1 | 32.2 | 32.6 | 32.8 | 32.8 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | .0 |
| 27.1 | 31.4 | 31.4 | 32.9 | 33.0 | 33.3 | 33.7 | .7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 34. | .0 |
| 27.6 | 31.4 | 31.7 | 3 .9 | 32.0 | 33.3 | 33.7 | .7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 34. | .0 |
| 27.1 | 31.4 | 31.7 | 32.9 | 33.0 | 33.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 34.0 | .0 |
| .1 | 33.5 | 33.7 | 33.8 | 33.9 | 34.1 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.9 | .0 |
| 31.1 | 34.9 | 35.7 | 35.5 | 35.7 | 35.9 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.6 | .0 |
| 31.1 | 35.1 | 35.4 | 36.5 | 36.6 | 36.8 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.6 | .0 |
| 32.4 | 37.3 | 37.7 | 37.9 | 38.1 | 38.3 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.9 | .0 |
| 33.1 | 38.1 | 38.9 | 39.1 | 39.2 | 39.6 | 40.1 | 40.1 | 40.1 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.5 | 40.6 | .0 |
| 33.7 | 38.7 | 39.1 | 39.5 | 39.6 | 39.8 | 40.4 | 40.4 | 40.4 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | .0 |
| 34.1 | 39.5 | 39.9 | 40.2 | 40.4 | 40.7 | 41.3 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.7 | 41.7 | .0 |
| 34.1 | 39.8 | 40.2 | 40.5 | 40.8 | 41.0 | 41.6 | 41.6 | 41.6 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | .0 |
| 37.1 | 41.1 | 41.4 | 42.7 | 43.1 | 43.3 | 43.9 | 44.0 | 44.0 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.5 | 44.6 | .0 |
| 37.1 | 41.3 | 41.6 | 41.8 | 42.1 | 43.3 | 43.9 | 44.0 | 44.0 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.5 | 44.6 | .0 |
| 44.1 | 51.1 | 51.7 | 52.1 | 52.4 | 52.6 | 53.3 | 53.4 | 53.4 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.8 | .0 |
| 47.7 | 54.9 | 55.5 | 55.7 | 56.2 | 56.4 | 57.1 | 57.2 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.4 | .0 |
| .0 | 56.2 | 57.9 | 58.2 | 58.8 | 59.1 | 59.7 | 60.0 | 60.0 | 5 .9 | 60.0 | 6 .0 | 6 .0 | 6 .0 | 60.0 | 60.2 | .0 |
| 1.3 | 59.6 | 6 .3 | 61.0 | 61.6 | 62.0 | 62.7 | 62.8 | 62.8 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.1 | .3 |
| 2.4 | 63.6 | 64.2 | 66.2 | 67.7 | 67.9 | 68.8 | 68.9 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.7 | .7 |
| 2.8 | 65.7 | 67.3 | 68.4 | 69.5 | 71.0 | 72.0 | 72.1 | 72.3 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.9 | 73.0 | .7 |
| 3.3 | 66.4 | 71.0 | 71.4 | 72.8 | 73.4 | 75.7 | 76.1 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 77.2 | 77.4 | .7 |
| 3.7 | 67.9 | 71.7 | 72.9 | 74.3 | 74.7 | 77.2 | 77.6 | 77.8 | 78.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.7 | 79.9 | .7 |
| .1 | 71.2 | 73.2 | 74.7 | 76.5 | 77.1 | 79.6 | 80.1 | 80.2 | 81.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 81.4 | 1.4 |
| 3.4 | 71.3 | 74.4 | 76.4 | 78.5 | 79.0 | 81.6 | 82.1 | 82.3 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 83.5 | 83. | .0 |
| 3.9 | 72.7 | 75.6 | 77.7 | 81.2 | 82.2 | 83.9 | 84.2 | 84.5 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.8 | 86.0 | .0 |
| 3.9 | 74.2 | 77.1 | 78.7 | 82.8 | 83.5 | 86.5 | 87.2 | 87.4 | 88.3 | 88.6 | 88.6 | 88.6 | 88.7 | 89.7 | 90.1 | .0 |
| 4.3 | 74.9 | 78.4 | 81.0 | 84.2 | 85.1 | 88.4 | 89.1 | 89.3 | 90.5 | 91.0 | 91.0 | 91.2 | 91.2 | 91.8 | 92.0 | .0 |
| 4.3 | 74.9 | 78.5 | 81.2 | 84.6 | 86.7 | 89.5 | 90.0 | 90.8 | 92.6 | 94.8 | 94.9 | 95.5 | 95.5 | 96.2 | 96.6 | .0 |
| 4.3 | 74.9 | 78.6 | 81.2 | 84.6 | 86.1 | 89.7 | 90.3 | 91.1 | 92.9 | 95.1 | 95.2 | 96.4 | 96.4 | 97.1 | 97.1 | .0 |
| 4.4 | 75.3 | 78.9 | 81.3 | 84.7 | 86.1 | 89.7 | 91.1 | 91.7 | 93.3 | 95.4 | 95.7 | 96.7 | 96.8 | 97.5 | 97.9 | .0 |
| 4.4 | 75.3 | 7 .9 | 81.3 | 84.7 | 86.1 | 89.8 | 91.4 | 91.8 | 94.0 | 96.4 | 96.8 | 98.4 | 98.6 | 99.7 | 100. | .0 |

TOTAL NUMBER OF OBSERVATIONS 42

2

# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.1 | 27.3 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 30.3 | 30.9 | 31.4 | 31.9 | 31.9 | 31.9 | 31.9 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 |
| 32.7 | 32.7 | 32.7 | 32.7 | 32.8 | 32.8 | 32.8 | 32.7 | 32.7 | 32.7 | 32.7 | 32.8 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| 32.7 | 32.9 | 33.1 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| 32.7 | 32.9 | 33.4 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 33.3 | 33.7 | 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 |
| 33.3 | 33.8 | 34.4 | 34.6 | 34.8 | 34.8 | 34.8 | 35.0 | 35.0 | 35.0 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 34.7 | 34.7 | 35.3 | 35.7 | 35.9 | 35.9 | 35.9 | 36.1 | 36.1 | 36.1 | 36.3 | 36.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| 34.7 | 34.8 | 34.9 | 37.5 | 37.5 | 37.5 | 37.5 | 37.7 | 37.7 | 37.7 | 37.8 | 37.8 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| 37.1 | 37.1 | 37.7 | 38.3 | 38.3 | 38.3 | 38.3 | 38.4 | 38.4 | 38.4 | 38.6 | 38.6 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 39.1 | 39.1 | 39.1 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.7 | 39.7 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 41.1 | 41.9 | 42.5 | 42.2 | 42.2 | 42.2 | 42.2 | 42.3 | 42.3 | 42.3 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 40.7 | 41.7 | 42.4 | 42.9 | 42.9 | 42.9 | 42.9 | 41.1 | 41.1 | 41.1 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| 43.1 | 43.6 | 44.2 | 43.3 | 43.8 | 43.8 | 43.8 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| 49.4 | 47.5 | 48.7 | 48.9 | 48.9 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.2 | 49.2 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| 49.5 | 49.9 | 50.2 | 51.4 | 51.4 | 51.4 | 51.4 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 52.1 | 52.8 | 53.2 | 53.6 | 53.6 | 53.6 | 53.6 | 53.8 | 53.8 | 53.8 | 53.9 | 53.9 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| 54.3 | 55.4 | 56.7 | 56.1 | 56.1 | 56.1 | 56.1 | 56.3 | 56.3 | 56.3 | 56.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 53.4 | 54.2 | 55.6 | 57.3 | 57.3 | 57.3 | 57.3 | 57.5 | 57.5 | 57.5 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 59.3 | 57.8 | 59.7 | 62.3 | 62.3 | 62.3 | 62.3 | 62.5 | 62.5 | 63.1 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 48.4 | 61.1 | 63.3 | 65.8 | 65.9 | 66.3 | 66.9 | 67.1 | 67.1 | 67.3 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 52.3 | 63.4 | 65.6 | 68.0 | 69.1 | 69.5 | 70.9 | 71.0 | 71.5 | 72.0 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 49.7 | 62.3 | 67.7 | 71.2 | 72.8 | 71.3 | 72.7 | 73.4 | 73.4 | 73.9 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 54.6 | 66.3 | 67.7 | 72.8 | 71.7 | 72.5 | 74.1 | 74.8 | 74.8 | 75.3 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 57.7 | 66.1 | 69.6 | 72.3 | 73.1 | 74.1 | 75.9 | 76.7 | 76.7 | 77.2 | 77.3 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 58.1 | 66.1 | 69.6 | 72.5 | 74.1 | 75.3 | 77.7 | 78.4 | 78.9 | 78.9 | 79.2 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 51.3 | 67.5 | 70.5 | 74.4 | 76.6 | 77.5 | 80.3 | 81.4 | 81.4 | 81.9 | 82.7 | 82.7 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| 53.7 | 68.8 | 71.9 | 76.1 | 78.8 | 80.6 | 83.9 | 85.1 | 85.7 | 85.6 | 86.4 | 86.4 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 51.7 | 67.1 | 72.2 | 76.6 | 80.3 | 81.9 | 86.1 | 87.8 | 88.7 | 89.1 | 90.2 | 90.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 52.2 | 67.5 | 73.7 | 77.3 | 81.8 | 82.7 | 87.2 | 89.4 | 89.9 | 90.8 | 92.3 | 92.3 | 93.6 | 93.6 | 94.1 | 94.1 | 94.1 |
| 52.7 | 68.5 | 73.7 | 77.3 | 81.1 | 83.0 | 87.5 | 89.8 | 90.7 | 91.3 | 93.3 | 93.3 | 95.0 | 95.5 | 96.3 | 96.7 | 96.7 |
| 52.2 | 67.5 | 73.7 | 77.6 | 81.3 | 83.3 | 88.8 | 91.1 | 91.7 | 92.0 | 95.2 | 95.2 | 97.0 | 98.4 | 99.5 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 84

1

# CEILING VERSUS VISIBILITY

2

...AL CLIMATOLOGY BRANCH
...AC
2 ...ATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

...ARE NEWINGHAM AFB, MAINE 73-...

...ENCY OF OCCURRENCE ...
...NUMERATION

ALL

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ...6 | ...3 | ...3 | ...3 | ...3 | 35.5 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ...7 | ...3 | ...3 | 35.8 | 35.8 | 35.9 | 36.2 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| ...7 | ...3 | 35.3 | 36.1 | 36.3 | 36.4 | 36.7 | 36.9 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.1 | 37.1 | 37.1 |
| ...7 | ...3 | 35.3 | 36.1 | 36.3 | 36.4 | 36.7 | 36.9 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.1 | 37.1 | 37.1 |
| ...7 | ...3 | 35.3 | 36.1 | 36.4 | 36.5 | 36.8 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.1 | 37.1 | 37.1 |
| ...7 | 35.9 | 36.4 | 36.7 | 37.0 | 37.1 | 37.4 | 37.5 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 |
| 36.1 | 37.3 | 37.5 | 37.9 | 38.2 | 38.2 | 38.6 | 38.7 | 38.7 | 38.7 | 38.7 | 38.8 | 38.8 | 38.8 | 38.8 | 38.9 | 38.9 | 38.9 |
| ...1 | 37.6 | 38.1 | 38.6 | 38.8 | 38.9 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 |
| 38.3 | 39.2 | 39.4 | 40.2 | 40.4 | 40.5 | 40.8 | 40.9 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.2 | 41.2 | 41.2 |
| 39.7 | 40.4 | 41.0 | 41.6 | 41.8 | 41.9 | 42.3 | 42.4 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 |
| 41.4 | 41.2 | 41.6 | 42.2 | 42.6 | 42.7 | 43.1 | 43.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4 | 43.4 |
| 42.1 | 41.9 | 42.5 | 42.9 | 43.3 | 43.4 | 43.7 | 43.9 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.1 | 44.1 | 44.1 |
| 42.3 | 42.4 | 43.0 | 43.5 | 43.8 | 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 |
| 43.0 | 44.5 | 45.1 | 45.7 | 46.2 | 46.3 | 46.6 | 46.8 | 46.8 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 47.0 | 47.0 | |
| 37.1 | 43.4 | 44.2 | 46.7 | 47.3 | 47.5 | 50.3 | 50.7 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 |
| 45.3 | 51.7 | 51.7 | 52.5 | 52.9 | 53.1 | 53.5 | 53.8 | 53.8 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 47.1 | 53.4 | 54.4 | 55.4 | 55.9 | 56.1 | 56.4 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| 48.0 | 54.3 | 55.3 | 56.3 | 56.8 | 57.0 | 57.3 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| 48.4 | 57.1 | 58.3 | 59.7 | 60.4 | 60.7 | 61.3 | 61.6 | 61.6 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 |
| 44.1 | 60.6 | 62.7 | 63.8 | 64.7 | 65.1 | 65.9 | 66.3 | 66.4 | 66.5 | 66.5 | 66.6 | 66.6 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 |
| 47.4 | 62.9 | 64.9 | 66.0 | 66.8 | 68.4 | 68.4 | 69.4 | 69.7 | 70.0 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 |
| 47.5 | 63.2 | 65.4 | 66.7 | 71.5 | 72.0 | 73.5 | 74.4 | 74.5 | 74.9 | 74.9 | 74.9 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 |
| 47.3 | 66.4 | 68.7 | 71.1 | 73.7 | 73.5 | 75.1 | 76.3 | 76.1 | 76.5 | 76.6 | 76.6 | 76.7 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 |
| 47.6 | 67.4 | 69.8 | 72.6 | 74.9 | 75.5 | 77.1 | 78.2 | 78.4 | 78.9 | 79.1 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 |
| 47.3 | 68.1 | 70.2 | 73.3 | 76.2 | 76.7 | 78.8 | 80.0 | 80.2 | 80.6 | 80.9 | 80.9 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 |
| 48.2 | 69.8 | 71.6 | 75.3 | 77.7 | 78.5 | 80.9 | 82.2 | 82.3 | 83.0 | 83.2 | 83.2 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 |
| 48.5 | 69.6 | 72.6 | 76.2 | 79.8 | 80.7 | 83.3 | 84.9 | 85.1 | 86.4 | 86.7 | 86.7 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 |
| 48.7 | 70.4 | 73.5 | 77.3 | 81.1 | 82.3 | 85.2 | 87.3 | 87.9 | 88.9 | 89.3 | 89.3 | 89.8 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 |
| 48.9 | 70.6 | 73.8 | 77.8 | 81.8 | 83.1 | 86.4 | 88.6 | 89.1 | 90.8 | 92.3 | 92.3 | 93.2 | 93.2 | 93.4 | 93.5 | 93.5 | 93.5 |
| 49.0 | 70.7 | 74.0 | 78.0 | 82.0 | 83.5 | 86.8 | 89.2 | 89.7 | 92.0 | 93.8 | 93.8 | 94.9 | 94.9 | 95.4 | 95.6 | 95.6 | 95.6 |
| 49.1 | 70.7 | 74.1 | 78.2 | 82.1 | 83.6 | 87.2 | 89.6 | 90.1 | 92.5 | 94.6 | 94.7 | 96.1 | 96.3 | 97.1 | 97.3 | 97.3 | 97.3 |
| 49.1 | 70.7 | 74.1 | 78.1 | 82.2 | 83.7 | 87.5 | 90.1 | 90.6 | 93.4 | 95.7 | 95.7 | 97.2 | 98.2 | 99.3 | 99.6 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 5906

2

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 43 | 44 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | |
| 34 | 43 | 44 | 46 | 46 | 46 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | |
| 34 | 43 | 44 | 46 | 46 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | |
| 35 | 44 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | |
| 35 | 44 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | |
| 35 | 44 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | |
| 35 | 46 | 48 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | |
| 37 | 46 | 47 | 49 | 49 | 49 | 49 | 49 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | |
| 37 | 47 | 47 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | |
| 38 | 48 | 49 | 51 | 51 | 51 | 51 | 51 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | |
| 38 | 48 | 50 | 52 | 52 | 52 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | |
| 38 | 48 | 50 | 52 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | |
| 42 | 52 | 51 | 53 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | |
| 42 | 51 | 52 | 54 | 54 | 54 | 54 | 54 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | |
| 42 | 52 | 54 | 56 | 55 | 56 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | |
| 43 | 55 | 55 | 58 | 58 | 58 | 59 | 58 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | |
| 44 | 56 | 57 | 60 | 60 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | |
| 47 | 56 | 59 | 63 | 63 | 63 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | |
| 46 | 58 | 62 | 63 | 64 | 64 | 64 | 64 | 64 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | |
| 46 | 59 | 62 | 65 | 66 | 66 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | |
| 47 | 61 | 63 | 67 | 71 | 71 | 72 | 72 | 72 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | |
| 49 | 64 | 67 | 73 | 74 | 74 | 76 | 76 | 76 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | |
| 49 | 66 | 67 | 75 | 77 | 77 | 79 | 79 | 79 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | |
| 47 | 67 | 71 | 78 | 80 | 80 | 81 | 82 | 82 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | |
| | 68 | 72 | 80 | 82 | 82 | 85 | 85 | 85 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | |
| | 69 | 74 | 81 | 83 | 83 | 86 | 87 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | |
| 1 | 71 | 75 | 83 | 85 | 85 | 89 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | |
| 1 | 71 | 75 | 83 | 86 | 86 | 90 | 91 | 91 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | |
| 1 | 72 | 75 | 84 | 87 | 87 | 92 | 93 | 94 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | |
| 1 | 72 | 75 | 84 | 87 | 87 | 92 | 94 | 94 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | |
| 1 | 71 | 75 | 84 | 87 | 88 | 92 | 94 | 95 | 96 | 97 | 97 | 97 | 98 | 98 | 98 | |
| 1 | 71 | 75 | 84 | 87 | 88 | 93 | 95 | 95 | 97 | 98 | 98 | 99 | 99 | 99 | 99 | |

A. NUMBER OF OBSERVATIONS 778

2

# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY

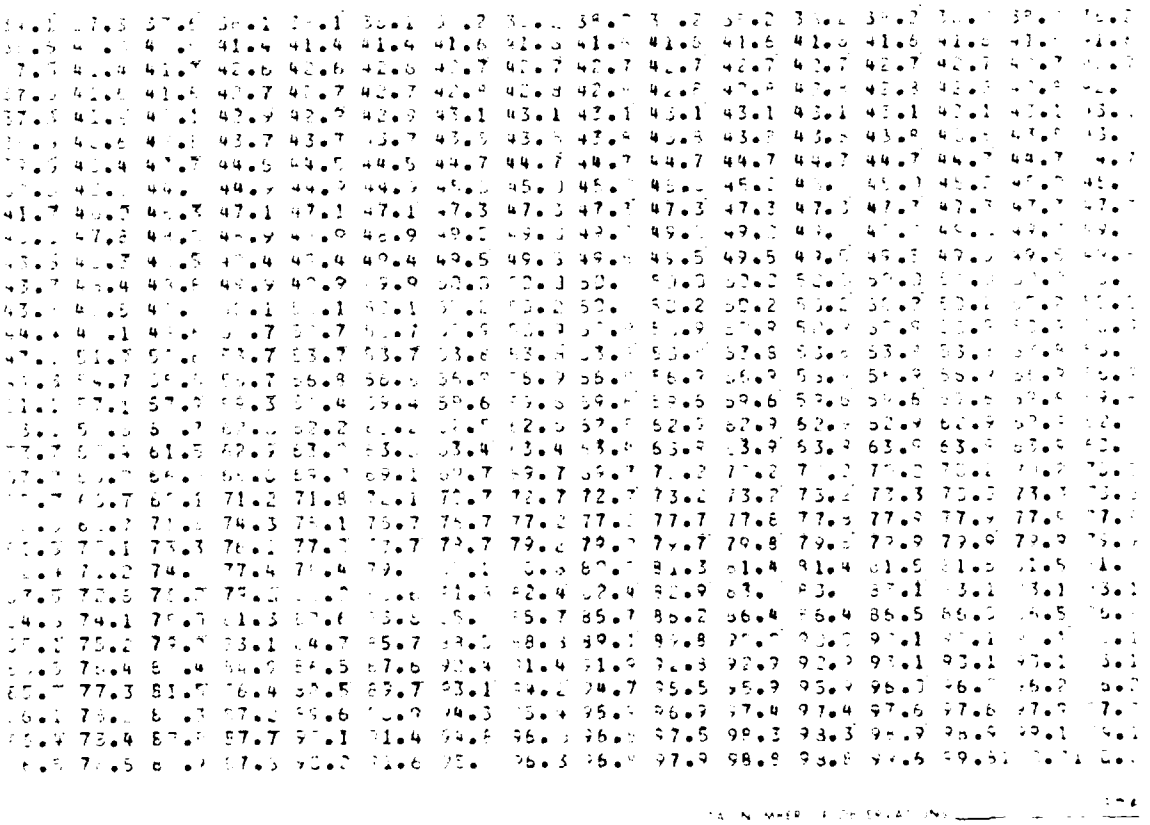
2

# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY

# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

2

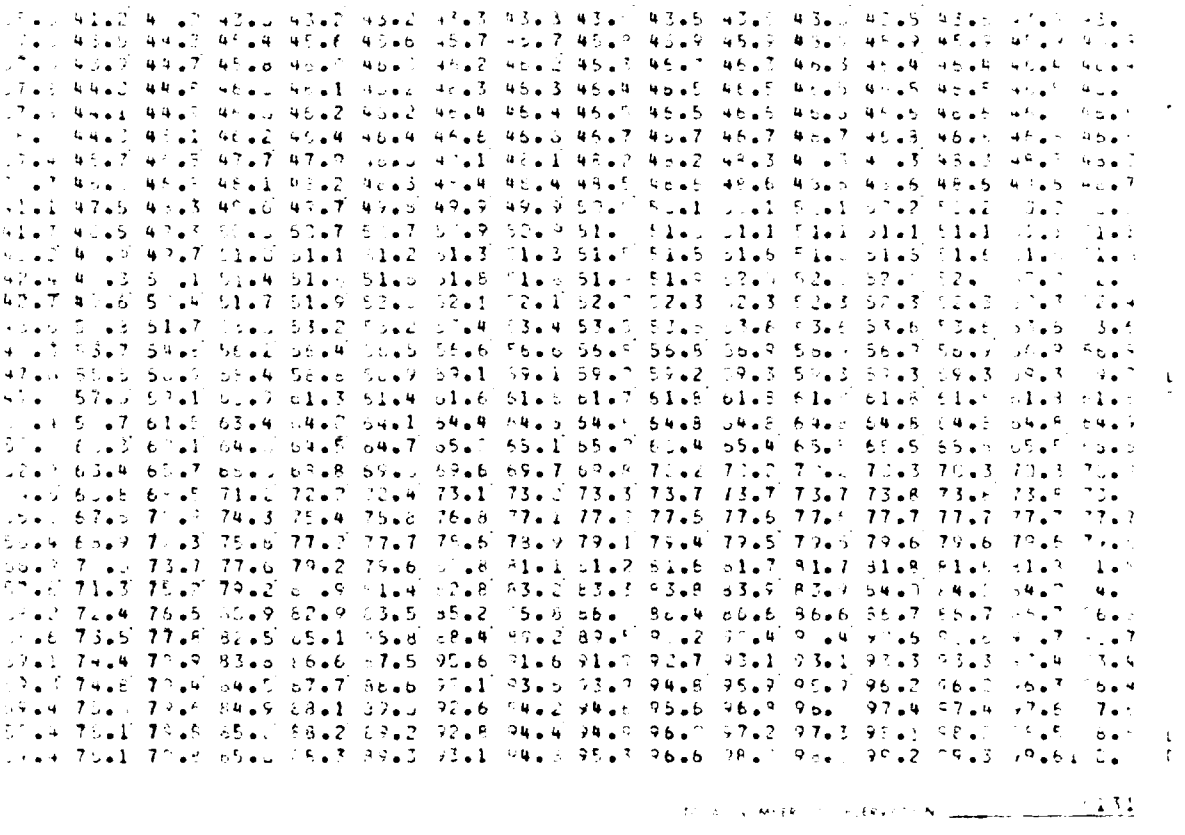
# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | 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 |
| [illegible] | 44.5 | 45.7 | 46.4 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| [illegible] | 45.2 | [illegible] | 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 |
| [illegible] | 45.2 | [illegible] | 47.1 | 47.3 | 47.3 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | [illegible] |
| [illegible] | [illegible] | [illegible] | 47.1 | 47.3 | 47.3 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | [illegible] |
| [illegible] | 45.2 | [illegible] | 47.1 | 47.3 | 47.3 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | [illegible] |
| [illegible] | 47.5 | 48.7 | 49.9 | 50.1 | [illegible] | [illegible] | [illegible] | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | [illegible] | [illegible] | [illegible] |
| 43.4 | [illegible] | [illegible] | 50.4 | 50.6 | [illegible] | 50.8 | 50.8 | [illegible] | 50.8 | 50.8 | [illegible] | 50.8 | 50.8 | 50.8 | [illegible] |
| 45.3 | 49.9 | 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 | [illegible] |
| [illegible] | [illegible] | [illegible] | 53.1 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | [illegible] | [illegible] |
| [illegible] | 51.1 | 52.4 | [illegible] | 53.8 | [illegible] | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 51.1 | 52.4 | 53.6 | 53.8 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | [illegible] | [illegible] |
| 45.4 | 51.1 | 52.4 | 53.6 | 53.8 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | [illegible] | [illegible] |
| [illegible] | 52.4 | 53.6 | 54.6 | [illegible] | [illegible] | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | [illegible] | [illegible] |
| [illegible] | 53.2 | [illegible] | [illegible] | [illegible] | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 59.6 | 59.9 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 57.7 | 59.4 | [illegible] | 62.4 | 62.6 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 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 |
| [illegible] | 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 |
| [illegible] | 65.4 | [illegible] | 69.2 | 69.6 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | [illegible] |
| [illegible] | [illegible] | 71.5 | 73.3 | 73.6 | 73.8 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | [illegible] |
| [illegible] | 71.5 | [illegible] | [illegible] | [illegible] | 77.2 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| [illegible] | [illegible] | [illegible] | [illegible] | 78.7 | 78.9 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | [illegible] |
| [illegible] | 74.5 | 77.3 | [illegible] | [illegible] | 81.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | [illegible] | [illegible] |
| [illegible] | 75.4 | [illegible] | 81.7 | 82.4 | [illegible] | 84.4 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| [illegible] | 76.1 | 80.1 | 83.5 | 84.2 | 84.9 | [illegible] | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | [illegible] | [illegible] |
| [illegible] | 76.8 | 83.8 | 84.9 | 86.1 | 86.6 | 89.3 | 89.6 | 89.8 | 89.8 | 90.0 | [illegible] | 90.2 | 90.2 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 86.6 | [illegible] | 89.1 | 91.9 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 93.0 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 87.5 | [illegible] | 88.4 | 89.5 | 93.6 | 94.4 | 94.4 | 94.4 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| [illegible] | [illegible] | 87.6 | 87.3 | 88.8 | 89.6 | 93.5 | 95.3 | 95.4 | 95.6 | 96.5 | 96.5 | 97.0 | 97.0 | [illegible] | [illegible] |
| [illegible] | [illegible] | 87.6 | 87.3 | 88.9 | [illegible] | 93.7 | 95.4 | 95.6 | [illegible] | [illegible] | [illegible] | 97.7 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 87.3 | 89.1 | 90.2 | 94.4 | 96.1 | [illegible] | 97.4 | 98.4 | 98.4 | 99.3 | [illegible] | [illegible] | [illegible] |

TOTAL NUMBER OF OBSERVATIONS [illegible]

2

# CEILING VERSUS VISIBILITY



CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

[illegible] AFS [illegible] 73-8[illegible] [illegible]

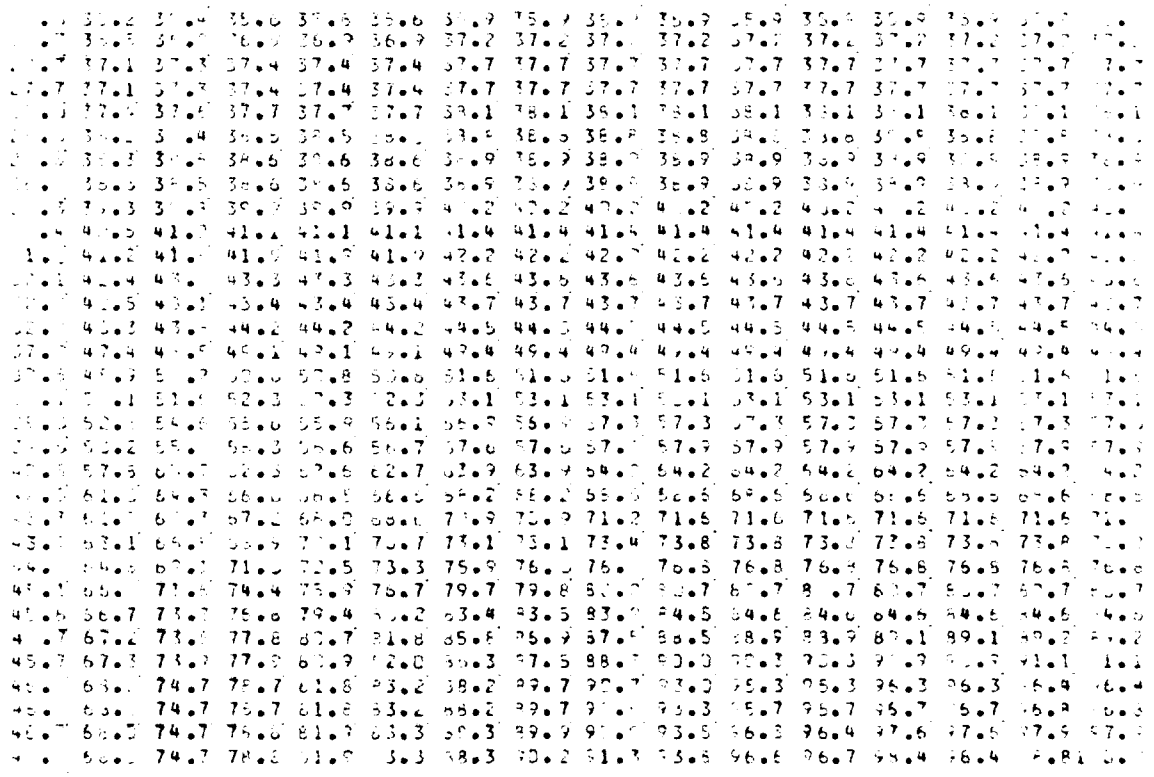
PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 3[illegible].4 | 38.7 | 36.7 | 38.7 | 36.7 | 36.8 | 36.8 | 36.9 | 36.5 | 36.[illegible] | 36.8 | 36.[illegible] | [illegible] | [illegible] | 36. |
| [illegible] | 3[illegible] | 3[illegible] | 38.3 | 3[illegible].3 | 38.3 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | [illegible] |
| [illegible] | 38.4 | 3[illegible].6 | 38.6 | 38.6 | 38.6 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | [illegible].7 |
| [illegible] | 38.4 | 3[illegible].6 | 38.6 | 38.6 | 38.6 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | [illegible] | [illegible] |
| [illegible] | 38.5 | 38.7 | 38.7 | 38.7 | 38.7 | 38.8 | 38.8 | 38.9 | 38.8 | 38.8 | 38.8 | 38.9 | 38.[illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 3[illegible] | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.5 | 39.6 | 39.6 | 39.6 | 39.5 | 39.[illegible] | [illegible] |
| [illegible] | [illegible].3 | 3[illegible].5 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.5 | 39.6 | 39.6 | 3[illegible].6 | 39.6 | 39.6 | [illegible] |
| [illegible] | [illegible].3 | 3[illegible].5 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.[illegible] | 39.[illegible] |
| [illegible].3 | 40.4 | 40.8 | 40.8 | 40.8 | 40.8 | 41.0 | 41.0 | 41.[illegible] | 41.[illegible] | 41.[illegible] | 41.[illegible] | 41.[illegible] | 41. | 41.[illegible] | [illegible] |
| [illegible] | 41.0 | 41.4 | 41.4 | 41.4 | 41.4 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.[illegible] | 41.8 | 41.[illegible] | 41.[illegible] | 41.[illegible] |
| [illegible] | 42.3 | 42.6 | 42.6 | 42.6 | 42.6 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.[illegible] | [illegible] |
| [illegible] | 42.7 | 43.1 | 43.1 | 43.1 | 43.1 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.[illegible] | [illegible] | [illegible] |
| 33.4 | 42.7 | 43.[illegible] | 43.3 | 43.3 | 43.3 | 43.8 | 43.8 | 43.9 | 43.9 | 43.9 | 43.[illegible] | 4[illegible] | 43. | [illegible] | [illegible] |
| 34.1 | 43.3 | 43.[illegible] | 43.9 | 43.9 | 43.9 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.[illegible] | 44.3 | 44.[illegible] |
| [illegible].3 | 47.3 | 47.3 | 47.5 | 47.8 | 47.8 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 4[illegible] | 4[illegible] | 4[illegible] | [illegible] | [illegible] |
| [illegible] | 4[illegible] | 4[illegible].7 | 49.[illegible] | 49.[illegible] | 49.9 | 50.5 | 50.5 | 50.[illegible] | 50.6 | 50.6 | 50.6 | [illegible] | [illegible] | [illegible] | [illegible] |
| 36.[illegible] | 4[illegible] | 5[illegible] | 51.2 | 51.3 | 51.3 | 51.9 | 51.9 | 51.[illegible] | 52.0 | 52.[illegible] | 52. | 52.[illegible] | 52.[illegible] | [illegible] | [illegible] |
| [illegible] | 52.7 | 53.7 | 54.3 | 54.5 | 54.[illegible] | 55.4 | 55.4 | 55.5 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 37.6 | [illegible] | 5[illegible] | 54.9 | 55.3 | 55.4 | 56.2 | 56.2 | 56.4 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | [illegible] | 56.[illegible] |
| [illegible].4 | 56.2 | 59.1 | 59.7 | 60.3 | 60.4 | 61.6 | 61.9 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | [illegible] |
| [illegible] | [illegible].1 | 63.9 | 63.8 | 63.6 | 63.7 | 65.3 | 65.5 | 65.5 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | [illegible] |
| [illegible] | [illegible] | [illegible] | 65.3 | 65.9 | 66.3 | [illegible] | 68.3 | 68.9 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | [illegible] |
| [illegible] | 61.9 | 63.[illegible] | 66.7 | 67.9 | 68.4 | 70.2 | 70.4 | 70.7 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.[illegible] |
| 43.[illegible] | 63.[illegible] | 6[illegible].8 | 68.6 | 69.9 | 70.3 | 72.2 | 72.6 | 72.[illegible] | 73.7 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 |
| [illegible] | 64.6 | 6[illegible].3 | 72.1 | 73.5 | 74.1 | 76.3 | 76.7 | 77.[illegible] | 77.8 | 77.9 | 77.9 | 78.[illegible] | 78. | 78.[illegible] | 78. |
| 44.1 | 6[illegible].5 | 7[illegible] | 73.9 | 76.1 | 77.0 | 79.2 | 79.6 | 79.8 | 80.6 | 81.[illegible] | 81.[illegible] | 81.1 | 81.1 | 81.1 | 81.[illegible] |
| 44.1 | 66.2 | 7[illegible].5 | 75.6 | 75.0 | 79.4 | 82.4 | 83.5 | 83.6 | 85.3 | 86.[illegible] | 86.[illegible] | 86.1 | 86.1 | 86.1 | 86.[illegible] |
| 44.[illegible] | 66.7 | 71.2 | 76.3 | 78.5 | 79.8 | 83.0 | [illegible]4.7 | 85.1 | 87.4 | 88.4 | 88.4 | 88.8 | 88.8 | 88.9 | 89.1 |
| 44.1 | 67.1 | 77.1 | 77.1 | 79.3 | 80.8 | 84.3 | 86.4 | 87.1 | 90.0 | 93.6 | 93.6 | 93.9 | 93.9 | 9[illegible].9 | 94.3 |
| 44.1 | 67.[illegible] | 7[illegible].4 | 77.4 | 79.6 | 81.1 | 85.2 | 86.3 | 87.5 | 91.[illegible] | 94.6 | 94.6 | 95.0 | 95.1 | 95.2 | 95.[illegible] |
| 44.1 | 67.5 | 77.4 | 77.4 | 79.6 | 81.1 | 85.5 | 87.1 | 87.7 | 91.2 | 95.4 | 95.5 | 96.1 | 96.2 | 96.7 | 97.3 |
| 44.1 | 67.5 | 77.4 | 77.4 | 79.6 | 81.1 | 85.5 | 87.4 | 88.1 | 91.5 | 95.8 | 95.9 | 97.[illegible] | 97.3 | 98.[illegible] | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 57

2

# CEILING VERSUS VISIBILITY



2

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

# CEILING VERSUS VISIBILITY

CAPE NEWENHAM AFS AK 73-[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

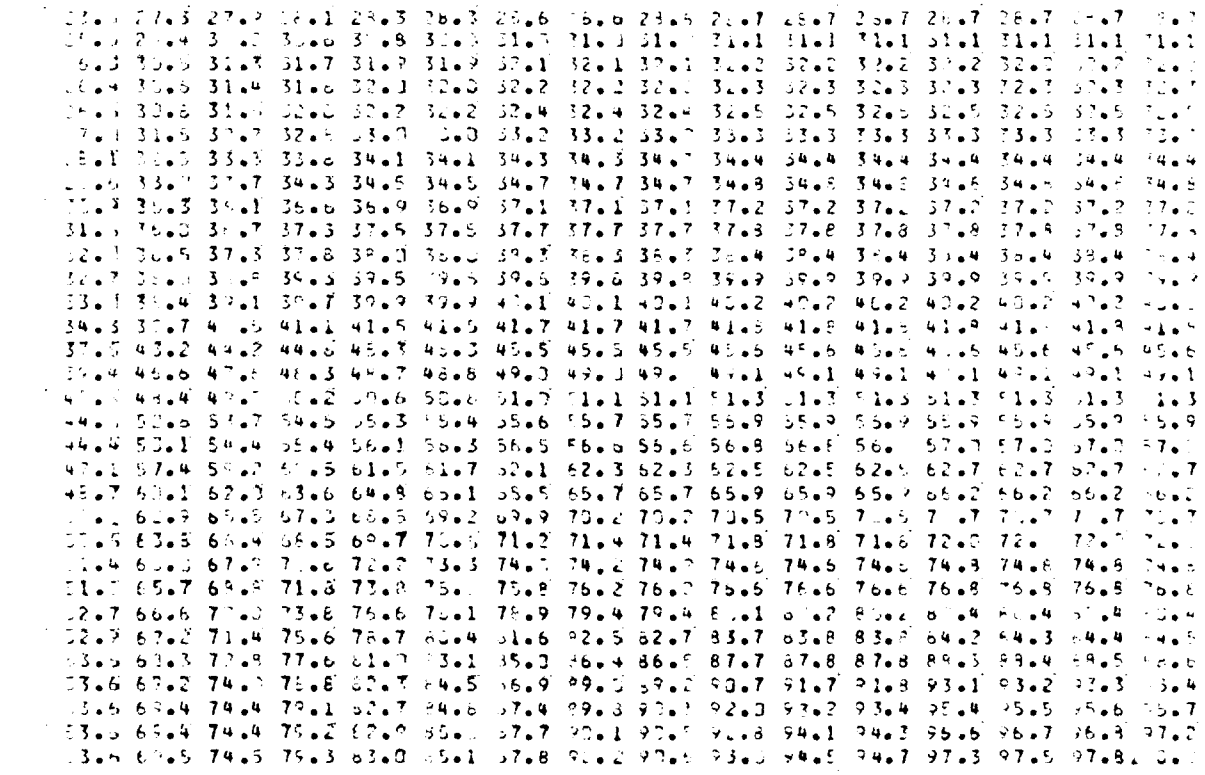
| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | 30.9 | 31.0 | 31.[illegible] | 31.3 | 31.6 | 31.[illegible] | 31.6 | 31.6 | 31.6 | 31.6 | 31.[illegible] | [illegible] | [illegible] |
| 25.4 | 31.[illegible] | [illegible] | 32.1 | 32.2 | 32.2 | 32.5 | 32.9 | 32.[illegible] | 32.9 | 32.9 | 32.[illegible] | 32.9 | 32.[illegible] | [illegible] | [illegible] |
| 27.1 | 32.[illegible] | 33.1 | 33.2 | 33.3 | 33.3 | 33.6 | 33.9 | 33.[illegible] | 33.9 | 33.9 | 33.9 | 33.9 | 33.[illegible] | [illegible] | [illegible] |
| 27.1 | 32.[illegible] | 33.1 | 33.2 | 33.3 | 33.3 | 33.6 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.[illegible] | [illegible] | [illegible] |
| 27.[illegible] | 33.0 | 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 |
| [illegible] | 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.[illegible] | 34.7 | 34.7 |
| 28.[illegible] | 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.[illegible] | 35.6 | [illegible] |
| [illegible] | 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.[illegible] | 35.6 | [illegible] |
| [illegible] | 35.5 | 35.7 | 35.8 | 36.0 | 36.[illegible] | 36.3 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | [illegible].7 | [illegible] |
| [illegible] | 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.[illegible] | [illegible] |
| [illegible] | 36.6 | 36.8 | 36.9 | 37.1 | 37.1 | 37.4 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.[illegible] | 37.8 | [illegible] |
| 31.2 | 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.[illegible] | [illegible] | [illegible] |
| 32.2 | 38.8 | 39.3 | 39.4 | 39.6 | 39.6 | 39.9 | 40.3 | 40.[illegible] | 40.3 | 40.3 | 40.3 | 40.3 | 40.[illegible] | 40.[illegible] | [illegible] |
| 33.5 | 4[illegible].4 | 4[illegible].8 | 4[illegible].9 | 41.1 | 41.[illegible] | 41.5 | 41.8 | 41.[illegible] | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.[illegible] | 41.[illegible] |
| 37.[illegible] | 44.3 | 45.2 | 45.4 | 45.6 | 45.6 | 46.[illegible] | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| [illegible].1 | 46.9 | 47.9 | 48.[illegible] | 48.3 | 48.4 | 49.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| [illegible] | 4[illegible].9 | 49.[illegible] | 50.2 | 50.4 | 50.5 | 51.4 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | [illegible].7 | [illegible].7 |
| [illegible].4 | 54.2 | 55.6 | 55.[illegible] | 56.4 | 56.5 | 57.5 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | [illegible].8 |
| 44.3 | 55.3 | 56.8 | 57.[illegible] | 57.6 | 57.7 | 58.7 | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] |
| 45.[illegible] | 59.2 | 61.[illegible] | 62.[illegible] | 63.3 | 63.4 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.[illegible] | 65.[illegible] | 65.[illegible] | 65.[illegible] |
| 45.1 | 61.9 | 64.9 | 65.6 | 66.8 | 66.9 | 68.1 | 68.4 | 68.4 | 68.4 | 68.6 | 68.6 | 6[illegible].7 | 68.7 | 68.7 | [illegible]8.7 |
| 49.[illegible] | 64.1 | 67.4 | 68.6 | 69.9 | 70.5 | 71.6 | 71.9 | 72.0 | 72.1 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 |
| 5[illegible].4 | 65.5 | 69.1 | 7[illegible].4 | 71.7 | 72.1 | 73.7 | 74.0 | 74.1 | 74.2 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 |
| [illegible] | 66.6 | 70.6 | 72.1 | 73.4 | 73.9 | 75.4 | 75.1 | 76.[illegible] | 76.3 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 |
| 51.[illegible] | 67.7 | 73.3 | 74.[illegible] | 75.3 | 75.8 | 77.4 | 78.[illegible] | 78.1 | 78.2 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 |
| [illegible]1.6 | 6[illegible].4 | 73.9 | 76.[illegible] | 77.8 | 78.[illegible] | 80.1 | 81.[illegible] | 81.1 | 81.3 | 81.6 | 81.6 | 82.[illegible] | 82.[illegible] | [illegible] | [illegible] |
| 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 | [illegible]7.6 |
| [illegible].2 | 71.2 | 76.[illegible] | 79.6 | 81.4 | 82.4 | 85.1 | 86.[illegible] | 87.1 | 88.4 | 89.3 | 89.3 | 89.8 | 89.9 | 90.0 | [illegible].1 |
| 52.[illegible] | 71.8 | 76.8 | 79.7 | 82.6 | 83.7 | 86.9 | 89.[illegible] | 89.7 | 91.5 | 93.9 | 93.[illegible] | 94.9 | 95.[illegible] | 95.1 | 95.2 |
| 52.[illegible] | 71.8 | 76.8 | 79.7 | 82.7 | 83.9 | 87.4 | 89.8 | 90.1 | 91.9 | 94.8 | 94.[illegible] | 96.2 | 96.3 | 96.4 | 96.5 |
| 52.[illegible] | 71.8 | 76.8 | 79.9 | 82.9 | 84.1 | [illegible]7.8 | 90.3 | 90.6 | 92.5 | 95.3 | 95.4 | 95.8 | 97.1 | 97.3 | 97.4 |
| 52.9 | 71.8 | 76.8 | 79.9 | 82.9 | 84.1 | 88.[illegible] | 90.8 | 91.1 | 93.[illegible] | 95.9 | 96.[illegible] | 98.4 | 98.6 | 98.9 | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 919

2

# CEILING VERSUS VISIBILITY

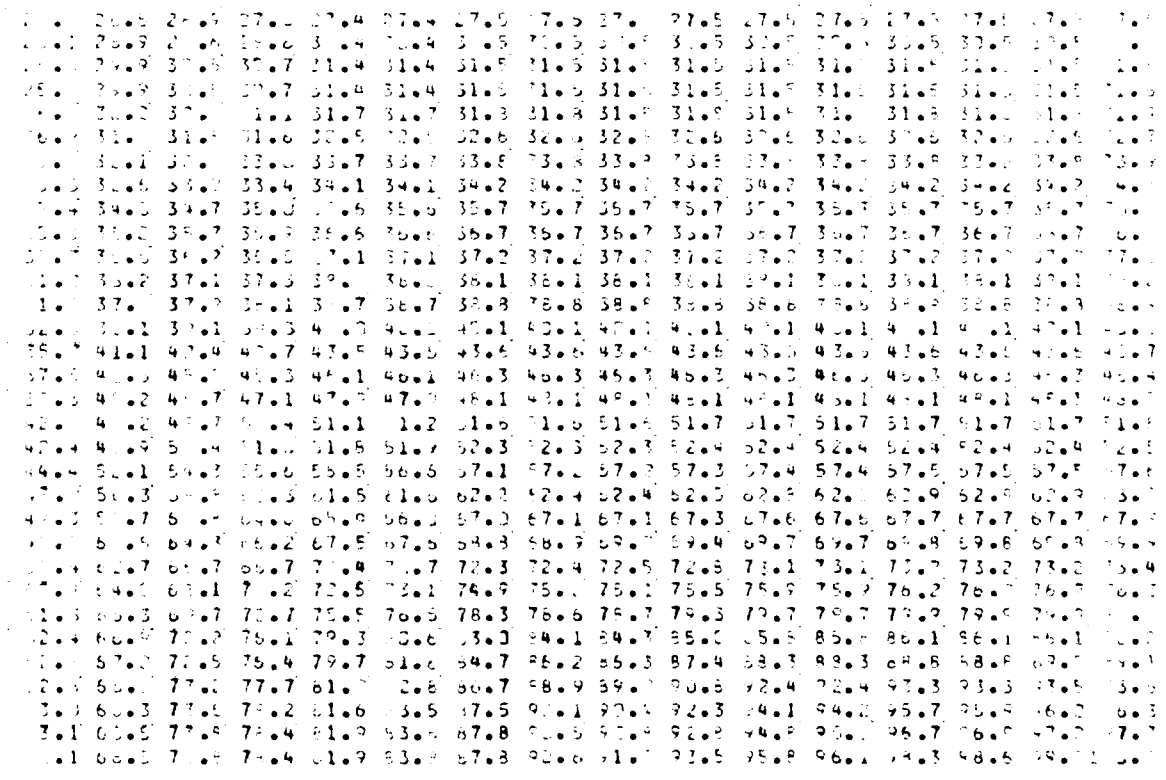
# CEILING VERSUS VISIBILITY



TOTAL NUMBER OF OBSERVATIONS ____ 2723

2

# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

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

2

# CEILING VERSUS VISIBILITY

...CAPE NEWENHAM, ALASKA 73-...

...PERCENTAGE FREQUENCY OF OCCURRENCE
...HOURLY OBSERVATIONS)

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ...7.3 | 34.7 | 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 | 32. |
| 33.7 | 33.6 | 33.7 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34. |
| 31.2 | 34.1 | 34.2 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| 31.4 | 34.4 | 34.5 | 34.6 | 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 |
| 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 | 35. |
| 31.4 | 34.6 | 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 | 35. |
| 31.7 | 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 | 35. |
| 31.8 | 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 | 35. |
| 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 | 37. |
| 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 | 38. |
| 34.1 | 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 | 38. |
| 34.1 | 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 | 38. |
| 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 | 39. |
| 35.5 | 41.5 | 41.7 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41. |
| 35.7 | 44.7 | 45.1 | 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 | 45. |
| 41.1 | 46.6 | 47.1 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47. |
| 42.4 | 47.2 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47. |
| 43.1 | 47.3 | 47.5 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51. |
| 43.7 | 47.7 | 51.7 | 51.6 | 52.1 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52. |
| 47.5 | 55.2 | 56.1 | 56.1 | 56.4 | 56.4 | 56.8 | 57.1 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57. |
| 47.1 | 56.2 | 59.1 | 60.3 | 60.6 | 61.0 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61. |
| 47.1 | 56.1 | 61.1 | 62.6 | 62.9 | 63.4 | 64.1 | 64.2 | 64.4 | 64.5 | 64.5 | 64.5 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65. |
| 48.3 | 59.1 | 61.7 | 64.1 | 64.8 | 65.3 | 66.0 | 65.1 | 66.7 | 66.7 | 66.8 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67. |
| 48.3 | 61.3 | 63.7 | 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 | 70.2 | 70. |
| 48.7 | 61.6 | 65.5 | 69.2 | 71.1 | 73.7 | 71.9 | 72.2 | 72.2 | 73.4 | 73.5 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73. |
| 49.3 | 62.3 | 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 | 78. |
| 49.3 | 64.2 | 67.7 | 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 | 85. |
| 49.7 | 64.4 | 68.8 | 74.6 | 76.8 | 77.7 | 81.9 | 84.5 | 84.5 | 86.4 | 86.9 | 87.3 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87. |
| 49.9 | 64.7 | 71.1 | 76.3 | 79.3 | 79.1 | 83.5 | 86.5 | 86.5 | 88.7 | 90.8 | 91.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92. |
| 49.9 | 65.2 | 71.2 | 76.4 | 79.7 | 79.5 | 84.1 | 87.1 | 87.3 | 89.3 | 92.3 | 92.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94. |
| 49.7 | 65.7 | 71.2 | 76.5 | 79.8 | 79.6 | 84.2 | 87.2 | 87.4 | 89.6 | 92.5 | 93.3 | 94.6 | 94.8 | 94.9 | 94.9 | 94.9 | 95.5 | 95. |
| 49.7 | 65.6 | 71.2 | 76.5 | 79.8 | 79.6 | 84.2 | 87.3 | 87.4 | 89.1 | 92.4 | 93.5 | 95.2 | 96.1 | 97.6 | 98.1 | 98.1 | 98.1 | 98. |

TOTAL NUMBER OF OBSERVATIONS 741

2

# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 25.1 | 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 | |
| | 26.3 | 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 | 26.9 | |
| | 26.5 | 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 | |
| | 26.5 | 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 | |
| | 26.1 | 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 | |
| | 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 | |
| 22.5 | 26.9 | 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 | |
| | 27.3 | 27.8 | 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 | |
| 25.9 | 28.4 | 29.2 | 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 | |
| | 30.3 | 31.2 | 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 | |
| | 30.6 | 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 | |
| | 31.7 | 32.8 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | |
| 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 | |
| 28.4 | 33.8 | 34.5 | 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 | |
| 31.3 | 37.7 | 38.9 | 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 | |
| 32.7 | 41.5 | 42.6 | 43.1 | 43.1 | 43.1 | 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 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | |
| 36.1 | 47.3 | 48.6 | 49.8 | 50.1 | 50.1 | 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 | 51.9 | 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 | 54.6 | 54.8 | 55.1 | 55.9 | 55.9 | 55.9 | 55.9 | 56. | 56. | 56.0 | 56.1 | 56.1 | 56.1 | |
| 39.7 | 53.5 | 56.7 | 58.3 | 59.6 | 58.9 | 59.8 | 59.8 | 59.8 | 59.8 | 60. | 60. | 60.0 | 60.1 | 60.1 | 60.1 | |
| 41.1 | 56.9 | 61.0 | 63.4 | 63.9 | 64.1 | 65.3 | 65.3 | 65.7 | 65.3 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | |
| 42.1 | 58.5 | 62.6 | 65.1 | 65.7 | 66.2 | 67.3 | 67.5 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | |
| 43.1 | 60.2 | 65.1 | 67.6 | 68.3 | 68.9 | 70.1 | 70.6 | 71.5 | 70.7 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | |
| 43.8 | 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 | |
| 44.3 | 63.2 | 69.5 | 73.2 | 74.1 | 75.7 | 77.2 | 77.6 | 78. | 78.8 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | |
| 45.7 | 65.7 | 72.0 | 76.1 | 78.0 | 79.5 | 81.9 | 82.5 | 82.9 | 83.5 | 84. | 84.0 | 84.7 | 84.8 | 84.8 | 84.8 | |
| 46.1 | 66.5 | 73.2 | 78.8 | 81.1 | 82.7 | 85.6 | 86.5 | 86.9 | 88.0 | 88.2 | 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 | 92.4 | 92.4 | 92.4 | 92.4 | |
| 46.5 | 67.3 | 74.1 | 80.0 | 82.4 | 84.1 | 87.3 | 88.5 | 89.1 | 90.9 | 93.6 | 93.8 | 95.8 | 95.9 | 96.2 | 96.2 | |
| 46.5 | 67.3 | 74.1 | 80.1 | 82.5 | 84.2 | 87.4 | 88.9 | 89.8 | 91.3 | 94.3 | 94.3 | 97.7 | 97.8 | 98.8 | 98.5 | |
| 46.5 | 67.3 | 74.1 | 80.1 | 82.5 | 84.2 | 87.4 | 88.9 | 89.8 | 91.3 | 94.3 | 94.3 | 98.5 | 98.8 | 99.71 | 100. | |

TOTAL NUMBER OF OBSERVATIONS 881

...L CLIMATOLOGY BRANCH
...TAC
2 ... WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

... CAPE GEARHAM AFS AK 75-84 ...

... ESTIMATE FREQUENCY OF OCCURRENCE 1400- 0...
FROM HOURLY OBSERVATIONS

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ...1.7 | 22.7 | 27.3 | 22.8 | 22.9 | 23.1 | 27.2 | 23.2 | 23.3 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.7 | 3.3 |
| ...2.1 | 23.6 | 23.7 | 23.7 | 23.7 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| ...2.1 | 24.0 | 24.1 | 24.1 | 24.1 | 24.3 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 |
| ...2.1 | 24.2 | 24.3 | 24.4 | 24.4 | 24.6 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 4... |
| ...2.4 | 24.5 | 24.5 | 24.7 | 24.7 | 25.0 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.2 |
| ...3.7 | 24.9 | 25.1 | 25.1 | 25.1 | 25.3 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.5 |
| ...4.1 | 26.1 | 26.1 | 26.2 | 26.2 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.7 |
| ...5.4 | 26.5 | 26.7 | 26.8 | 26.9 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27. |
| ...6.3 | 27.7 | 27.8 | 28.0 | 28.0 | 28.2 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | ...8 |
| ...7.6 | 29.7 | 29.9 | 30.1 | 30.1 | 30.4 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | ... |
| 27.7 | 29.8 | 29.9 | 30.3 | 30.3 | 30.5 | 30.6 | 30.8 | 30.9 | 30.8 | 30.8 | 30.9 | 30.8 | 30.9 | 30.9 | ...9 |
| ...9.1 | 31.1 | 31.2 | 31.5 | 31.5 | 31.7 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.2 |
| ...9.1 | 31.2 | 31.7 | 31.6 | 31.6 | 31.8 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.3 |
| ...0.9 | 32.3 | 33.1 | 33.5 | 33.5 | 33.7 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.2 |
| ...1.1 | 35.9 | 39.3 | 39.9 | 39.9 | 40.2 | 40.8 | 40.8 | 40.9 | 40.8 | 40.8 | 40.8 | 40.8 | 40.9 | 40.9 | 41.1 |
| ...8.2 | 42.3 | 41.7 | 42.4 | 42.4 | 42.6 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.4 |
| 4... | 44.9 | 45.9 | 46.7 | 46.8 | 47.0 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 43. | 47.2 | 5...6 | 52.1 | 52.1 | 52.3 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 |
| 44.3 | 49.6 | 51.5 | 52.9 | 53.1 | 53.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 |
| 47.3 | 54.2 | 56.3 | 58.3 | 58.9 | 59.2 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 |
| 47.9 | 5...3 | 59.4 | 61.6 | 61.3 | 61.5 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 3... |
| 49.7 | 5...9 | 61.8 | 64.6 | 65.4 | 65.6 | 67.4 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.... |
| ... | 6...3 | 63.3 | 66.4 | 67.3 | 67.6 | 69.4 | 69.5 | 69.5 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 7... |
| 51.7 | 61.9 | 64.2 | 66.7 | 69.7 | 7...2 | 72.1 | 72.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.6 |
| 2.2 | 62.9 | 66.4 | 69.9 | 71.... | 71.5 | 73.3 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.9 |
| ...3.3 | 64.5 | 6...4 | 72.9 | 74.6 | 75.6 | 77.5 | 77.8 | 78.... | 78.2 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.6 |
| 54.3 | 64.1 | 7...1 | 75.3 | 77.3 | 78.4 | 80.9 | 81.9 | 82.... | 82.5 | 82.7 | 82.8 | 83.2 | 83.2 | 83.4 | 83.5 |
| ...5.... | 67.2 | 71.3 | 76.9 | 79.1 | 80.4 | 83.6 | 84.8 | 84.9 | 85.4 | 85.8 | 85.9 | 86.5 | 86.6 | 87.3 | 87.1 |
| 55.5 | 67.7 | 72.... | 77.6 | 8...3 | 81.4 | 84.9 | 87.4 | 87.5 | 88.1 | 89.9 | 90.3 | 91.3 | 91.1 | 91.5 | 91.6 |
| ...5.6 | 67.8 | 72.3 | 78.2 | 8...9 | 82.6 | 86.4 | 89.1 | 89.3 | 9...2 | 93.3 | 93.5 | 95.4 | 95.5 | 96.1 | 96.3 |
| ...5.6 | 67.8 | 7...3 | 78.2 | 80.9 | 82.6 | 86.6 | 89.5 | 89.7 | 91.3 | 94.3 | 94.5 | 97.1 | 97.1 | 97.6 | 98.4 |
| ...5.6 | 67.8 | 7...3 | 78.2 | 80.9 | 82.6 | 86.6 | 89.7 | 89.9 | 91.2 | 94.6 | 94.8 | 97.8 | 97.9 | 98.71 | 2... |

TOTAL NUMBER OF OBSERVATIONS 689

2

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.1 | 24.1 | 27.4 | 22.6 | 22.6 | 22.6 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22. |
| 24.4 | 24.6 | 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 |
| 24.3 | 25.4 | 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 |
| 24.3 | 26.5 | 26.5 | 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. |
| 24.3 | 26.7 | 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 |
| 24.7 | 26.3 | 26.3 | 26.5 | 26.5 | 26.7 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27. |
| 27.1 | 23.9 | 29.0 | 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 |
| 27.1 | 29.4 | 29.6 | 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 |
| 27.1 | 30.6 | 31.9 | 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. |
| 30.3 | 32.0 | 32.4 | 32.6 | 32.6 | 32.6 | 33.0 | 33.0 | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. |
| 30.7 | 32.8 | 33.0 | 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. |
| 32.7 | 34.9 | 35.3 | 35.3 | 35.5 | 35.7 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36. | 36.0 | 36. | 36. |
| 33.5 | 35.3 | 35.6 | 35.8 | 35.8 | 36.1 | 36.3 | 36.3 | 36.3 | 36. | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| 34.3 | 37. | 37.4 | 37.8 | 37.8 | 38. | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 |
| 40.3 | 41.9 | 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 |
| 41. | 44.6 | 45.5 | 46.0 | 46.0 | 46.2 | 46.6 | 46.6 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| 44.4 | 46.7 | 49.1 | 49.6 | 49.9 | 50.1 | 50.6 | 50.7 | 50.7 | 50.8 | 50.8 | 50. | 50. | 50. | 50. | 50. | 50. |
| 46.3 | 51.1 | 52.8 | 53.9 | 54.2 | 54.4 | 54.9 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55. |
| 47.4 | 52.4 | 54.4 | 55.5 | 55.7 | 56. | 56.5 | 56.7 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| 48.7 | 53.5 | 57.3 | 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 |
| 51.7 | 57.9 | 62.4 | 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 |
| 52. | 59.6 | 62.9 | 64.5 | 65.1 | 65.7 | 67.2 | 67.5 | 67.5 | 67.8 | 68.0 | 68. | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 53.7 | 61.7 | 64.7 | 66.1 | 66.6 | 67.3 | 68.8 | 69.1 | 69.1 | 69.3 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 56.1 | 64.3 | 67.5 | 71.0 | 72.9 | 73.0 | 73.3 | 73.6 | 73.7 | 73.9 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 56.3 | 64.7 | 68.7 | 72.7 | 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 |
| 57.3 | 66.2 | 69.8 | 73.3 | 74.7 | 76.1 | 77.6 | 78.3 | 78.4 | 78.7 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 58.9 | 66.5 | 72.5 | 76.1 | 77.8 | 79.2 | 81.3 | 82.1 | 82.2 | 82.8 | 83.6 | 83.6 | 84.3 | 84.3 | 84.3 | 84.3 | 84. |
| 59.3 | 69.7 | 73.7 | 77.5 | 79.6 | 81.5 | 84.7 | 85.6 | 85.7 | 86.4 | 87.5 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88. |
| 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 |
| 59.3 | 71.3 | 74.4 | 78.3 | 81.0 | 83.2 | 87.6 | 89.6 | 89.8 | 91.2 | 94.2 | 94.2 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 59.7 | 73.3 | 74.7 | 78.7 | 81.3 | 83.5 | 89.3 | 90.9 | 91.1 | 92.7 | 95.6 | 95.6 | 97.2 | 97.2 | 97.2 | 97.2 | 96.4 |
| 59.7 | 76.3 | 74.8 | 78.8 | 81.6 | 83.7 | 89.2 | 91.1 | 91.3 | 93.1 | 96.1 | 96.1 | 98.1 | 98.1 | 98.1 | 98.1 | 0.3 |

TOTAL NUMBER OF OBSERVATIONS 89

2

# CEILING VERSUS VISIBILITY

L RAL CLIMATOLOGY BRANCH
...LTAC
2 ... WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

... CAPE NEWENHAM AFS AK 73-75 ...

...

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | 21.3 | 21.4 | 21.4 | 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 | ... |
| ... | 26.2 | 26.4 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.6 | 26.6 | 26.6 | 26.6 | ... |
| ... | 27.3 | 27.4 | 27.4 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | ... |
| ... | 27.4 | 27.5 | 27.5 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | ... |
| ... | 27.4 | 27.5 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | ... |
| 27.3 | 28.7 | 28.8 | 28.8 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | ... | ... | ... |
| ... | ... | 3 .4 | 3 .4 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | ... |
| ... | ... | 3 .4 | 3 .4 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | ... |
| ... | 31.9 | 31.9 | 31.9 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | ... |
| ... | 34.1 | 34.2 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | ... |
| 35.4 | 35.2 | 35.3 | 35.3 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | ... |
| 35.7 | 37.4 | 37.5 | 37.5 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | ... |
| 35.9 | 37.6 | 37.7 | 37.7 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | ... |
| 38.2 | 40.3 | 40.4 | 40.4 | 4 .5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | ... |
| 42.3 | 44.5 | 44.6 | 44.6 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | ... |
| 44.3 | 46.6 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | ... |
| 46.1 | 49.5 | 49.9 | 50.2 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | ... |
| 46.6 | 51.2 | 51.7 | 52.1 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | ... |
| 47.4 | 51.7 | 52.7 | 53.3 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | ... |
| 51.1 | 57.0 | 58.2 | 59.2 | 59.9 | 60.3 | 60.3 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | ... |
| 54.7 | 61.4 | 63.0 | 63.9 | 64.7 | 65.0 | 65.0 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | ... |
| 55.2 | 61.6 | 65.5 | 66.7 | 67.7 | 68.2 | 68.5 | 68.6 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | ... |
| 56.3 | 65.3 | 67.4 | 68.6 | 69.6 | 70.2 | 70.6 | 70.7 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | ... |
| 58.4 | 68.4 | 70.9 | 72.2 | 73.2 | 73.9 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | ... |
| 59.2 | 69.5 | 72.2 | 73.8 | 74.9 | 75.7 | 76.4 | 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | ... |
| 59.7 | 70.2 | 73.1 | 75.6 | 77.1 | 78.0 | 79.1 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | ... |
| 61.3 | 71.8 | 76.4 | 79.7 | 82.0 | 82.9 | 85.2 | 85.5 | 85.5 | 85.8 | 85.9 | 85.9 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | ... |
| 61.6 | 73.3 | 77.1 | 80.5 | 84.0 | 85.1 | 87.9 | 88.6 | 88.6 | 89.0 | 89.1 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | ... |
| 61.7 | 73.6 | 77.5 | 81.1 | 85.0 | 86.9 | 90.5 | 91.6 | 91.8 | 92.7 | 93.6 | 93.6 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | ... |
| 62.4 | 74.3 | 78.4 | 82.2 | 86.2 | 88.3 | 91.9 | 93.1 | 93.3 | 94.4 | 95.4 | 95.4 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | ... |
| 62.4 | 74.3 | 78.4 | 82.7 | 86.8 | 88.6 | 92.8 | 94.1 | 94.2 | 95.7 | 96.6 | 96.6 | 97.4 | 97.7 | 98.0 | 98.2 | 98.2 | ... |
| 62.4 | 74.3 | 78.4 | 82.7 | 86.8 | 88.6 | 93.0 | 94.5 | 94.8 | 96.4 | 97.8 | 97.9 | 99.2 | 99.4 | 99.91 | 100. | 100. | ... |

TOTAL NUMBER OF OBSERVATIONS 561

AL CLIMATOLOGY BRANCH
TAC
AT [illegible] SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

[illegible] JAMES [illegible] AFB, [illegible] 73-[illegible] AM[illegible]

[illegible] STATE FREQUENCY OF OCCURRENCE [illegible] 2100- 2[illegible]
FROM [illegible] OBSERVATIONS

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 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 |
| 23.0 | 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 | [illegible] |
| 24.7 | 25.9 | 25.9 | 26.0 | 26.1 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | [illegible] |
| 24.[illegible] | 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 | [illegible] |
| 25.1 | 26.2 | 26.3 | 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 | [illegible] |
| 26.4 | 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 | [illegible] |
| 27.6 | 27.8 | 27.8 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | [illegible] |
| [illegible] | 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 | [illegible] |
| 29.4 | 30.7 | 30.9 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.[illegible] | 31.0 | 31.0 | 31.[illegible] | 31.0 | 31.0 | 31.0 | 31.[illegible] | [illegible] |
| [illegible].3 | 31.8 | 31.9 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.[illegible] | 32.0 | 32.0 | 32.0 | [illegible] |
| [illegible].7 | 33.4 | 33.5 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | [illegible] |
| 31.[illegible] | 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 | [illegible] |
| 32.[illegible] | 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 | [illegible] |
| 34.[illegible] | 36.2 | 36.4 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.[illegible] | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | [illegible] |
| 37.6 | 39.3 | 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 | [illegible] |
| 39.[illegible] | 41.[illegible] | 41.1 | 41.4 | 41.5 | 41.5 | 41.5 | 41.5 | 41.[illegible] | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.[illegible] | 41.5 | [illegible] |
| [illegible] | 43.1 | 43.7 | 43.9 | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | [illegible] |
| 41.[illegible] | 45.6 | 46.4 | 46.9 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | [illegible] |
| 42.[illegible] | 46.5 | 46.6 | 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 | [illegible] |
| 49.2 | 50.0 | 51.[illegible] | 52.2 | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | 53.[illegible] | [illegible] |
| 47.[illegible] | 5[illegible].2 | 57.[illegible] | 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 | [illegible] |
| 61.2 | 5[illegible].5 | 61.[illegible] | 62.7 | 63.8 | 63.6 | 64.1 | 64.3 | 64.[illegible] | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | [illegible] |
| 72.5 | 61.2 | 6[illegible].1 | 64.8 | 65.8 | 66.2 | 65.6 | 66.7 | 66.7 | 66.7 | 66.[illegible] | 66.[illegible] | 66.8 | 66.8 | 66.8 | 66.8 | [illegible] |
| 64.[illegible] | 64.7 | 66.7 | 66.6 | 69.8 | 7[illegible].6 | 71.2 | 71.3 | 71.7 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | [illegible] |
| 55.7 | 66.2 | 66.5 | 72.4 | 72.[illegible] | 72.7 | 73.6 | 73.8 | 73.[illegible] | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | [illegible] |
| 56.[illegible] | 67.7 | 72.9 | 73.6 | 75.4 | 76.2 | 77.6 | 77.7 | 77.7 | 77.7 | 78.[illegible] | 7[illegible] | 7[illegible] | 78.[illegible] | 78.[illegible] | 7[illegible] | [illegible] |
| 64.6 | 7[illegible].7 | 74.1 | 78.2 | 82.[illegible] | [illegible].6 | 83.6 | 84.6 | 84.[illegible] | 84.9 | 85.3 | 85.3 | 85.7 | 85.[illegible] | 85.7 | 85.7 | [illegible] |
| [illegible].6 | 7[illegible].6 | 7[illegible].5 | 77.6 | 81.9 | 82.7 | 85.8 | 87.2 | 87.[illegible] | 87.5 | 87.8 | 87.8 | 88.2 | 88.2 | 88.2 | 88.[illegible] | [illegible] |
| 59.7 | 71.7 | 75.5 | 81.[illegible] | 83.[illegible] | 83.7 | 87.3 | 89.[illegible] | 89.4 | 89.9 | 91.4 | 91.4 | 92.1 | 92.2 | 92.2 | 92.[illegible] | [illegible] |
| [illegible].[illegible] | 72.6 | 76.4 | 81.2 | 84.[illegible] | 84.9 | 88.6 | 9[illegible].5 | 90.[illegible] | 91.7 | 93.6 | 93.6 | 94.2 | 94.5 | 94.5 | 94.5 | [illegible] |
| 60.6 | 72.6 | 76.6 | 81.4 | 84.4 | 5.3 | 89.4 | 91.4 | 91.[illegible] | 93.1 | 95.[illegible] | 95.6 | 96.7 | 96.9 | 96.9 | 96.[illegible] | [illegible] |
| [illegible].5 | 72.6 | 7[illegible].6 | 81.7 | 84.6 | 85.5 | 89.9 | 91.7 | 92.[illegible] | 93.9 | 96.[illegible] | 96.[illegible] | 99.7 | 99.[illegible] | 99.5[illegible] | 3.[illegible] | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 78[illegible]

[illegible]

2

DATA PROCESSING BRANCH (partly illegible)
ETAC
AIR WEATHER SERVICE/MAC

CA... ...ENHAM AFB ... 70,75-80 (partly illegible)

PERCENTAGE FREQUENCY OF OCCURRENCE (partly illegible)
FROM HOURLY OBSERVATIONS (partly illegible)

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 20.1 | 23.[illegible] | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.[illegible] | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.[illegible] | [illegible] |
| [illegible] | 25.6 | 26.[illegible] | 26.0 | 26.1 | 26.0 | 26.0 | 26.0 | 26.[illegible] | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26. |
| 22.3 | 26.7 | 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 |
| 22.3 | 26.7 | 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 |
| 22.3 | 26.7 | 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 |
| 22.3 | 26.7 | 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 |
| 24.7 | 26.1 | 28.[illegible] | 28.6 | 28.5 | 28.6 | 28.6 | 28.6 | 28.[illegible] | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| [illegible] | 28.[illegible] | 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 |
| 27.[illegible] | 31.9 | 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 |
| [illegible] | 32.[illegible] | 32.1 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.[illegible] | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 |
| 28.5 | 32.2 | 32.7 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.[illegible] | 32.9 | 32.9 | 32.[illegible] | 32.9 | 32.9 | 32.9 | 32.[illegible] |
| 29.[illegible] | 33.3 | [illegible] | 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 |
| [illegible] | 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 |
| 31.2 | 35.1 | 35.[illegible] | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.[illegible] | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36. |
| 34.5 | 38.6 | 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 |
| 35.4 | 39.5 | 40.[illegible] | 40.8 | 40.8 | 40.8 | 40.5 | 40.8 | 40.8 | 40.8 | 40.8 | [illegible] | [illegible] | [illegible] | [illegible] | 40.8 |
| 36.3 | 40.6 | 41.7 | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| [illegible] | 44.1 | 4[illegible].1 | 45.[illegible] | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 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 |
| 41.5 | 45.7 | 46.1 | 47.2 | 49.9 | 49.9 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 43.2 | 51.3 | 54.7 | 55.3 | 55.9 | 55.9 | 56.4 | 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 | 59.5 | 59.7 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| 45.3 | 55.1 | 58.6 | 60.3 | 61.2 | 61.7 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 46.2 | 57.7 | 61.[illegible] | 64.0 | 64.9 | 65.5 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| 43.8 | 59.1 | 64.1 | 66.7 | 67.9 | 68.7 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 50.1 | 60.5 | 66.5 | 69.9 | 71.3 | 72.4 | 74.4 | 74.7 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| 51.2 | 63.1 | 69.9 | 74.1 | 76.3 | 77.8 | 81.[illegible] | 81.5 | 81.[illegible] | 82.8 | 82.9 | 82.9 | 83.3 | 83.3 | 83.3 | [illegible]3.3 |
| 52.3 | 64.6 | 71.5 | 76.4 | 79.[illegible] | 80.[illegible] | 84.1 | 85.5 | 85.6 | 86.5 | 86.7 | 86.7 | 87.1 | 87.1 | 87.1 | 87.2 |
| 52.3 | 65.1 | 72.3 | 77.4 | 80.5 | 82.2 | 86.2 | 87.3 | 88.5 | 89.5 | 91.2 | 91.2 | 91.8 | 91.8 | 91.9 | 92.1 |
| 53.5 | 66.4 | 73.5 | 78.7 | 81.9 | 83.8 | 87.9 | 90.0 | 90.[illegible] | 91.8 | 93.8 | 94. | 94.7 | 94.7 | 94.9 | 95.1 |
| 53.5 | 66.4 | 73.6 | 78.7 | 82.1 | 84.[illegible] | 88.1 | 90.4 | 91.[illegible] | 92.3 | 95.[illegible] | 95.1 | 96.4 | 96.4 | 96.7 | 96.9 |
| 53.5 | 66.4 | 73.[illegible] | 79.0 | 82.4 | 84.4 | 88.5 | 90.9 | 91.5 | 92.9 | 96. | 96.2 | 98.3 | 98.3 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 78[illegible]

...AL CLIMATOLOGY BRANCH
...STAT
2 ...WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

...CARY GLENNHAM AFB AP 72-...

...RELATIVE FREQUENCY OF OCCURRENCE
...HOURLY OBSERVATION

ALL

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ...7 | 25.1 | 27.7 | 28.5 | 27.1 | 28.0 | 28.6 | 28.5 | 28.0 | 28.6 | 28.6 | 28.6 | 28.6 | 28.4 | 27.6 | 25.5 | |
| ...6 | 26.4 | 26.7 | 26.6 | 26.9 | 26.7 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.1 | |
| 26.7 | 26.2 | 26.4 | 26.6 | 26.6 | 26.7 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.9 | 26.8 | 26.1 | |
| 26.7 | 26.3 | 26.5 | 26.7 | 26.8 | 26.8 | 26.8 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | |
| 26.7 | 26.4 | 26.7 | 26.9 | 26.9 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.1 | |
| 4.3 | 27.0 | 27.1 | 27.3 | 27.3 | 27.3 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | |
| 28.0 | 28.3 | 28.6 | 28.8 | 28.8 | 28.9 | 28.9 | 28.9 | 28.9 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | |
| 26.1 | 29.7 | 29.7 | 29.2 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | |
| 27.7 | 31.2 | 31.6 | 32.0 | 32.0 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.7 | |
| 28.5 | 31.6 | 31.2 | 32.4 | 32.4 | 32.5 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | |
| 5.1 | 32.2 | 32.6 | 32.9 | 32.9 | 33.0 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | |
| 2.5 | 33.8 | 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 | |
| 33.7 | 34.1 | 34.4 | 34.7 | 34.7 | 34.8 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | |
| 32.4 | 35.5 | 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 | 37.0 | |
| 36.7 | 40.5 | 41.0 | 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 | |
| 39.2 | 42.6 | 43.2 | 43.6 | 43.8 | 43.9 | 44.1 | 44.1 | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | |
| 38.8 | 44.9 | 45.7 | 46.6 | 46.7 | 46.8 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | |
| 41.4 | 48.1 | 49.3 | 50.3 | 50.5 | 50.6 | 50.9 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | |
| 42.7 | 48.6 | 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 | |
| 44.5 | 52.6 | 54.4 | 56.0 | 56.5 | 56.8 | 57.2 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | |
| 47.0 | 56.2 | 59.5 | 60.3 | 61.0 | 61.1 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 62.0 | |
| 48.9 | 58.9 | 61.3 | 63.8 | 64.6 | 64.9 | 65.8 | 65.9 | 65.9 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 | |
| 49.9 | 62.4 | 63.4 | 65.6 | 66.4 | 66.8 | 67.7 | 67.9 | 67.9 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | |
| 51.5 | 63.1 | 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 | 72.1 | |
| 53.2 | 64.2 | 67.0 | 70.6 | 71.6 | 72.4 | 73.5 | 73.8 | 73.9 | 74.0 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | |
| 53.1 | 66.5 | 69.9 | 73.3 | 74.7 | 75.6 | 77.2 | 77.6 | 77.7 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | |
| 54.7 | 67.8 | 72.6 | 76.7 | 78.5 | 79.7 | 82.2 | 82.9 | 83.1 | 83.6 | 83.9 | 83.9 | 84.3 | 84.4 | 84.4 | 84.4 | |
| 54.7 | 68.8 | 73.9 | 78.5 | 81.0 | 82.4 | 85.4 | 86.6 | 86.7 | 87.4 | 87.8 | 87.8 | 89.2 | 89.2 | 89.3 | 89.3 | |
| 55.7 | 69.1 | 74.4 | 79.1 | 81.9 | 83.4 | 86.9 | 88.5 | 88.9 | 89.9 | 91.6 | 91.7 | 92.6 | 92.7 | 92.8 | 92.8 | |
| 55.6 | 69.7 | 75.1 | 79.9 | 82.7 | 84.4 | 88.2 | 90.0 | 90.4 | 91.7 | 93.9 | 94.1 | 95.3 | 95.4 | 95.6 | 95.7 | |
| 55.6 | 69.8 | 75.1 | 80.1 | 83.1 | 84.7 | 88.8 | 90.7 | 91.1 | 92.6 | 95.1 | 95.2 | 97.0 | 97.1 | 97.5 | 97.8 | |
| 55.6 | 69.8 | 75.1 | 80.1 | 83.2 | 84.8 | 89.0 | 91.0 | 91.4 | 93.1 | 95.9 | 96.0 | 98.4 | 98.6 | 99.2 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS _____ 2065

[illegible] CLIMATOLOGY BRANCH
[illegible]

2 [illegible] ATMOS SCIENCES/MSC

# CEILING VERSUS VISIBILITY

[illegible] CAPE KENNEDY AFS, FL 73-[illegible] MAY

[illegible] BASED ON [illegible] OBSERVATIONS
[illegible] HOURS [illegible] LOCAL STANDARD TIME

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.5 | [illegible] | 29.5 | 29.5 | [illegible] |
| 30.7 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | [illegible] |
| 30.7 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | [illegible] |
| [illegible] | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | [illegible] |
| 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| [illegible] | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.1 | 32.1 | 32.1 | 32.1 | [illegible] | 32.1 |
| 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| [illegible] | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | [illegible] |
| 32.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 36.1 | 36.1 | 36.1 | 36.1 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | [illegible] |
| 34.1 | 37.4 | 37.6 | 37.7 | 37.7 | 37.7 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | [illegible] |
| 35.5 | 37.1 | 39.3 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | [illegible] |
| [illegible] | 41.7 | 41.[illegible] | 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 | 41.3 |
| 39.7 | 41.1 | 41.7 | 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 | [illegible] |
| [illegible] | 41.6 | 42.0 | 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 | [illegible] |
| 43.7 | 45.5 | 45.7 | 45.5 | 45.5 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | [illegible] |
| [illegible] | 51.2 | 51.[illegible] | 52.1 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | [illegible] | [illegible] |
| 47.9 | 54.7 | 54.7 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | [illegible] | [illegible] | [illegible] |
| [illegible] | 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 | [illegible] |
| 53.4 | 60.7 | 61.7 | 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 | [illegible] |
| 55.7 | 66.2 | 66.2 | 66.7 | 66.9 | 66.9 | 66.[illegible] | 66.[illegible] | 66.[illegible] | 66.[illegible] | 66.[illegible] | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | [illegible] |
| [illegible] | 67.5 | 69.8 | 70.4 | 70.6 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | [illegible] |
| [illegible] | 71.1 | 71.2 | 73.5 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | [illegible] |
| [illegible] | 71.5 | 73.7 | 75.5 | 75.8 | 76.[illegible] | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | [illegible] |
| [illegible] | 74.[illegible] | 76.3 | 78.3 | 78.6 | 78.8 | 78.9 | 78.9 | 78.9 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | [illegible] |
| 73.7 | 75.1 | 77.9 | 79.9 | 80.1 | 80.3 | 80.6 | 80.6 | 80.6 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | [illegible] |
| [illegible] | 75.6 | 78.5 | 80.4 | 80.7 | 80.9 | 81.5 | 81.6 | 81.7 | 82.[illegible] | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | [illegible] |
| [illegible] | 75.[illegible] | 82.7 | 83.3 | 83.6 | 84.2 | 85.2 | 85.4 | 85.[illegible] | 85.7 | 85.8 | 85.8 | 85.8 | 85.[illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 79.4 | 84.9 | 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 | [illegible] |
| 86.7 | 87.4 | 84.1 | 87.1 | 88.1 | 88.6 | 91.6 | 91.6 | 91.8 | 92.[illegible] | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | [illegible] |
| [illegible] | 81.4 | 85.4 | 88.6 | 89.7 | 91.4 | 92.5 | 93.6 | 93.8 | 94.6 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | [illegible] |
| 85.5 | 81.4 | 85.6 | 88.6 | 89.7 | 90.4 | 92.6 | 93.5 | 94.[illegible] | 94.8 | 96.5 | 96.5 | 97.2 | 97.2 | 97.3 | 97.4 | [illegible] |
| [illegible] | 81.4 | 85.6 | 88.6 | 90.0 | 90.9 | 93.2 | 94.5 | 94.7 | 95.9 | 97.8 | 98.4 | 99.2 | 99.[illegible] | 99.4 | [illegible] | [illegible] |

[illegible] NUMBER OF OBSERVATIONS [illegible]

2

# CEILING VERSUS VISIBILITY

MAY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 24.8 | 25. | 25.2 | 25. | 25. | 25.2 | 25.2 | 25.2 | 25.3 | 25.3 | 25.3 | 25.3 | 25. | 25. | |
| .3 | 26.4 | 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 | |
| .4 | 26.7 | 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 | |
| .4 | 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 | |
| .7 | 27.0 | 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 |
| . | 27.3 | 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 |
| 27.5 | 28.9 | 29.3 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | |
| .7 | 29.2 | 29.5 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | |
| .6 | 30.4 | 30. | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | |
| 30.4 | 32. | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | |
| .7 | 3 .7 | 33.2 | 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 | 34.6 | 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 | |
| .7 | 34. | 35.4 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | |
| 34. | 36.1 | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | |
| .3 | 42.4 | 43.2 | 43.6 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | |
| 43. | 46.1 | 46.9 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | |
| 46. | 49.5 | 5 .9 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51. | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51. | |
| .6 | 55.3 | 56.4 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56. | |
| .7 | 56.6 | 57.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | |
| .6 | 60.8 | 61.7 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62. | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62. | |
| 5.9 | 64.5 | 66.3 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | |
| . | 67.5 | 69.9 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70. | 70.6 | 7 .6 | 7 .6 | 7 .6 | 7 .6 | 7 . | |
| 32.2 | 69.4 | 71.5 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72. | |
| .5 | 71.7 | 73.8 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | |
| 4.7 | 73. | 75.2 | 77.2 | 77. | 77. | 77.2 | 77.2 | 77. | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | |
| .1 | 73.6 | 76.2 | 77.9 | 78.1 | 78.1 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| .2 | 76.2 | 78.9 | 80.9 | 81.5 | 81.9 | 83.0 | 83.3 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | |
| 6. | 77.9 | 8 .9 | 83. | 84.4 | 84.9 | 86.2 | 87.3 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | |
| 7.4 | 78.6 | 80.2 | 84.5 | 86.3 | 87.1 | 88.9 | 89.9 | 90. | 90.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | |
| . | 79.2 | 82.9 | 85.3 | 87.2 | 87.9 | 89.9 | 91.2 | 91.3 | 92.3 | 94.2 | 94.2 | 94.7 | 94.7 | 94.7 | 94.7 |
| 5. | 79.5 | 83.3 | 85.9 | 87.7 | 88.5 | 90.8 | 92.1 | 92.2 | 93.3 | 95.7 | 95.7 | 96.5 | 96.6 | 96.8 | 96. |
| 6.3 | 79.7 | 83.6 | 86.2 | 88.3 | 89.3 | 91.4 | 92.9 | 93. | 94.2 | 96.7 | 97. | 98.5 | 98.6 | 99.1 | 99. |

TOTAL NUMBER OF OBSERVATIONS 2112

2

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 21.2 | 21.2 | 21.3 | 21.4 | 21.4 | 21.4 | 1.4 | 21.4 | 21.4 | 21.5 | 21.5 | 21.6 | [illegible] | 21.7 | [illegible] |
| [illegible] | 23.4 | 23.4 | 23.5 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.8 | [illegible] | 23.[illegible] | 23.[illegible] | [illegible] | [illegible] |
| [illegible] | 24.2 | 24.2 | 24.3 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.5 | 24.5 | 24.5 | [illegible] | [illegible] | [illegible] |
| [illegible] | 24.3 | 24.3 | 24.4 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.6 | 24.6 | 24.6 | [illegible] | 24.9 | [illegible] |
| 23.5 | 24.6 | 24.8 | 24.8 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 25.[illegible] | 25.[illegible] | 25.1 | 25.1 | 25.2 | [illegible] |
| 23.[illegible] | 24.9 | 24.9 | 25.0 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.2 | 25.2 | 25.3 | 25.3 | 25.4 | [illegible] |
| 24.[illegible] | 25.7 | 25.7 | 25.8 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.1 | 26.1 | 26.2 | [illegible] | 26.3 | [illegible] |
| [illegible] | 25.2 | [illegible] | 26.3 | 26.4 | 26.4 | 26.4 | 26.4 | 26.4 | 26.4 | 26.5 | 26.[illegible] | 26.6 | 26.6 | 26.7 | 26.7 |
| 27.6 | 28.3 | 28.8 | 28.9 | 29.0 | 29.[illegible] | 29.[illegible] | 29.1 | 29.[illegible] | [illegible] | 29.1 | 29.1 | 29.2 | [illegible] | [illegible] | [illegible] |
| [illegible] | 30.2 | 30.2 | 30.3 | 30.4 | 30.4 | 30.4 | 30.5 | 30.[illegible] | 30.5 | 30.6 | 30.[illegible] | 30.8 | [illegible] | [illegible] | [illegible] |
| [illegible] | 30.4 | 30.4 | 30.5 | 30.6 | 30.6 | 30.6 | 30.8 | 30.8 | 30.8 | 30.9 | 30.[illegible] | 31. | 31.[illegible] | 31.1 | 31.[illegible] |
| [illegible] | 32.6 | 32.6 | 32.7 | 32.8 | 32.8 | 32.8 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.2 | 33.2 | 33.3 | 33.[illegible] |
| 32.5 | 33.[illegible] | 33.[illegible] | 33.9 | 34.0 | 34.0 | 34.[illegible] | 34.1 | 34.1 | 34.1 | 34.2 | 34.2 | 34.4 | 34.4 | 34.5 | [illegible] |
| 33. | 35.7 | 35.7 | 35.9 | 36.[illegible] | 36.[illegible] | 36.[illegible] | 36.1 | 36.1 | 36.1 | 36.2 | 36.2 | 36.3 | 36.[illegible] | 36.4 | 36.4 |
| 40.7 | 42.4 | 42.4 | 42.6 | 42.9 | 42.9 | 42.9 | 43.0 | 43.[illegible] | 43.0 | 43.1 | 43.1 | 43.2 | 43.2 | 43.3 | 43.3 |
| 41.7 | 42.9 | 43.[illegible] | 44.3 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6 | 44.7 | 44.7 | 44.8 | 44.[illegible] | 44.9 | [illegible] |
| 45.7 | 47.5 | 47.7 | 48.0 | 48.2 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.5 | 48.5 | 48.6 | 48.[illegible] |
| 48.9 | 51.[illegible] | 52. | 52.3 | 52.6 | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 | 52.8 | 52.[illegible] | 52.9 | 52.9 | 53.[illegible] | [illegible] |
| 53.4 | 53.5 | 53.8 | 54.1 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.6 | 54.6 | 54.7 | 54.7 |
| 54.5 | 58.0 | 58.3 | 58.7 | 58.9 | 58.9 | 58.9 | 59. | 59. | 59.[illegible] | 59.1 | 59.1 | 59.2 | 59.2 | 59.3 | [illegible] |
| 58.6 | 62.4 | 62.7 | 63.1 | 63.4 | 63.4 | 63.7 | 63.[illegible] | 63.[illegible] | 63.8 | 63.9 | 63.[illegible] | 64.[illegible] | 64.[illegible] | 64.1 | 64.[illegible] |
| 61.[illegible] | 65.3 | 66.7 | 67.5 | 67.7 | 67.7 | 68.4 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.7 | 68.7 | 68.[illegible] | [illegible] |
| [illegible] | 66.6 | 67.1 | 69.9 | 70.3 | 70.3 | 71.0 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.3 | 71.3 | 71.4 | 71.4 |
| 64.3 | 72.5 | 72.4 | 73.3 | 73.8 | 73.8 | 74.5 | 74.6 | 74.[illegible] | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 |
| 65.5 | 73.7 | 73.8 | 74.9 | 75.6 | 75.6 | 76.2 | 76.3 | 76.3 | 76.3 | 76.4 | 76.4 | 76.6 | 76.6 | 76.7 | 76.7 |
| 65.1 | 73.8 | 74.8 | 76.0 | 77.0 | 77.1 | 77.8 | 77.9 | 77.9 | 77.9 | 78.[illegible] | 78.[illegible] | 78.1 | 78.1 | 78.2 | 78.[illegible] |
| 67.3 | 76.1 | 77.3 | 78.8 | 79.9 | 80.3 | 81.1 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 |
| [illegible] | 76.3 | 77.7 | 81.5 | 82.8 | 83.2 | 84.3 | 84.7 | 85.[illegible] | 85.1 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | [illegible] |
| 68.7 | 79.3 | 81.4 | 83.5 | 84.8 | 85.7 | 87.6 | 88.4 | 88.9 | 89.0 | 90.3 | 90.3 | 90.5 | 90.[illegible] | 90.6 | [illegible] |
| [illegible] | 79.5 | 81.6 | 83.9 | 85.3 | 86.5 | 89.8 | 91.2 | 92.[illegible] | 91.3 | 92.8 | 92.[illegible] | 93.1 | 93.2 | 93.3 | 93.3 |
| 77.3 | 80.3 | 87.3 | 84.6 | 86.0 | 87.5 | 90.1 | 91.5 | 92.3 | 92.3 | 94.7 | 94.7 | 95.4 | 95.5 | 95.9 | 96.[illegible] |
| 70.4 | 80.5 | 82.7 | 85.0 | 86.5 | 88.2 | 91.2 | 92.7 | 93.[illegible] | 94.1 | 96.1 | 96.2 | 97.5 | 97.7 | 98.3 | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 517

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

# CEILING VERSUS VISIBILITY

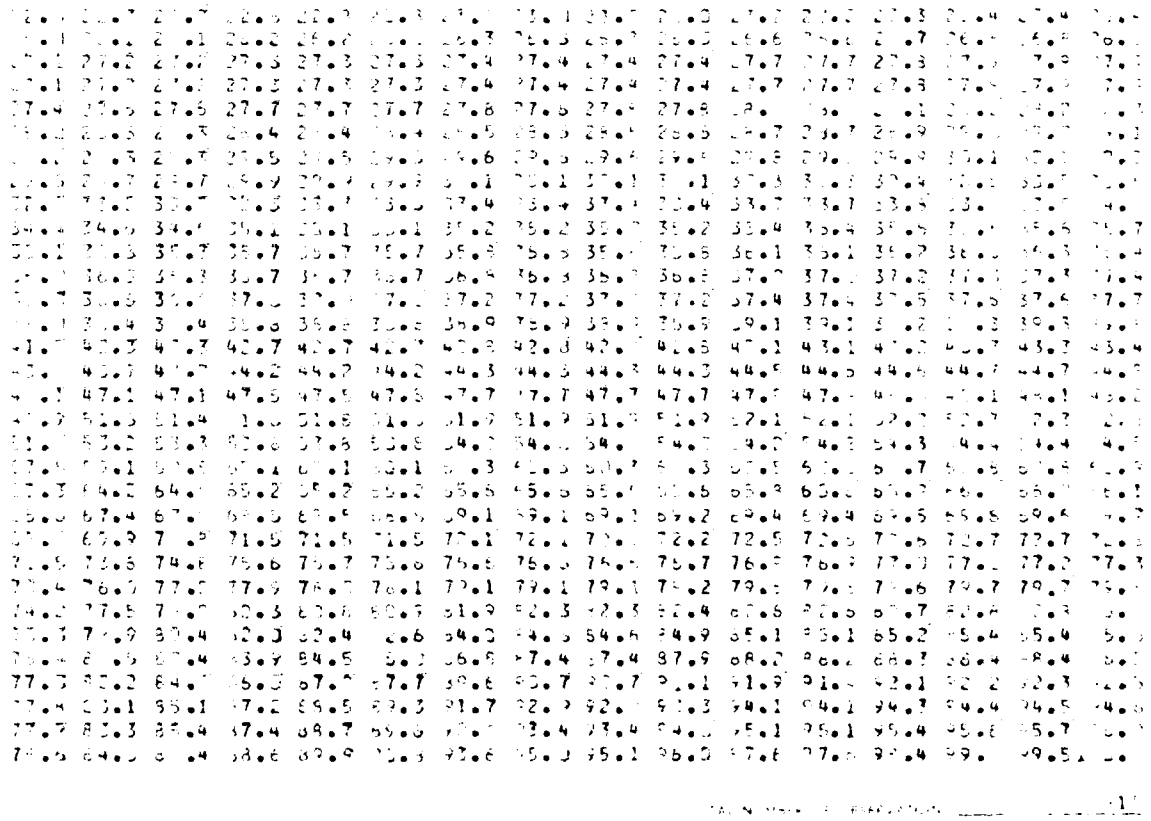
...CAL ... ENNINGHAM AF... AK        73-6...

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.[illegible] | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.6 | 22.6 | 22.7 | 22.7 | [illegible] | [illegible] |
| 24.[illegible] | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.8 | [illegible] | 25.9 | 25.9 | [illegible] | [illegible] |
| [illegible] | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.3 | 27.3 | 27.4 | 27.4 | [illegible] | [illegible] |
| 26.3 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.3 | 27.3 | 27.4 | 27.4 | 27.4 | [illegible] |
| 26.5 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.5 | 27.5 | 27.6 | 27.6 | 27.6 | [illegible] |
| 27.5 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.6 | 28.6 | 28.7 | 28.7 | 28.7 | [illegible] |
| 28.5 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.6 | 29.6 | 29.7 | 29.7 | 29.7 | 29.7 |
| [illegible] | 30.0 | [illegible] | 30.0 | [illegible] | [illegible] | 30.0 | [illegible] | 30.0 | 30.0 | 30.2 | 30.2 | 30.3 | 30.3 | [illegible] | [illegible] |
| [illegible] | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.4 | 33.4 | 33.5 | 33.5 | [illegible] | [illegible] |
| [illegible] | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6 | 34.7 | 34.7 | 34.7 | 34.7 |
| 34.3 | 35. | 35. | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.3 | 35.3 | 35.4 | 35.4 | 35.4 | [illegible] |
| 35.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.6 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 |
| 35.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.9 | 36.9 | 37.0 | 37. | 37.0 | 37. |
| 36. | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2 | [illegible] |
| 41.7 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.3 | 43.3 | 43.4 | 43.4 | 43.4 | 43.4 |
| 4[illegible]. | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.5 | 44.5 | 44.7 | 44.7 | 44.7 | 44.7 |
| 45.[illegible] | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 |
| [illegible] | 5[illegible].3 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.3 | 51.3 | 51.4 | 51.5 | 51.5 | 51.5 |
| [illegible] | 52.[illegible] | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 53.1 | 53.1 | 53.2 | 53.3 | 53.3 | 53.3 |
| 55.5 | 57.4 | 57.[illegible] | [illegible] | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.4 | 58.4 | 58.5 | 58.6 | 58.6 | [illegible] |
| [illegible] | 62.6 | 63.0 | 63.1 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.8 | 63.8 | 63.9 | 64. | 64.[illegible] | 64. |
| 64.7 | 67.[illegible] | 67.6 | 67.9 | 68.1 | 68.1 | 68.7 | 68.7 | 68.7 | 68.8 | 69.0 | 69. | 69.1 | 69.2 | 69.2 | [illegible] |
| 67.7 | [illegible] | 7[illegible].7 | 71.1 | 71.3 | 71.3 | 71.8 | 71.8 | 71.8 | 71.9 | 72.2 | 72.[illegible] | 72.3 | 72.4 | 72.4 | 72.4 |
| 69.[illegible] | 73.3 | 74. | 74.3 | 74.6 | 74.6 | 75.4 | 75.4 | 75.4 | 75.5 | 75.8 | 75.[illegible] | 75.9 | 76.[illegible] | 76.[illegible] | 76. |
| [illegible] | 74.5 | 75.2 | 75.5 | 75.9 | 75.9 | 76.7 | 76.7 | 76.7 | 76.9 | 77.1 | 77.1 | 77.2 | 77.[illegible] | 77.3 | 77.[illegible] |
| 71.[illegible] | 75.7 | 76.7 | 77.2 | 77.6 | 77.6 | 78.5 | 78.8 | 78.8 | 78.9 | 79.1 | 79.1 | 79.3 | 79.4 | 79.4 | 79.4 |
| 71.9 | 77.3 | 78.[illegible] | 79.5 | 79.9 | 79.9 | 80.8 | 81.1 | 81.1 | 81.2 | 81.4 | 81.4 | 81.6 | 81.7 | 81.7 | 81.7 |
| 73.1 | 79.[illegible] | 8[illegible].7 | 82.4 | 83.[illegible] | 83.3 | 84.3 | 84.9 | 84.[illegible] | 85.0 | 85.4 | 85.4 | 85.5 | 85.6 | 85.6 | 85.6 |
| 73.7 | 8[illegible].6 | 83.4 | 84.4 | 85.8 | 86.2 | 88.2 | 89.7 | 89.7 | 90.4 | 91.[illegible] | 91.3 | 91.7 | 91.[illegible] | 91.[illegible] | [illegible] |
| 74.[illegible] | 81.[illegible] | 82.9 | 85.2 | 86.6 | 87.2 | 89.6 | 91.5 | 91.7 | 92.4 | 93.5 | 93.6 | 94.1 | 94.2 | 94.2 | 94.2 |
| 74.5 | 81.6 | 83.4 | 85.7 | 87.1 | 87.8 | 9[illegible].4 | 92.4 | 92.6 | 93.3 | 95.[illegible] | 95.1 | 95.9 | 96. | 96.1 | 96.4 |
| 74.[illegible] | [illegible] | 83.[illegible] | 86.1 | 87.6 | [illegible] | 91.3 | 93.2 | 93.4 | 94.5 | 96.6 | 96.7 | 97.9 | 99. | 98.4 | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 51[illegible]

2

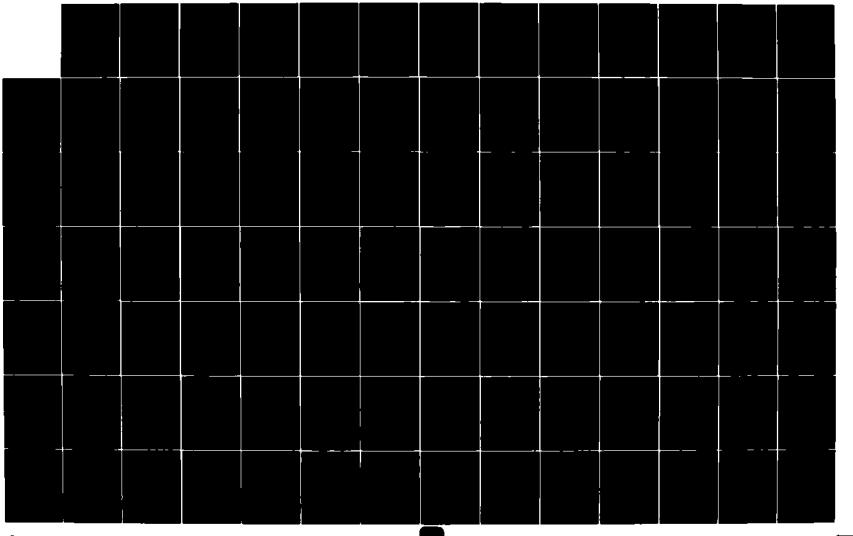
# CEILING VERSUS VISIBILITY

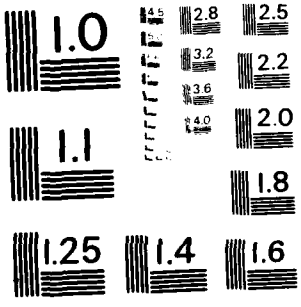


AD-A131 192 CAPE NEWENHAM AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83

UNCLASSIFIED USAFETAC/DS-83/019 SBI-AD-E850 397 F/G 4/2 NL

3/5






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

[illegible] CLIMATOLOGY BRANCH
[illegible]

2 [illegible]

# CEILING VERSUS VISIBILITY

[illegible] 73-07 MAY

[illegible] FREQUENCY OF OCCURRENCE
[illegible] OBSERVATIONS

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 22.3 | 23.7 | 23.3 | 23.3 | 23.3 | 23.5 | 23.6 | 23.5 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | [illegible] |
| [illegible] | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | [illegible] |
| [illegible] | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | [illegible] |
| [illegible] | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | [illegible] |
| [illegible] | 27.0 | 27.0 | 27.8 | 27.8 | 27.8 | 27.8 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | [illegible] |
| [illegible] | 29.0 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | [illegible] |
| [illegible] | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | [illegible] |
| [illegible] | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | [illegible] |
| [illegible] | 33.0 | 33.5 | 33.5 | 33.5 | 33.5 | 33.6 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | [illegible] |
| [illegible] | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 35.0 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.5 | 35.5 | [illegible] |
| [illegible] | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.2 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | [illegible] |
| [illegible] | 37.0 | 37.7 | 37.7 | 37.7 | 37.8 | 37.8 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 | [illegible] |
| [illegible] | 37.7 | 38.0 | 38.0 | 38.0 | 38.0 | 38.1 | 38.1 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.6 | 38.6 | [illegible] |
| [illegible] | 39.0 | 39.5 | 39.8 | 39.4 | 39.5 | 39.5 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | [illegible] | [illegible] | [illegible] |
| [illegible] | 43.0 | 43.4 | 43.4 | 43.5 | 43.5 | 43.6 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | [illegible] |
| [illegible] | 44.0 | 44.7 | 44.8 | 44.8 | 44.8 | [illegible] | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.4 | 45.4 | [illegible] |
| [illegible] | 48.1 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.7 | 49.7 | [illegible] |
| [illegible] | 52.0 | 52.3 | 52.4 | 52.6 | 52.7 | 52.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | [illegible] |
| [illegible] | 54.3 | 54.7 | 54.8 | 55.0 | 55.0 | 55.2 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | [illegible] |
| [illegible] | 59.4 | 59.2 | 59.4 | 60.0 | 60.1 | [illegible] | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | [illegible] | [illegible] | [illegible] |
| [illegible] | 65.4 | 65.4 | 65.6 | 66.0 | 66.7 | 66.7 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 | [illegible] |
| [illegible] | 67.8 | 67.8 | 67.9 | 68.9 | 69.3 | 69.3 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.9 | 69.9 | [illegible] |
| [illegible] | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1 | [illegible] |
| [illegible] | 73.0 | 73.0 | 73.7 | 74.0 | 75.4 | 75.6 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1 | [illegible] |
| [illegible] | 74.5 | 75.6 | 76.7 | 77.3 | 77.4 | 78.0 | 78.0 | 79.0 | 79.0 | 78.0 | 78.0 | 78.0 | 78.0 | 79.1 | 79.1 | [illegible] |
| [illegible] | 76.4 | 77.6 | 79.3 | 80.0 | 80.2 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | [illegible] |
| [illegible] | 77.3 | 78.8 | 81.9 | 83.2 | 83.6 | 84.9 | 85.1 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | [illegible] |
| [illegible] | 81.2 | 81.7 | 84.2 | 85.7 | 86.6 | 88.3 | 88.4 | 88.5 | 88.6 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | [illegible] |
| [illegible] | 84.2 | 84.0 | 86.7 | 88.4 | 89.6 | 91.8 | 92.2 | 92.7 | 92.8 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | [illegible] |
| [illegible] | 88.1 | 89.7 | 88.2 | 89.9 | 91.2 | 93.4 | 93.9 | 94.3 | 94.9 | 95.8 | 95.8 | 95.8 | 96.1 | 96.1 | 96.2 | [illegible] |
| [illegible] | 89.3 | 89.6 | 88.6 | 90.4 | 91.6 | 94.1 | 94.6 | 95.0 | 95.7 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.3 | [illegible] |
| [illegible] | 94.1 | 94.4 | 89.7 | 91.7 | 93.2 | 95.5 | 96.1 | 96.5 | 97.6 | 99.0 | 99.1 | 99.2 | 99.4 | 99.7 | [illegible] | [illegible] |

[illegible] NUMBER OF OBSERVATIONS 652

1

2

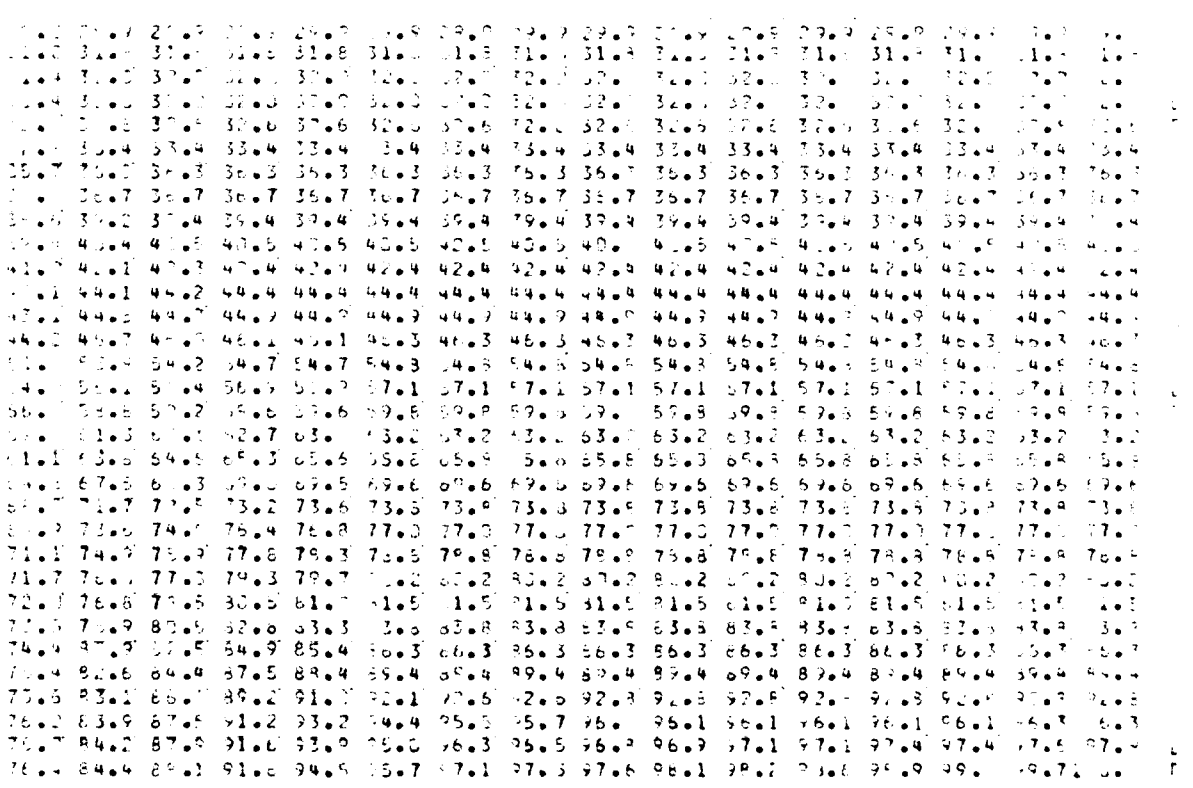
# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.4 | 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 |
| 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| 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 | 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 | 31.9 | 31.9 |
| 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 |
| 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 | 33.8 |
| 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 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 |
| 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 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 | 41.5 |
| 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 46.1 | 46.1 | 46.1 | 46.3 | 46.3 | 46.3 | 46.3 |
| 53.6 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 |
| 58.5 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 |
| 63.5 | 63.6 | 64.1 | 64.4 | 64.6 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 |
| 67.4 | 67.6 | 67.8 | 68.0 | 68.4 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 |
| 72.9 | 72.6 | 73.0 | 74.3 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 |
| 73.0 | 73.4 | 74.3 | 75.4 | 75.6 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 |
| 73.9 | 73.6 | 76.9 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 |
| 74.6 | 77.6 | 78.9 | 80.1 | 80.2 | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 |
| 75.7 | 78.1 | 79.3 | 80.5 | 80.7 | 80.7 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 |
| 77.4 | 79.8 | 80.1 | 81.7 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.3 | 82.3 | 82.3 | 82.3 |
| 78.7 | 80.4 | 81.8 | 83.6 | 84.7 | 85.2 | 85.3 | 85.6 | 85.8 | 86.0 | 86.1 | 86.2 | 86.1 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 |
| 79.2 | 81.3 | 84.1 | 86.0 | 87.6 | 88.2 | 89.6 | 90.3 | 90.7 | 90.4 | 90.6 | 90.8 | 90.8 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 79.1 | 80.1 | 86.3 | 87.9 | 89.3 | 91.2 | 92.2 | 92.8 | 93.1 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 |
| 79.6 | 84.1 | 87.4 | 89.6 | 91.2 | 93.3 | 94.4 | 95.2 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 |
| 79.5 | 84.1 | 88.6 | 90.3 | 91.4 | 93.5 | 94.7 | 95.5 | 96.1 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 |
| 79.2 | 84.5 | 87.1 | 90.0 | 92.3 | 94.4 | 95.7 | 96.5 | 97.1 | 97.9 | 98.4 | 98.4 | 98.6 | 98.7 | 99.5 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 627

2

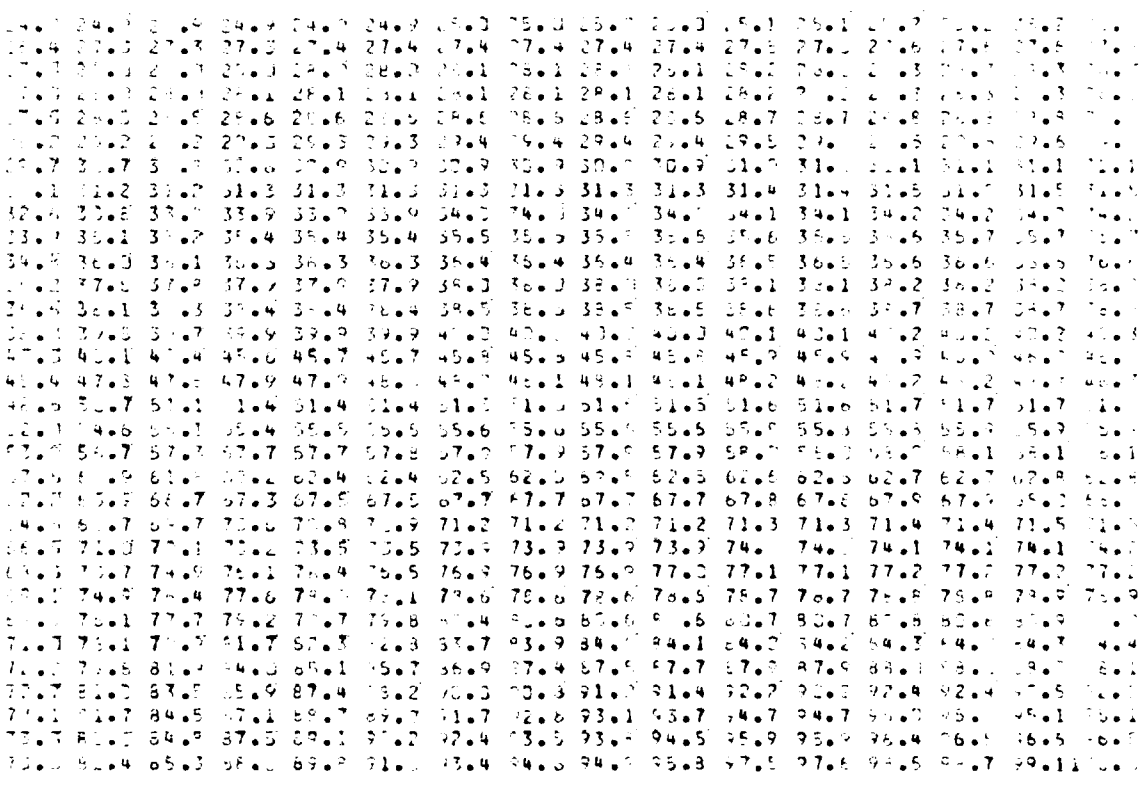
# CEILING VERSUS VISIBILITY



TOTAL NUMBER OF OBSERVATIONS _____ 5022

2

# CEILING VERSUS VISIBILITY



2

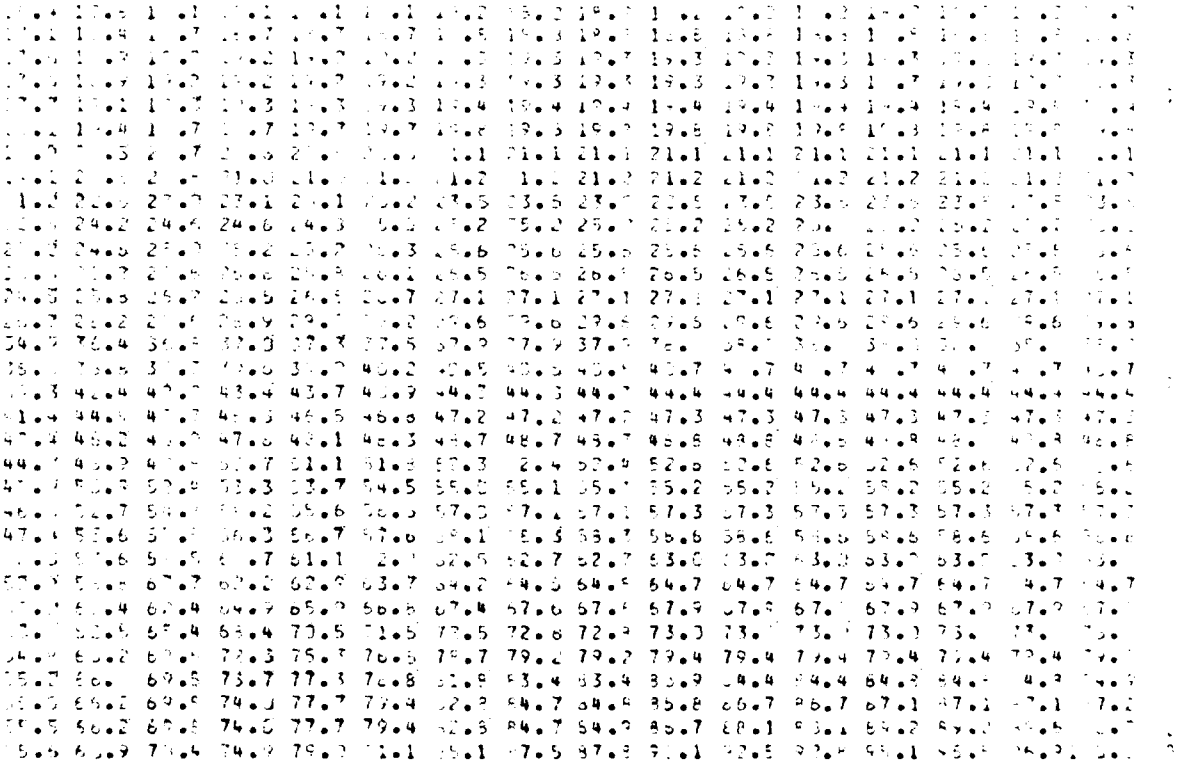
# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 17.3 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.6 | 17.6 | 17.5 | 17.6 | 17.6 | 17.6 | 17.6 | 17.7 | 17.7 |
| [illegible] | 18.4 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | [illegible] |
| [illegible] | 18.6 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | [illegible] |
| [illegible] | 18.6 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | [illegible] |
| [illegible] | 18.6 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | [illegible] |
| [illegible] | 19.1 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | [illegible] |
| [illegible] | 20.8 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| [illegible] | 21.0 | 21.2 | 21.3 | 21.3 | 21.3 | 21.3 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21. | 21. |
| [illegible] | 23.7 | 23.9 | 24.1 | 24.1 | 24.1 | 24.1 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24. |
| 24. | 24.9 | 25.1 | 26.4 | 26.4 | 26.4 | 26.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | [illegible].7 |
| [illegible] | 26.7 | 27.1 | 27.4 | 27.4 | 27.4 | 27.4 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27. |
| [illegible] | [illegible] | [illegible] | 29.2 | 29.2 | 29.2 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | [illegible] |
| [illegible] | [illegible] | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | [illegible] |
| [illegible] | [illegible] | 33.0 | 33.4 | 33.5 | 33.6 | 33.6 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | [illegible] |
| [illegible] | 41.4 | 42.1 | 42.5 | 42.8 | 42.8 | 42.8 | 42.9 | 42. | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | [illegible] |
| [illegible] | 42.4 | 43.1 | 43.5 | 43.7 | 43.7 | 43.7 | 43.9 | 43.9 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.3 |
| [illegible] | 45.5 | 47. | 47.6 | 47.9 | 47.9 | 47.9 | [illegible] | [illegible] | 48.3 | 48.3 | 48.3 | 48.3 | 48. | 48. | 48.4 |
| 45. | 47.7 | [illegible] | 51.3 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 52.0 | 52.0 | 52. | 52.0 | 52.0 | 52.0 | [illegible] |
| 45. | 50.3 | 51.6 | 52.1 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 53. |
| 47. | 52.1 | 53.6 | 54.2 | 54.5 | 54.5 | 55.0 | 55.2 | 55.2 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | [illegible] |
| 4[illegible]. | [illegible].4 | 55.3 | 55.8 | 56.3 | 56.3 | 56.6 | 56.9 | 56.9 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57. |
| 4[illegible] | 54.7 | 56.7 | 57.2 | 57.5 | 57.6 | 58.2 | 58.3 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | [illegible] |
| 49.4 | 55.8 | 57.9 | 58.5 | 58.9 | 58.9 | 59.4 | 59.8 | 59.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | [illegible] |
| [illegible] | 58.3 | 6[illegible] | 61.3 | 61.9 | 61.9 | 62.4 | 63. | 63. | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | [illegible] |
| [illegible] | 59.3 | 61.9 | 62.4 | 63.1 | 63.1 | 63.7 | 64.2 | 64. | 64.9 | 64.8 | 64.8 | 64.9 | 64.8 | 64.9 | [illegible] |
| [illegible].7 | 60.7 | 63.7 | 64.9 | 65.9 | 65.9 | 66.4 | 67.0 | 67. | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.7 |
| [illegible]4.5 | 63.9 | 67.5 | 69.7 | 71. | 71.3 | 71.9 | 72.5 | 72.5 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.3 |
| 55. | 66.[illegible] | 7[illegible].3 | 72.8 | 74. | 74.6 | 75.6 | 77.2 | 77. | 77.7 | 78.0 | 78. | 78.1 | 78.1 | 78.1 | [illegible] |
| [illegible] | 66.[illegible] | 7[illegible].4 | 73.[illegible] | 73.1 | 75.8 | 79.5 | 81.3 | 81.7 | 83.1 | 83.6 | 83.6 | 84. | 84. | [illegible] | 84. |
| 5[illegible].4 | 66.7 | 71. | 73.7 | 76.2 | 77.3 | [illegible].7 | 83.8 | 84. | 86.2 | 87.3 | 87.3 | 87.8 | 87.8 | 87.9 | [illegible] |
| 5[illegible].4 | 67.7 | 71.9 | 74. | 77.3 | 78.4 | 82. | 85.1 | 85.7 | 88.4 | 9[illegible] | 9[illegible] | 91.6 | 9[illegible].6 | 91. | 91.5 |
| 56.5 | 68. | 7[illegible].2 | 75. | 77.9 | 79.3 | 82.9 | 86.4 | 87.1 | 90.8 | 92.7 | 93.3 | 95.2 | [illegible] | 97.2 | 100. |

TOTAL NUMBER OF OBSERVATIONS 727

2

# CEILING VERSUS VISIBILITY



[illegible] METEOROLOGY BRANCH
[illegible]
2 [illegible] WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[illegible] SAN VENANCIO AFB, AK 73-87 JAN

[illegible] PERCENTAGE FREQUENCY OF CEILING EQUAL TO OR GREATER THAN INDICATED HEIGHT AND VISIBILITY EQUAL TO OR GREATER THAN INDICATED VISIBILITY [illegible] JAN - DEC

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 13.6 | 13.6 | 13.6 | 13.6 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.8 | 13.8 | 14.0 | 14.0 | 14.0 | 14.0 | | |
| [illegible] | 15.9 | 15.9 | 15.9 | 16.0 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.2 | 16.2 | 16.3 | 16.3 | 16.3 | 16.3 | | |
| [illegible] | 16.1 | 16.2 | 16.2 | 16.2 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.4 | 16.4 | 16.5 | 16.5 | 16.5 | 16.5 | | |
| [illegible] | 16.1 | 16.2 | 16.2 | 16.2 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.4 | 16.4 | 16.5 | 16.5 | 16.5 | 16.5 | | |
| [illegible] | 16.2 | 16.3 | 16.3 | 16.3 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.5 | 16.6 | 16.7 | 16.7 | 16.7 | 16.7 | | |
| [illegible] | 16.4 | 16.6 | 16.6 | 16.6 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | | |
| [illegible] | 16.2 | 16.5 | 16.5 | 16.5 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.7 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | | |
| [illegible] | 16.6 | 16.8 | 16.8 | 16.8 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 17.1 | 17.1 | 17.2 | 17.2 | 17.2 | 17.2 | | |
| [illegible] | 19.6 | 19.9 | 19.9 | 19.9 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | |
| [illegible] | 22.1 | 22.4 | 22.4 | 22.4 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.6 | 22.6 | 22.7 | 22.7 | 22.7 | 22.7 | | |
| [illegible] | 22.5 | 22.7 | 22.7 | 22.7 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 23.0 | 23.0 | 23.1 | 23.1 | 23.1 | 23.1 | | |
| [illegible] | 23.9 | 24.1 | 24.1 | 24.1 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.4 | 24.4 | 24.5 | 24.5 | 24.5 | 24.5 | | |
| [illegible] | 24.1 | 24.3 | 24.3 | 24.3 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.5 | 24.5 | 24.6 | 24.6 | 24.6 | 24.6 | | |
| [illegible] | 27.7 | 28.1 | 28.3 | 28.3 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.5 | 28.5 | 28.6 | 28.6 | 28.6 | 28.6 | | |
| 33.1 | 34.2 | 34.2 | 34.4 | 34.4 | 34.4 | 34.6 | 34.6 | 34.6 | 34.7 | 34.6 | 34.7 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 34.4 | 36.3 | 36.8 | 37.2 | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.4 | 37.4 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| 37.2 | 39.6 | 40.1 | 40.5 | 40.5 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.7 | 40.7 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | [illegible] |
| 39.6 | 41.6 | 42.2 | 42.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.8 | 42.8 | 42.9 | 43.0 | 43.0 | 43.0 | 43.0 | [illegible] |
| 39.9 | 42.7 | 43.7 | 43.2 | 43.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.4 | 43.4 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | [illegible] |
| 43.0 | 45.7 | 46.7 | 47.2 | 47.3 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.7 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | [illegible] |
| 47.0 | 49.5 | 51.0 | 51.6 | 52.1 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | [illegible] |
| 46.7 | 51.3 | 53.0 | 53.8 | 54.3 | 54.4 | 54.9 | 55.1 | 55.1 | 55.3 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | [illegible] |
| 47.7 | 52.8 | 55.1 | 56.1 | 56.6 | 56.7 | 57.2 | 57.4 | 57.4 | 57.5 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | [illegible] |
| 47.5 | 56.6 | 58.1 | 59.4 | 60.0 | 60.1 | 60.7 | 61.2 | 61.2 | 61.3 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | [illegible] |
| 50.1 | 58.7 | 59.8 | 61.3 | 62.0 | 62.6 | 63.2 | 63.7 | 63.7 | 63.8 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | [illegible] |
| 51.4 | 59.1 | 63.2 | 65.6 | 66.4 | 67.0 | 67.6 | 68.2 | 68.0 | 68.3 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | [illegible] |
| 54.1 | 63.8 | 66.6 | 72.3 | 73.3 | 74.1 | 74.8 | 75.4 | 75.5 | 75.6 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | [illegible] |
| 55.7 | 67.1 | 72.8 | 76.6 | 78.5 | 79.9 | 81.4 | 82.1 | 82.2 | 82.4 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | [illegible] |
| 56.7 | 66.3 | 74.6 | 78.6 | 81.1 | 82.7 | 84.6 | 86.0 | 86.3 | 86.4 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | [illegible] |
| 56.1 | 66.6 | 75.1 | 79.4 | 82.0 | 83.7 | 86.4 | 87.9 | 88.2 | 88.8 | 89.0 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | [illegible] |
| 56.1 | 63.3 | 75.4 | 79.9 | 82.5 | 84.3 | 87.2 | 88.8 | 89.1 | 89.7 | 90.1 | 90.1 | 90.5 | 90.5 | 90.5 | 91.5 | [illegible] | [illegible] |
| 56.4 | 64.6 | 76.3 | 81.2 | 84.1 | 86.1 | 89.1 | 92.1 | 92.7 | 93.4 | 94.5 | 94.5 | 95.9 | 96.1 | 97.6 | [illegible] | [illegible] | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 645

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

# CEILING VERSUS VISIBILITY

[illegible] CAPE NEWENHAM AFS AK [illegible]

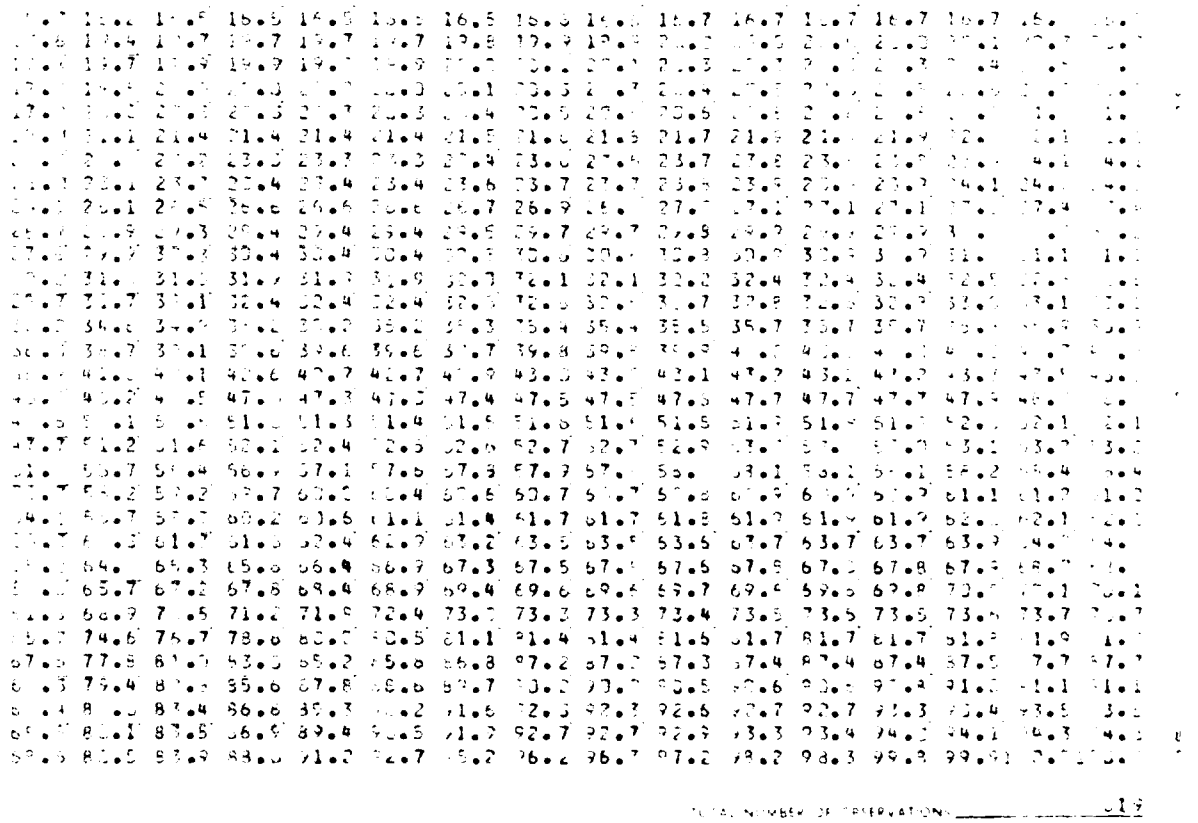
[illegible]

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 1[illegible] | 1 [illegible] | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | [illegible] |
| 14.5 | 14.5 | 14.4 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14. |
| 15.5 | 15.5 | 15.1 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | [illegible] |
| 15.5 | 15.5 | 15.1 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | [illegible] |
| 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 | 16.3 | 16.3 | 16.3 | 16.7 |
| 16.5 | 16.4 | 16.5 | 16.4 | 16.4 | 16.4 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 17. |
| 16.5 | 17.0 | 17.1 | 17.2 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.5 | [illegible] |
| 18.7 | 18.6 | 18.7 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.7 | 18.7 |
| 19.1 | 20.3 | 20.6 | 20.6 | 20.6 | 20.6 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 1e |
| [illegible] | 23.1 | 23.3 | 23.4 | 23.4 | 23.4 | [illegible] | [illegible] | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | [illegible] | [illegible] |
| 24.4 | 24.3 | 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 | 24.5 | [illegible] |
| 25.1 | 25.1 | 25.3 | 25.4 | 25.4 | [illegible] | 25.4 | [illegible] | [illegible] | [illegible] | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | [illegible] | [illegible] |
| 26.1 | 26.6 | 26.9 | 26.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 26.7 | 26.5 | 2[illegible] | 28.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 32.4 | 33.2 | 33.1 | 33.3 | 33.3 | [illegible] | [illegible] | [illegible] | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.6 | [illegible] |
| [illegible] | 34.2 | [illegible] | 35.2 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 35.2 | 35.2 | [illegible] | 35.2 | 35.2 | 35.5 | [illegible] |
| 37.4 | 39.1 | 3[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | [illegible] | 39.8 | [illegible] |
| [illegible] | 41.9 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 41.7 | 43.6 | 44.4 | 44.5 | 44.6 | 44.7 | 44.7 | 44.1 | 44.[illegible] | 44.8 | 44.[illegible] | 44.[illegible] | 44.[illegible] | 44.[illegible] | 45.2 | 45.7 | |
| 46.2 | 47.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 51.1 | 51.[illegible] | 52.2 | [illegible] | [illegible] | [illegible] | 52.5 | 52.[illegible] | 52.[illegible] | [illegible] | 52.[illegible] | [illegible] | 52.[illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 54.3 | 55.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 56.7 | 5[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 58.7 | 58.4 | 6[illegible] | [illegible] | 61.7 | 62.2 | 62.[illegible] | 63.3 | [illegible] | 63.3 | 63.3 | [illegible] | 63.3 | 63.3 | 63.[illegible] | [illegible] | [illegible] |
| [illegible] | 61.0 | 62.6 | 64.4 | 64.[illegible] | 66.[illegible] | 66.0 | 66.[illegible] | [illegible] | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | [illegible] | [illegible] | |
| [illegible] | 6[illegible] | 69.4 | 73.0 | 73.7 | 74.[illegible] | 75.6 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.7 | [illegible] |
| [illegible] | 7[illegible] | 74.[illegible] | 78.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 73.3 | 77.3 | 81.3 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 73.7 | 77.8 | 82.1 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 73.7 | 77.9 | 82.4 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 74.1 | 7[illegible] | 83.6 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

[illegible] TOTAL NUMBER OF OBSERVATIONS _____ 554

2

# CEILING VERSUS VISIBILITY



TOTAL NUMBER OF OBSERVATIONS _____ 619

2

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

# CEILING VERSUS VISIBILITY

[illegible] CAPE NEWENHAM AFS AK [illegible] 73-[illegible]

[illegible] FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.3 | 18.2 | 18.4 | 18.6 | 18.6 | 18.6 | 18.6 | 18.7 | 18.7 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | [illegible] |
| [illegible] | 21.5 | 21.7 | 22.3 | 22.3 | 22.3 | 22.3 | 22.5 | 22.5 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | [illegible] |
| [illegible] | 22.3 | 22.7 | 22.9 | 22.9 | 22.9 | 22.9 | 23.1 | 23. | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 |
| [illegible] | 22.5 | 22.7 | 23.2 | 23.2 | 23.2 | 23.2 | 23.3 | 23.3 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | [illegible] |
| [illegible] | 22.0 | 22.4 | 23.6 | 23.6 | 23.6 | 23.6 | 23.7 | 23.7 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | [illegible] |
| [illegible] | 23.4 | 23.9 | 24.0 | 24.0 | 24.0 | 24.0 | 24.1 | 24.1 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | [illegible] |
| 24.1 | 25.4 | 25.9 | 26.1 | 26.1 | 26.1 | 26.1 | 26.2 | 26.2 | 26.5 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | [illegible] |
| [illegible] | 26.6 | 27.2 | 27.3 | 27.3 | 27.3 | 27.3 | 27.5 | 27.5 | 27.9 | 27.9 | 27.9 | 27.9 | 27. | 27.9 | 27.9 |
| 27.5 | [illegible] | [illegible] | 29.6 | 29.8 | 29.8 | 29.8 | 30.0 | 30.[illegible] | 31.4 | 31.4 | 31.4 | 31.4 | [illegible] | [illegible] | [illegible] |
| [illegible] | 31.1 | 31.[illegible] | 31.9 | 31.9 | 31.9 | 31.9 | 32.0 | 32.[illegible] | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | [illegible] | [illegible] |
| 31.3 | 32.9 | 33.4 | 33.7 | 33.7 | 33.7 | 33.7 | 33.8 | 33.9 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| [illegible] | 35.0 | 35.5 | 35.8 | 35.8 | 35.8 | 35.8 | 35.9 | 35.9 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | [illegible] |
| 33.4 | 35.4 | 35.9 | 36.2 | 36.2 | 36.2 | 36.2 | 36.3 | 36.3 | 36.5 | 36.[illegible] | 36. | 36.3 | 36.3 | 36.5 | [illegible] |
| [illegible] | 38.3 | 38.6 | 39.1 | 39.1 | 39.1 | 39.1 | 39.3 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 40.5 | 42.5 | 43.1 | 43.8 | 43.8 | 43.8 | 43.8 | 44.0 | 44.[illegible] | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| [illegible] | 45.7 | [illegible] | 47.2 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 46.5 | 51.2 | 51.9 | 52.6 | 52.6 | 52.6 | 52.6 | 52.8 | 52.[illegible] | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| [illegible] | 53.5 | 54.[illegible] | 54.[illegible] | 54.9 | 54.9 | 54.9 | 55.2 | 55.[illegible] | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| [illegible] | 54.6 | 55.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.3 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 56.2 | 59.5 | 60.6 | 61.4 | 61.4 | 61.4 | 61.4 | 61.7 | 61.7 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| [illegible] | 62.8 | 63.[illegible] | 64.6 | 64.6 | 64.6 | 64.6 | 64.9 | 64.9 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| [illegible] | 63.9 | 64.[illegible] | 65.7 | 65.7 | 65.7 | 65.7 | 66.0 | 66.[illegible] | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | [illegible] |
| [illegible] | 64.6 | 65.6 | 66.4 | 66.4 | 66.4 | 66.4 | 66.7 | 66.7 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 61.7 | 67.3 | [illegible] | 69.1 | 69.2 | 69.2 | 69.2 | 69.5 | 69.5 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| [illegible] | 68.8 | 69.9 | 70.7 | 71.[illegible] | 71.3 | 71.3 | 71.6 | 71.6 | 72.[illegible] | 72.[illegible] | 72.[illegible] | 72.[illegible] | 72.[illegible] | 72.[illegible] | [illegible] |
| [illegible] | 70.5 | 71.8 | 72.8 | 73.2 | 73.5 | 73.5 | 73.8 | 73.[illegible] | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | [illegible] |
| [illegible] | 74.9 | 77.[illegible] | 78.6 | 80.[illegible] | 80.5 | 80.6 | 80.9 | 80.[illegible] | 81.3 | 81.3 | 81.3 | 81.3 | 81.[illegible] | 81.3 | [illegible] |
| [illegible] | 75.1 | 81.7 | 84.6 | 86.4 | 86.8 | 88.1 | 88.5 | 88.5 | 88.9 | 88.9 | 88.9 | 88.9 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 84.5 | 87.7 | 89.5 | 90.0 | 91.5 | 92.2 | 92.[illegible] | 92.6 | 92.6 | 92.6 | 92.6 | 92.[illegible] | 92.8 | [illegible] |
| [illegible] | [illegible] | 85.[illegible] | 88.2 | 90.7 | 91.4 | 93.1 | 93.[illegible] | 93.[illegible] | 94.5 | 94.5 | 94.5 | 94.5 | 94.[illegible] | 94.6 | [illegible] |
| [illegible] | [illegible] | 85.[illegible] | 88.3 | 91.[illegible] | 91.7 | 94.[illegible] | 94.7 | 94.7 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 |
| [illegible] | 81.3 | [illegible] | 89.5 | 92.1 | 92.9 | 96.3 | 97.4 | 97.[illegible] | 98.5 | 98.8 | [illegible] | 99.4 | 99.[illegible] | [illegible] | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 72[illegible]

2

# CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS 454

2

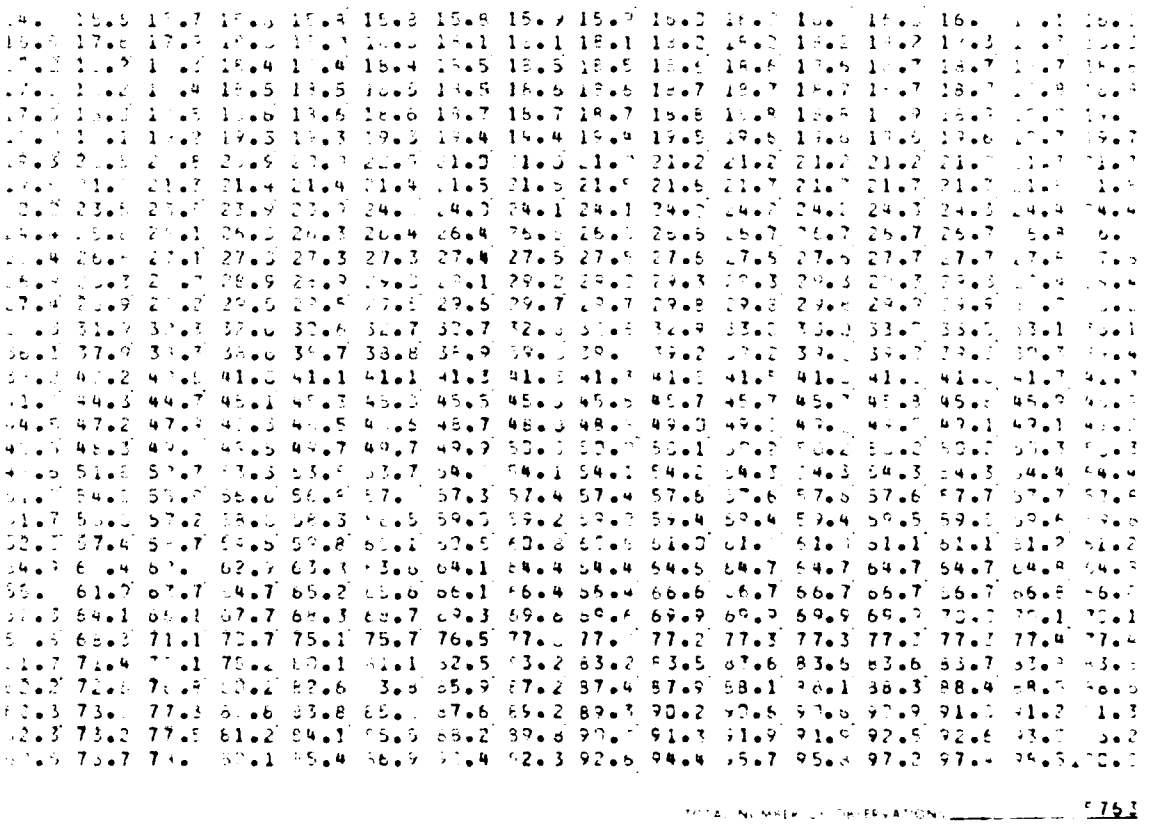
# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.2 | 14.2 | 14.2 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.7 | 14.7 | 14.7 | |
| 16.2 | 16.6 | 16.8 | 16.8 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17. |
| 16.2 | 16.6 | 16.8 | 16.8 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17. | 17.0 | 17.0 | 17.0 | 17. |
| 16.2 | 16.6 | 16.8 | 16.8 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17. | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 16.2 | 16.6 | 16.8 | 16.8 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17. | 17.0 | 17. | 17.0 | 17.0 | 17.0 | 17.0 |
| 17.9 | 17.7 | 17.9 | 17.9 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.3 | 18.3 | 18.3 | 18.3 |
| 19.3 | 19.4 | 19.4 | 19.3 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.4 | 19.4 | 19.4 | 19.4 |
| 22.5 | 22.1 | 22.3 | 22.3 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.7 | 22.7 | 22.7 | 22.7 |
| 25.4 | 25.1 | 25.3 | 25.3 | 25.5 | 25.5 | 25.5 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.9 | 25.9 | 25.9 | 25.9 |
| 28.4 | 28.4 | 28.6 | 28.7 | 28.9 | 28.9 | 28.9 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.3 | 29.3 | 29.3 | 29.3 |
| 30.4 | 30.2 | 30.4 | 30.6 | 30.8 | 30.8 | 30.8 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.2 | 31.2 | 31.2 | 31.2 |
| 32.5 | 32.3 | 32.5 | 32.7 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.2 | 33.2 | 33.2 | 33.2 |
| 34.9 | 34.7 | 34.9 | 35.0 | 35.2 | 35.2 | 35.2 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.6 | 35.6 | 35.6 | 35.6 |
| 36.8 | 36.8 | 37.0 | 37.2 | 37.4 | 37.6 | 37.6 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 38.0 | 38.0 | 38.0 | 38.0 |
| 38.4 | 38.4 | 38.6 | 38.7 | 38.9 | 39.0 | 39.0 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 |
| 40.4 | 40.4 | 40.6 | 40.7 | 40.9 | 41.0 | 41.0 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.4 | 41.4 | 41.4 | 41.4 |
| 42.1 | 42.1 | 42.3 | 42.4 | 42.6 | 42.7 | 42.7 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.1 | 43.1 | 43.1 | 43.1 |
| 43.8 | 43.8 | 44.0 | 44.1 | 44.3 | 44.4 | 44.4 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.8 | 44.8 | 44.8 | 44.8 |
| 45.4 | 45.4 | 45.5 | 45.7 | 45.9 | 46.0 | 46.0 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.4 | 46.4 | 46.4 | 46.4 |
| 46.9 | 46.9 | 47.1 | 47.2 | 47.4 | 47.5 | 47.5 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.9 | 47.9 | 47.9 | 47.9 |
| 48.4 | 48.4 | 48.6 | 48.7 | 48.9 | 49.0 | 49.0 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.4 | 49.4 | 49.4 | 49.4 |
| 49.8 | 49.8 | 50.0 | 50.1 | 50.3 | 50.4 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 |
| 51.1 | 51.1 | 51.3 | 51.4 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.1 | 52.1 | 52.1 | 52.1 |
| 52.4 | 52.4 | 52.6 | 52.7 | 52.9 | 53.0 | 53.0 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 |
| 53.7 | 53.7 | 53.9 | 54.0 | 54.2 | 54.3 | 54.3 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 |
| 55.0 | 55.0 | 55.2 | 55.3 | 55.5 | 55.6 | 55.6 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 56.0 | 56.0 | 56.0 | 56.0 |
| 56.3 | 56.3 | 56.5 | 56.6 | 56.8 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 |
| 57.6 | 57.6 | 57.8 | 57.9 | 58.1 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.6 | 58.6 | 58.6 | 58.6 |
| 58.9 | 58.9 | 59.1 | 59.2 | 59.4 | 59.5 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 |
| 60.2 | 60.2 | 60.4 | 60.5 | 60.7 | 60.8 | 60.8 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 |
| 61.5 | 61.5 | 61.7 | 61.8 | 62.0 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 |
| 62.8 | 62.8 | 63.0 | 63.1 | 63.3 | 63.4 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.8 | 63.8 | 63.8 | 63.8 |
| 64.1 | 64.1 | 64.3 | 64.4 | 64.6 | 64.7 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 |
| 65.4 | 65.4 | 65.6 | 65.7 | 65.9 | 66.0 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.4 | 66.4 | 66.4 | 66.4 |
| 66.7 | 66.7 | 66.9 | 67.0 | 67.2 | 67.3 | 67.3 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 |
| 68.0 | 68.0 | 68.2 | 68.3 | 68.5 | 68.6 | 68.6 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 | 69.0 | 69.0 |
| 69.3 | 69.3 | 69.5 | 69.6 | 69.8 | 69.9 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 |
| 70.6 | 70.6 | 70.8 | 70.9 | 71.1 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 |
| 71.9 | 71.9 | 72.1 | 72.2 | 72.4 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 |
| 73.2 | 73.2 | 73.4 | 73.5 | 73.7 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| 74.5 | 74.5 | 74.7 | 74.8 | 75.0 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 |
| 75.8 | 75.8 | 76.0 | 76.1 | 76.3 | 76.4 | 76.4 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 |
| 77.1 | 77.1 | 77.3 | 77.4 | 77.6 | 77.7 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.1 | 78.1 | 78.1 | 78.1 |
| 78.4 | 78.4 | 78.6 | 78.7 | 78.9 | 79.0 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 |
| 79.7 | 79.7 | 79.9 | 80.0 | 80.2 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 |
| 81.0 | 81.0 | 81.2 | 81.3 | 81.5 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 |
| 82.3 | 82.3 | 82.5 | 82.6 | 82.8 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 |
| 83.6 | 83.6 | 83.8 | 83.9 | 84.1 | 84.2 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 |
| 84.9 | 84.9 | 85.1 | 85.2 | 85.4 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 |
| 86.2 | 86.2 | 86.4 | 86.5 | 86.7 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 |
| 87.5 | 87.5 | 87.7 | 87.8 | 88.0 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 |
| 88.8 | 88.8 | 89.0 | 89.1 | 89.3 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 |
| 90.1 | 90.1 | 90.3 | 90.4 | 90.6 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 |
| 91.4 | 91.4 | 91.6 | 91.7 | 91.9 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 |
| 92.7 | 92.7 | 92.9 | 93.0 | 93.2 | 93.3 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 |
| 94.0 | 94.0 | 94.2 | 94.3 | 94.5 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 |
| 95.3 | 95.3 | 95.5 | 95.6 | 95.8 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 |
| 96.6 | 96.6 | 96.8 | 96.9 | 97.1 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 |
| 97.9 | 97.9 | 98.1 | 98.2 | 98.4 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 336

2

# CEILING VERSUS VISIBILITY



TOTAL NUMBER OF OBSERVATIONS 5763

2

... CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

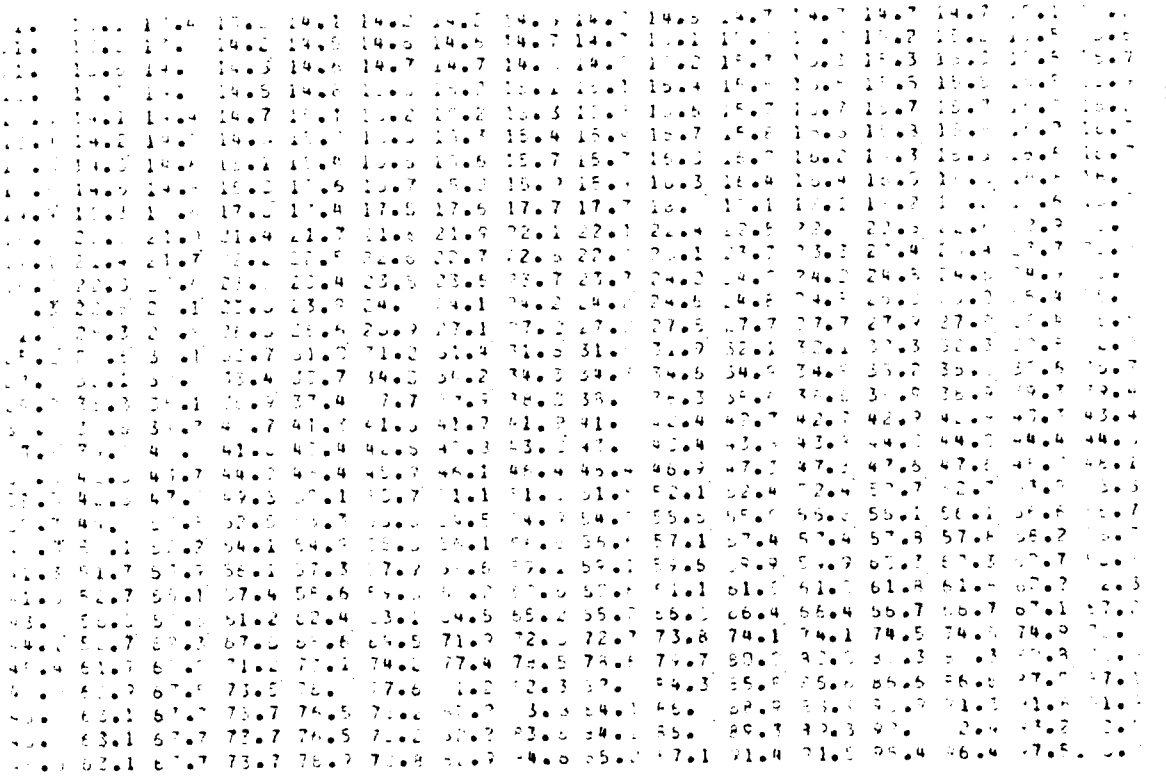
CAPE NEWENHAM AFS AK 73-8? JUL

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13.2 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | [illegible] | 13.5 | [illegible] | [illegible] | 14.4 |
| [illegible] | 14.3 | 14.4 | 14.4 | 14.6 | 14.5 | 14.6 | 14.8 | [illegible] | 14.8 | [illegible] | [illegible] | [illegible] | [illegible] | 15.5 | [illegible] |
| [illegible] | 14.4 | [illegible] | [illegible] | [illegible] | 15.4 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 14.4 | [illegible] | [illegible] | 15.4 | 15.4 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | [illegible] | 15.7 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 15.4 | 15.4 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 15.7 | 15.7 | [illegible] | 15.9 | [illegible] | 15.9 | 15.9 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14.7 | [illegible] | [illegible] | [illegible] | 17.1 | 17.1 | 17.3 | 17.3 | [illegible] | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 17.3 | 17.3 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 18.2 | [illegible] |
| [illegible] | [illegible] | 19.1 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 19.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 22.3 | [illegible] | [illegible] | 23.4 | 23.4 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | [illegible] | [illegible] |
| [illegible] | 23.1 | [illegible] | [illegible] | 24.2 | 24.2 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 25.5 | [illegible] | [illegible] | 26.2 | 26.2 | [illegible] | 26.2 | 26.2 | 26.2 | 26.2 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 26.7 | [illegible] | [illegible] | [illegible] | 26.9 | 26.9 | [illegible] | [illegible] | 26.9 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 30.6 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | 34.9 | [illegible] | [illegible] | [illegible] | [illegible] | 37.2 | 37.2 | [illegible] | 37.2 | 37.2 | 37.2 | [illegible] | 37.2 | 37.9 | [illegible] |
| [illegible] | [illegible] | 37.9 | [illegible] | 39.1 | 39.1 | [illegible] | 39.3 | [illegible] | 39.3 | 39.3 | [illegible] | 39.3 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 41.3 | [illegible] | [illegible] | [illegible] | 42.6 | 42.3 | [illegible] | [illegible] | 42.3 | [illegible] | 42.8 | [illegible] | 43.5 | 43.7 |
| [illegible] | [illegible] | 43.4 | 44.3 | 44.8 | [illegible] | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 46.1 | [illegible] |
| [illegible] | 43.2 | 44.5 | [illegible] | 46.2 | [illegible] | 46.8 | 46.8 | [illegible] | [illegible] | [illegible] | [illegible] | 46.9 | [illegible] | 47.4 | 47.7 |
| [illegible] | [illegible] | [illegible] | 47.6 | [illegible] | 48.4 | [illegible] | 49.2 | [illegible] | 49.2 | 49.2 | 49.2 | 49.3 | 49.3 | [illegible] | 51.2 |
| [illegible] | [illegible] | [illegible] | 51.2 | [illegible] | [illegible] | [illegible] | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | [illegible] | 53.2 | 53.9 | [illegible] |
| [illegible] | [illegible] | 51.4 | 53.2 | 54.3 | [illegible] | 55.5 | 55.8 | [illegible] | [illegible] | [illegible] | [illegible] | 55.9 | 55.9 | 56.6 | [illegible] |
| [illegible] | [illegible] | [illegible] | 54.4 | 55.7 | 55.9 | [illegible] | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.3 | 57.3 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 57.2 | 57.4 | [illegible] | 58.7 | 58.7 | 58.8 | [illegible] | [illegible] | 58.9 | 58.9 | 59.6 | [illegible] |
| [illegible] | 52.6 | 55.1 | 57.7 | [illegible] | 59.3 | 60.3 | 60.7 | [illegible] | [illegible] | [illegible] | [illegible] | 60.9 | [illegible] | 61.6 | [illegible] |
| [illegible] | 55.1 | [illegible] | [illegible] | 62.6 | [illegible] | 64.3 | 64.7 | 64.7 | [illegible] | [illegible] | [illegible] | 65.1 | 65.1 | 65.8 | [illegible] |
| [illegible] | [illegible] | 61.1 | 65.0 | 67.2 | 68.1 | 69.6 | 70.1 | 70.1 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 71.5 | 71.7 |
| [illegible] | 61.4 | 65.1 | [illegible] | 72.7 | 73.8 | 76.3 | 77.5 | [illegible] | 78.2 | 78.2 | [illegible] | 78.3 | [illegible] | [illegible] | 79.2 |
| [illegible] | 62.9 | 66.8 | [illegible] | 75.3 | 76.7 | 79.6 | 81.0 | 81.6 | 82.9 | 83.9 | 83.9 | 84.7 | 84.7 | 85.4 | [illegible] |
| [illegible] | 63.6 | 67.6 | [illegible] | 76.3 | [illegible] | 81.4 | 83.3 | 83.9 | 85.5 | 87.1 | 87.1 | 89.6 | 89.6 | [illegible] | [illegible] |
| [illegible] | 63.6 | 67.6 | [illegible] | 76.3 | [illegible] | 82.0 | 83.9 | [illegible] | 86.1 | 87.9 | 87.9 | [illegible] | [illegible] | 92.7 | [illegible] |
| [illegible] | 63.7 | 67.7 | 73.1 | 76.6 | [illegible] | 82.5 | 84.3 | [illegible] | 86.9 | 89.6 | 87.9 | 94.2 | 94.4 | [illegible] | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 662

2

# CEILING VERSUS VISIBILITY



# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY

2

AL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

CAPE NEWENHAM AFS AK 73-[illegible] JUL

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 17.[illegible] | 17.7 | 17.6 | 17.6 | 17.8 | 17.9 | 17.9 | 17.[illegible] | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | [illegible] | [illegible] |
| 17.7 | 1[illegible].7 | 19.[illegible] | 19.9 | 19.9 | 19.9 | 20.2 | 20.2 | 20.2 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.[illegible] |
| [illegible] | 1[illegible].7 | [illegible] | 19.7 | 19.9 | 19.9 | [illegible] | 20.2 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 |
| [illegible].7 | 19.7 | 1[illegible].8 | 19.9 | 19.9 | 19.9 | 20.2 | 20.2 | 20.3 | 2[illegible].7 | 2[illegible].7 | 2[illegible].7 | 2[illegible].7 | [illegible].7 | [illegible].7 | [illegible].7 |
| 1[illegible].7 | 1[illegible].7 | 1[illegible].8 | 19.9 | 19.9 | 19.9 | 20.2 | 20.2 | 20.3 | 20.7 | 20.7 | 2[illegible].7 | 2[illegible].7 | 2[illegible].7 | [illegible].7 | [illegible].7 |
| [illegible] | [illegible].3 | 2[illegible].4 | 20.5 | 2[illegible].5 | 20.5 | [illegible].9 | 20.9 | 21.0 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 |
| [illegible].3 | 21.4 | 21.5 | 21.6 | 21.6 | 21.6 | 22.1 | 22.1 | 22.[illegible] | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.[illegible] |
| 20.[illegible] | 21.5 | 21.6 | 21.7 | 21.8 | 21.8 | 22.3 | 22.3 | 22.4 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 |
| 22.6 | 23.3 | 24.0 | 24.1 | 24.2 | 24.2 | 24.7 | 24.7 | 24.[illegible] | 25.1 | 25.1 | 25.1 | 2[illegible].1 | 25.1 | 25.1 | [illegible].1 |
| [illegible] | 26.5 | 26.[illegible] | 27.0 | 27.1 | 27.1 | 27.5 | 27.5 | 27.6 | 27.9 | 27.9 | 27.[illegible] | 27.9 | 27.9 | 27.9 | 27.9 |
| 26.3 | 27.9 | 28.2 | 28.3 | 28.4 | 28.4 | 28.8 | 28.8 | 28.9 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 27.5 | 29.2 | 29.[illegible] | 29.6 | 29.7 | 29.7 | 30.1 | 30.1 | 30.2 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| 28.3 | 29.9 | 30.1 | 30.2 | 30.3 | 30.3 | 30.6 | 30.[illegible] | 30.9 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| 30.2 | 31.0 | 31.3 | 31.4 | 31.5 | 31.7 | 32.2 | 32.2 | 32.3 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 |
| 32.7 | 34.3 | 35.[illegible] | 35.3 | 35.4 | 35.7 | 36.2 | 36.2 | 36.3 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 |
| 35.[illegible] | 38.2 | 38.7 | 38.9 | 39.0 | 39.3 | 40.0 | 40.0 | 40.1 | 40.4 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 39.7 | 42.5 | 43.2 | 43.4 | 43.6 | 43.9 | 44.6 | 44.6 | 44.7 | 45.0 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| 42.[illegible] | 46.4 | 47.2 | 47.5 | 47.7 | 48.[illegible] | 48.8 | 48.8 | 48.9 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| 43.9 | 47.8 | 48.6 | 48.9 | 49.1 | 49.5 | 50.2 | 50.2 | 50.3 | 50.7 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| 47.[illegible] | 52.7 | 53.9 | 54.3 | 54.9 | 55.2 | 56.[illegible] | 56.[illegible] | 56.[illegible] | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 47.[illegible] | 54.7 | 55.2 | 56.7 | 57.3 | 57.6 | 58.4 | 58.4 | 58.5 | 58.9 | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] | 59.[illegible] |
| 50.7 | 56.2 | 57.5 | 58.2 | 58.7 | 59.1 | 60.0 | 60.0 | 60.2 | 60.5 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 |
| 52.2 | 56.[illegible] | 59.3 | 60.0 | 60.9 | 61.4 | 62.5 | 62.[illegible] | 62.7 | 63.0 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 |
| 53.[illegible] | 60.9 | 62.3 | 63.[illegible] | 64.1 | 64.7 | 65.8 | 65.8 | 66.[illegible] | 66.3 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 |
| 55.0 | 62.6 | 64.6 | 65.9 | 67.2 | 67.7 | 68.8 | 68.8 | 69.[illegible] | 69.3 | 69.5 | 69.5 | 69.5 | 69.6 | 69.[illegible] | 69.6 |
| 56.[illegible] | 65.5 | 67.5 | 69.7 | 71.3 | 71.8 | 72.9 | 72.9 | 73.2 | 73.8 | 73.9 | 73.9 | 74.[illegible] | 74.[illegible] | 74.[illegible] | 74.[illegible] |
| 59.5 | 69.3 | 70.5 | 74.6 | 76.2 | 76.8 | 78.3 | 78.7 | 79.[illegible] | 79.8 | 80.[illegible] | 80.[illegible] | 80.1 | 80.1 | 80.1 | 80.1 |
| 62.3 | 73.7 | 77.[illegible] | 79.7 | 82.1 | [illegible].2 | 85.2 | 86.1 | 86.4 | 87.3 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 |
| 62.7 | 75.9 | 79.7 | 83.3 | 86.5 | 88.4 | 91.3 | 92.2 | 92.6 | 93.5 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 94.[illegible] |
| 62.[illegible] | 76.1 | 79.9 | 83.5 | 87.3 | 89.2 | 92.3 | 93.4 | 93.[illegible] | 95.1 | 95.4 | 95.4 | 96.0 | 96.[illegible] | 96.0 | 96.1 |
| 63.0 | 76.2 | 80.7 | 83.6 | 87.4 | 89.3 | 92.6 | 93.7 | 94.1 | 95.7 | 96.2 | 96.2 | 97.0 | 97.[illegible] | 97.2 | 97.3 |
| 63.2 | 76.3 | 80.1 | 83.9 | 87.8 | 89.9 | 93.5 | 94.6 | 95.[illegible] | 96.7 | 97.3 | 97.4 | 98.6 | 98.6 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 92[illegible]

2

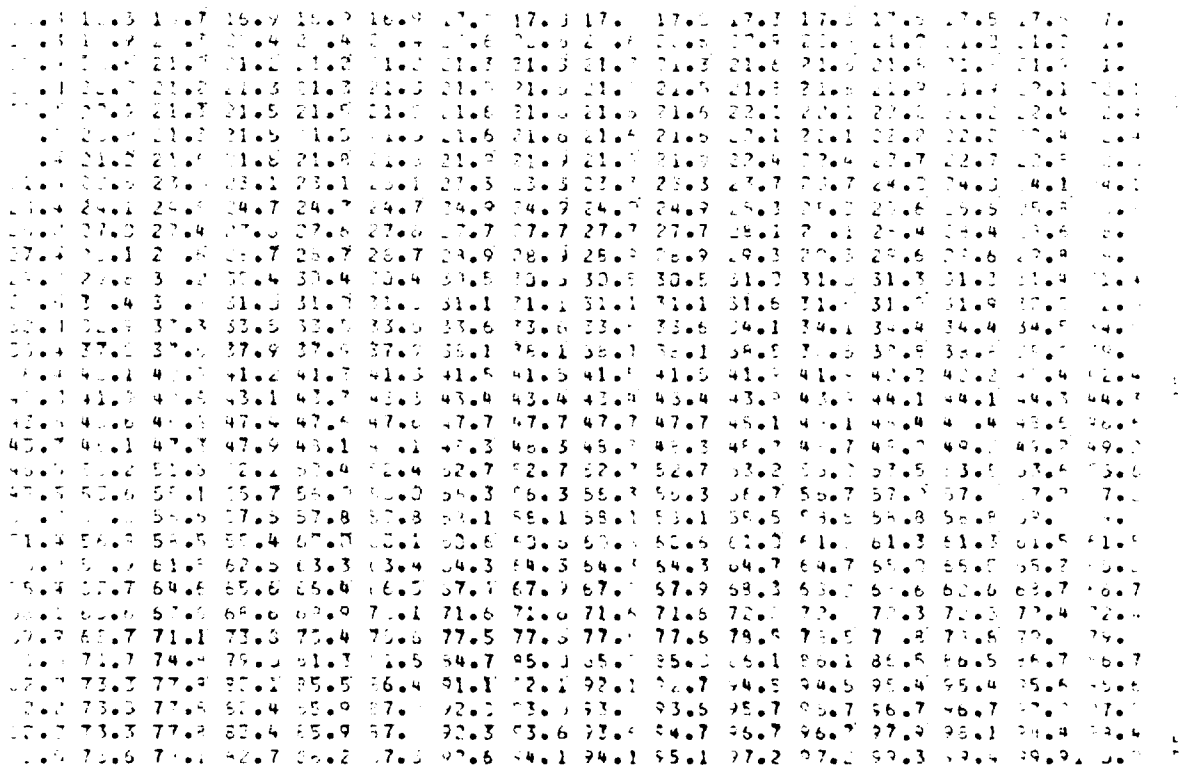
# CEILING VERSUS VISIBILITY

JUL

TOTAL NUMBER OF OBSERVATIONS 864

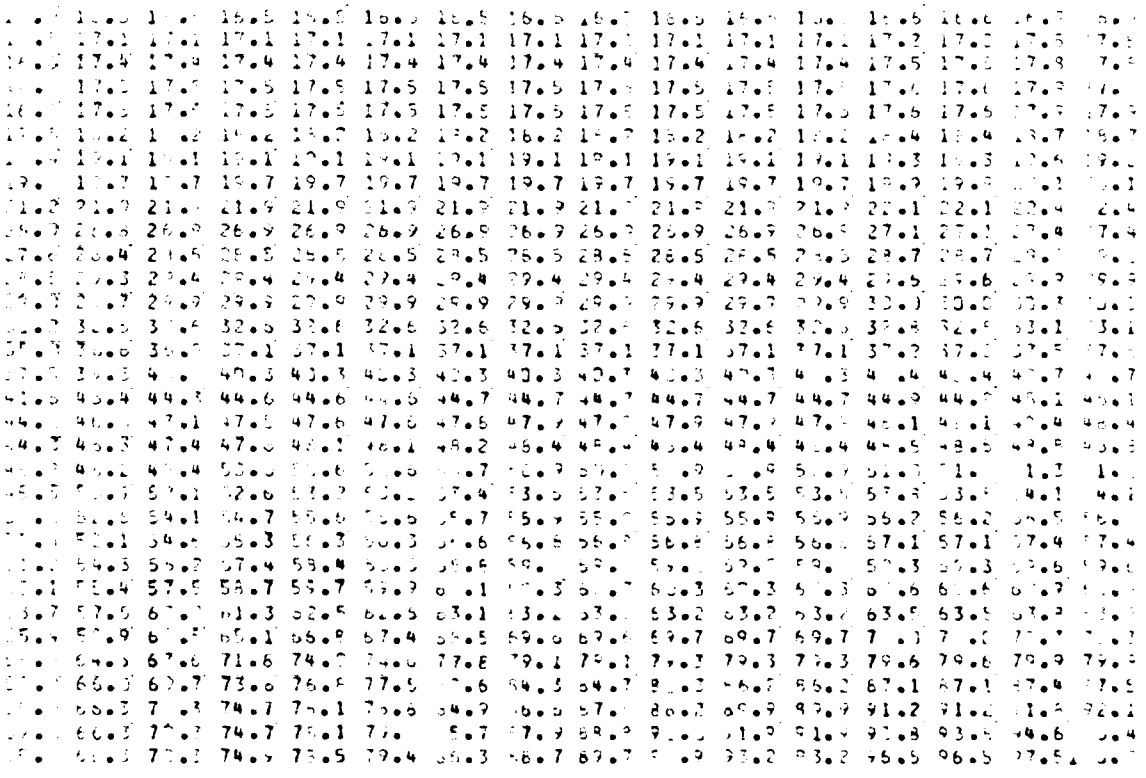
2

# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY



TOTAL NUMBER OF OBSERVATIONS 84

2

# CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS 5757

2

# CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS

2

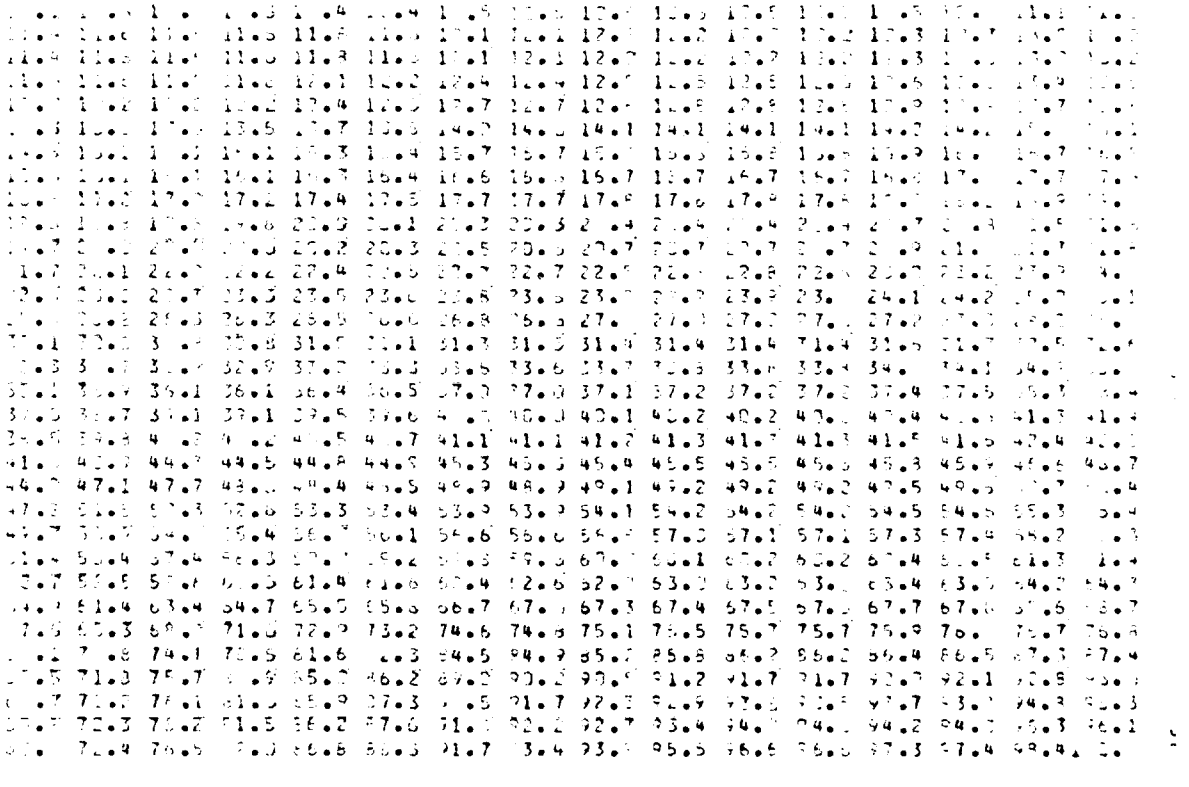
# CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS 91

2

# CEILING VERSUS VISIBILITY

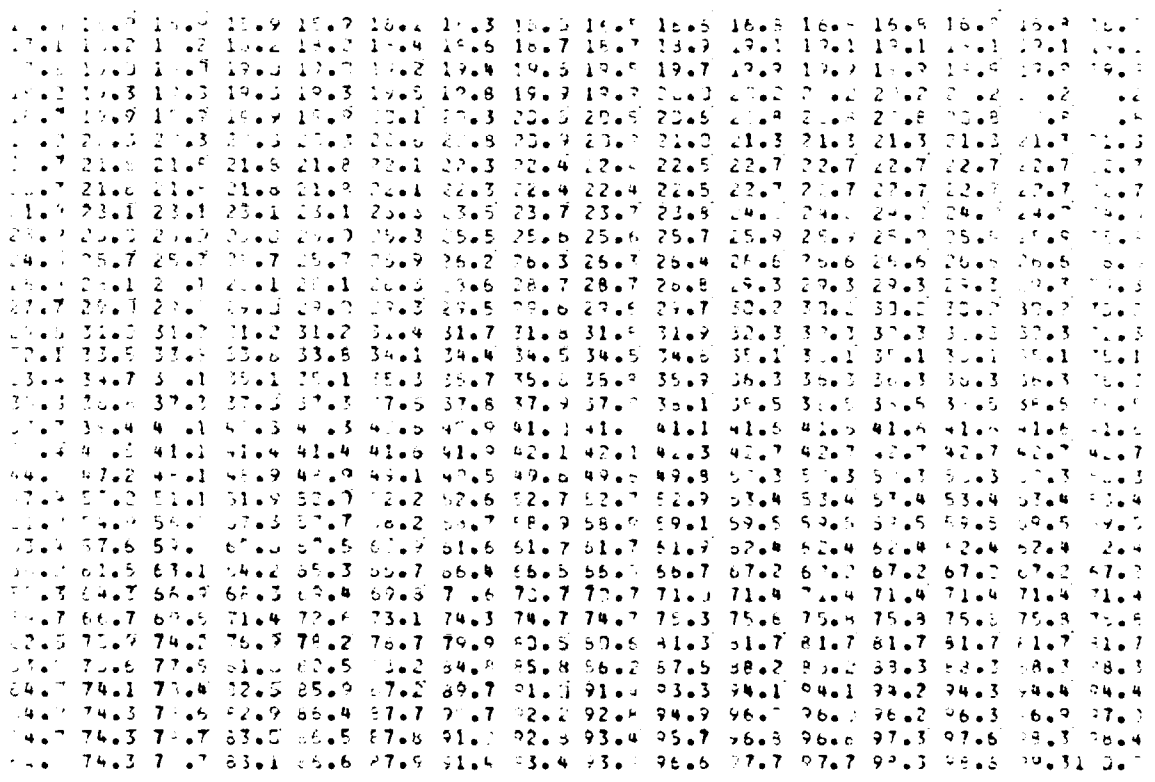
# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

# CEILING VERSUS VISIBILITY



A. NUMBER OF OBSERVATIONS 675

2

# CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS 74

2

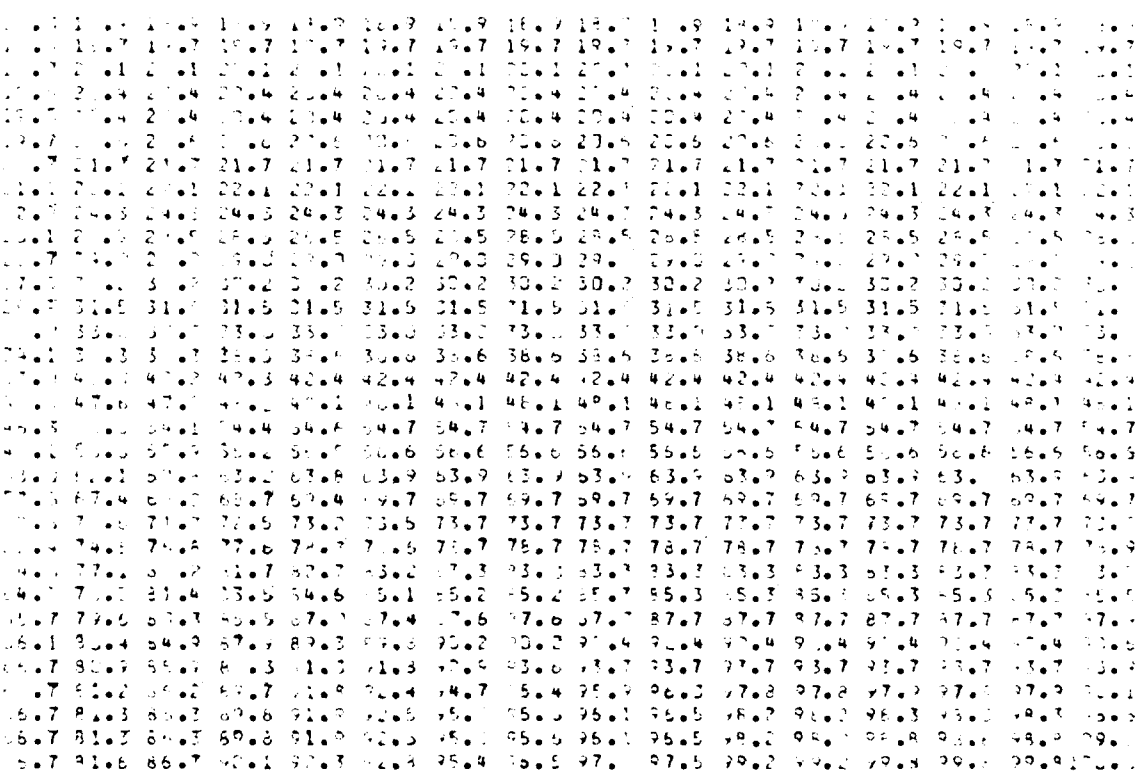
# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY

Z

# CEILING VERSUS VISIBILITY



87

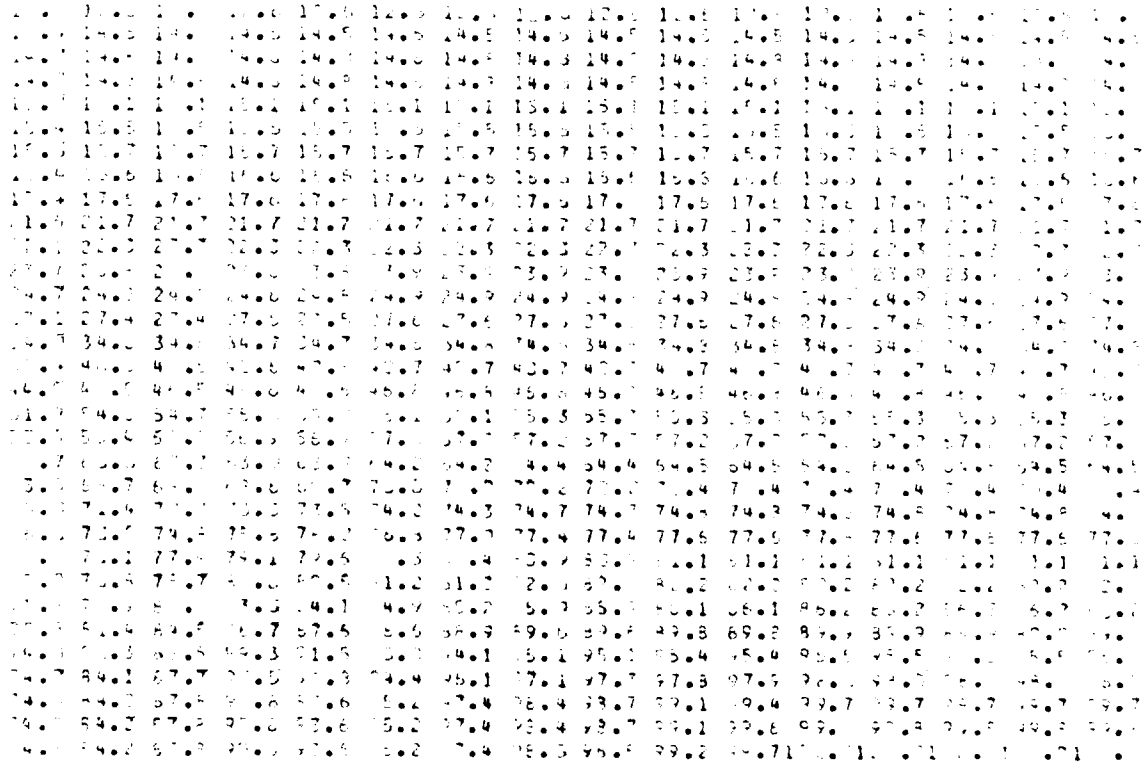
2

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| 2 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 3 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 |
| 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 | 23.0 |
| 5 | 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 |
| 6 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 7 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 |
| 8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 |
| 9 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| 10 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| 11 | 35.1 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| 12 | 39.3 | 39.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| 13 | 43.4 | 43.4 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| 14 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.6 | 48.6 | 48.6 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 15 | 55.8 | 56.2 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| 16 | 57.2 | 57.3 | 57.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 17 | 64.7 | 65.3 | 66.0 | 66.0 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 18 | 69.2 | 70.2 | 71.2 | 71.4 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 19 | 74.6 | 74.8 | 75.3 | 75.8 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 |
| 20 | 78.0 | 79.1 | 80.5 | 81.1 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 21 | 84.7 | 85.5 | 87.6 | 84.0 | 84.9 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 |
| 22 | 85.5 | 79.2 | 87.7 | 85.1 | 86.3 | 86.2 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 |
| 23 | 86.4 | 89.7 | 85.7 | 87.5 | 88.4 | 88.6 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 24 | 86.7 | 81.6 | 88.9 | 89.0 | 90.8 | 91.0 | 91.4 | 91.9 | 91.9 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 25 | 87.1 | 82.4 | 87.8 | 91.0 | 92.5 | 92.9 | 93.7 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 26 | 87.7 | 82.4 | 87.7 | 91.2 | 92.9 | 93.4 | 95.3 | 96.1 | 96.4 | 97.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 27 | 87.8 | 82.4 | 87.7 | 91.2 | 93.1 | 93.5 | 95.4 | 96.2 | 96.5 | 97.2 | 98.8 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | |
| 28 | 87.4 | 82.5 | 87.9 | 91.4 | 93.3 | 93.7 | 95.6 | 96.4 | 96.9 | 97.4 | 99. | 99. | 99.4 | 99.4 | 99.6 | 99.6 | |
| 29 | 87.4 | 82.5 | 87.9 | 91.4 | 93.3 | 93.7 | 95.6 | 96.6 | 97. | 97.5 | 99.2 | 99.2 | 99.8 | 99.8 | 99.9 | | |

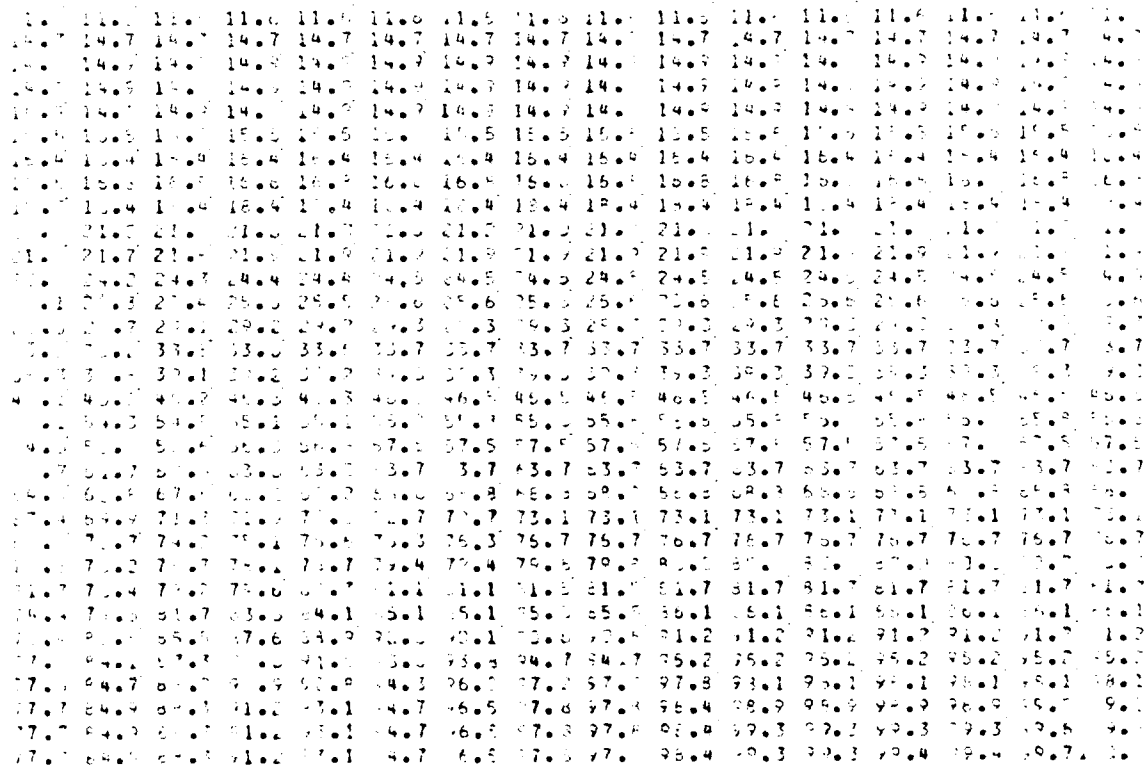
2

CEILING VERSUS VISIBILITY

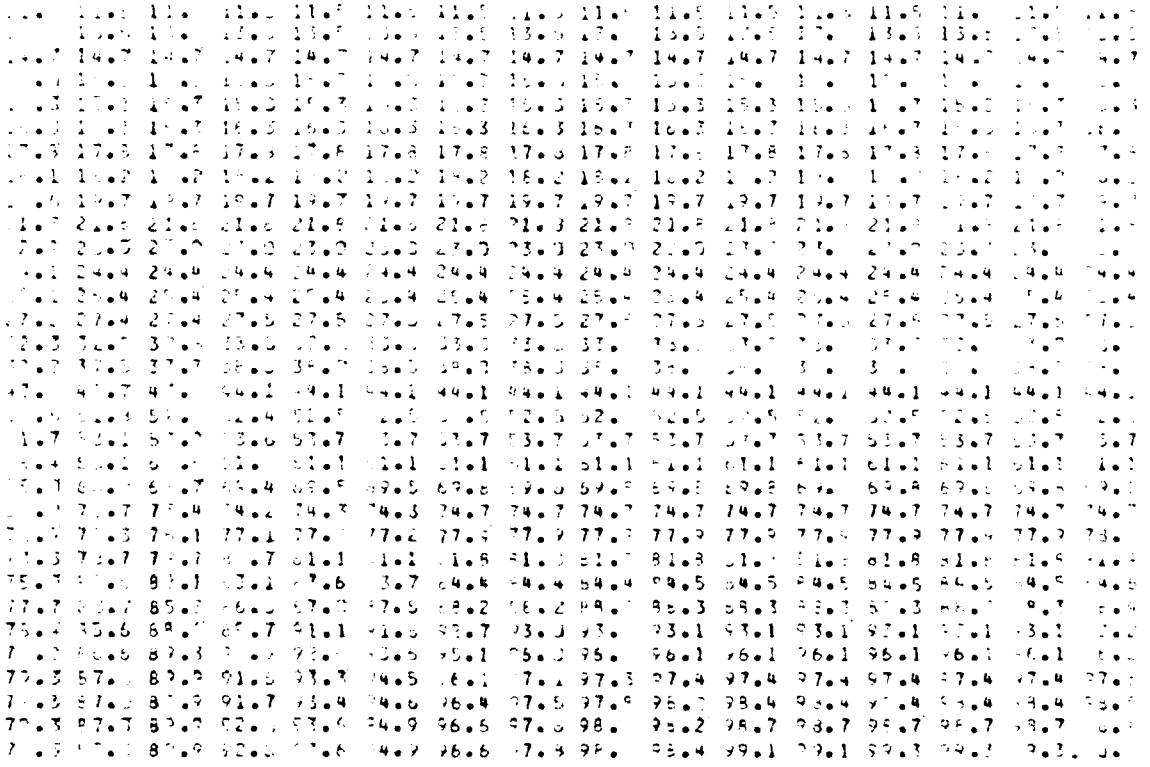


2

# CEILING VERSUS VISIBILITY



# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 |
| 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 |
| 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 |
| 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 |
| 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 19.1 | 19.1 | 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 | 19.2 |
| 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 |
| 24.1 | 24.1 | 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 |
| 25.7 | 25.7 | 25.7 | 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 |
| 25.7 | 25.7 | 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 |
| 26.1 | 26.2 | 26.2 | 26.2 | 26.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| 32.4 | 32.5 | 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 |
| 36.4 | 36.6 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| 41.3 | 41.4 | 41.4 | 41.4 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| 49.9 | 50.1 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| 52.3 | 52.4 | 52.4 | 52.4 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 62.2 | 62.7 | 63.0 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 68.7 | 69.4 | 69.7 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 71.1 | 72.3 | 72.6 | 72.9 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 74.4 | 74.5 | 75.1 | 76.5 | 77.7 | 78.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 77.1 | 77.5 | 77.7 | 80.1 | 81.6 | 82.1 | 82.2 | 82.3 | 82.7 | 82.5 | 82.5 | 82.6 | 82.5 | 82.5 | 82.5 | 82.5 |
| 77.7 | 78.4 | 81.9 | 83.3 | 84.6 | 85.3 | 85.5 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 78.4 | 82.4 | 84.3 | 84.7 | 87.1 | 87.8 | 88.1 | 88.2 | 88.1 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 79.1 | 82.2 | 85.7 | 86.5 | 89.0 | 89.8 | 90.3 | 90.4 | 90.1 | 91.1 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 79.1 | 84.1 | 87.9 | 89.2 | 91.9 | 92.9 | 94.2 | 94.3 | 94.4 | 94.7 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 |
| 77.9 | 86.1 | 89.9 | 91.2 | 94.2 | 95.8 | 97.5 | 97.8 | 97.9 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 77.9 | 86.1 | 9 .7 | 91.4 | 94.3 | 96.1 | 97.9 | 98.2 | 98.3 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 77.9 | 86.1 | 90.7 | 91.4 | 94.3 | 96.1 | 97.9 | 98.2 | 98.3 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 77.9 | 86.2 | 90.1 | 91.5 | 94.4 | 96.2 | 98.2 | 98.6 | 98.7 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 99.91 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 713

2

# CEILING VERSUS VISIBILITY

[illegible] CAPE NEWENHAM AFS AK [illegible]

[illegible]

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | 1 .9 | 16.9 | 13.[illegible] | 16.9 | 18.9 | 18.9 | 15.[illegible] | 13.9 | 15.5 | 13.9 | 18.9 | 15.9 | 18.9 | [illegible] |
| [illegible].7 | 2 .6 | 2 .6 | 20.6 | 2 .6 | 20.6 | 20.6 | 20.6 | 20.6 | 20.5 | 20.6 | 20.6 | 20.6 | 20.6 | 20.5 | 20.6 |
| [illegible] | 20.8 | 20.8 | 20.8 | 2 .8 | 20.8 | 21.3 | 21.3 | 21.8 | 21.3 | 21.8 | [illegible] | 2 .8 | [illegible] | [illegible] | [illegible] |
| [illegible] | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 1.2 |
| [illegible].4 | 1.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 |
| [illegible] | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 |
| 21.[illegible] | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | [illegible] |
| 22.4 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 |
| 23.[illegible] | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| [illegible].4 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 3 .5 | 30.5 | [illegible] |
| [illegible] | 3 .6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 3 .6 | 30.6 | [illegible] |
| [illegible].7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 |
| [illegible] | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| 32.4 | 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 |
| 36.2 | 39.2 | 39.2 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 |
| 38.[illegible] | 42.3 | 42.4 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| 42. | 47.6 | 47.3 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| 48.7 | 54.[illegible] | 55.1 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 50.[illegible] | 55.4 | 56.9 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.[illegible] | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 57.[illegible] | 65.9 | 66.7 | 67.[illegible] | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 63.5 | 71.3 | 7 .5 | 73.1 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| 63.[illegible] | 73.7 | 74.[illegible] | 75.4 | 75.7 | 75.8 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.[illegible] | 76.0 | 76.0 | 76.0 | 76. |
| 65.4 | 76.7 | 78.9 | 79.6 | [illegible].2 | [illegible].3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | [illegible] |
| 67.7 | 79.2 | 81.9 | 83.[illegible] | 84.4 | 84.6 | 84.7 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 5.1 |
| [illegible] | 80.2 | 87.3 | 84.7 | 86.4 | 86.5 | 86.8 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | [illegible].4 |
| [illegible] | 81.7 | 85.5 | 87.[illegible] | 88.7 | 88.8 | 89.1 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| [illegible] | 82.4 | 85.6 | 86.4 | 90.2 | 90.4 | 90.9 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | [illegible] |
| [illegible] | 83.5 | 87.8 | 89.2 | 92.5 | 92.7 | 94.1 | 94.6 | 94.[illegible] | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | [illegible] |
| 7 .8 | 84.3 | 88.6 | 91.1 | 93.4 | 93.7 | 95.5 | 96.3 | 96.7 | 97.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 70.5 | 84.4 | 89.8 | 91.4 | 93.7 | 94.1 | 96.[illegible] | 96.9 | 97.3 | 97.7 | 98.3 | 98.[illegible] | 98.5 | 98.5 | 98.5 | 98.5 |
| 70.9 | 84.4 | 89.8 | 91.4 | 93.7 | 94.1 | 96.[illegible] | 96.9 | 97.3 | 97.7 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | [illegible] |
| 71.[illegible] | 84.5 | 89.2 | 91.6 | 94.1 | 94.5 | 97.0 | 98.1 | 98.5 | 98.9 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 775

2

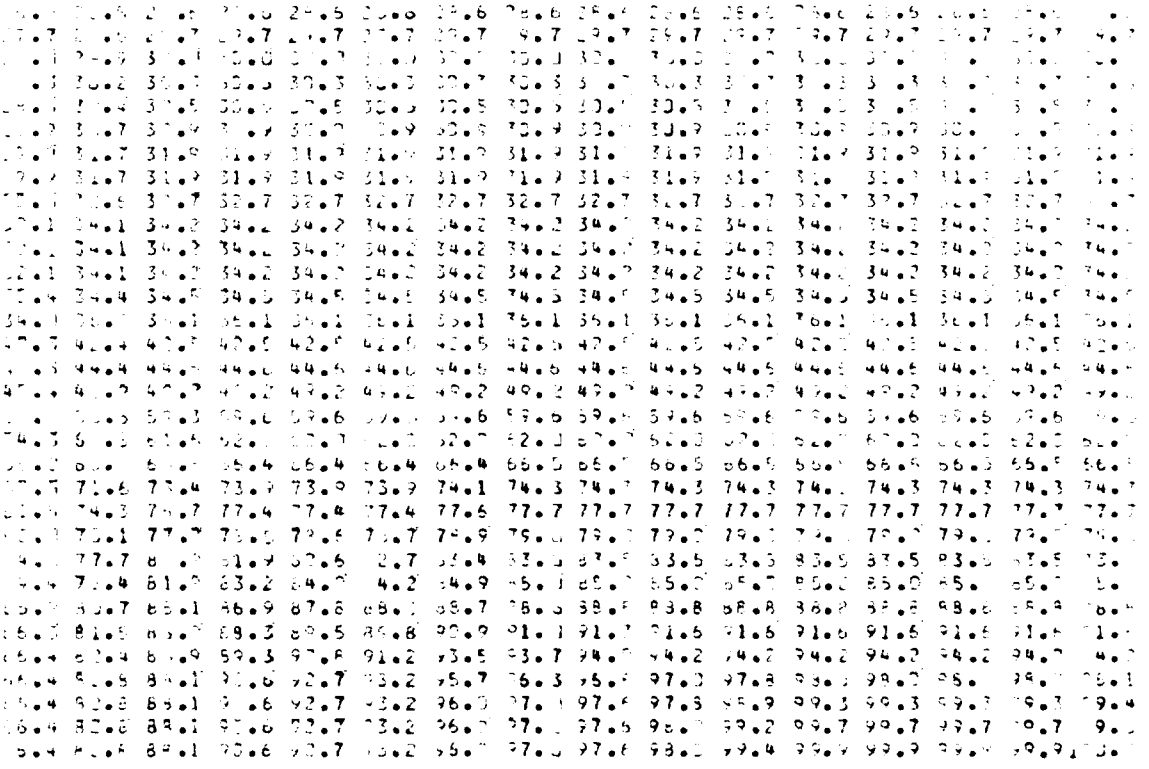
# CEILING VERSUS VISIBILITY

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# CEILING VERSUS VISIBILITY

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# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

2

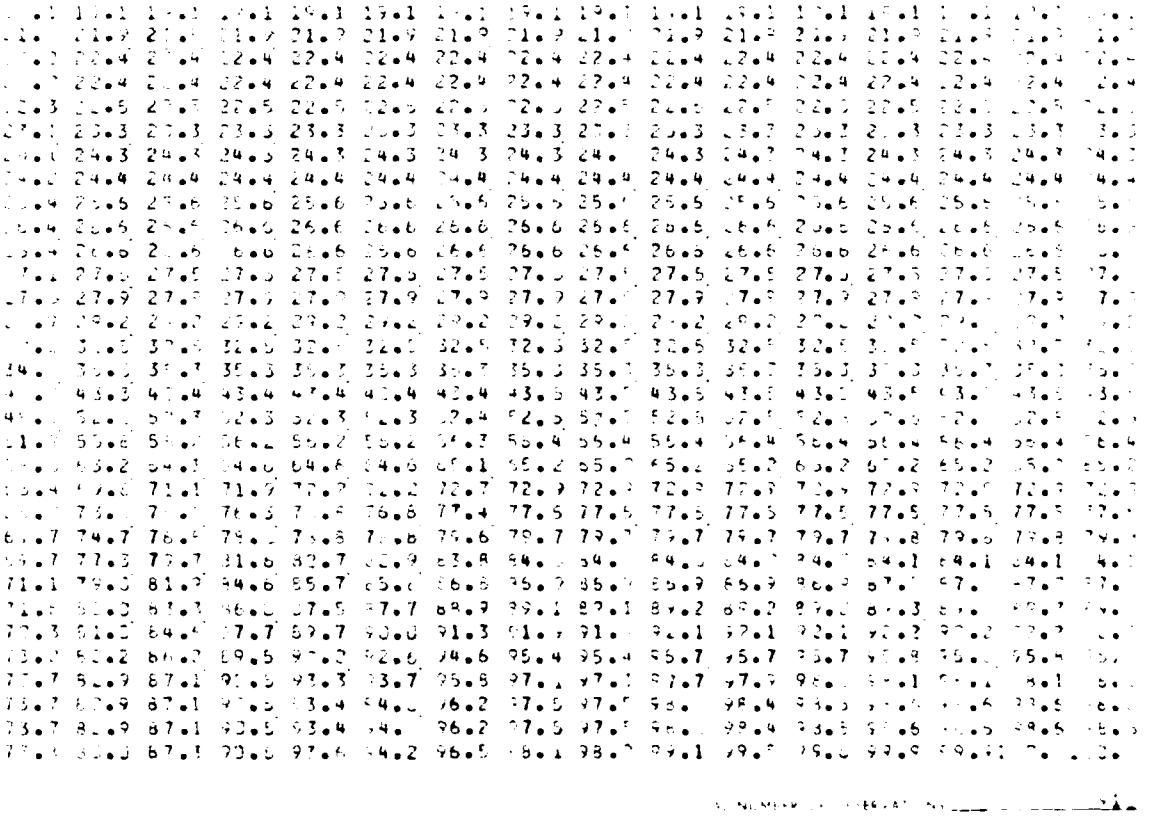
# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.4 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | |
| 19.1 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | |
| 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 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 | |
| 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 | |
| 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | |
| 21.4 | 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 | 21.9 | 21.9 | |
| 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | |
| 23.4 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | |
| 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 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 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | |
| 24.6 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | |
| 25.2 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | |
| 27.7 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | |
| 32.8 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | |
| 35.4 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | |
| 40.4 | 41.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | |
| 47.7 | 50.4 | 50.5 | 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 | |
| 52.9 | 54.4 | 54.4 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | |
| 56.4 | 61.7 | 63.2 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | |
| 63.4 | 71.3 | 71.6 | 72.7 | 72.8 | 73.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | |
| 65.7 | 73.6 | 74.5 | 75.6 | 76.5 | 75.6 | 76.8 | 77.2 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | |
| 66.9 | 74.1 | 75.7 | 77.3 | 78.3 | 78.4 | 79.7 | 79.1 | 79.1 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | |
| 67.8 | 77.1 | 79.6 | 81.7 | 82.1 | 82.1 | 82.5 | 82.9 | 82.9 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | |
| 67.8 | 77.7 | 81.6 | 83.1 | 84.7 | 84.9 | 85.2 | 85.7 | 85.7 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | |
| 70.5 | 79.4 | 83.7 | 84.6 | 85.4 | 86.6 | 87.1 | 87.8 | 87.9 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | |
| 71.6 | 81.1 | 85.4 | 87.8 | 89.7 | 90.2 | 90.8 | 91.5 | 91.5 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | |
| 72.5 | 82.2 | 86.8 | 89.6 | 91.7 | 92.2 | 93.4 | 94.4 | 94.4 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | |
| 72.7 | 82.9 | 87.7 | 91.0 | 93.4 | 94.2 | 95.7 | 96.7 | 96.7 | 97.4 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | |
| 72.9 | 82.9 | 87.7 | 91.0 | 93.5 | 94.3 | 95.9 | 97.1 | 97.1 | 97.7 | 98.6 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | |
| 72.9 | 82.9 | 87.7 | 91.0 | 93.5 | 94.3 | 96.0 | 97.1 | 97.1 | 97.9 | 98.8 | 99.0 | 99.4 | 99.4 | 99.6 | 99.6 | |
| 72.9 | 82.9 | 87.7 | 91.0 | 93.5 | 94.3 | 96.1 | 97.4 | 97.4 | 98.2 | 99.2 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS 577

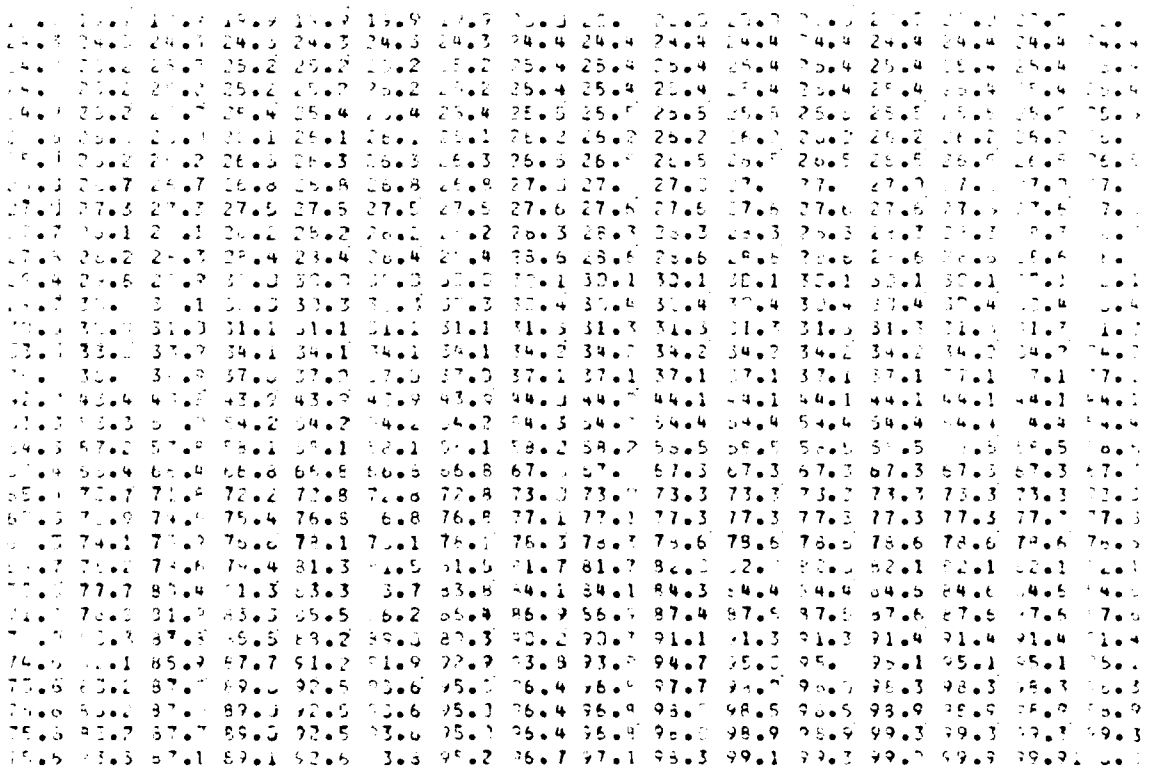
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# CEILING VERSUS VISIBILITY



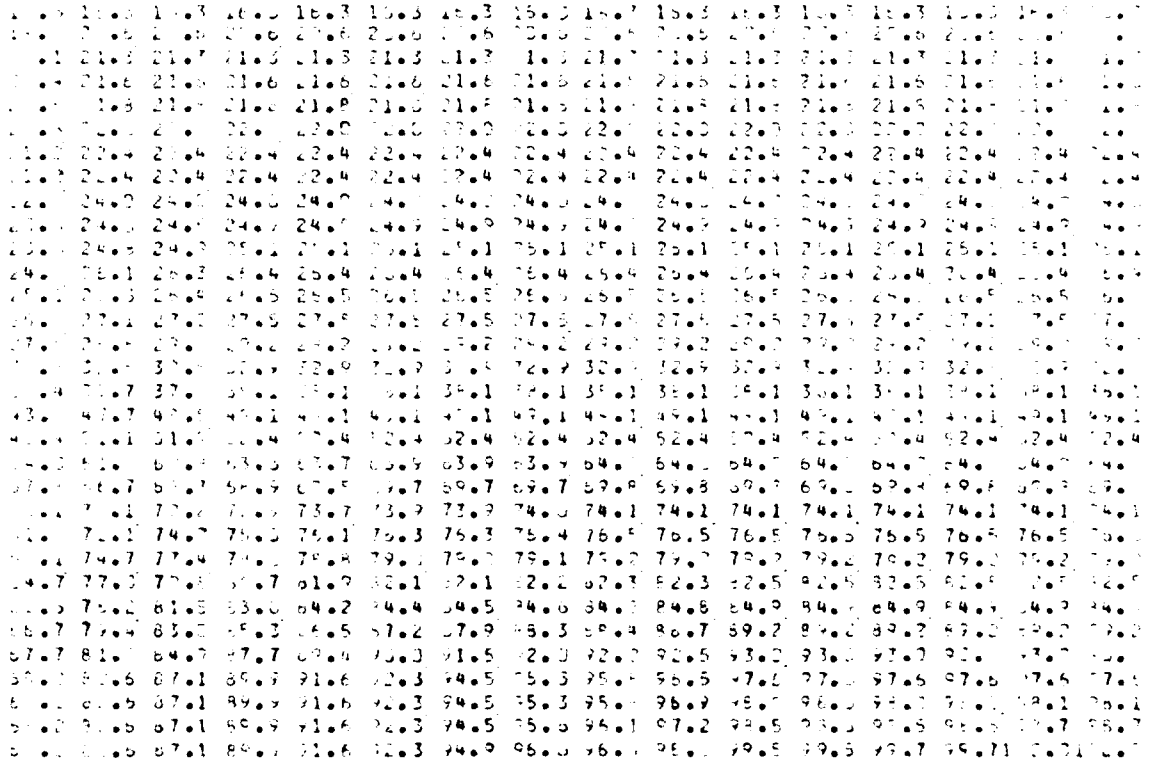
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# CEILING VERSUS VISIBILITY



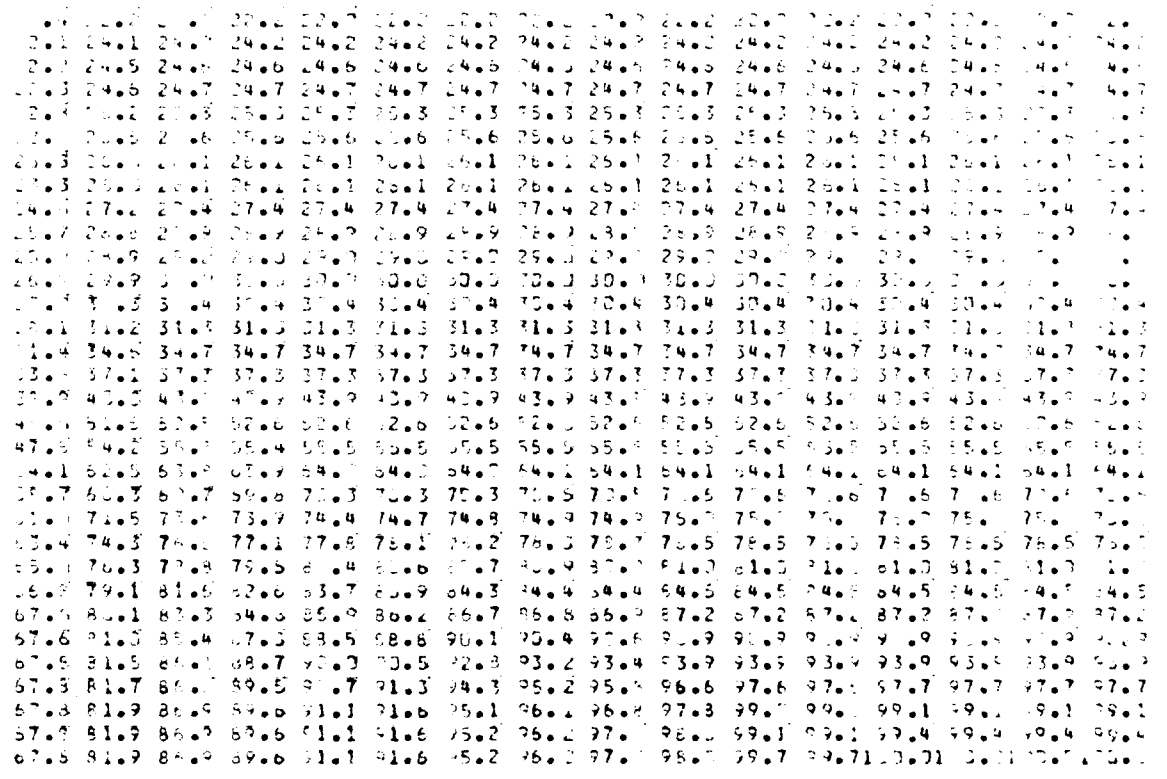
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# CEILING VERSUS VISIBILITY



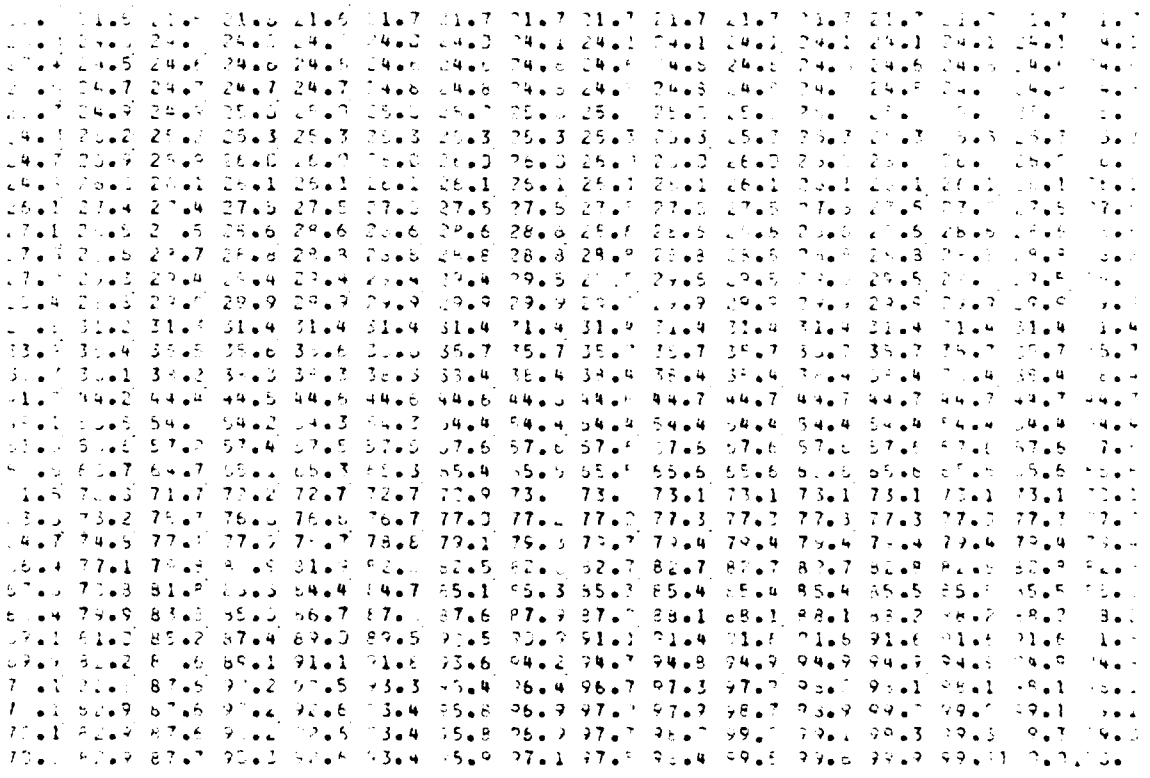
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# CEILING VERSUS VISIBILITY



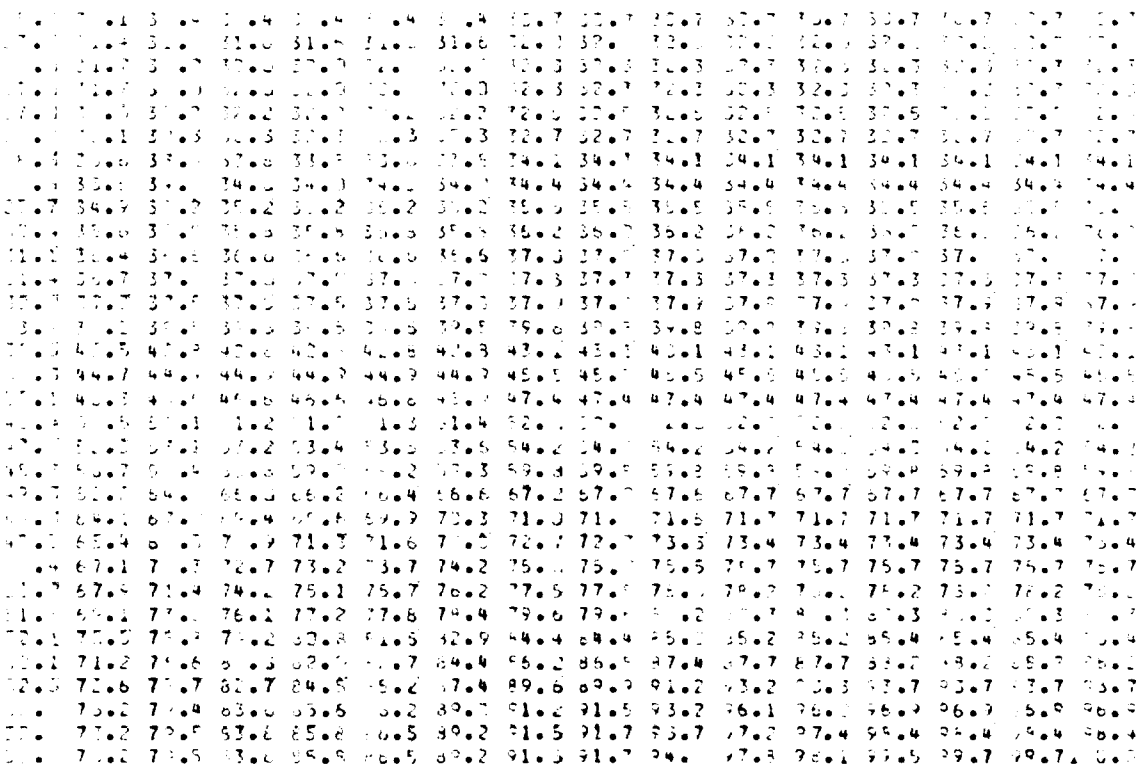
A NUMBER OF OBSERVATIONS 781

# CEILING VERSUS VISIBILITY



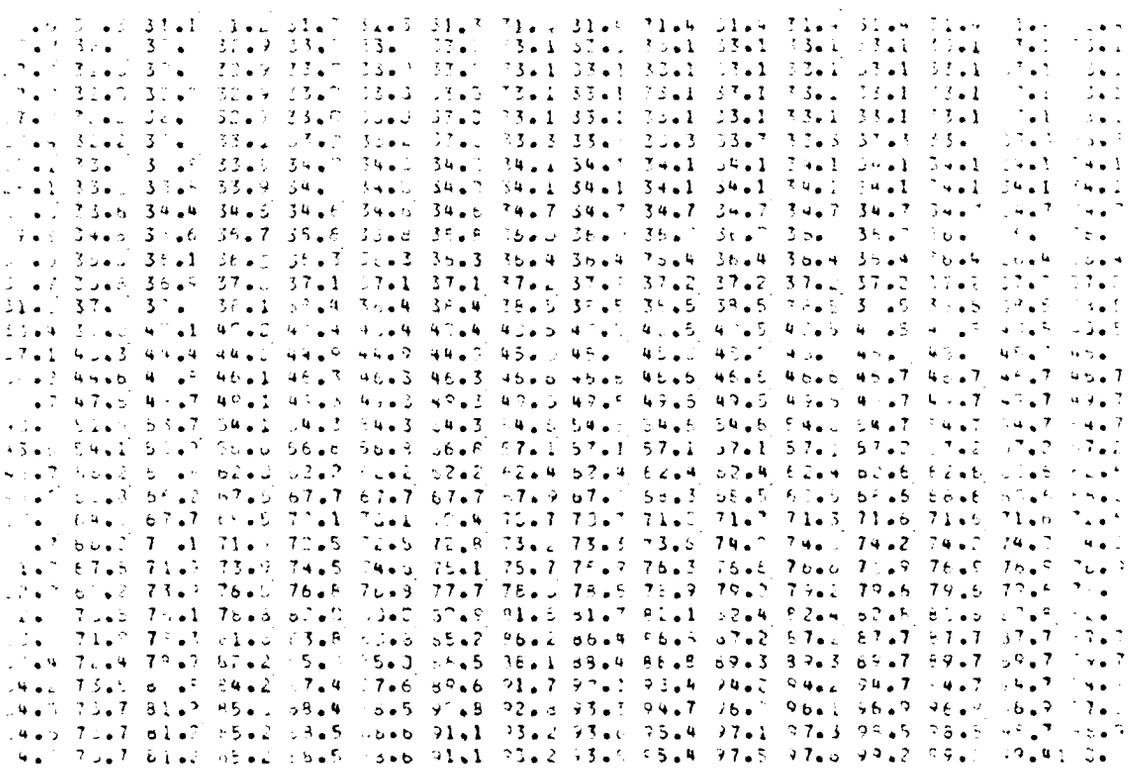
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# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

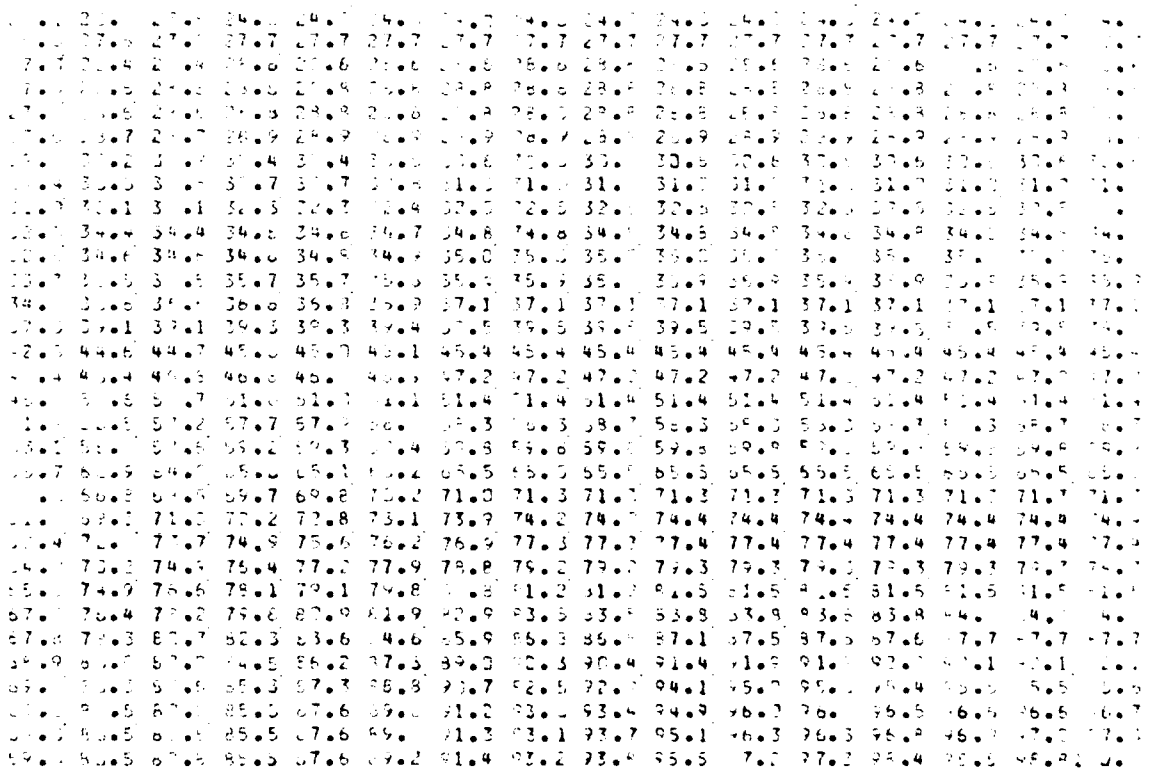


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# CEILING VERSUS VISIBILITY

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# CEILING VERSUS VISIBILITY

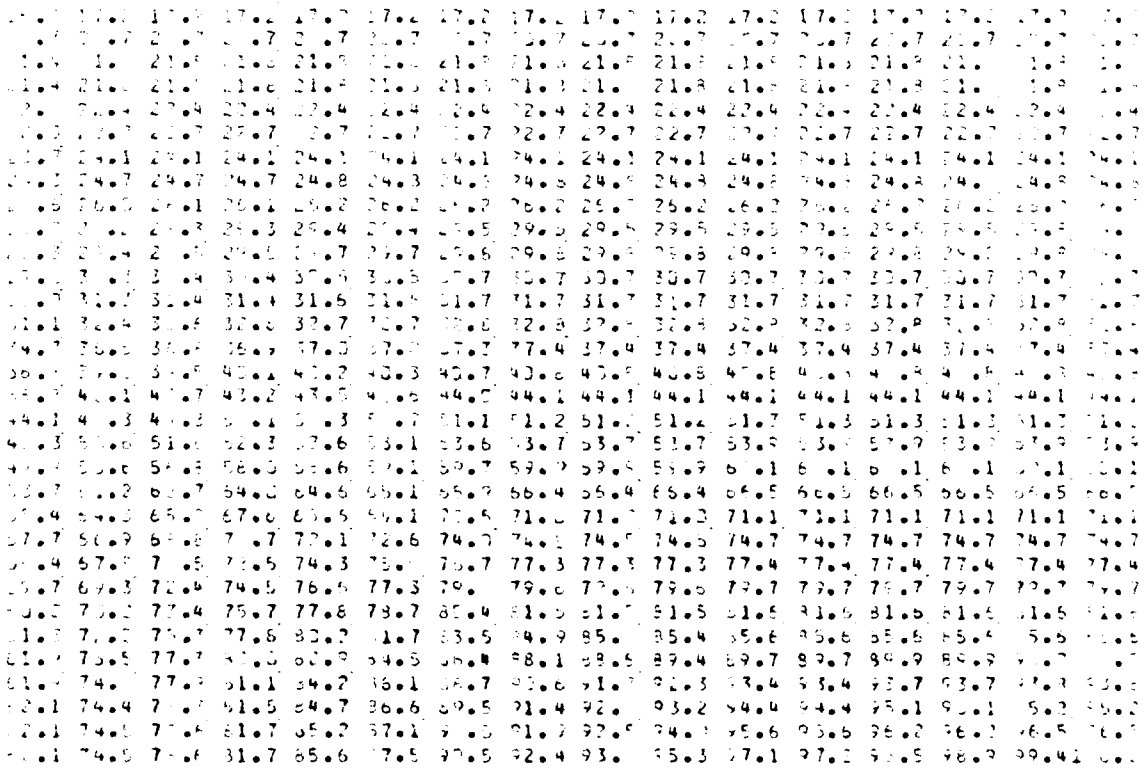


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# CEILING VERSUS VISIBILITY

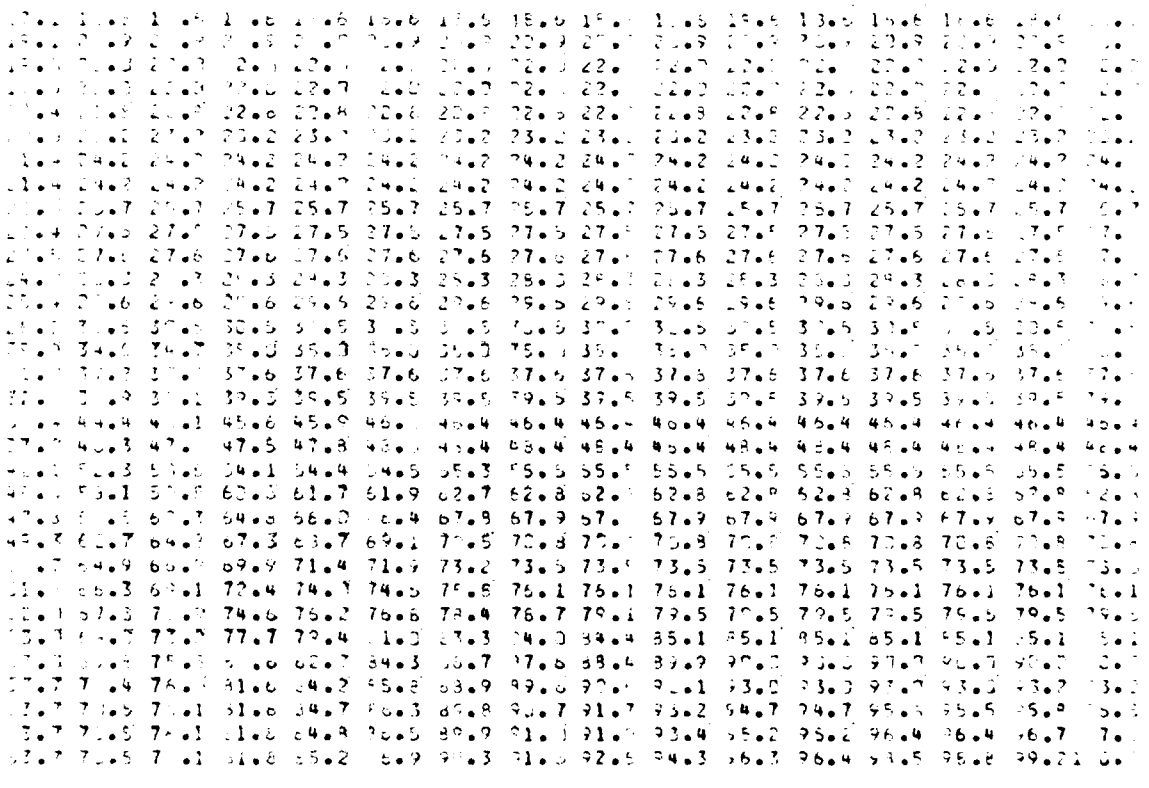
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# CEILING VERSUS VISIBILITY



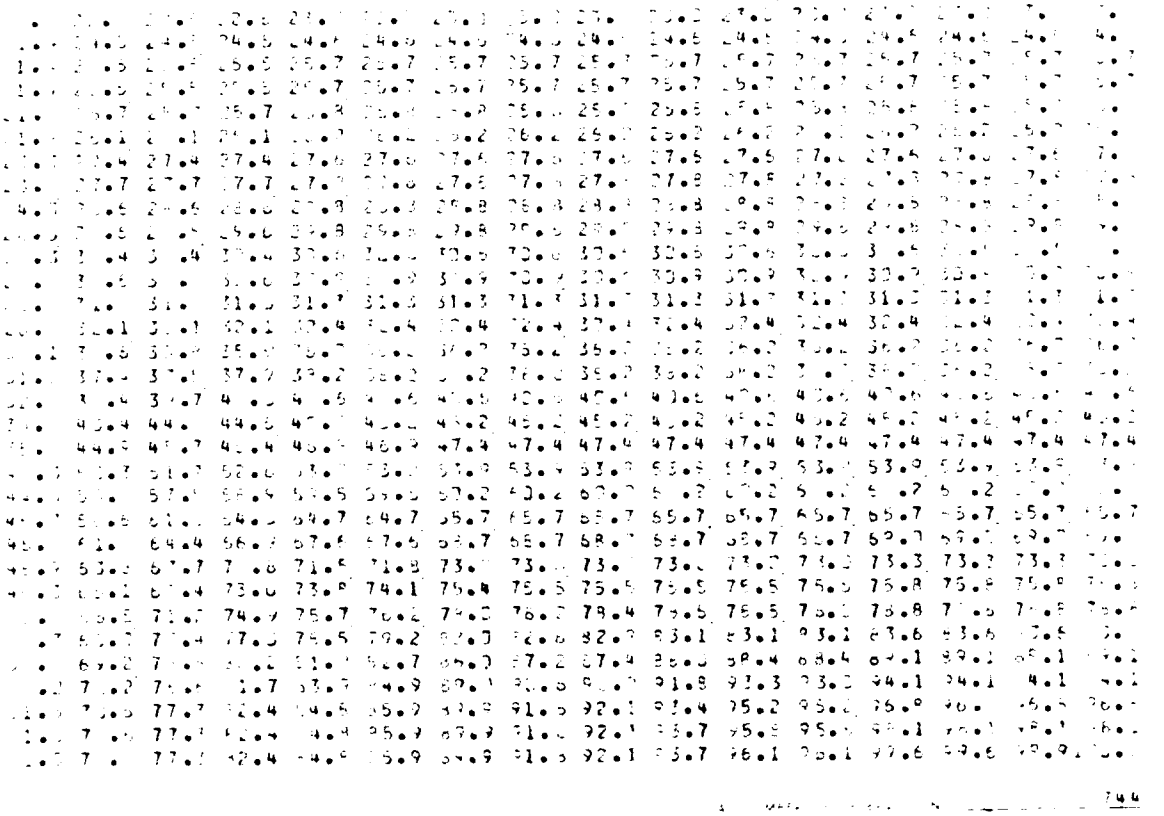
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# CEILING VERSUS VISIBILITY



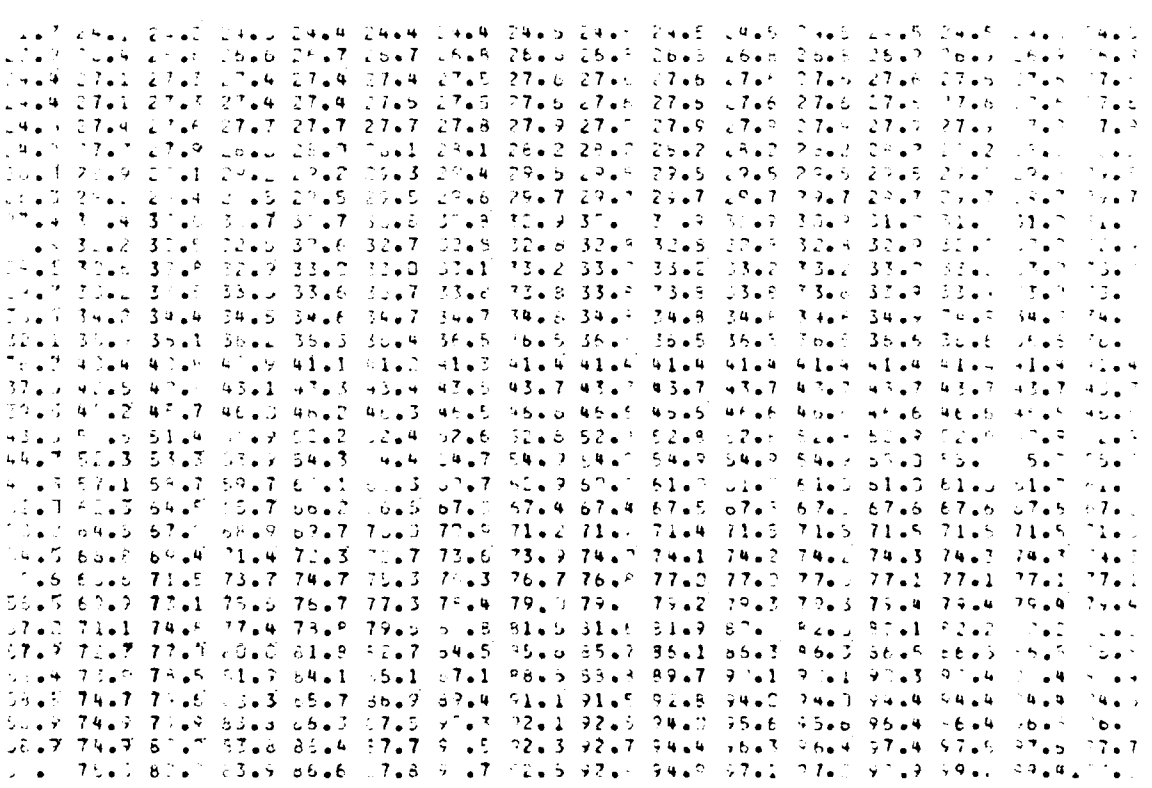
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# CEILING VERSUS VISIBILITY



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# CEILING VERSUS VISIBILITY



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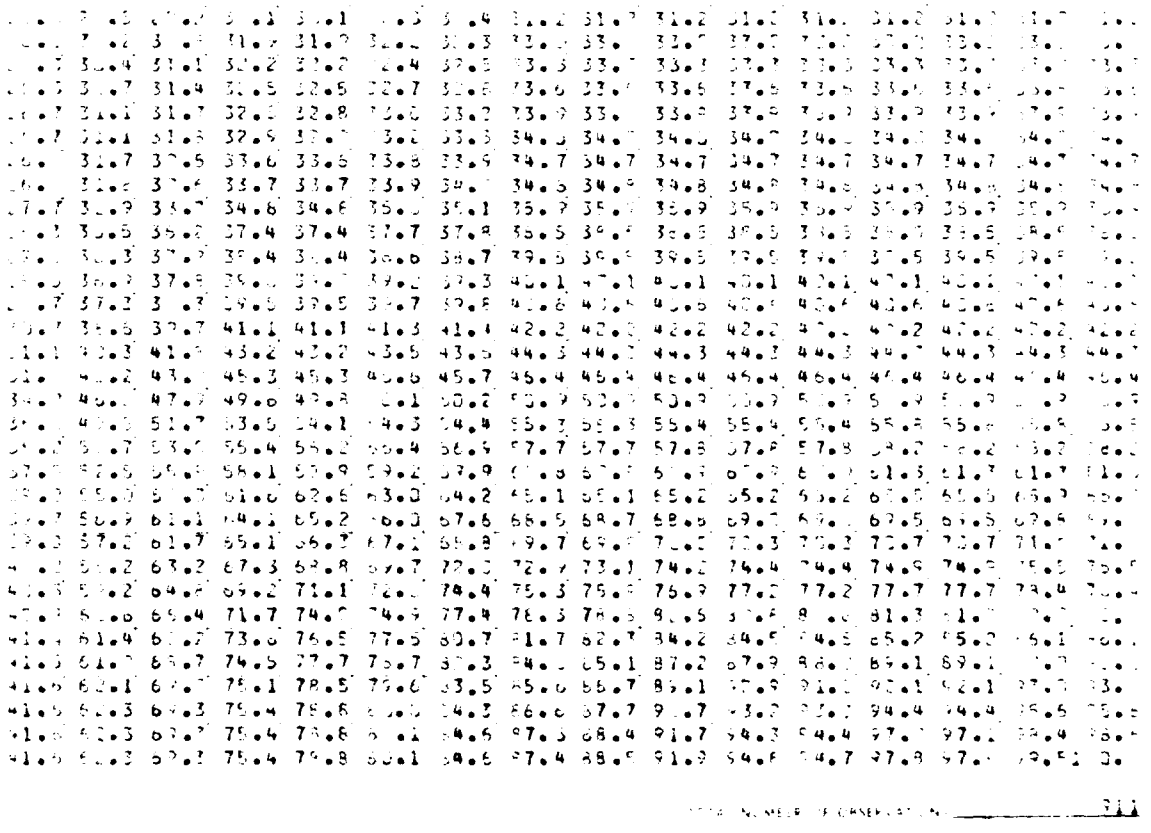
# CEILING VERSUS VISIBILITY

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# CEILING VERSUS VISIBILITY

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# CEILING VERSUS VISIBILITY



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# CEILING VERSUS VISIBILITY

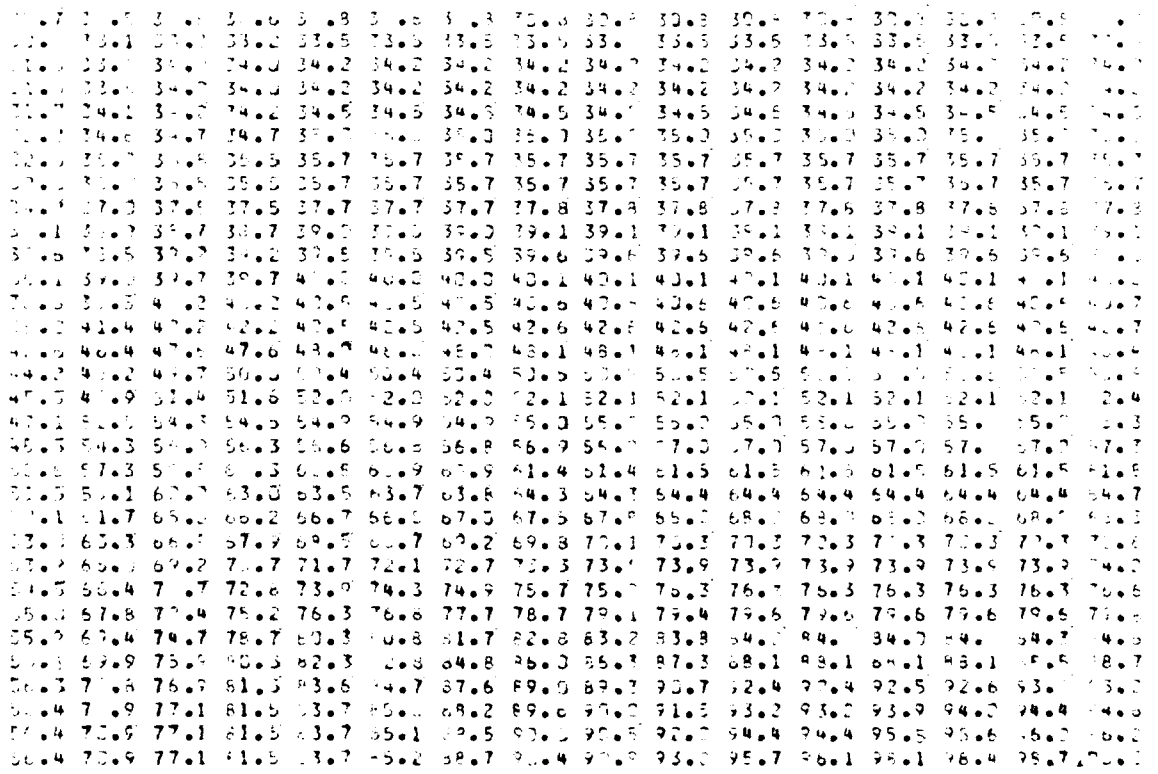
| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.4 | 28.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27. |
| 27.4 | 28.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29. |
| 27.4 | 28.4 | 29.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30. |
| 27.4 | 28.4 | 29.4 | 30.4 | 31.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30. |
| 27.4 | 28.4 | 29.4 | 30.4 | 31.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30. |
| 27.4 | 28.4 | 29.4 | 31.4 | 31.4 | 31.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 31.4 | 31.4 | 31.4 | 31. |
| 27.4 | 28.4 | 31.4 | 31.4 | 1.4 | 31.4 | 31.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32. |
| 27.4 | 28.4 | 31.4 | 31.4 | 31.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32. |
| 31.4 | 33.4 | 33.4 | 34.1 | 34.1 | 34.1 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.6 | 34.6 | 34. | |
| 32.2 | 34.4 | 34.6 | 35.2 | 35.2 | 35.2 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.7 | 35.7 | 35.7 | 35.7 | |
| 32.9 | 35. | 35.3 | 35.8 | 35.8 | 35.8 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.4 | 36.4 | 36.4 | 36.4 | |
| 33.2 | 35.8 | 36.1 | 36.6 | 36.6 | 36.6 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | |
| 34.7 | 36.4 | 36.6 | 37.1 | 37.1 | 37.1 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | |
| 36.1 | 36.4 | 37.6 | 39.3 | 39.3 | 39.3 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.8 | 39.8 | 39.8 | 39.8 | |
| 39.3 | 41.2 | 41.5 | 42.3 | 42.3 | 42.3 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | |
| 39.3 | 42.7 | 43.5 | 44.3 | 44.4 | 44.4 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 45.1 | 45. | 45.1 | 45.1 | |
| 42.7 | 43.4 | 43.1 | 47.6 | 48.1 | 48.3 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | |
| 45.3 | 5 .3 | 51.1 | 52.4 | 52.3 | 52.4 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 53.1 | 53.1 | 53.1 | 53.1 | |
| 45.1 | 51.4 | 51.1 | 53.4 | 53.4 | 53.5 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | |
| 49.6 | 56.2 | 57.6 | 59.3 | 59.6 | 59.8 | 6 .5 | 60.5 | 60.5 | 6 .5 | 6 .5 | 6 .5 | 6 .6 | 6 .6 | 6 .6 | 6 .6 | |
| 52.4 | 57.6 | 61.6 | 64.3 | 64.8 | 65.3 | 66.0 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | |
| 53.7 | 61.9 | 64.5 | 66.1 | 68.9 | 69.4 | 70.4 | 70.4 | 70.6 | 70.6 | 70.7 | 70.9 | 71.2 | 71. | 71.7 | 71. | |
| 55.4 | 62.6 | 65.5 | 69.2 | 7 .3 | 7 .9 | 71.9 | 72.2 | 72.4 | 72.4 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | |
| 54.2 | 64.1 | 67.5 | 71.5 | 73.9 | 73.5 | 75.0 | 75.3 | 75.7 | 76.1 | 76.3 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | |
| 54.5 | 65.7 | 69.3 | 73.6 | 75.2 | 75.9 | 77.5 | 78.2 | 78.6 | 79.3 | 79.6 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | |
| 55.1 | 66.9 | 71.7 | 75.7 | 77.4 | 78.1 | 79.8 | 80.5 | 81.0 | 81.9 | 82.2 | 82.3 | 82.4 | 82.4 | 82.5 | 82.5 | |
| 55.7 | 67.8 | 72.6 | 78.2 | 81.6 | 82.2 | 83.4 | 84.2 | 84.7 | 85.7 | 86.2 | 86.1 | 86.4 | 86.4 | 86.7 | 86. | |
| 55.6 | 68.6 | 73.5 | 79.1 | 81.8 | 82.4 | 85.7 | 87.3 | 87.7 | 89.2 | 90.0 | 90.1 | 90.4 | 90.4 | 90.7 | 90. | |
| 55.5 | 68.7 | 73.6 | 79.4 | 82.4 | 83.4 | 87.1 | 88.9 | 89.4 | 91.8 | 91.9 | 92.1 | 92.7 | 92.7 | 93.0 | 93.3 | |
| 55.5 | 68.7 | 73.6 | 79.4 | 82.5 | 83.5 | 87.2 | 89.2 | 89.9 | 91.4 | 93.0 | 93.2 | 94.1 | 94.1 | 94.4 | 94.6 | |
| 55.5 | 68.7 | 73.6 | 79.4 | 82.5 | 83.6 | 87.4 | 89.5 | 90.3 | 92.1 | 94. | 94.2 | 95.2 | 95.5 | 95.9 | 96.3 | |
| 55.7 | 68.9 | 73.8 | 79.6 | 82.9 | 84.0 | 88.0 | 90.7 | 91.6 | 94.3 | 96.6 | 96.8 | 98.4 | 98.9 | 99.5 | 99. | |

TOTAL NUMBER OF OBSERVATIONS 916

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# CEILING VERSUS VISIBILITY

# CEILING VERSUS VISIBILITY

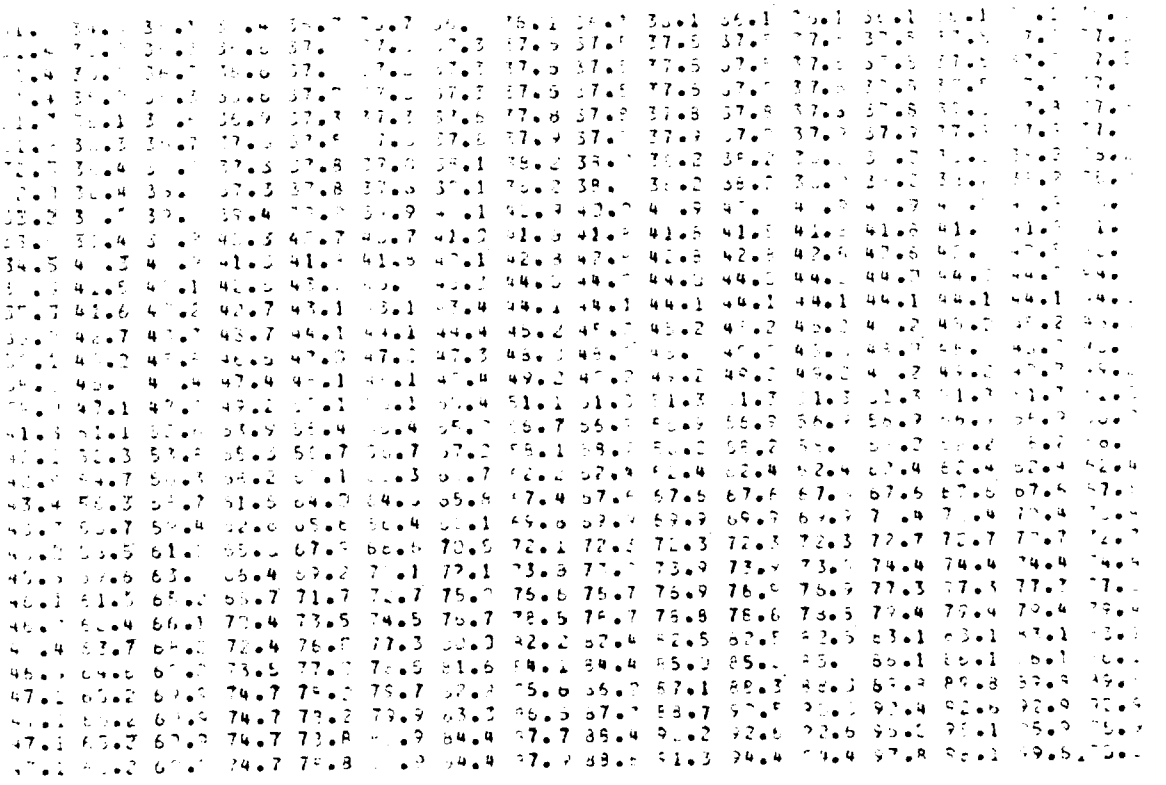


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# CEILING VERSUS VISIBILITY

2

# CEILING VERSUS VISIBILITY



2

# CEILING VERSUS VISIBILITY

2

[illegible] AFB AK 73-[illegible] ALL

ALL

# CEILING VERSUS VISIBILITY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 24.3 | [illegible] | 24.4 | 24.4 | 24.5 | 24.6 | [illegible] | 24.? | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | [illegible] | [illegible] |
| [illegible] | 25.1 | [illegible] | 26.5 | 26.6 | 26.6 | 26.8 | 26.8 | [illegible] | 26.9 | 26.9 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 27.1 | 27.2 | 27.2 | 27.3 | 27.4 | 27.4 | 27.4 | [illegible] | 27.5 | 27.5 | 27.5 | [illegible] | [illegible] |
| [illegible] | 26.7 | [illegible] | 27.2 | 27.3 | 27.3 | 27.4 | 27.5 | 27.5 | 27.5 | 27.6 | 27.6 | 27.6 | 27.6 | [illegible] | [illegible] |
| 26.1 | 26.9 | 27.1 | 27.3 | 27.4 | 27.5 | 27.6 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.8 | [illegible] | [illegible] | [illegible] |
| [illegible] | 27.4 | 27.6 | 27.8 | 27.9 | 28.0 | 28.1 | 28.2 | 28.? | 28.2 | [illegible] | 28.2 | 28.3 | [illegible] | [illegible] | [illegible] |
| [illegible] | 28.5 | [illegible] | 29.0 | 29.1 | 29.1 | 29.3 | 29.3 | 29.? | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | [illegible] | [illegible] |
| [illegible] | 28.8 | 29.1 | 29.4 | 29.5 | 29.5 | 29.6 | 29.7 | 29.7 | 29.7 | 29.8 | [illegible] | 29.8 | [illegible] | [illegible] | [illegible] |
| 27.4 | 30.5 | 30.? | 31.1 | 31.2 | 31.3 | 31.4 | 31.4 | 31.? | 31.5 | 31.? | [illegible] | 31.6 | 31.6 | [illegible] | [illegible] |
| [illegible] | 32.4 | 32.7 | 33.0 | 33.1 | 33.1 | 33.3 | 33.3 | 33.? | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | [illegible] | [illegible] |
| [illegible] | 33.2 | 33.3 | 33.6 | 33.7 | 33.8 | 33.9 | 34.0 | 34.? | 34.? | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | [illegible] |
| [illegible] | 34.1 | 34.3 | 34.6 | 34.? | 34.9 | 35.1 | 35.2 | 35.? | 35.2 | 35.? | [illegible] | 35.3 | 35.3 | [illegible] | [illegible] |
| [illegible] | 34.7 | 35.1 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.? | 35.8 | 35.9 | [illegible] | 35.? | 35.9 | [illegible] | [illegible] |
| [illegible] | 36.6 | 37. | 37.? | 37.5 | 37.6 | 37.7 | 37.7 | 37.? | 37.? | 37.8 | 37.8 | 37.9 | 37.9 | [illegible] | [illegible] |
| [illegible] | 40.? | 41.4 | 41.6 | 41.? | 42.? | 42.2 | 42.3 | 42.? | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | [illegible] |
| [illegible] | 43.3 | 43.? | 44.4 | 44.5 | 44.6 | 44.8 | 44.9 | 44.? | 45.? | 45. | [illegible] | 45.1 | 45.1 | [illegible] | 45.1 |
| [illegible] | 46.? | 47.2 | 47.6 | 48.? | [illegible] | [illegible] | 49.4 | 49.4 | 49.5 | 49.5 | [illegible] | 49.6 | 49.6 | [illegible] | [illegible] |
| [illegible] | 50.7 | 51.6 | 52.3 | [illegible] | 52.8 | 53.1 | 53.2 | 53.? | 53.3 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 |
| [illegible] | 52. | 53.? | 53.? | 54.1 | 54.2 | 54.6 | 54.7 | 54.7 | 54.8 | 54.8 | 54.? | 54.9 | 54.9 | 54.9 | 54.? |
| [illegible] | 56.3 | 57.7 | 58.7 | 59.3 | [illegible] | 59.9 | [illegible] | [illegible] | 60.2 | 60.2 | [illegible] | 60.3 | 60.3 | 60.4 | 60.4 |
| [illegible] | 60.1 | 61.9 | 63.1 | 63.7 | 63.9 | 64.5 | 64.7 | 64.7 | 64.9 | 64.9 | [illegible] | 65.? | 65. | 65.1 | 65.1 |
| [illegible] | [illegible] | 64.? | 66.? | 67.1 | 67.4 | 68.1 | 68.4 | 68.5 | 68.7 | 68.8 | 68.? | 68.8 | [illegible] | 68.9 | [illegible] |
| [illegible] | 64.3 | 66.? | 68.? | 69.2 | [illegible] | 70.3 | 70.7 | 70.7 | 70.9 | 71.0 | 71.? | 71.1 | 71.1 | 71.2 | 71.2 |
| [illegible] | 66.4 | [illegible] | [illegible] | 72.1 | [illegible] | 73.4 | 73.8 | 73.9 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 |
| [illegible] | 67.7 | [illegible] | 72.6 | 74.1 | 74.6 | 75.7 | 76.1 | 76.? | 76.5 | 76.6 | 76.6 | 76.7 | 76.7 | 76.? | [illegible] |
| [illegible] | 69.3 | [illegible] | 75.? | 75.8 | 77.4 | 78.6 | 79.2 | 79.3 | 79.7 | 79.8 | 79.? | 79.9 | [illegible] | [illegible] | [illegible] |
| [illegible] | 71.? | 75.1 | 78.4 | 80.4 | 81.1 | 82.9 | 83.7 | 83.9 | 84.5 | 84.7 | 84.7 | 84.? | 84.? | [illegible] | [illegible] |
| [illegible] | 72.? | [illegible] | 80.6 | 83.1 | [illegible] | 86.4 | 87.5 | 87.8 | 88.5 | 88.9 | 89.? | 89.1 | 89.2 | 89.3 | [illegible] |
| [illegible] | 73.6 | [illegible] | 81.9 | 84.9 | [illegible] | 88.9 | 90.4 | 90.7 | 91.8 | 92.? | [illegible] | 93.4 | 93.4 | 93.6 | [illegible] |
| [illegible] | 73.9 | [illegible] | 82.4 | 85.3 | 86.6 | 89.8 | 91.5 | 91.9 | 93.2 | 94.6 | 94.7 | 95.4 | 95.5 | 95.7 | [illegible] |
| [illegible] | 74.? | 79.4 | 82.5 | 85.5 | 86.5 | 90.1 | 91.9 | 92.3 | 93.6 | 95.5 | [illegible] | 96.5 | 96.6 | 97.? | [illegible] |
| [illegible] | 74.1 | 79.5 | 82.7 | 85.8 | 87.1 | 90.6 | 92.5 | 93. | 94.7 | 96.7 | [illegible] | 98.3 | 98.5 | 99.1 | [illegible] |

TOTAL NUMBER OF OBSERVATIONS 7[illegible]749

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

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

# SKY COVER

[illegible] STATION [illegible] STATION NAME [illegible] FEET [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | [illegible] | | | [illegible] | | | [illegible] | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
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| TOTALS | | [illegible] | | | [illegible] | | | • | | | [illegible] | [illegible] | [illegible] | [illegible] |

# SKY COVER

STATION _____ STATION NAME _____ PERIOD _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
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| TOTALS | | | | | | | | | | | | | | |

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# SKY COVER

[illegible] CAPE [illegible] AFB AK [illegible]
STATION STATION NAME PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
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| TOTALS | | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |

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

# SKY COVER

[illegible] CAM RANH BAY AB [illegible] 57-61 [illegible]
STATION STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | [illegible].7 | | | [illegible] | | | | | | [illegible].6 | [illegible].4 | [illegible].3 | [illegible] |
| | [illegible] | 5.7 | | | [illegible].9 | | | | | | [illegible].1 | 55.3 | [illegible] | [illegible] |
| | [illegible] | 2.4 | | | [illegible].3 | | | | | | [illegible].1 | [illegible].7 | [illegible].4 | [illegible] |
| | [illegible] | [illegible].7 | | | [illegible].5 | | | | | | [illegible].7 | [illegible].1 | [illegible].4 | [illegible] |
| | [illegible] | 2.3 | | | [illegible].2 | | | | | | [illegible].7 | [illegible].3 | [illegible].4 | [illegible] |
| | [illegible] | [illegible].6 | | | [illegible].9 | | | | | | [illegible].6 | [illegible].2 | [illegible].3 | [illegible] |
| | [illegible] | [illegible].7 | | | [illegible].3 | | | | | | [illegible].2 | [illegible].4 | [illegible].4 | [illegible] |
| | [illegible] | [illegible].7 | | | [illegible].3 | | | | | | [illegible].9 | [illegible].4 | [illegible].2 | [illegible] |
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| | | | | | | | | | | | | | | |
| TOTALS | | [illegible].4 | | | [illegible].3 | | | | | | [illegible].5 | [illegible].3 | [illegible].3 | [illegible] |

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible]

# SKY COVER

STATION [illegible] STATION NAME [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | 40.1 | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | 30.5 | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
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| | | | | | | | | | | | | | | |
| TOTALS | | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] ELMENDORF AIR FORCE BASE
[illegible] AFB, ALASKA

# SKY COVER

[illegible] | CAMP ELMENDORF AFB AK | 73-91 | [illegible]
STATION | STATION NAME | PERIOD | YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | 2.2 | | | 12.4 | | | | | | 21.1 | 52.[illegible] | [illegible].7 | [illegible] |
| | [illegible] | .3 | | | 4.3 | | | | | | 12. | 33.4 | [illegible].7 | [illegible] |
| | [illegible] | .6 | | | 7.7 | | | | | | 23.1 | 55.6 | [illegible]. | [illegible] |
| | [illegible] | .9 | | | 9.6 | | | | | | 22.3 | 57.4 | [illegible].7 | [illegible] |
| | 12-14 | .9 | | | 13.1 | | | | | | 25.[illegible] | 51. | [illegible].7 | [illegible] |
| | [illegible] | 1.4 | | | 14.1 | | | | | | 27.1 | 57.5 | [illegible].6 | [illegible] |
| | [illegible] | .2 | | | 17.7 | | | | | | 24.6 | 57.9 | [illegible].9 | [illegible] |
| | 21-23 | .1 | | | 11. | | | | | | 24.1 | 64. | [illegible].9 | [illegible] |
| | | | | | | | | | | | | | | |
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| TOTALS | | .9 | | | 1 .9 | | | | | | 27.9 | 53.1 | [illegible].8 | [illegible] |

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# SKY COVER

[illegible] CAPE HENRY AFS VA 77-80 [illegible]
STATION STATION NAME PERIOD YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | 1.2 | | | 11.4 | | | | | | 17.7 | 59.7 | [illegible] | [illegible] |
| | [illegible] | .1 | | | 1[illegible].5 | | | | | | 17.4 | 7[illegible] | [illegible] | [illegible] |
| | [illegible] | .[illegible] | | | [illegible].6 | | | | | | 17.7 | 71.[illegible] | [illegible] | [illegible] |
| | [illegible]-11 | 1.7 | | | [illegible].9 | | | | | | 12.1 | 67.[illegible] | [illegible] | [illegible] |
| | 12-14 | 1.3 | | | 17.2 | | | | | | 16.2 | 59.3 | [illegible] | [illegible] |
| | 15-17 | 1.3 | | | 17.3 | | | | | | 17.9 | 65.6 | [illegible] | [illegible] |
| | [illegible]-20 | 1.[illegible] | | | [illegible].4 | | | | | | 11.7 | 63.[illegible] | [illegible] | [illegible] |
| | 21-23 | .7 | | | 13.[illegible] | | | | | | 15.5 | 66.2 | [illegible] | [illegible] |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| TOTALS | | .[illegible] | | | 1[illegible].2 | | | | | | 1.3 | 65.3 | [illegible] | [illegible] |

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L SAT CLIMATOLOGY BRANCH
...FETAC
... WEATHER SERVICE/ MAC

# SKY COVER

... CAPE NEWENHAM AFS, AK — 73-8...

STATION — STATION NAME — PERIOD — YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| ... | ...-... | 4.5 | | | 13.0 | | | | | | 14.5 | 68.1 | 8.4 | 5... |
| | ...-... | 3.1 | | | 12.4 | | | | | | ...1 | 74.4 | 8.5 | 31... |
| | ...-... | 1.9 | | | 7.3 | | | | | | 13.7 | 77.4 | 8.7 | 31... |
| | ...-11 | 1.4 | | | 5.9 | | | | | | 12.1 | 79.4 | 8.7 | 31... |
| | 11-14 | .7 | | | 11.5 | | | | | | 14.3 | 73.4 | 8.9 | 31... |
| | 14-17 | .8 | | | 11.9 | | | | | | 9.7 | 77.7 | 8.8 | 37... |
| | ...-... | 1.7 | | | 11.5 | | | | | | 7.2 | 79.4 | 8.9 | 7... |
| | ...-23 | .9 | | | 12.6 | | | | | | 11.1 | 72.4 | 8.7 | 33... |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 2 | | | 10.9 | | | | | | 11.3 | 74.2 | 8.8 | 7... |

USAFETAC FORM JUL 66 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
USAFETAC
[illegible] WEATHER GROUP [illegible] AFRC

# SKY COVER

[illegible] [illegible] [illegible] [illegible]
STATION STATION NAME PERIOD

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 | | |
| [illegible] | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |

USAF CLIMATOLOGY BRANCH
USTAC
WEATHER [illegible] / AC

# SKY COVER

STATION _____ STATION NAME _____ YEARS _____ LAT _____ LONG _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | .1 | | | 21.2 | | | | | | 23.5 | 4[illegible].2 | [illegible].7 | |
| | [illegible] | 6.7 | | | [illegible].9 | | | | | | 23.3 | 3[illegible].1 | [illegible].7 | [illegible] |
| | [illegible] | 7.5 | | | 14.6 | | | | | | 7.8 | 35.[illegible] | [illegible].4 | [illegible] |
| | [illegible]-11 | 3.4 | | | [illegible].7 | | | | | | 33.5 | 3[illegible].4 | [illegible].7 | [illegible] |
| | 12-14 | 3.5 | | | 1[illegible].3 | | | | | | 32.7 | 37.5 | [illegible].[illegible] | [illegible] |
| | 15-17 | [illegible].5 | | | 11.[illegible] | | | | | | 36.5 | 4[illegible].4 | [illegible].[illegible] | [illegible] |
| | [illegible]-20 | 3.6 | | | [illegible].1 | | | | | | 34.4 | 37.[illegible] | [illegible].5 | 74.[illegible] |
| | 21-23 | 4.1 | | | 15.7 | | | | | | 27.2 | 3[illegible].[illegible] | [illegible].2 | 79.[illegible] |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | [illegible].7 | | | 14.[illegible] | | | | | | 29.9 | 31.[illegible] | [illegible].3 | [illegible]79 |

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

# SKY COVER

STATION | STATION NAME | PERIOD | YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NUMBER OF OBSERVATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| [illegible] | [illegible] | .4 | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | .6 | | | [illegible] | | | | | | [illegible] | [illegible] | [illegible] | [illegible] |

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

# SKY COVER

... | CAPE ...ENHAM AFS AP | 7?-6?
STATION | STATION NAME | PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS AT HOURS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| ... C | ...-... | 1...4 | | | 13.9 | | | | | | ...4 | ...4 | 7.5 | |
| | ...-... | 13.1 | | | 14.7 | | | | | | 16.6 | 15.9 | 7.3 | |
| | ...-... | 11.6 | | | 17.7 | | | | | | ...5 | ...- | 7.5 | |
| | ...-... | .1 | | | 15.5 | | | | | | 25.9 | 31.5 | 7.5 | 1 |
| | 14-14 | 7.1 | | | 17.3 | | | | | | 25.8 | 49.- | 7.9 | 1 |
| | 15-17 | 7.9 | | | 17.9 | | | | | | 24.4 | 4...5 | 7.7 | 75 |
| | ...-... | 12.7 | | | 17.4 | | | | | | ...2 | 31. | 7.7 | 85 |
| | 21-23 | 17.5 | | | 15.6 | | | | | | 15.3 | ...5 | 7. | 67 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | ...9 | | | 15.1 | | | | | | ...2 | ...7 | 7.5 | 6... |

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.. WEATHER SERVICE/MAC

# SKY COVER

| STATION | STATION NAME | PERIOD | YEARS |
|---|---|---|---|
| [illegible] | CAPE [illegible]ENHAM AFB MA | 72-8[illegible] | 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 NUMBER OF OBSERVATIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 1 .[illegible] | | | 1[illegible].[illegible] | | | | | | [illegible].[illegible] | [illegible].1 | [illegible].[illegible] | 667 |
| FEB | | [illegible].1 | | | [illegible].[illegible] | | | | | | [illegible].[illegible] | [illegible].[illegible] | .[illegible] | [illegible] |
| MAR | | [illegible].[illegible] | | | 17.[illegible] | | | | | | 33.[illegible] | [illegible].4 | [illegible].[illegible] | [illegible] |
| APR | | 3.[illegible] | | | 1[illegible].[illegible] | | | | | | 33.[illegible] | 36.3 | [illegible].3 | [illegible] |
| MAY | | .1 | | | 1[illegible].4 | | | | | | 47.[illegible] | [illegible].[illegible] | [illegible].1 | 61[illegible] |
| JUN | | .[illegible] | | | [illegible].[illegible] | | | | | | 33.[illegible] | 47.1 | [illegible].[illegible] | [illegible] |
| JUL | | .[illegible] | | | 1 .[illegible] | | | | | | 1[illegible].3 | [illegible].[illegible] | [illegible].[illegible] | [illegible] |
| AUG | | .[illegible] | | | 1 .[illegible] | | | | | | 33.[illegible] | [illegible].[illegible] | [illegible].[illegible] | [illegible] |
| SEP | | [illegible].[illegible] | | | [illegible].1[illegible] | | | | | | [illegible].[illegible] | [illegible].1 | [illegible].[illegible] | [illegible] |
| OCT | | [illegible].7 | | | [illegible].[illegible] | | | | | | [illegible].[illegible] | 31.6 | [illegible].3 | [illegible] |
| NOV | | [illegible].6 | | | 1[illegible].[illegible] | | | | | | [illegible].[illegible] | [illegible]. | [illegible].1 | 66[illegible] |
| DEC | | [illegible].1[illegible] | | | 1[illegible].1 | | | | | | [illegible].2 | [illegible]. | [illegible].[illegible] | [illegible] |
| TOTALS | | [illegible].[illegible] | | | 1[illegible].4 | | | | | | [illegible].[illegible]3 | [illegible].5 | [illegible].1 | 7[illegible]24 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

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

Continued on Reverse

E

3. [illegible] 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 ($\Sigma X^2$), sums of values ($\Sigma X$), means ($\bar{X}$), and standard deviations ($\sigma x$). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and Annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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A... WEATHER SERVICE/MAC
7... ...F CAPE NEWENHAM AFS AK 53-60
STATION NAME YEARS

# DAILY TEMPERATURES

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 |
| 7 | | | | | | | .7 | .2 | | | | | .4 |
| 65 | | | | | .1 | .7 | 3.4 | 1.1 | .2 | | | | .4 |
| 6 | | | | | .5 | 3.6 | 13.6 | 7.6 | 1.4 | | | | 2.3 |
| 55 | | | | | 3.5 | 13.7 | 34.7 | 39.2 | 6.8 | | | | 9.0 |
| 5 | .1 | .2 | | | 12.5 | 38.7 | 70.4 | 86.6 | 44.0 | 1.9 | .4 | .1 | 21.4 |
| 45 | .8 | .5 | .1 | 1.5 | 30.7 | 73.7 | 98.7 | 99.8 | 89.6 | 18.6 | 1.4 | .5 | 43.7 |
| 4 | 2.2 | 1.1 | 3.7 | 13.6 | 57.7 | 94.7 | 100.0 | 100.0 | 97.7 | 50.6 | 17.5 | 4.9 | 61.4 |
| 35 | 31.3 | 22.6 | 23.1 | 4 .8 | 85.2 | 100.0 | | | 100.0 | 78.7 | 45.6 | 25.5 | 69.5 |
| 3 | 53.3 | 41.1 | 50.3 | 71.4 | 97.4 | | | | | 91.3 | 85.5 | 45.7 | 78.5 |
| 25 | 63.6 | 51.5 | 62.8 | 85.1 | 99.5 | | | | | 97.5 | 91.2 | 58.8 | 83.2 |
| 2 | 70.4 | 61.1 | 72.1 | 91.1 | 100.0 | | | | | 99.2 | 97.8 | 66.1 | 87.7 |
| 15 | 75.9 | 69.2 | 79.9 | 96.5 | | | | | | 100.0 | 98.4 | 75.7 | 91.5 |
| 1 | 81.3 | 77.1 | 87.9 | 99.0 | | | | | | | 99.0 | 83.5 | 93.5 |
| .5 | 85.6 | 83.4 | 93.2 | 99.7 | | | | | | | 99.7 | 89.7 | 95.7 |
| 0 | 91.0 | 90.2 | 96.4 | 100.0 | | | | | | | 99.9 | 94.6 | 97.7 |
| -5 | 95.7 | 96.1 | 97.8 | | | | | | | | 100.0 | 98.5 | 99.1 |
| -10 | 98.9 | 98.9 | 99.6 | | | | | | | | | 99.5 | 99.7 |
| -15 | 100.0 | 100.0 | 100.0 | | | | | | | | | 100.0 | 100.0 |
| MEAN | 24.1 | 21.0 | 25.3 | 31.7 | 41.4 | 49.2 | 53.3 | 53.0 | 49.0 | 36.7 | 31.0 | 24.1 | 37. |
| S.D. | 14.57 | 14.48 | 11.96 | 7.88 | 6.82 | 5.76 | 5.55 | 4.99 | 4.22 | 8.38 | 9.69 | 10.83 | 14.77 |
| TOTAL OBS | 725 | 643 | 723 | 720 | 775 | 775 | 775 | 465 | 662 | 727 | 775 | 775 | 5,985 |

USAFETAC FORM 0-7 0215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# DAILY TEMPERATURES

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
[illegible] CAPE NEWENHAM AFS AK 53-[illegible]
STATION NAME 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | | | | | | | .1 | | | | | | |
| [illegible] | | | | | | .3 | 1.6 | .5 | | | | | |
| [illegible] | | | | | .3 | 1.3 | 14.5 | 25.1 | 6.1 | .2 | | | |
| [illegible] | | | | | 1.3 | 17.7 | 59.[illegible] | 83.8 | 47.6 | 2.5 | | | |
| [illegible] | .8 | .2 | | .1 | 12.5 | 64.3 | 97.1 | 99.8 | 81.2 | 15.6 | 1.9 | | |
| [illegible] | 6.4 | 2.5 | 1.4 | 6.3 | 43.6 | 91.7 | 100.0 | 100.0 | 96.5 | 43.1 | 14.5 | 3.4 | |
| [illegible] | 12.3 | 7.2 | 5.[illegible] | 12.8 | 59.7 | 96.5 | | | 98.4 | 55.3 | 23.9 | 7.7 | |
| [illegible] | 23.[illegible] | 16.5 | 18.1 | 29.3 | 81.7 | 99.9 | | | 99.4 | 71.1 | 38.5 | 17.6 | |
| [illegible] | 41.4 | 30.[illegible] | 36.1 | 53.5 | 96.6 | 100.0 | | | 100.0 | 87.9 | 55.6 | 32.7 | |
| [illegible] | 5[illegible].7 | 38.7 | 48.1 | 69.3 | 98.9 | | | | | 96.[illegible] | 71.8 | 43.1 | |
| [illegible] | 58.4 | 47.1 | 57.8 | 8[illegible].6 | 100.0 | | | | | 98.6 | 82.[illegible] | 53.7 | |
| [illegible] | 66.[illegible] | 57.4 | 67.[illegible] | 9[illegible].6 | | | | | | 99.8 | 88.9 | 67.4 | |
| [illegible] | 75.2 | 65.6 | 76.9 | 96.9 | | | | | | 100.0 | 95.[illegible] | 73.6 | |
| [illegible] | 78.4 | 72.2 | 85.7 | 98.9 | | | | | | | 98.5 | 83.[illegible] | |
| [illegible] | 85.6 | 83.[illegible] | 92.7 | 99.9 | | | | | | | 99.[illegible] | 90.1 | |
| [illegible] | 93.2 | 92.2 | 95.5 | 100.0 | | | | | | | 100.0 | 97.1 | |
| [illegible] | 97.9 | 96.7 | 98.6 | | | | | | | | | 98.9 | |
| [illegible] | 99.7 | 99.7 | 99.9 | | | | | | | | | 100.0 | |
| [illegible] | 100.0 | 100.0 | 100.0 | | | | | | | | | | |
| MEAN | 15.7 | 12.[illegible] | 15.[illegible] | 23.2 | 35.[illegible] | [illegible].3 | 45.6 | 47.5 | 43.2 | 32.8 | 24.3 | 18.[illegible] | |
| [illegible] | 15.7[illegible] | 15.[illegible] | 13.467 | [illegible].[illegible]37 | 5.173 | 4.250 | 3.692 | 3.[illegible]27 | 4.351 | 6.895 | [illegible].241 | 13.[illegible]3 | |
| TOTAL OBS | 723 | 643 | 729 | 720 | 744 | 733 | 731 | 665 | 692 | 6[illegible]3 | 71[illegible] | 75[illegible] | |

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# DAILY TEMPERATURES

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
[illegible] CAPE NEVENHAM AFB AK 53-57
STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | | | | | | | .4 | | | | | | . |
| [illegible] | | | | | .1 | .1 | 2.1 | .3 | .2 | | | | .[illegible] |
| [illegible] | | | | | .3 | 2.3 | 14.0 | 10.6 | 2.3 | | | | .[illegible] |
| [illegible] | | | | | 2.6 | 14.3 | 46.[illegible] | 63.3 | 27.2 | | | | 11.[illegible] |
| 40 | .3 | .2 | | | 11.6 | 50.8 | 91.7 | 98.5 | 71.6 | 7.5 | | | 2[illegible].[illegible] |
| 4 | 2.6 | 1.4 | .5 | 2.9 | 38.2 | 85.2 | 1[illegible].0 | 100.0 | 95.[illegible] | 31.1 | 7.1 | .6 | 37.7 |
| 3[illegible] | 10.2 | 9.5 | 8.9 | 19.4 | 71.3 | 98.6 | | | 99.2 | 62.7 | 29.3 | 10.[illegible] | 51.[illegible] |
| 2 | 3[illegible].6 | 27.5 | 33.3 | 50.7 | 94.2 | 100.0 | | | 1[illegible].0 | 93.9 | 51.[illegible] | 26.3 | 67.[illegible] |
| 2[illegible] | 52.1 | 39.6 | 48.6 | 7[illegible].3 | 98.4 | | | | | 95.2 | 7[illegible].7 | 44.[illegible] | 7[illegible].[illegible] |
| 20 | 5[illegible].6 | 43.8 | 60.6 | 82.8 | 1[illegible].0 | | | | | 98.2 | 82.5 | 56.4 | 7[illegible].[illegible] |
| 10 | 69.0 | 57.7 | 70.2 | 91.7 | | | | | | 99.7 | 9[illegible].6 | 66.7 | 8[illegible].[illegible] |
| 1 | 75.[illegible] | 6[illegible].[illegible] | 78.7 | 96.9 | | | | | | 1[illegible].0 | 94.2 | 75.4 | 9[illegible].7 |
| [illegible] | 8[illegible].6 | 75.4 | 88.2 | 98.9 | | | | | | | 9[illegible].[illegible] | 83.5 | 9[illegible].[illegible] |
| [illegible] | 9[illegible].3 | 82.3 | 93.1 | 1[illegible].0 | | | | | | | 99.3 | 9[illegible].[illegible] | 9[illegible].[illegible] |
| -5 | 9[illegible].3 | 91.4 | 96.2 | | | | | | | | 1[illegible].0 | 96.[illegible] | 9[illegible].[illegible] |
| -1[illegible] | 97.6 | 9[illegible].9 | 98.2 | | | | | | | | | 98.8 | 99.[illegible] |
| -15 | 99.2 | 99.7 | 99.9 | | | | | | | | | 99.9 | 99.9 |
| -[illegible] | 1[illegible].0 | 1[illegible].0 | 1[illegible].0 | | | | | | | | | 1[illegible].0 | 1[illegible].0 |
| MEAN | [illegible]4 | 1[illegible] | [illegible] | 27.7 | 37.[illegible] | 44.6 | 4[illegible] | [illegible].5 | 4[illegible].4 | 3[illegible] | 2[illegible] | 19.7 | [illegible] |
| S.D. | [illegible] | 14.78 | 12.51 | [illegible].151 | [illegible].797 | 4.753 | 4.159 | 3.279 | 4.[illegible] | [illegible].437 | [illegible].450 | [illegible].147 | [illegible].164 |
| [illegible] | 723 | 643 | 726 | 723 | 77[illegible] | [illegible]13 | 77[illegible] | 665 | 682 | 797 | 719 | 775 | [illegible] |

USAFETAC [illegible] 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION | [illegible] AK — STATION NAME | YEARS

WHOLE DEGREES FAHRENHEIT

| YEAR / MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | | | | | | | | | | | | | |
| [illegible]4 | 3[illegible]* | 72* | 43 | 45* | 41 | | | | | 4[illegible]* | 4[illegible]* | [illegible] | |
| [illegible]5 | 41 | 40 | 41* | 39 | 45 | 5[illegible]* | 63 | 5[illegible] | [illegible] | 44 | [illegible] | [illegible]7 | |
| 5[illegible] | [illegible]* | 37 | 3[illegible] | 46 | 49 | 50 | 7[illegible] | 54* | [illegible] | 4[illegible] | 3[illegible] | [illegible] | |
| 57 | 40 | [illegible]0 | 44 | 43* | 56 | 65 | 61 | 6[illegible] | 61 | 4[illegible] | [illegible] | 37 | |
| [illegible] | 33 | 43 | 30 | 45 | 49* | 40* | 5[illegible] | | | | | | |
| 5[illegible] | | [illegible]* | [illegible] | 39 | 59 | 65 | 61 | 64 | 5[illegible] | [illegible] | 4[illegible] | [illegible] | |
| [illegible] | 41 | 44 | 40* | 40 | 56 | 57 | 75 | 63 | [illegible]3 | 4[illegible] | 4[illegible] | [illegible] | |
| [illegible] | 44 | 34 | 37 | 45 | 54 | 5[illegible] | 61 | [illegible] | 57 | 47 | 42 | 4[illegible] | |
| [illegible] | 43 | 44 | 42 | 43 | 40 | 60* | 65* | 61 | 52 | 46 | 44 | [illegible] | |
| [illegible] | [illegible] | 39 | 40 | 43 | 57 | 59 | 65 | 56 | 66 | [illegible] | [illegible] | [illegible] | |
| 64 | 34 | 39* | 3[illegible] | | [illegible]* | 47 | | [illegible]* | [illegible] | 4[illegible]* | 3[illegible] | | |
| [illegible]5 | | | | 43 | 4[illegible] | 59* | 6[illegible] | | | | | | |
| [illegible] | | [illegible]* | 33* | 44 | 5[illegible] | [illegible]4 | 64* | 5[illegible]* | [illegible]4 | 4[illegible] | 4[illegible] | [illegible] | |
| 67 | [illegible]* | 36* | 4[illegible]* | 44 | 56 | 65 | 63* | 64 | | | | | |
| 6[illegible] | | | | [illegible]* | 57* | 5[illegible] | | [illegible]* | 4[illegible] | 40* | 4[illegible]* | [illegible] | |
| [illegible] | 37* | 37 | | [illegible]* | 62 | | | [illegible]* | [illegible]* | [illegible]* | 3[illegible] | 4[illegible] | |
| 7[illegible] | 3[illegible] | | | | | | [illegible]* | 6[illegible] | 57 | 49 | 5[illegible] | 4[illegible] | |
| 7[illegible] | 4[illegible] | 41 | 43 | 38 | 45 | 53 | 64 | 58 | [illegible]2 | 44 | 4[illegible] | [illegible] | |
| 7[illegible] | 4[illegible] | 34 | 33 | [illegible] | 4[illegible]* | 58* | 6[illegible]* | 66 | 59 | [illegible] | 4[illegible] | [illegible] | |
| 7[illegible] | 37 | [illegible] | 42 | [illegible]6* | 48* | 54* | 62 | 5[illegible] | 62 | 47 | 44 | [illegible] | |
| 74 | 4[illegible]* | 36 | 4[illegible]* | 44* | 59* | 5[illegible] | 64 | [illegible] | 6[illegible] | [illegible] | 42 | 37 | [illegible] |
| 7[illegible] | 3[illegible] | 36 | [illegible]* | 45 | 46* | 57* | 65 | 57 | 54* | [illegible] | 41 | [illegible] | [illegible] |
| 76 | 34 | [illegible]8 | 37 | 43 | 45 | 63 | 51 | 61 | 55 | 47 | 41 | [illegible] | [illegible] |
| 77 | 42 | 39 | 4[illegible] | 37 | 43 | 54 | [illegible]7 | 70 | 57 | 49 | 45 | [illegible] | [illegible] |
| 7[illegible] | 41 | 40 | 39 | 47 | 52 | 57 | 61 | 65 | 5[illegible] | 45 | 43 | [illegible] | [illegible] |
| 7[illegible] | 40 | 38 | 42 | 47 | 60 | 5[illegible] | 66 | 64 | 62 | [illegible] | 4[illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 44 | 3[illegible] | 44 | 57 | [illegible] | 73 | 6[illegible] | 55 | 47 | 4[illegible] | 3[illegible] | [illegible] |
| [illegible] | 40 | 41 | 42 | 44 | 6[illegible] | 61 | [illegible] | 65 | 57 | [illegible] | 42 | 3[illegible] | [illegible] |
| [illegible] | 37 | 45 | 38 | 39 | 43 | 57 | 59 | 64 | 55 | 4[illegible] | 43 | 41 | [illegible] |
| MEAN | 4[illegible] | 4[illegible].2 | 3[illegible].6 | 42.2 | 51.[illegible] | [illegible].2 | 64.7 | 62.4 | 56.7 | 47.9 | 4[illegible].3 | 4[illegible] | [illegible] |
| S.D. | 4.022 | 4.[illegible]63 | 3.[illegible]9[illegible] | 3.7[illegible] | [illegible].23[illegible] | 4.92[illegible] | 4.441 | 3.55 | 4.[illegible]4[illegible] | 2.72[illegible] | 2.[illegible]2 | 3.[illegible]1 | [illegible] |
| TOTAL OBS | 723 | [illegible] | 728 | 72[illegible] | 77[illegible] | 7[illegible]3 | 7[illegible] | 55[illegible] | [illegible]62 | 797 | 7[illegible] | 77[illegible] | [illegible] |

NOTES * (BASED ON LESS THAN FULL MONTHS)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

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

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

DEGREES FAHRENHEIT

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

NOTES

USAF ETAC FORM JUL 84 0-88 5 (OLA)

(AT LEAST ONE DAY LESS THAN FULL MONTH)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-3300 CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 1 0000-2300

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | OBS | OBS | OBS | OBS |
| 45/ 45 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 44/ 43 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 42/ 41 | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 1 | |
| 40/ 39 | | | .2 | 1.4 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 5 | 3 |
| 38/ 37 | | | .1 | 4.9 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | 58 | 12 | 3 |
| 36/ 35 | | | .7 | 2.1 | 1.4 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 99 | 99 | 12 | 22 |
| 34/ 33 | | | .8 | 9.9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 96 | 96 | 112 | 51 |
| 32/ 31 | | | 2.5 | 2.4 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 105 | 105 | 170 | 139 |
| 30/ 29 | | | 2.8 | 3.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 101 | 71 |
| 28/ 27 | | | 3.1 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 61 | 90 |
| 26/ 25 | | | .7 | 3.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 35 | 44 |
| 24/ 23 | | | .1 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 33 | 19 |
| 22/ 21 | | | .6 | 1.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 16 | 30 |
| 20/ 19 | | | 1.2 | 1.6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 27 | 30 |
| 18/ 17 | | | .2 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 15 | 23 |
| 16/ 15 | | | 1.3 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 24 | 21 |
| 14/ 13 | | | 1.8 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 24 | 20 |
| 12/ 11 | | | .8 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 16 | 15 |
| 10/ 9 | | | .6 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 14 | 21 |
| 8/ 7 | | | .2 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 12 | 12 |
| 6/ 5 | | | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 14 | 7 |
| 4/ 3 | | | .5 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 10 | 15 |
| 2/ 1 | | | .4 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 11 | 9 |
| 0/ -1 | | | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 16 | 16 |
| -2/ -3 | | | 2.0 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 26 | 9 |
| -4/ -5 | | | 1.2 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 14 | 16 |
| -6/ -7 | | | 2.9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 26 | 4 |
| -8/ -9 | | | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 20 | 12 |
| -10/-11 | | | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 23 |
| -12/-13 | | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 14 |
| -14/-15 | | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 20 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| -18/-19 | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | < 0 F | < 20 F | < 32 F | < 32 F | < 50 F | < 73 F | Total |
| Ref. Hum | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

723050 CAPE NEWENHAM AFS AK 73-82 JAN



| | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 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+ | OBS | OBS |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -30/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -32/-33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -34/-39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 31.2 | 61.4 | 6.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | 850 | 850 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 850 | 850 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No Obs | Mean No of Hours with Temperature | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | <0 F | 0-32 F | 33-45 F | 46-55 F | 56-65 F | >65 F | |
| Dry Bulb | 568,640. | 68774. | 80.9 | 11.694 | 850 | | 13.3 | 62.4 | | | | 93 |
| Wet Bulb | 62,584. | 19254. | 22.7 | 14.977 | 850 | 13.3 | 62.4 | 17.3 | | | | 93 |
| Dew Point | 574,217. | 18359. | 21.6 | 14.494 | 850 | 14.1 | 59.8 | 19.1 | | | | 93 |
| | 504,627 | 14349 | 17.6 | 16.873 | 850 | 18.2 | 64.5 | 10.3 | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 1 0300-0500

| Temp. (F) | Wet bulb temperature depression (F) | | | | Total | | Total | |
|---|---|---|---|---|---|---|---|---|
| 44/ 43 | | .1 | | | 1 | 1 | | |
| 42/ 41 | | | .1 | | 1 | 1 | 1 | |
| 40/ 39 | | 1.4 | .1 | | 14 | 14 | [illegible] | 1 |
| 38/ 37 | .4 | 5.2 | 1.5 | | 65 | 65 | [illegible] | 3 |
| 36/ 35 | .7 | 8.3 | .8 | .1 | 89 | 89 | [illegible] | [illegible] |
| 34/ 33 | 2.5 | 7.9 | .9 | .2 | 105 | 105 | 117 | 67 |
| 32/ 31 | 2.3 | 7.0 | 1.7 | | 100 | 100 | 94 | [illegible] |
| 30/ 29 | 3.6 | 5.4 | .4 | | 86 | 86 | [illegible] | 92 |
| 28/ 27 | 1.7 | 3.5 | .2 | | 49 | 49 | 76 | 55 |
| 26/ 25 | .9 | 3.6 | .2 | | 43 | 43 | 46 | 67 |
| 24/ 23 | .3 | 1.9 | .1 | | 21 | 21 | 30 | 34 |
| 22/ 21 | .8 | 1.1 | .1 | | 18 | 18 | [illegible] | 49 |
| 20/ 19 | 1.4 | 1.5 | .2 | | 29 | 29 | 19 | 40 |
| 18/ 17 | .3 | 1.3 | .2 | | 17 | 17 | 16 | [illegible] |
| 16/ 15 | .7 | 1.0 | | | 15 | 15 | 21 | [illegible] |
| 14/ 13 | 1.1 | .9 | | | 18 | 18 | 19 | [illegible] |
| 12/ 11 | .9 | 1.3 | | | 20 | 20 | 17 | 11 |
| 10/ 9 | 1.1 | .9 | | | 18 | 18 | 16 | 16 |
| 8/ 7 | .7 | .9 | | | 14 | 14 | 16 | [illegible] |
| 6/ 5 | .1 | .9 | | | 9 | 9 | 10 | [illegible] |
| 4/ 3 | .3 | .9 | | | 11 | 11 | 10 | 12 |
| 2/ 1 | .5 | 1.4 | | | 18 | 18 | 15 | 6 |
| 0/ -1 | 1.4 | .8 | | | 20 | 20 | 20 | 12 |
| -2/ -3 | 1.4 | 1.5 | | | 27 | 27 | 28 | [illegible] |
| -4/ -5 | 1.0 | .6 | | | 14 | 14 | 16 | 15 |
| -6/ -7 | 1.0 | .2 | | | 11 | 11 | 11 | 13 |
| -8/ -9 | 4.0 | | | | 36 | 36 | [illegible] | 13 |
| -10/-11 | 2.6 | | | | 24 | 24 | 24 | [illegible] |
| -12/-13 | .4 | | | | 4 | 4 | 4 | 13 |
| -14/-15 | .5 | | | | 7 | 7 | 7 | 41 |
| -16/-17 | .3 | | | | 3 | 3 | 3 | [illegible] |
| -18/-19 | .2 | | | | 2 | 2 | 2 | 6 |
| -20/-21 | | | | | | | | 12 |
| -22/-23 | | | | | | | | 8 |

| Element X | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature | Total |
|---|---|---|---|---|---|---|---|
| Rel Hum | | | | | | | |
| Dry Bulb | | | | | | | |
| Wet Bulb | | | | | | | |
| Dew Point | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7-3350 CAPE NEWENHAM AFS AK 73-82 JAN



| Temp. °F | WET BULB TEMPERATURE DEPRESSION °F 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 >31 | TOTAL DB | TOTAL WB | Dew Point °F |
|---|---|---|---|---|
| -24/-25 | | | | 5 |
| -26/-27 | | | | 7 |
| -28/-29 | | | | 3 |
| -30/-31 | | | | 4 |
| -32/-33 | | | | 2 |
| -42/-43 | | | | 1 |
| -44/-45 | | | | 2 |
| TOTAL | 33.659.5 6.6 .3 | 909 | 909 | 909 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature °F | °F | °F | °F | °F | Tmax |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dew Point | 6008343 | 72931 | 80.213 | 8.134 | 909 | | | | | | |
| Dry Bulb | 642411 | 19579 | 21.525 | 4.437 | 909 | 15.1 | 64.9 | | | | 73 |
| Wet Bulb | 591264 | 18762 | 20.634 | 4.969 | 909 | 15.9 | 71.4 | | | | 73 |
| Dew Point | 533925 | 14849 | 16.417 | 8.873 | 909 | 20.2 | 83.4 | | | | 83 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72306 CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 1 0600-0900

| T(°F) | WET BULB TEMPERATURE DEPRESSION (°F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31+ | TOTAL DB | TOTAL WB | TOTAL DP | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42/ 41 | | .3 | .5 | | | | | | | | | | | | | | | 8 | 9 | | |
| 40/ 39 | | 1.0 | 1.3 | | | | | | | | | | | | | | | 21 | 21 | 4 | |
| 38/ 37 | .2 | 4.3 | 2.2 | | | | | | | | | | | | | | | 61 | 61 | 25 | 4 |
| 36/ 35 | .9 | 6.3 | .7 | | | | | | | | | | | | | | | 90 | 90 | 71 | 20 |
| 34/ 33 | 2.0 | 7.3 | .8 | | | | | | | | | | | | | | | 92 | 92 | 116 | 59 |
| 32/ 31 | 2.3 | 8.5 | 1.0 | | | | | | | | | | | | | | | 108 | 108 | 91 | 135 |
| 30/ 29 | 3.3 | 6.2 | | | | | | | | | | | | | | | | 87 | 87 | 109 | 93 |
| 28/ 27 | 1.9 | 2.7 | | | | | | | | | | | | | | | | 42 | 42 | 61 | 78 |
| 26/ 25 | 1.6 | 2.1 | .5 | | | | | | | | | | | | | | | 39 | 39 | 37 | 64 |
| 24/ 23 | 1.0 | 2.1 | .1 | | | | | | | | | | | | | | | 29 | 29 | 35 | 32 |
| 22/ 21 | .9 | 1.7 | | | | | | | | | | | | | | | | 24 | 24 | 23 | 38 |
| 20/ 19 | .5 | 1.0 | .2 | | | | | | | | | | | | | | | 16 | 16 | 17 | 32 |
| 18/ 17 | .8 | 1.6 | | | | | | | | | | | | | | | | 22 | 22 | 17 | 28 |
| 16/ 15 | .7 | 1.3 | | | | | | | | | | | | | | | | 16 | 18 | 22 | 23 |
| 14/ 13 | 1.1 | 1.3 | | | | | | | | | | | | | | | | 22 | 22 | 20 | 21 |
| 12/ 11 | .9 | .9 | | | | | | | | | | | | | | | | 16 | 16 | 16 | 18 |
| 10/ 9 | .4 | 1.9 | | | | | | | | | | | | | | | | 21 | 21 | 17 | 16 |
| 8/ 7 | .4 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 14 | 16 |
| 6/ 5 | .7 | .5 | | | | | | | | | | | | | | | | 11 | 11 | 10 | 11 |
| 4/ 3 | .8 | 1.0 | | | | | | | | | | | | | | | | 16 | 16 | 13 | 14 |
| 2/ 1 | | 2.2 | | | | | | | | | | | | | | | | 20 | 20 | 14 | 16 |
| 0/ -1 | 1.7 | .8 | | | | | | | | | | | | | | | | 23 | 23 | 26 | 9 |
| -2/ -3 | 2.5 | 1.1 | | | | | | | | | | | | | | | | 33 | 33 | 32 | 5 |
| -4/ -5 | 1.2 | .4 | | | | | | | | | | | | | | | | 15 | 15 | 23 | 11 |
| -6/ -7 | 1.3 | .1 | | | | | | | | | | | | | | | | 13 | 13 | 13 | 17 |
| -8/ -9 | 3.3 | | | | | | | | | | | | | | | | | 33 | 33 | 33 | 19 |
| -10/-11 | 2.1 | | | | | | | | | | | | | | | | | 19 | 19 | 19 | 22 |
| -12/-13 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 13 |
| -14/-15 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 35 |
| -16/-17 | .4 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 12 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 13 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | 15 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 4 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 4 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean Number of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | < 0°F | < 32°F | < 45°F | < 50°F | < 60°F | < 70°F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 7 0600-0900

| Temp. F | WET BULB TEMPERATURE DEPRESSION (F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 >31 | TOTAL DB WB | TOTAL Dep F |
|---|---|---|---|
| -26/-27 | | | 1 |
| -28/-29 | | | 4 |
| -30/-31 | | | 5 |
| -32/-33 | | | 1 |
| -42/-43 | | | 1 |
| TOTAL | 34 358 7 7 3 | 917 917 | 917 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature <32 F | <42 F | <52 F | <63 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 610642. | 73986. | 80.712.320 | | 917 | | | | | |
| Dry Bulb | 649443 | 19936. | 21.715.357 | | 917 | 15.1 | 55.4 | | | 93 |
| Wet Bulb | 596579. | 19007. | 20.714.873 | | 917 | 16.1 | 71.1 | | | 93 |
| Dew Point | 532762 | 15244 | 16.617.463 | | 917 | 19.4 | 84.6 | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72352 CAPE NEWENHAM AFS AK 73-82 JAN



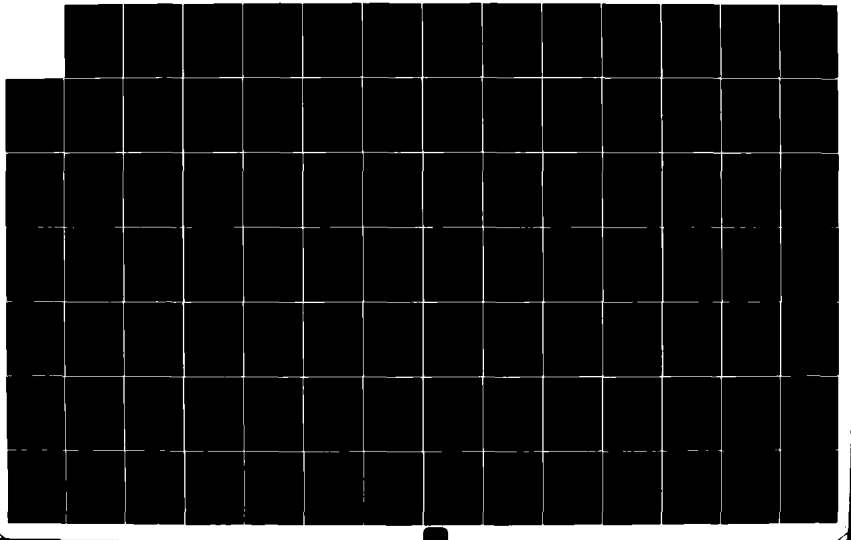
| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB | WB | DB | WB |
| 90/ 41 | | | .2 | .4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | | |
| 40/ 39 | | | 1.1 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 2 | |
| 38/ 37 | | | 3.9 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | 20 | 1 |
| 36/ 35 | .8 | 9.6 | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 120 | 120 | 72 | 18 |
| 34/ 33 | .7 | 7.9 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | 91 | 115 | 42 |
| 32/ 31 | 2.4 | 9.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 211 | 141 |
| 30/ 29 | 3.2 | 3.7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 115 | 103 |
| 28/ 27 | 1.6 | 2.9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 54 | 76 |
| 26/ 25 | 1.6 | 2.7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 44 | 68 |
| 24/ 23 | .8 | 2.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 34 | 50 |
| 22/ 21 | 1.0 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 27 | 32 |
| 20/ 19 | .1 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 15 | 42 |
| 18/ 17 | 1.0 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 26 | 15 |
| 16/ 15 | .7 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 15 | 32 |
| 14/ 13 | 1.2 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 29 | 29 |
| 12/ 11 | .4 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 17 | 24 |
| 10/ 9 | .3 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 16 | 22 |
| 8/ 7 | .5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 8 | 29 |
| 6/ 5 | .5 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 9 | 21 |
| 4/ 3 | .5 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 14 | 22 |
| 2/ 1 | .7 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 16 | 12 |
| 0/ -1 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 34 | 12 |
| -2/ -3 | 1.8 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 21 | 7 |
| -4/ -5 | 1.4 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 23 | 14 |
| -6/ -7 | 2.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 22 | 21 |
| -8/ -9 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 18 | 15 |
| -10/-11 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 20 | 16 |
| -12/-13 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 10 |
| -14/-15 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 |
| -16/-17 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 23 |
| -18/-19 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 3 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |

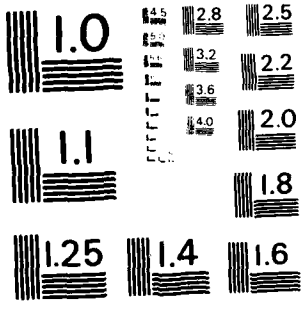
| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | N | Obs | Mean Monthly Maximum Temperature | | | | | | | Mean Monthly Minimum Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | |

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

UNCLASSIFIED USAFETAC/DS-83/019 SBI-AD-E850 397 F/G 4/2 NL

4/5






MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

13350 CAPE NEWENHAM AFS AK 73-82 JAN



| | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL DB WB | TOTAL Wet Bulb Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31+ | | | | | | | | | | |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| -30/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| -32/-33 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| -42/-43 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 31 | 059 | 8 | 8 | 7 | 4 | | | | | | | | | | | | | | | | | | | | 919 | 919 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 919 | 919 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs | Mean No. of Hours with Temperature (F) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | -1 F | -32 F | -17 F | -2 F | -1 F | Total |
| Dry Bulb | 5978078. | 73264. | 79.712 | 8.890 | 919 | | | | | | |
| Wet Bulb | 660488. | 20244. | 22.015 | 5.288 | 919 | 14.2 | 63.6 | | | | x3 |
| Dew Point | 621364. | 192.4. | 20.914 | 5.752 | 919 | 15.5 | 71.8 | | | | x3 |
| | 527968 | 15284 | 16.627 | 9.269 | 919 | 13.2 | 85.8 | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

73830 CAPE NEWENHAM AFS AK 73-82 JAN



| F | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL DB | TOTAL WB | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| 60/ 41 | | | | .1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 42/ 39 | | | 2.4 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 5 | |
| 38/ 37 | | | 5.7 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 77 | 3 |
| 36/ 35 | | .4 | 8.5 | 2.7 | | | | | | | | | | | | | | | | | | | | | | | | | 107 | 107 | 64 | 45 |
| 34/ 33 | | 1.1 | 6.4 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 122 | 53 |
| 32/ 31 | | 1.5 | 11.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 119 | 119 | 96 | 142 |
| 30/ 29 | | 2.8 | 3.9 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 100 | 93 |
| 28/ 27 | | 2.5 | 2.9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 56 | 73 |
| 26/ 25 | | .7 | 2.6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 86 | 77 |
| 24/ 23 | | .7 | 2.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 43 | 45 |
| 22/ 21 | | .7 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 29 | 29 |
| 20/ 19 | | .1 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 16 | 46 |
| 18/ 17 | | .9 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 13 | 19 |
| 16/ 15 | | .3 | 2.7 | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 16 | 26 |
| 14/ 13 | | .4 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 26 | 27 |
| 12/ 11 | | .1 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 12 | 14 |
| 10/ 9 | | .1 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 16 | 15 |
| 8/ 7 | | .2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 15 | 14 |
| 6/ 5 | | .3 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 7 | 13 |
| 4/ 3 | | .2 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 13 |
| 2/ 1 | | .9 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 28 | 14 |
| 0/ -1 | | 1.8 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 33 | 12 |
| -2/ -3 | | .8 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 15 | 14 |
| -4/ -5 | | 2.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 31 | 21 |
| -6/ -7 | | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 16 | 17 |
| -8/ -9 | | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 16 | 14 |
| -10/-11 | | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 13 | 25 |
| -12/-13 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 12 |
| -14/-15 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 26 |
| -16/-17 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 24 |
| -18/-19 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 13 |
| -20/-21 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 11 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Max | Min | Mean | Std Dev | Range |
|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | |
| Dew Point | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

70305C CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 2 1200-1400

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL D.B. | TOTAL W.B. | TOTAL D.P. | TOTAL |
|---|---|---|---|---|---|
| -30/-27 | | | | | 4 |
| -40/-47 | | | | | 2 |
| -50/-57 | | | | | 1 |
| TOTAL | 24.864.910.2 .1 | 920 | 920 | 970 | 920 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 5837511 | 72363 | 78.7 | 12.594 | 920 | | | | | | | |
| Dry Bulb | 682826 | 20912 | 22.7 | 15.026 | 920 | 12.6 | 62.5 | | | | | 93 |
| Wet Bulb | 610374 | 19764 | 21.5 | 14.521 | 920 | 14.3 | 69.3 | | | | | 93 |
| Dew Point | 542703 | 15613 | 17.0 | 17.384 | 920 | 19.2 | 88.8 | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

73056 CAPE NEWENHAM AFS AK 73-82 JAN



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL OBS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 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 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 42/ 41 | | | | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 4 / 39 | | .1 | 1.2 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 5 | 1 |
| 38/ 37 | | .6 | 4.0 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 25 | 5 |
| 3 / 35 | | | 8.6 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 49 | 12 |
| 34/ 33 | | 1.5 | 9.3 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | 98 | 98 | 115 | 48 |
| 3 / 31 | | 2.2 | 9.9 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | 107 | 107 | 97 | 127 |
| 30/ 29 | | 4.4 | 4.6 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 116 | 106 |
| 2 / 27 | | 1.1 | 3.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 95 | 73 |
| 26/ 25 | | 1.3 | 1.8 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 38 | 59 |
| 24/ 23 | | .1 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 17 | 34 |
| 22/ 21 | | .6 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 26 | 27 |
| 2 / 19 | | .6 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 16 | 31 |
| 1 / 17 | | .2 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 19 | 11 |
| 16/ 15 | | .2 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 10 | 30 |
| 14/ 13 | | .4 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 26 | 14 |
| 1 / 11 | | .4 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 17 | 17 |
| 10/ 9 | | .1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 11 | 8 |
| 8/ 7 | | .4 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 10 | 14 |
| 6/ 5 | | .2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 14 | 12 |
| 4/ 3 | | .4 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 12 | 11 |
| 2/ 1 | | .1 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 16 | 12 |
| 0/ -1 | | 1.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 12 | 3 |
| -2/ -3 | | 1.2 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 23 | 14 |
| -4/ -5 | | 2.7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 30 | 13 |
| -6/ -7 | | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 15 | 12 |
| -8/ -9 | | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 21 | 14 |
| -10/-11 | | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 16 | 16 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| -14/-15 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 21 |
| -16/-17 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 10 |
| -18/-19 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 8 |
| -20/-21 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 15 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

| | Σx | Σx | x | | N Obs | Mean Wet Bulb Temperature | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 1500-1700

| Temp (F) | WET BULB TEMPERATURE DEPRESSION F | | | | TOTAL | TOTAL |
|---|---|---|---|---|---|---|
| -24/-25 | | | | | | 5 |
| -26/-27 | | | | | | 4 |
| -28/-29 | | | | | | 2 |
| -30/-31 | | | | | | 4 |
| -50/-51 | | | | | | 2 |
| -56/-57 | | | | | | 1 |
| TOTAL | 26.4 | 64.8 | 8.6 | .1 | 821 | 821 |
| | | | | | 821 | 821 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | [illegible] | [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 5285131. | 65005. | 79.2 | 12.981. | 821 | | | |
| [illegible] | 652700. | 18482. | 22.5 | 15.093. | 821 | 13.6. | 53.0. | 93 |
| [illegible] | 548368. | 17514. | 21.3 | 14.623. | 821 | 14.9. | 71.0. | 93 |
| [illegible] | 490468 | 13876 | 16.9 | 17.668 | 821 | 13.7 | 65.5 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7[illegible] CAPE NEWENHAM AFS AK 73-75,77-82 JAN

PAGE 1 [illegible]

WET BULB TEMPERATURE DEPRESSION (F)

| Temp. (F) | 1 | 2 | 3 | TOTAL D.B. | W.B. | TOTAL D.P. | [illegible] |
|---|---|---|---|---|---|---|---|
| 42/ 41 | | .2 | .9 | 7 | 7 | | |
| 40/ 39 | .2 | .6 | 1.4 | 14 | 14 | 3 | 1 |
| 38/ 37 | .3 | 4.8 | .6 | 36 | 38 | 14 | 1 |
| 36/ 35 | .2 | 9.7 | 2.3 | 76 | 78 | 48 | 7 |
| 34/ 33 | 2.0 | 10.0 | 1.4 | 96 | 96 | 98 | [illegible] |
| 32/ 31 | 3.4 | 10.3 | .2 | 69 | 69 | 96 | 114 |
| 30/ 29 | 5.5 | 3.0 | .8 | 59 | 59 | 103 | 71 |
| 28/ 27 | 1.6 | 4.1 | .3 | 38 | 39 | 73 | [illegible] |
| 26/ 25 | 1.3 | 2.8 | .3 | 26 | 29 | 79 | 40 |
| 24/ 23 | .3 | 1.4 | .2 | 12 | 12 | 18 | 26 |
| 22/ 21 | 1.6 | 1.3 | .5 | 21 | 21 | 20 | 29 |
| 20/ 19 | 1.4 | 2.3 | | 24 | 24 | 35 | 29 |
| 18/ 17 | | 1.4 | | 9 | 9 | 12 | 15 |
| 16/ 15 | | 1.6 | | 10 | 10 | 8 | 16 |
| 14/ 13 | .2 | 1.9 | | 13 | 13 | 6 | 9 |
| 12/ 11 | .6 | .8 | | 9 | 9 | 17 | 19 |
| 10/ 9 | | .2 | | 1 | 1 | 4 | 6 |
| 8/ 7 | | .9 | | 6 | 6 | 5 | 8 |
| 6/ 5 | .3 | 1.3 | | 10 | 10 | 10 | 7 |
| 4/ 3 | .6 | 1.9 | | 16 | 15 | 15 | 5 |
| 2/ 1 | .2 | 1.3 | | 9 | 9 | 4 | 11 |
| 0/ -1 | .9 | .2 | | 7 | 7 | 12 | 5 |
| -2/ -3 | .9 | .5 | | 9 | 9 | 10 | 6 |
| -4/ -5 | 3.4 | | | 22 | 22 | 22 | 20 |
| -6/ -7 | 1.3 | | | 8 | 8 | 8 | 11 |
| -8/ -9 | 1.3 | | | 8 | 9 | 6 | 6 |
| -10/-11 | .8 | | | 5 | 5 | 5 | 17 |
| -12/-13 | .3 | | | 2 | 2 | 2 | 8 |
| -14/-15 | .2 | | | 1 | 1 | 1 | 17 |
| -16/-17 | | | | | | | 5 |
| -18/-19 | .2 | | | 1 | 1 | 1 | |
| -20/-21 | | | | | | | 5 |
| -22/-23 | | | | | | | 3 |
| -26/-27 | | | | | | | 1 |

| ELEMENT | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. |
|---|---|---|---|---|---|
| [illegible] | | | | | |
| [illegible] | | | | | |
| [illegible] | | | | | |
| [illegible] | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7_3050 CAPE NEWENHAM AFS AK 73-75,77-82 JAN

PAGE 2 1000-2000

| TYPE F | WET BULB TEMPERATURE DEPRESSION F: 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31+ | TOTAL DB + B | TOTAL DB - B | TOTAL wet B | TOTAL Dew P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 23.862.2 | 9.1 | | | | | | | | | | | | | | | | 640 | | | 640 |
| | | | | | | | | | | | | | | | | | | 640 | | 640 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No Obs | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 4373759. | 52461. | 82.010.484. | | 640 | | | | | | | |
| Dry Bulb | 5053.3. | 159.9. | 24.711.378. | | 640 | 9.2. | 63.6. | | | | | 93 |
| Wet Bulb | 466.322. | 150.76. | 23.612.933. | | 640 | 10.3. | 69.3. | | | | | 93 |
| Dew Point | 393853. | 127.55. | 19.918.783. | | 640 | 13.7. | 84.4. | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

702060 CAPE NEWENHAM AFS AK 73-74,76-82 JAN

PAGE 1 2100-2300

| Temp. (F) | 0 | 1-2 | 3-4 | 5-6 | Total D.B. | W.B. Dry Bulb | Total Wet Bulb | |
|---|---|---|---|---|---|---|---|---|
| 44/ 43 | | | .3 | | 2 | 2 | | |
| 42/ 41 | | .2 | .3 | | 3 | 3 | | |
| 40/ 39 | .3 | 1.5 | 1.6 | | 21 | 21 | 7 | 2 |
| 38/ 37 | | 4.3 | 1.3 | | 34 | 34 | 15 | 5 |
| 36/ 35 | 1.0 | 9.0 | 3.0 | .3 | 81 | 81 | 63 | 12 |
| 34/ 33 | 1.5 | 12.0 | 1.0 | | 77 | 77 | 99 | 29 |
| 32/ 31 | 3.4 | 10.2 | .7 | | 87 | 87 | 67 | 106 |
| 30/ 29 | 3.2 | 3.4 | .2 | | 42 | 42 | 36 | 77 |
| 28/ 27 | 2.1 | 3.3 | .2 | | 34 | 34 | 16 | 51 |
| 26/ 25 | 1.3 | 4.1 | | | 33 | 33 | 36 | 49 |
| 24/ 23 | .7 | 1.0 | | | 10 | 10 | 19 | 17 |
| 22/ 21 | 1.0 | 1.6 | .7 | | 20 | 20 | 20 | 24 |
| 20/ 19 | 1.6 | 1.8 | .3 | | 24 | 24 | 24 | 25 |
| 18/ 17 | .5 | .7 | | | 7 | 7 | 10 | 25 |
| 16/ 15 | .8 | 1.1 | | | 12 | 12 | 12 | 18 |
| 14/ 13 | 1.1 | 1.1 | | | 14 | 14 | 11 | 9 |
| 12/ 11 | .5 | 1.3 | | | 11 | 11 | 11 | 12 |
| 10/ 9 | .3 | .3 | | | 4 | 4 | 9 | 7 |
| 8/ 7 | | 2.0 | | | 12 | 12 | 7 | 11 |
| 6/ 5 | | .3 | | | 2 | 2 | 7 | 7 |
| 4/ 3 | .3 | 1.8 | | | 13 | 13 | 10 | 7 |
| 2/ 1 | .2 | 1.3 | | | 9 | 9 | 8 | 10 |
| 0/ -1 | .5 | | | | 5 | 5 | 10 | 4 |
| -2/ -3 | 1.6 | .2 | | | 11 | 11 | 11 | 4 |
| -4/ -5 | 2.6 | | | | 16 | 16 | 16 | 3 |
| -6/ -7 | 2.1 | | | | 13 | 13 | 13 | 10 |
| -8/ -9 | 1.0 | | | | 6 | 6 | 6 | 11 |
| -10/-11 | .7 | | | | 4 | 4 | 4 | 15 |
| -12/-13 | .2 | | | | 1 | 1 | 1 | 6 |
| -14/-15 | .2 | | | | 1 | 1 | 1 | 17 |
| -16/-17 | | | | | | | | 5 |
| -20/-21 | | | | | | | | 3 |
| -24/-25 | | | | | | | | 1 |

| Element X | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature |
|---|---|---|---|---|---|---|
| Rel. H | | | | | | |
| Dry B | | | | | | |
| Wet B | | | | | | |
| Dew Point | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

713350 CAPE NEWENHAM AFS AK 73-74,76-82 JAN

PAGE 2 2100-2300

WET BULB TEMPERATURE DEPRESSION F

| F | 1 | 2 | 3-4 | 5-6 | 7 | 8 | 9-10 | 11-12 | 13 | 14 | 15-16 | 17-18 | 19-20 | 21-22 | 23 | 24 | 25 | 26-27 | 28-29 | 30 | >31 | TOTAL DB | TOTAL WET B | DEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 29 | 60 | 6 | 9 | 5 | . | 3 | | | | | | | | | | | | | | | 629 | 629 | |

| | Σx | Σx² | x̄ | σx | N | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DB | 423924. | 50388. | 82.710 | .330 | 629 | | | | | | | |
| DP | 483122. | 15154. | 24.913 | .236. | 629 | 8.7 | 59.7 | | | | | 93 |
| WET B | 442757. | 14467. | 23.812 | .766. | 629 | 9.5 | 66.7 | | | | | 93 |
| DEPRESS | 379222. | 12366. | 20.314 | .517 | 629 | 12.8 | 64.1 | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

702050 CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 1 ALL

WET BULB TEMPERATURE DEPRESSION F

| TEMP | | | | | TOTAL D.B. | W.B. | TOTAL | |
|---|---|---|---|---|---|---|---|---|
| 46/ 45 | | | .0 | | 1 | 1 | | |
| 44/ 43 | | .0 | .1 | | 5 | 5 | | |
| 42/ 41 | | .2 | .4 | .0 | 41 | 41 | 2 | |
| 40/ 39 | .1 | 1.4 | 1.2 | | 177 | 177 | 33 | 8 |
| 38/ 37 | .2 | 4.6 | 1.4 | | 415 | 415 | 177 | 24 |
| 36/ 35 | .6 | 8.9 | 1.9 | .1 | 753 | 753 | 499 | 139 |
| 34/ 33 | 1.5 | 8.5 | 1.1 | .0 | 734 | 734 | 900 | 409 |
| 32/ 31 | 2.4 | 9.3 | .9 | | 828 | 828 | 744 | 1041 |
| 30/ 29 | 3.5 | 4.3 | .4 | .0 | 542 | 542 | 671 | 722 |
| 28/ 27 | 1.9 | 3.1 | .2 | | 346 | 346 | 456 | 626 |
| 26/ 25 | 1.1 | 2.8 | .3 | | 279 | 279 | 313 | 458 |
| 24/ 23 | .5 | 2.1 | .1 | | 174 | 174 | 224 | 245 |
| 22/ 21 | .9 | 1.5 | .2 | | 163 | 163 | 211 | 277 |
| 20/ 19 | .8 | 1.7 | .2 | | 175 | 175 | 154 | 277 |
| 18/ 17 | .5 | 1.1 | .0 | | 111 | 111 | 126 | 157 |
| 16/ 15 | .6 | 1.5 | | | 141 | 141 | 124 | 165 |
| 14/ 13 | .9 | 1.5 | | | 158 | 158 | 159 | 127 |
| 12/ 11 | .6 | 1.2 | | | 117 | 117 | 125 | 120 |
| 10/ 9 | .4 | .9 | .0 | | 85 | 85 | 109 | 111 |
| 8/ 7 | .3 | 1.0 | .0 | | 87 | 87 | 89 | 114 |
| 6/ 5 | .3 | .7 | | | 62 | 62 | 81 | 64 |
| 4/ 3 | .5 | 1.3 | | | 113 | 113 | 97 | 69 |
| 2/ 1 | .4 | 2.0 | | | 154 | 154 | 110 | 90 |
| 0/ -1 | 1.4 | .5 | | | 124 | 124 | 169 | 72 |
| -2/ -3 | 1.6 | .9 | | | 162 | 162 | 146 | 73 |
| -4/ -5 | 1.9 | .6 | | | 163 | 163 | 177 | 98 |
| -6/ -7 | 1.6 | .2 | | | 116 | 116 | 171 | 105 |
| -8/ -9 | 2.3 | | | | 152 | 152 | 159 | 104 |
| -10/-11 | 1.8 | | | | 116 | 116 | 115 | 154 |
| -12/-13 | .5 | | | | 31 | 31 | 31 | 89 |
| -14/-15 | .4 | | | | 26 | 28 | 26 | 199 |
| -16/-17 | .3 | | | | 17 | 17 | 17 | 105 |
| -18/-19 | .2 | | | | 13 | 13 | 13 | 65 |
| -20/-21 | .0 | | | | 2 | 2 | 2 | 78 |

| Element X | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |
|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | |
| Dry Bulb | | | | | | |
| Wet Bulb | | | | | | |
| Dew Point | | | | | | |

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# PSYCHROMETRIC SUMMARY

725350 CAPE NEWENHAM AFS AK 73-82 JAN

PAGE 7 ALL

| °F | WET BULB TEMPERATURE DEPRESSION (°F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19 | 20 | 21-22 | 23-24 | 25 | 26 | 27-28 | 29-30 | ≥31 | TOTAL DB & WB | TOTAL Wet B. & Dew P. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -20/-23 | | | | | | | | | | | | | | | | | | | | | 55 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 34 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | 22 |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | 15 |
| -30/-31 | | | | | | | | | | | | | | | | | | | | | 16 |
| -32/-33 | | | | | | | | | | | | | | | | | | | | | 6 |
| -34/-35 | | | | | | | | | | | | | | | | | | | | | 2 |
| -42/-43 | | | | | | | | | | | | | | | | | | | | | 3 |
| -44/-45 | | | | | | | | | | | | | | | | | | | | | 2 |
| -46/-47 | | | | | | | | | | | | | | | | | | | | | 2 |
| -50/-51 | | | | | | | | | | | | | | | | | | | | | 2 |
| -56/-57 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 30.061.5 | 8.3 | .2 | | | | | | | | | | | | | | | | | 6585 | 6585 |
| | | | | | | | | | | | | | | | | | | | | 6585 | 6585 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean No. of Hours in Temperature Range: <-30°F | -30°F–-21°F | -20°F–-11°F | -10°F–-1°F | 0°F–9°F | ≥10°F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 4852964. | 149460. | 22.714 | .893 | 6585 | 134.4 | 563.8 | | | | | 744 |
| Wet Bulb | 4435345. | 142133. | 21.618 | .410 | 6585 | 112.9 | 562.7 | | | | | 744 |
| Dew Point | 3905548 | 114976 | 17.516 | .979 | 6585 | 148.9 | 578.5 | | | | | 744 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

723080 CAPE NEWENHAM AFS AK 73-82 FEB

PAGE 1 2000-0200

| DB °F | WET BULB TEMPERATURE DEPRESSION °F 0 | 1 | 2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | TOTAL # | TOTAL % | CUM ABV % | CUM BLW % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50/ 41 | | | .5 | .3 | | | | | | | | | | | | | | | 6 | 6 | . | |
| 42/ 39 | | | 2.4 | .6 | | | | | | | | | | | | | | | 24 | 24 | 3 | 1 |
| 38/ 37 | | .1 | 1.3 | .8 | | | | | | | | | | | | | | | 17 | 17 | 23 | 3 |
| 36/ 35 | | .3 | 6.8 | .5 | | | | | | | | | | | | | | | 59 | 59 | 82 | .6 |
| 34/ 33 | | 1.7 | 4.9 | .9 | | | | | | | | | | | | | | | 58 | 58 | 87 | 12 |
| 32/ 31 | | 1.7 | 6.2 | 1.2 | | | | | | | | | | | | | | | 69 | 69 | 96 | 79 |
| 30/ 29 | | .5 | 4.1 | .5 | | | | | | | | | | | | | | | 40 | 40 | 92 | 44 |
| 28/ 27 | | 1.2 | 3.7 | | | | | | | | | | | | | | | | 39 | 39 | 44 | 4 |
| 26/ 25 | | 1.2 | 1.9 | .1 | | | | | | | | | | | | | | | 25 | 25 | 46 | 0 |
| 24/ 23 | | 1.3 | 1.9 | | | | | | | | | | | | | | | | 29 | 29 | 29 | 0 |
| 22/ 21 | | .4 | .9 | .5 | | | | | | | | | | | | | | | 14 | 14 | 14 | 0 |
| 20/ 19 | | .4 | 3.5 | | | | | | | | | | | | | | | | 30 | 30 | 77 | 64 |
| 18/ 17 | | .8 | 2.3 | | | | | | | | | | | | | | | | 24 | 24 | 72 | 8 |
| 16/ 15 | | .1 | 4.6 | | | | | | | | | | | | | | | | 37 | 37 | 26 | 64 |
| 14/ 13 | | .5 | 2.4 | | | | | | | | | | | | | | | | 23 | 23 | 73 | 49 |
| 12/ 11 | | 1.3 | 2.7 | | | | | | | | | | | | | | | | 31 | 31 | 29 | 32 |
| 10/ 9 | | .1 | 3.9 | | | | | | | | | | | | | | | | 31 | 31 | 34 | 27 |
| 8/ 7 | | 1.3 | 1.8 | | | | | | | | | | | | | | | | 24 | 24 | 30 | 64 |
| 6/ 5 | | .4 | 1.0 | | | | | | | | | | | | | | | | 11 | 11 | 21 | 65 |
| 4/ 3 | | 1.3 | .6 | | | | | | | | | | | | | | | | 13 | 13 | 13 | 27 |
| 2/ 1 | | 1.5 | 1.7 | | | | | | | | | | | | | | | | 25 | 25 | 13 | 33 |
| 0/ -1 | | 2.2 | 1.8 | | | | | | | | | | | | | | | | 31 | 31 | 26 | 17 |
| -2/ -3 | | 2.7 | 1.0 | | | | | | | | | | | | | | | | 29 | 29 | 40 | 10 |
| -4/ -5 | | 3.0 | .5 | | | | | | | | | | | | | | | | 27 | 27 | 11 | 15 |
| -6/ -7 | | 1.5 | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 15 |
| -8/ -9 | | 1.4 | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 15 |
| -10/-11 | | 1.2 | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 16 |
| -12/-13 | | 1.2 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 17 |
| -14/-15 | | 1.4 | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 13 |
| -16/-17 | | 1.3 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 11 |
| -18/-19 | | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | 9 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | 13 |
| -24/-26 | | | | | | | | | | | | | | | | | | | | | | 4 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean Wet Bulb Temperature °F | | Mean Dew Point Temperature °F | | Mean Relative Humidity % |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Abs | Diff | Abs | Diff | |
| Dry Bulb | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | |
| Dew Point | | | | | | | | | | |

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# PSYCHROMETRIC SUMMARY

7_3350 CAPE NEWENHAM AFS AK 73-82 FEB

PAGE 7 3233-3283

| Temp °F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL DB | TOTAL Wet B | TOTAL Dew P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | >32 | | | | | | | | | | | |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -30/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -32/-33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 32.162.5 | 5.4 | | | | | | | | | | | | | | | | | | | | | | | | 778 | | 778 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 778 | 776 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs | Mean Max Min Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 493456.7 | 61345. | 78.811 | .201 | 778 | | | | | | | |
| Dry Bulb | 432435. | 13837. | 17.815 | .486 | 778 | 15.1 | 55.3 | | | | | 84 |
| Wet Bulb | 394185. | 13061. | 16.815 | .304 | 778 | 17.4 | 70.4 | | | | | 84 |
| Dew Point | 343635. | 9543. | 12.317 | .077 | 778 | 21.6 | 77.8 | | | | | 68 |

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# PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-82 FEB

PAGE 1 0300-0500

| | WET BULB TEMPERATURE DEPRESSION F | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|
| 44/ 43 | | | .2 | 2 | 2 | | |
| 42/ 41 | | .4 | .2 | 5 | 5 | | |
| 40/ 39 | | 1.2 | .5 | 14 | 14 | 6 | |
| 38/ 37 | .1 | 1.8 | .5 | 27 | 27 | 16 | 2 |
| 36/ 35 | .5 | 6.0 | 1.1 | 63 | 63 | 74 | 21 |
| 34/ 33 | 1.1 | 5.4 | .6 | 59 | 59 | 75 | 30 |
| 32/ 31 | 2.3 | 5.8 | .5 | 71 | 71 | 60 | 62 |
| 30/ 29 | 2.0 | 4.9 | .5 | 62 | 62 | 77 | 44 |
| 28/ 27 | 1.3 | 2.4 | .2 | 33 | 33 | 51 | 52 |
| 26/ 25 | 1.2 | 3.1 | | 36 | 36 | 33 | 63 |
| 24/ 23 | .4 | 2.2 | | 21 | 21 | 26 | 21 |
| 22/ 21 | | 1.9 | .4 | 19 | 19 | 9 | 28 |
| 20/ 19 | .1 | 2.9 | .1 | 26 | 26 | 23 | 27 |
| 18/ 17 | .5 | 2.0 | | 32 | 32 | 31 | 20 |
| 16/ 15 | 1.1 | 3.6 | | 39 | 39 | 22 | 23 |
| 14/ 13 | .7 | 2.3 | | 25 | 25 | 33 | 33 |
| 12/ 11 | 1.1 | 4.0 | | 42 | 42 | 31 | 36 |
| 10/ 9 | .4 | 2.8 | .2 | 28 | 28 | 43 | 14 |
| / 7 | 1.4 | 1.6 | | 25 | 25 | 26 | 31 |
| 6/ 5 | 1.4 | .7 | | 18 | 18 | 26 | 24 |
| 4/ 3 | 1.1 | .5 | | 13 | 13 | 13 | 36 |
| 2/ 1 | .7 | 1.6 | | 19 | 19 | 11 | 35 |
| 0/ -1 | 3.0 | 1.7 | | 39 | 39 | 33 | 17 |
| -2/ -3 | 2.2 | .5 | | 22 | 22 | 36 | 10 |
| -4/ -5 | 3.0 | .1 | | 26 | 26 | 26 | 15 |
| -6/ -7 | 1.4 | .2 | | 14 | 14 | 12 | 22 |
| -8/ -9 | 1.3 | | | 11 | 11 | 13 | 25 |
| -10/-11 | 1.6 | | | 13 | 13 | 13 | 16 |
| -12/-13 | 1.3 | | | 11 | 11 | 11 | 28 |
| -14/-15 | 1.0 | | | 8 | 8 | 6 | 19 |
| -16/-17 | 1.1 | | | 9 | 9 | 9 | 15 |
| -18/-19 | .7 | | | 6 | 6 | 6 | 9 |
| -20/-21 | | | | | | | 6 |
| -22/-23 | | | | | | | 9 |

| | $\Sigma x$ | $\Sigma x^2$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature |
|---|---|---|---|---|---|---|
| [illegible] | | | | | | |
| [illegible] | | | | | | |
| [illegible] | | | | | | |
| [illegible] | | | | | | |

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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 FEB

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| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | OB | WB | OB | WB |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| -22/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| TOTAL | 34 | 46 | 30 | 5 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 831 | | 831 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 831 | | 831 | |

| F | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean Daily Maximum Temperature | | | | | | Mean Daily Minimum Temperature | | | | | | Mean Daily Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | |
| | 5319097 | 65851 | 79.231 | .324 | 831 | | | | | | | | | | | | | | | | | | |
| | 4551.8 | 1466 | 17.615 | .386 | 831 | | | 16.1 | | 67.5 | | | | | | | | | | | | | 84 |
| | 415301 | 13853 | 16.714 | .934 | 831 | | | 16.9 | | 71.6 | | | | | | | | | | | | | 84 |
| | 360983 | 10169 | 12.216 | .578 | 831 | | | 21.1 | | 78.5 | | | | | | | | | | | | | 84 |

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# PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-82 FEB



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | WB | DB | WB | DB |
| 44/ 43 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 42/ 41 | | | .4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | | |
| 4 / 39 | | | 1.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 4 | |
| 3 / 37 | | .2 | 1.4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 21 | 4 |
| 7 / 35 | | .8 | 4.2 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 28 | 43 |
| 34/ 33 | | .8 | 8.2 | .6 | | | | | | | | | | | | | | | | | | | | | | | | 79 | 79 | 57 | 57 |
| 32/ 31 | 1.8 | 5.8 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 65 | 65 | 66 |
| 30/ 29 | 1.0 | 4.3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | 54 | 57 |
| 28/ 27 | 1.4 | 2.9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 38 | 38 | 53 | 59 |
| 26/ 25 | 1.4 | 4.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 53 | 53 | 41 | 37 |
| 24/ 23 | .6 | 1.8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 38 | 37 |
| 22/ 21 | .1 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 21 | 4 |
| 20/ 19 | .4 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 16 | 27 |
| 18/ 17 | | 2.5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 17 | 27 |
| 16/ 15 | 2.3 | 2.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 40 | 31 |
| 14/ 13 | 1.1 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 25 | 22 |
| 12/ 11 | 1.3 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 36 | 31 |
| 10/ 9 | 1.2 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 27 | 26 |
| 8/ 7 | 1.1 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 31 | 23 |
| 6/ 5 | 1.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 26 | 19 |
| 4/ 3 | 1.4 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 21 | 34 |
| 2/ 1 | .7 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 16 | 37 |
| 0/ -1 | 2.5 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 28 | 21 |
| -2/ -3 | 2.5 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 32 | 21 |
| -4/ -5 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 30 | 11 |
| -6/ -7 | 1.9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 16 | 23 |
| -8/ -9 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 19 | 25 |
| -10/-11 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 29 |
| -12/-13 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 29 |
| -14/-15 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 16 |
| -16/-17 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 7 |
| -18/-19 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 5 | 6 | 11 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Max. | Min. | 1 | 2 | 3 | 4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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# PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK 73-82 FEB



| DB F | WET BULB TEMPERATURE DEPRESSION F 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 >30 | TOTAL OB | TOTAL WB |
|---|---|---|---|
| -24/-25 | | | 1 |
| -26/-27 | | | 5 |
| -28/-29 | | | 7 |
| TOTAL | 35.159.2 4.7 | 833 | 833 |
| | | 833 | 833 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 5356171. | 66167. | 79.510 | 9.809 | 833 | | | | | | | |
| Dew Point | 451603. | 14403. | 17.415 | 5.508 | 833 | 16.3 | 67.3 | | | | | 64 |
| Wet Bulb | 413237. | 13701. | 16.415 | 5.027 | 833 | 15.8 | 72.9 | | | | | 64 |
| Vapor Pressure | 358164. | 10040. | 12.116 | 4.919 | 833 | 21.8 | 78.6 | | | | | 64 |

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# PSYCHROMETRIC SUMMARY

72305C JAPE NEWENHAM AFS AK 73-82 FEB

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| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | OB | OB | | |
| 46/ 45 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 44/ 43 | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 42/ 41 | | | | .4 | .5 | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 3 | |
| 40/ 39 | | | 2.3 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 8 | 4 |
| 38/ 37 | | | 1.8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 14 | 7 |
| 36/ 35 | | .6 | 4.8 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | 53 | 53 | 31 | 12 |
| 34/ 33 | 1.4 | 2.7 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 72 | 38 |
| 32/ 31 | .5 | 4.3 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | 48 | 48 | 89 | 72 |
| 30/ 29 | .6 | 4.3 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 36 | 77 |
| 28/ 27 | 1.3 | 2.9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 56 | 81 |
| 26/ 25 | .8 | 4.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 38 | 65 |
| 24/ 23 | 1.4 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 41 | 57 |
| 22/ 21 | .7 | 2.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 21 | 41 |
| 20/ 19 | .6 | 3.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 16 | 32 |
| 18/ 17 | .6 | 2.5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 17 | 21 |
| 16/ 15 | .5 | 3.5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 31 | 16 |
| 14/ 13 | .2 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 24 | 17 |
| 12/ 11 | 1.4 | 1.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 29 | 20 | 12 |
| 10/ 9 | 1.2 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 26 | 32 |
| 8/ 7 | 1.5 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 26 | 34 |
| 6/ 5 | 1.3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 17 | 16 |
| 4/ 3 | 1.3 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 26 | 9 |
| 2/ 1 | 1.1 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 25 | 1 |
| 0/ -1 | 2.9 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 36 | 22 |
| -2/ -3 | 2.1 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 26 | 10 |
| -4/ -5 | 2.9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 29 | 32 |
| -6/ -7 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 19 | 22 |
| -8/ -9 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 12 | 23 |
| -10/-11 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 29 |
| -12/-13 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 18 |
| -14/-15 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 17 | 15 |
| -16/-17 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 10 |
| -18/-19 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 17 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N | Obs | Mean Monthly Temperature |
|---|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | | |
| Wet Bulb | | | | | | | |
| Dew Point | | | | | | | |

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# PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK 73-82 FEB



| DB °F | WET BULB TEMPERATURE DEPRESSION °F 0 1 2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-32 >32 | TOTAL DB & WB | TOTAL Dew Point °F |
|---|---|---|---|
| -22/-23 | | | 9 |
| -24/-25 | | | 6 |
| -26/-27 | | | 7 |
| -28/-29 | | | 1 |
| -32/-33 | | | 1 |
| TOTAL | 33.7 6.0 1.1 0.2 | 839 | 839 |
| | | 839 | 839 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No Obs | Median Value of Temperature >32°F | >42°F | >52°F | >62°F | >72°F | Tons |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 5276897. | 65893. | 78.511 | 8.023 | 839 | | | | | | |
| Dew Point | 973757. | 14863. | 17.715 | 8.821 | 839 | 15.9 | 63.5 | | | | 84 |
| Wet Bulb | 1313.5. | 14341. | 16.715 | 8.306 | 839 | 17.1 | 73.9 | | | | 84 |
| Dew Point | 374863. | 10177. | 12.117 | 9.319 | 839 | 23.5 | 77.9 | | | | 84 |

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# PSYCHROMETRIC SUMMARY

703160 CAPE NEWENHAM AFS AK 73-82 FEB

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WET BULB TEMPERATURE DEPRESSION (F)

| Temp. (F) | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|
| 44/ 43 | | | .4 | 3 | 3 | | |
| 42/ 41 | | .5 | .2 | 6 | 6 | 3 | |
| 40/ 39 | | 1.1 | 1.4 | 21 | 21 | 7 | |
| 38/ 37 | | 3.1 | | 26 | 26 | 17 | 12 |
| 36/ 35 | .6 | 6.1 | 2.0 | 73 | 73 | 76 | 13 |
| 34/ 33 | 2.1 | 7.8 | 1.0 | 106 | 108 | 98 | 32 |
| 32/ 31 | .6 | 4.6 | 1.8 | 59 | 59 | 85 | 102 |
| 30/ 29 | .4 | 2.3 | .7 | 28 | 28 | 41 | 64 |
| 28/ 27 | .7 | 3.6 | .5 | 40 | 40 | 40 | 59 |
| 26/ 25 | .5 | 1.7 | .5 | 23 | 23 | 39 | 34 |
| 24/ 23 | 1.3 | 1.7 | .4 | 28 | 28 | 34 | 34 |
| 22/ 21 | .2 | 2.1 | .5 | 24 | 24 | 24 | 59 |
| 20/ 19 | .5 | 5.7 | .6 | 57 | 57 | 77 | 23 |
| 18/ 17 | .5 | 3.6 | .1 | 35 | 35 | 53 | 24 |
| 16/ 15 | .1 | 1.8 | | 16 | 16 | 31 | 51 |
| 14/ 13 | .6 | 1.0 | | 13 | 13 | 16 | 28 |
| 12/ 11 | 1.7 | 2.0 | | 31 | 31 | 24 | 26 |
| 10/ 9 | .2 | 1.4 | | 14 | 14 | 20 | 43 |
| 8/ 7 | .8 | 1.2 | | 17 | 17 | 17 | 21 |
| 6/ 5 | .4 | 1.4 | | 15 | 15 | 21 | 21 |
| 4/ 3 | 1.3 | 2.1 | | 29 | 29 | 25 | 19 |
| 2/ 1 | 2.5 | 2.9 | | 45 | 45 | 41 | 17 |
| 0/ -1 | 2.5 | .6 | | 26 | 26 | 31 | 13 |
| -2/ -3 | 1.7 | .2 | | 16 | 16 | 21 | 15 |
| -4/ -5 | 2.6 | | | 22 | 22 | 22 | 34 |
| -6/ -7 | 1.2 | | | 10 | 10 | 10 | 22 |
| -8/ -9 | 1.2 | | | 10 | 10 | 10 | 27 |
| -10/-11 | 2.3 | | | 19 | 19 | 19 | 23 |
| -12/-13 | .7 | | | 6 | 6 | 6 | 10 |
| -14/-15 | 1.9 | | | 16 | 16 | 16 | 11 |
| -16/-17 | .4 | | | 3 | 3 | 3 | 10 |
| -18/-19 | | | | | | | 15 |
| -20/-21 | | | | | | | 18 |
| -22/-23 | | | | | | | 2 |

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# PSYCHROMETRIC SUMMARY

72335 CAPE NEWENHAM AFS AK 73-82 FEB

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| °F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 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+ | | |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| TOTAL | 29 | 56 | 0 | 41 | 0 | 0 | | | | | | | | | | | | | | | | | | | | 839 | 839 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 839 | 839 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean Monthly Maximum | Mean Monthly Minimum | Extreme Maximum | Extreme Minimum | Year |
|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 518519. | 65377. | 77.9 | 10.657. | 839 | | | | | |
| Dew Point | 507407. | 16165. | 19.2 | 15.382. | 839 | 12.8. | 50.3. | | | 84 |
| Wet Bulb | 456144. | 15122. | 18.0 | 14.831. | 839 | 13.8. | 57.7. | | | 84 |
| Vapor Pressure | 382759 | 11215. | 13.4 | 16.669 | 839 | 21.9 | 78.3 | | | 84 |

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# PSYCHROMETRIC SUMMARY

702350 CAPE NEWENHAM AFS AK 73-82 FEB

PAGE 1 1500-1700

| TEMP. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1-2 | 3-4 | TOTAL | [illegible] | TOTAL | [illegible] |
|---|---|---|---|---|---|---|---|
| 44/ 43 | | | .2 | 2 | 2 | | |
| 42/ 41 | | .5 | | 4 | 4 | 1 | |
| 40/ 39 | | 1.7 | .7 | 20 | 20 | 10 | 1 |
| 38/ 37 | | 1.5 | 1.0 | 20 | 20 | 10 | [illegible] |
| 36/ 35 | .9 | 6.9 | 1.6 | 76 | 76 | 72 | 17 |
| 34/ 33 | 1.6 | 8.3 | .5 | 64 | 64 | 59 | 35 |
| 32/ 31 | 1.6 | 5.3 | 1.5 | 68 | 68 | 64 | 96 |
| 30/ 29 | .2 | 2.9 | 1.2 | 35 | 35 | 44 | 57 |
| 28/ 27 | .9 | 2.6 | .1 | 29 | 29 | 36 | 66 |
| 26/ 25 | .2 | 2.5 | .5 | 26 | 26 | 32 | 33 |
| 24/ 23 | 1.2 | 3.2 | .2 | 38 | 39 | 36 | 33 |
| 22/ 21 | 1.2 | 2.9 | .2 | 35 | 35 | 40 | 40 |
| 20/ 19 | .1 | 3.5 | .4 | 32 | 32 | 27 | 29 |
| 18/ 17 | .2 | 3.5 | | 30 | 30 | 35 | 27 |
| 16/ 15 | .5 | 2.6 | | 25 | 25 | 35 | 31 |
| 14/ 13 | .5 | 1.2 | | 14 | 14 | 19 | 23 |
| 12/ 11 | 1.4 | 3.0 | | 35 | 35 | 35 | 24 |
| 10/ 9 | .9 | 1.0 | | 15 | 15 | 29 | 27 |
| 8/ 7 | .5 | .7 | | 10 | 10 | 10 | 24 |
| 6/ 5 | .6 | 1.9 | | 20 | 20 | 24 | 22 |
| 4/ 3 | .4 | 2.7 | | 25 | 25 | 23 | 16 |
| 2/ 1 | 2.9 | 4.0 | | 55 | 55 | 39 | 18 |
| 0/ -1 | 3.5 | | | 28 | 28 | 46 | 10 |
| -2/ -3 | 1.6 | | | 13 | 13 | 13 | 25 |
| -4/ -5 | 2.4 | | | 19 | 19 | 19 | 30 |
| -6/ -7 | .5 | | | 4 | 4 | 4 | 28 |
| -8/ -9 | .9 | | | 7 | 7 | 7 | 20 |
| -10/-11 | 2.1 | | | 17 | 17 | 17 | 17 |
| -12/-13 | 1.1 | | | 9 | 9 | 9 | 5 |
| -14/-15 | .7 | | | 6 | 6 | 6 | 9 |
| -16/-17 | .5 | | | 4 | 4 | 4 | 9 |
| -18/-19 | .1 | | | 1 | 1 | 1 | 12 |
| -20/-21 | | | | | | | 11 |
| -22/-23 | | | | | | | 6 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |
|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | |
| Dry Bulb | | | | | | |
| Wet Bulb | | | | | | |
| Dew Point | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72335C CAPE NEWENHAM AFS, AK 73-82 ES=



| | WET BULB TEMPERATURE DEPRESSION F | TOTAL DB WB | TOTAL |
|---|---|---|---|
| -24/-25 | | | 4 |
| -26/-29 | | | 1 |
| TOTAL | 29.362.4 8.3 | 806 | 806 |
| | | 806 | 806 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | | | |
|---|---|---|---|---|---|---|---|---|
| | 5064263. | 63319. | 78.610.571 | | 806 | | | |
| | 477514. | 15512. | 19.214.211 | | 806 | 11.3 | 62.5 | 84 |
| | 43.736. | 14592. | 18.114.364 | | 806 | 13.3 | 68.9 | 84 |
| | 36.265. | 10957. | 13.616.202 | | 806 | 21.6 | 78.5 | 84 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

70330 CAPE NEWENHAM AFS AK 73-82 FEB

PAGE 1 1800-2000

| Temp °F | WET BULB TEMPERATURE DEPRESSION °F 0 | 1-2 | 3 4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | TOTAL DB | TOTAL WB | TOTAL D-B | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42/ 41 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | | |
| 40/ 39 | | 2.3 | .3 | | | | | | | | | | | | | | | 15 | 15 | 3 | |
| 38/ 37 | | 3.3 | .2 | | | | | | | | | | | | | | | 22 | 22 | 16 | 6 |
| 36/ 35 | .9 | 4.9 | 1.4 | | | | | | | | | | | | | | | 46 | 46 | 35 | 24 |
| 34/ 33 | 1.4 | 7.6 | .9 | | | | | | | | | | | | | | | 63 | 63 | 45 | 24 |
| 32/ 31 | 3.2 | 7.2 | | | | | | | | | | | | | | | | 65 | 65 | 76 | 78 |
| 30/ 29 | .5 | 2.7 | .6 | | | | | | | | | | | | | | | 24 | 24 | 43 | 39 |
| 28/ 27 | 1.7 | 2.2 | .2 | | | | | | | | | | | | | | | 26 | 26 | 24 | 38 |
| 26/ 25 | .3 | 2.2 | .3 | | | | | | | | | | | | | | | 18 | 18 | 16 | 36 |
| 24/ 23 | .8 | 3.2 | .3 | | | | | | | | | | | | | | | 26 | 26 | 32 | 49 |
| 22/ 21 | 1.1 | 1.7 | | | | | | | | | | | | | | | | 18 | 18 | 29 | 21 |
| 20/ 19 | 1.3 | 3.6 | | | | | | | | | | | | | | | | 31 | 31 | 14 | 19 |
| 18/ 17 | | 3.6 | .2 | | | | | | | | | | | | | | | 24 | 24 | 27 | 21 |
| 16/ 15 | .3 | 2.7 | .2 | | | | | | | | | | | | | | | 20 | 20 | 30 | 42 |
| 14/ 13 | .9 | 2.7 | | | | | | | | | | | | | | | | 23 | 23 | 14 | 21 |
| 12/ 11 | 1.1 | 1.6 | | | | | | | | | | | | | | | | 17 | 17 | 24 | 45 |
| 10/ 9 | 2.2 | 3.0 | | | | | | | | | | | | | | | | 33 | 33 | 31 | 29 |
| 8/ 7 | .9 | 1.1 | | | | | | | | | | | | | | | | 13 | 13 | 21 | 49 |
| 6/ 5 | 1.3 | 1.1 | | | | | | | | | | | | | | | | 15 | 15 | 16 | 18 |
| 4/ 3 | 1.3 | 1.7 | | | | | | | | | | | | | | | | 19 | 19 | 22 | 23 |
| 2/ 1 | 1.6 | 2.5 | | | | | | | | | | | | | | | | 26 | 26 | 16 | 22 |
| 0/ -1 | 5.3 | 1.9 | | | | | | | | | | | | | | | | 44 | 44 | 42 | 12 |
| -2/ -3 | 2.5 | | | | | | | | | | | | | | | | | 16 | 16 | 26 | 43 |
| -4/ -5 | 1.1 | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 46 |
| -6/ -7 | 1.3 | | | | | | | | | | | | | | | | | 8 | 8 | 6 | 30 |
| -8/ -9 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 26 |
| -10/-11 | .5 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 |
| -12/-13 | .5 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 4 |
| -14/-15 | .5 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 12 |
| -16/-17 | .5 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 4 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 3 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | 7 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 1 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 1 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Max | Min | Mean Temperature |
|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | |
| Dry Bulb | | | | | | | | |
| Wet Bulb | | | | | | | | |
| Dew Point | | | | | | | | |

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# PSYCHROMETRIC SUMMARY

723150 CAPE NEWENHAM AFS AK 73-32 FEB

PAGE 2 1800-2300

| DRY BULB TEMP F | WET BULB TEMPERATURE DEPRESSION F 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | >32 | TOTAL DB & WB | TOTAL WET BULB | TOTAL DEW POINT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 32.8 | 62.7 | 4.6 | | | | | | | | | | | | | | | | 635 | 635 | |
| | | | | | | | | | | | | | | | | | | | 635 | 635 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Minimum | Maximum | Total |
|---|---|---|---|---|---|---|---|---|
| Rel Hum | 4116530. | 50690. | 79.8 | 10.665 | 635 | | | |
| Dry Bulb | 363542. | 12286. | 19.3 | 14.068 | 635 | 11.8 | 64.4 | 04 |
| Wet Bulb | 332273. | 11653. | 18.4 | 13.667 | 635 | 13.1 | 73.9 | 04 |
| Dew Point | 279389. | 8931. | 14.1 | 15.578 | 635 | 19.6 | 78.2 | 64 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK 75-82 FEB

PAGE 1 2100-2300

| WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL OBS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1-2 | 3-4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| 44/ 43 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 42/ 41 | | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 6 | |
| 4 / 39 | | 2.1 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 9 | 1 |
| 38/ 37 | .2 | 3.5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 18 | 9 |
| 36/ 35 | .5 | 5.4 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 28 | 19 |
| 34/ 33 | 2.1 | 6.9 | .9 | | | | | | | | | | | | | | | | | | | | | | | | 56 | 56 | 52 | 17 |
| 32/ 31 | 3.3 | 7.6 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 65 | 72 |
| 30/ 29 | .5 | 1.8 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 43 | 33 |
| 28/ 27 | 1.4 | 3.7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 24 | 24 |
| 26/ 25 | .4 | 3.0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 26 | 32 |
| 24/ 23 | 1.4 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 26 | 19 |
| 22/ 21 | .5 | 1.4 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 14 | 8 |
| 20/ 19 | 1.2 | 3.0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 18 | 12 |
| 18/ 17 | .4 | 3.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 16 | 8 |
| 16/ 15 | .4 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 22 | 14 |
| 14/ 13 | .7 | 3.9 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 18 | 7 |
| 12/ 11 | .4 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 24 | 10 |
| 10/ 9 | .7 | 3.7 | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 16 | 26 |
| 8/ 7 | 1.2 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 27 | 11 |
| 6/ 5 | 1.1 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 16 | 9 |
| 4/ 3 | .4 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 9 | 11 |
| 2/ 1 | 2.3 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 19 | 29 |
| 0/ -1 | 4.0 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 28 | 13 |
| -2/ -3 | 3.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 32 | 11 |
| -4/ -5 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 11 | 7 |
| -6/ -7 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 11 |
| -8/ -9 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -12/-13 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 6 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| -16/-17 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| -18/-19 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Median Value for Given Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0 F | 32 F | 40 F | 50 F | 60 F | Total |
| Dry Bulb | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK 75-82 FEB

PAGE 1 2100-2300

| TEMP F | WET BULB TEMPERATURE DEPRESSION F | TOTAL DB WB OBS | TOTAL WET BULB OBS |
|---|---|---|---|
| | 0 1 2 3 4 5 6 7 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 | | | 1 |
| TOTAL | 30.963.4 5.6 | 569 | 569 |
| | | 569 | 569 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of M Hours with Temperature | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3692616. | 45306. | 79.811 | .292 | 569 | | | | | | | |
| Dry Bulb | 343461. | 11395. | 20.018 | .245 | 569 | 12.0 | 63.3 | | | | | 84 |
| Wet Bulb | 315519. | 10739. | 19.013 | .625 | 569 | 12.7 | 68.8 | | | | | 84 |
| Dew Point | 265768 | 8360 | 14.715 | .864 | 569 | 18.2 | 77.2 | | | | | 84 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7-3056 CAPE NEWENHAM AFS AK 73-82 FEB



ALL

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | OB | WB | DB | WB |
| 49/ 46 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 48/ 43 | | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | | |
| 42/ 41 | | | .4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 15 | |
| 40/ 39 | | | 1.3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | 147 | 147 | 50 | 7 |
| 38/ 37 | | .1 | 2.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 163 | 163 | 142 | 58 |
| 36/ 35 | | .6 | 5.7 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | 458 | 458 | 240 | 105 |
| 34/ 33 | | 1.5 | 7.6 | .8 | | | | | | | | | | | | | | | | | | | | | | | | 610 | 610 | 553 | 225 |
| 32/ 31 | | 1.7 | 5.7 | .9 | | | | | | | | | | | | | | | | | | | | | | | | 512 | 512 | 602 | 647 |
| 30/ 29 | | .7 | 3.5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 299 | 299 | 395 | 432 |
| 28/ 27 | | 1.2 | 3.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 272 | 272 | 340 | 309 |
| 26/ 25 | | .8 | 2.9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 244 | 244 | 271 | 241 |
| 24/ 23 | | 1.1 | 1.9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 195 | 195 | 266 | 248 |
| 22/ 21 | | .5 | 1.8 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 160 | 160 | 167 | 276 |
| 20/ 19 | | .5 | 3.5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 257 | 257 | 169 | 243 |
| 18/ 17 | | .4 | 3.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 218 | 218 | 272 | 156 |
| 16/ 15 | | .7 | 3.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 227 | 227 | 248 | 162 |
| 14/ 13 | | .7 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | 178 | 178 | 192 | 173 |
| 12/ 11 | | 1.2 | 2.4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 228 | 228 | 223 | 244 |
| 10/ 9 | | .8 | 2.3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 191 | 191 | 234 | 234 |
| 8/ 7 | | 1.1 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | 163 | 163 | 197 | 197 |
| 6/ 5 | | .9 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | 116 | 116 | 169 | 164 |
| 4/ 3 | | 1.0 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | 154 | 154 | 152 | 205 |
| 2/ 1 | | 1.6 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | 249 | 249 | 180 | 242 |
| 0/ -1 | | 3.1 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | 265 | 265 | 275 | 145 |
| -2/ -3 | | 2.3 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 167 | 167 | 226 | 115 |
| -4/ -5 | | 2.6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 167 | 167 | 174 | 191 |
| -6/ -7 | | 1.3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | 86 | 163 |
| -8/ -9 | | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 76 | 198 |
| -10/-11 | | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | 81 | 81 | 166 |
| -12/-13 | | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 58 | 117 |
| -14/-15 | | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | 76 | 76 | 116 |
| -16/-17 | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 39 | 70 |
| -18/-19 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 24 | 79 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 75 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | Number | Maximum | Minimum | Mean | Std Dev |
|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | | | | |
| Wet Bulb | | | | | | | | | |
| Dew Point | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703150 CAPE NEWENHAM AFS AK 73-82 FEB

PAGE 2 ALL

| WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| -30/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -32/-33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 32 | 46 | 13 | 6.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6130 | 6130 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | Maximum Value | Minimum Value | Range | Mode |
|---|---|---|---|---|---|---|---|---|---|
| | 3895160 | 484048 | 79.010 | .939 | 6130 | | | | |
| | 3505324 | 113156 | 18.515 | .201 | 6130 | 113.5 | 515.0 | | 672 |
| | 3186750 | 106862 | 17.414 | .704 | 6130 | 122.5 | 562.0 | | 672 |
| | 2726666 | 78362 | 13.016 | .647 | 6130 | 173.6 | 625.4 | | 672 |

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# PSYCHROMETRIC SUMMARY

23050 CAPE NEWENHAM AFS AK 73-82 MAR



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | WB | DB | WB | DB |
| 42/ | 41 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 40/ | 39 | | | .1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 38/ | 37 | | | 1.4 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 5 | |
| 36/ | 35 | | | 4.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 27 | 3 |
| 34/ | 33 | 1.1 | 9.1 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 88 | .9 |
| 32/ | 31 | 3.6 | 14.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 161 | 161 | 175 | 1.4 |
| 30/ | 29 | 2.5 | 6.9 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | 148 | .9 |
| 28/ | 27 | 2.1 | 4.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 59 | 59 | 74 | 1.2 |
| 26/ | 25 | .8 | 1.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 43 | .73 |
| 24/ | 23 | .8 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 31 | .59 |
| 22/ | 21 | .6 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 70 | .50 |
| 20/ | 19 | 1.4 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 29 | .50 |
| 18/ | 17 | 1.0 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 29 | .37 |
| 16/ | 15 | .8 | 2.9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 36 | .30 |
| 14/ | 13 | 1.0 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 21 | .24 |
| 12/ | 11 | 1.0 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 25 | .28 |
| 10/ | 9 | 1.3 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 70 | .34 |
| 8/ | 7 | .3 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 16 | .19 |
| 6/ | 5 | 1.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 24 | .6 |
| 4/ | 3 | 2.2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 26 | .16 |
| 2/ | 1 | 2.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 24 | .15 |
| 0/ | -1 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 16 | .26 |
| -2/ | -3 | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 15 | .18 |
| -4/ | -5 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 6 | .2 |
| -6/ | -7 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | .6 |
| -8/ | -9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | .7 |
| -10/ | -11 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | .4 |
| -12/ | -13 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | .12 |
| -14/ | -15 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | .3 |
| -16/ | -17 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | .4 |
| -18/ | -21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .8 |
| -22/ | -23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .3 |
| -24/ | -25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Max | Min | 1 mm | 1 inch | Trace | Mode |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WB | | | | | | | | | | | |
| DB | | | | | | | | | | | |
| DEW PT | | | | | | | | | | | |
| WET BULB | | | | | | | | | | | |
| VAPOR PR | | | | | | | | | | | |

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# PSYCHROMETRIC SUMMARY

723050 CAPE NEWENHAM AFS AK 73-82 MAR

PAGE 3 0000-0259

WET BULB TEMPERATURE DEPRESSION F

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | >31 | TOTAL DB WB | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 29 | 864 | 8 | 5.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 870 | 870 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs | Maximum Hourly Temperature F | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 6106996. | 72486. | 83.3 | 8.824 | 870 | | | | | | | |
| Dew Point | 589839. | 19935. | 22.912 | .440 | 870 | 5.8 | 72.8 | | | | | ≠3 |
| Wet Bulb | 543846. | 19362. | 21.912 | .050 | 870 | 5.4 | 83.2 | | | | | ≥3 |
| Dew Point | 455712. | 16126. | 18.513 | .433 | 870 | 13.0 | 83.6 | | | | | ≤3 |

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# PSYCHROMETRIC SUMMARY

702060 CAPE NEWENHAM AFS AK 73-82 MAR



| DRY BULB | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | | | |
| 40/ 39 | | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 38/ 37 | | | 1.9 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 4 | |
| 36/ 35 | | | 5.7 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 59 | 59 | 72 | 2 |
| 34/ 33 | | .3 | 11.4 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 113 | 114 | 96 | 40 |
| 32/ 31 | | 1.3 | 12.1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 126 | 126 | 119 | 113 |
| 30/ 29 | | 2.2 | 8.3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 99 | 99 | 172 | 68 |
| 28/ 27 | | 2.4 | 4.0 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 90 | 114 |
| 26/ 25 | | .8 | 3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 44 | 63 |
| 24/ 23 | | .3 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 32 | 47 |
| 22/ 21 | | .7 | 2.5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 27 | 36 |
| 20/ 19 | | .7 | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 31 | 29 |
| 18/ 17 | | 1.1 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | 40 | 33 | 20 |
| 16/ 15 | | .3 | 3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 42 | 31 |
| 14/ 13 | | 1.0 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 26 | 17 |
| 12/ 11 | | 2.1 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 30 | 47 |
| 10/ 9 | | 1.1 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 20 | 25 |
| 8/ 7 | | 1.1 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 16 | 31 |
| 6/ 5 | | .1 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 22 | 16 |
| 4/ 3 | | 1.2 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 25 | 13 |
| 2/ 1 | | 2.1 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 35 | 17 |
| 0/ -1 | | 2.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 27 | 22 |
| -2/ -3 | | 1.2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 14 | 27 |
| -4/ -5 | | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 12 | 20 |
| -6/ -7 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 16 |
| - 8/ -9 | | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 6 | 14 |
| -10/-11 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 13 |
| -12/-13 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 11 |
| -14/-15 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 40 |
| -16/-17 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No Obs | Mean Wet Bulb Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 0-6 F | 7-12 F | 13-18 F | 19-24 F | 25-30 F | 31-36 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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# PSYCHROMETRIC SUMMARY

723050 CAPE NEWENHAM AFS AK 73-82 MAR

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| TEMP F | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | TOTAL DB & WB | TOTAL DB - DPT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 25.769.9 | 4.4 | | | | | | | | | | | | | | | | 915 | 914 |
| | | | | | | | | | | | | | | | | | | 914 | 914 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Most Negative Temperature | | | | | | Most Positive Temperature | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DB | 622235. | 74951. | 82.0 | 9.133 | 914 | | | | | | | | | | | | | |
| DPT | 592757. | 70101. | 22.0 | 12.861 | 915 | 7.1 | 72.4 | | | | | | | | | | | 93 |
| WB | 584929. | 19149. | 21.0 | 12.460 | 914 | 8.1 | 80.9 | | | | | | | | | | | 93 |
| Dew Pt | 45561. | 15773. | 17.3 | 18.055 | 914 | 16.1 | 90.9 | | | | | | | | | | | 93 |

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# PSYCHROMETRIC SUMMARY

72356 CAPE NEWENHAM AFS AK 73-82 MAR



| DB °F | WET BULB TEMPERATURE DEPRESSION °F 1 | 2 | 3 | 4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | TOTAL OBS | TOTAL OBS | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40/ 39 | | | .2 | .2 | | | | | | | | | | | | | | | 4 | 4 | | |
| 38/ 37 | | | 2.6 | .3 | | | | | | | | | | | | | | | 27 | 27 | 5 | |
| 36/ 35 | | .2 | 4.7 | 1.0 | | | | | | | | | | | | | | | 54 | 54 | 71 | 3 |
| 34/ 33 | | .3 | 11.2 | .5 | | | | | | | | | | | | | | | 100 | 100 | 76 | 23 |
| 32/ 31 | | 2.0 | 13.2 | .8 | | | | | | | | | | | | | | | 146 | 146 | 113 | 113 |
| 30/ 29 | | 2.4 | 5.6 | .3 | | | | | | | | | | | | | | | 78 | 78 | 172 | 65 |
| 28/ 27 | | 2.3 | 4.1 | .3 | | | | | | | | | | | | | | | 62 | 62 | 66 | 42 |
| 26/ 25 | | .7 | 3.1 | .1 | | | | | | | | | | | | | | | 35 | 35 | 79 | 70 |
| 24/ 23 | | .3 | 2.6 | | | | | | | | | | | | | | | | 27 | 27 | 36 | 36 |
| 22/ 21 | | .9 | 2.4 | | | | | | | | | | | | | | | | 30 | 30 | 37 | 45 |
| 20/ 19 | | .8 | 2.6 | | | | | | | | | | | | | | | | 31 | 31 | 24 | 28 |
| 18/ 17 | | .4 | 3.4 | | | | | | | | | | | | | | | | 35 | 35 | 30 | 25 |
| 16/ 15 | | .8 | 4.0 | | | | | | | | | | | | | | | | 44 | 44 | 47 | 33 |
| 14/ 13 | | .1 | 1.2 | | | | | | | | | | | | | | | | 12 | 12 | 17 | 27 |
| 12/ 11 | | 1.2 | 1.3 | | | | | | | | | | | | | | | | 23 | 23 | 27 | 40 |
| 10/ 9 | | 1.3 | 1.3 | | | | | | | | | | | | | | | | 24 | 24 | 25 | 29 |
| 8/ 7 | | .9 | 1.2 | | | | | | | | | | | | | | | | 19 | 19 | 20 | 22 |
| 6/ 5 | | 1.0 | 1.7 | | | | | | | | | | | | | | | | 25 | 25 | 26 | 13 |
| 4/ 3 | | 1.3 | 1.6 | | | | | | | | | | | | | | | | 27 | 27 | 26 | 16 |
| 2/ 1 | | 1.3 | 2.4 | | | | | | | | | | | | | | | | 34 | 34 | 32 | 21 |
| 0/ -1 | | 2.6 | .1 | | | | | | | | | | | | | | | | 25 | 25 | 24 | 19 |
| -2/ -3 | | 1.2 | .3 | | | | | | | | | | | | | | | | 12 | 12 | 13 | 23 |
| -4/ -5 | | 1.2 | .2 | | | | | | | | | | | | | | | | 13 | 13 | 15 | 27 |
| -6/ -7 | | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 12 |
| -8/ -9 | | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 21 |
| -10/-11 | | 1.0 | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 13 |
| -12/-13 | | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 11 |
| -14/-15 | | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 7 |
| -16/-17 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 10 |
| -18/-19 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | 2 |

| Element | $\Sigma x$ | $\Sigma x^2$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean Monthly Maximum Temperature |
|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | |
| Wet Bulb | | | | | | |
| Dew Point | | | | | | |

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# PSYCHROMETRIC SUMMARY

72306 CAPE NEWENHAM AFS AK 73-82 MAR



| WET BULB TEMPERATURE DEPRESSION F | TOTAL | TOTA |
|---|---|---|
| 21/-29 | | 1 |
| TOTAL 26.17.3. 3.6. | 917 | 916 |
| | 916 | 916 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | | | |
|---|---|---|---|---|---|---|---|---|
| | 6202467. | 74893. | 81.8 | 9.300. | 916 | | | |
| | 582763. | 13765. | 21.612 | .998. | 917 | 8.2. | 74.2. | 93 |
| | 532563. | 14825. | 20.612 | .618. | 916 | 9.7. | 81.4. | 93 |
| | 485705. | 15387. | 16.818 | .305 | 916 | 15.2 | 97.4 | 93 |

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# PSYCHROMETRIC SUMMARY

73-82

MAR

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| WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 40/ 39 | | | .3 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 1 | |
| 38/ 37 | | | 3.6 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 6 | |
| 36/ 35 | | .4 | 4.0 | .8 | | | | | | | | | | | | | | | | | | | | | | | 46 | 48 | 57 | 5 |
| 34/ 33 | | 1.4 | 9.7 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | 115 | 115 | 63 | 22 |
| 32/ 31 | | 2.9 | 14.7 | .6 | | | | | | | | | | | | | | | | | | | | | | | 169 | 169 | 132 | 1.9 |
| 30/ 29 | | 1.2 | 4.3 | .4 | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 173 | 98 |
| 28/ 27 | | 1.4 | 3.5 | .1 | | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 55 | 1.3 |
| 26/ 25 | | .5 | 2.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 32 | 79 |
| 24/ 23 | | .4 | 3.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 38 | 54 |
| 22/ 21 | | .6 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 39 | 28 |
| 20/ 19 | | 1.1 | 3.1 | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 40 | 32 |
| 18/ 17 | | .3 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 29 | 41 |
| 16/ 15 | | .1 | 3.8 | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 32 | 34 |
| 14/ 13 | | 1.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 34 | 17 |
| 12/ 11 | | 1.1 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | 26 | 28 | 26 | 33 |
| 10/ 9 | | .8 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | 20 | 22 | 24 | 30 |
| 8/ 7 | | 1.1 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 23 | 32 |
| 6/ 5 | | .6 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 22 | 19 |
| 4/ 3 | | .8 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 23 | 20 |
| 2/ 1 | | .9 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 24 | 19 |
| 0/ -1 | | 1.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 26 | 18 |
| -2/ -3 | | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 11 | 23 |
| -4/ -5 | | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 9 | 21 |
| -6/ -7 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 16 |
| -8/ -9 | | .8 | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 12 |
| -10/-11 | | .8 | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 13 |
| -12/-13 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 8 |
| -14/-15 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 4 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -30/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| | $\Sigma x$ | $\Sigma x^2$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean Hourly Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

725350 CAPE NEWENHAM AFS AK 73-82 MAR

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| WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 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 °F | WB °F |
| TOTAL | 22. | 47. | 16. | 5. | 8 | .2 | | | | | | | | | | | | | | | | | | | | | 925 | 925 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean Max. | Mean Min. | |
|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 6176414. | 75010. | 81.110 | 8.071 | 925 | | | |
| Dew Point | 5266.7. | 21167. | 22.912 | 4.407 | 925 | 5.9 | 70.8 | x3 |
| Wet Bulb | 571364. | 20124. | 21.812 | 4.122 | 925 | 6.9 | 78.2 | x3 |
| Vapor Pressure | 47.336. | 16532. | 17.913 | 6.635 | 925 | 13.8 | 89.3 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 MAR



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | | | |
| 48/ 47 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 46/ 45 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 44/ 43 | | | | | .2 | .2 | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 42/ 41 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| 4 / 39 | | | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 3 | |
| 38/ 37 | | | 3.2 | .8 | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 9 | |
| 36/ 35 | | .1 | 6.9 | 1.5 | | | | | | | | | | | | | | | | | | | | | | 79 | 80 | 47 | 5 |
| 34/ 33 | | 2.2 | 12.1 | 1.5 | | | | | | | | | | | | | | | | | | | | | | 146 | 146 | 109 | 43 |
| 32/ 31 | | 2.9 | 12.5 | 1.0 | | | | | | | | | | | | | | | | | | | | | | 152 | 152 | 157 | 153 |
| 30/ 29 | | 1.1 | 4.8 | .3 | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 107 | 119 |
| 28/ 27 | | 1.0 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 46 | 93 |
| 26/ 25 | | .9 | 3.9 | .3 | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 55 | 84 |
| 24/ 23 | | .1 | 2.7 | .2 | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 39 | 33 |
| 22/ 21 | | .5 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 42 | 43 |
| 2 / 19 | | .9 | 3.3 | .4 | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 24 | 36 |
| 18/ 17 | | .3 | 2.5 | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 40 | 26 |
| 16/ 15 | | .6 | 2.9 | .1 | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 27 | 37 |
| 14/ 13 | | .8 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 33 | 26 |
| 12/ 11 | | .9 | 2.0 | .1 | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 25 | 29 |
| 10/ 9 | | .5 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 29 | 26 |
| 8/ 7 | | .8 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 25 | 27 |
| 6/ 5 | | .8 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 23 | 26 |
| 4/ 3 | | .6 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 21 | 25 |
| 2/ 1 | | 1.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 23 | 23 |
| 0/ -1 | | .9 | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 13 | 22 |
| -2/ -3 | | .3 | .4 | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 5 | 24 |
| -4/ -5 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 4 | 19 |
| -6/ -7 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 10 |
| -8/ -9 | | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 5 |
| -10/-11 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 12 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | Mean Monthly Temperature |
|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | |
| Wet Bulb | | | | | | |
| Dew Point | | | | | | |

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# PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK 73-82 MAR

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WET BULB TEMPERATURE DEPRESSION F

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| -0/-29 | | | | | | 929 | 926 |
| TOTAL | 19.4 | 73.4 | 6.7 | .3 | .2 | 928 | 926 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | Total |
|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6179176. | 75082. | 80.910 | .617 | 928 | | | |
| Dry Bulb | 676436. | 22626. | 24.411 | .623 | 929 | 3.5 | 65.3 | 93 |
| Wet Bulb | 612673. | 21425. | 23.111 | .264 | 928 | 4.0 | 75.1 | 93 |
| Dew Point | 501994 | 17828 | 19.213 | .117 | 928 | 11.5 | 38.2 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703950 CAPE NEWENHAM AFS AK 73-82 MAR



| DB °F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL WBS | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1-2 | 3 | 4 | 5-6 | 7-8 | 9-10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | | | |
| 47/ 45 | | | | | .2 | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 44/ 43 | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 42/ 41 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 40/ 39 | | | .2 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 4 | |
| 38/ 37 | | 4.0 | | .3 | | | | | | | | | | | | | | | | | | | | | | 40 | 40 | 7 | |
| 36/ 35 | | 7.9 | | .4 | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 51 | 5 |
| 34/ 33 | 2.6 | 11.8 | | .5 | | | | | | | | | | | | | | | | | | | | | | 138 | 138 | .25 | 34 |
| 32/ 31 | 3.5 | 11.3 | | .9 | | | | | | | | | | | | | | | | | | | | | | 145 | 145 | 147 | 173 |
| 30/ 29 | 1.6 | 4.6 | | .9 | | | | | | | | | | | | | | | | | | | | | | 56 | 56 | .12 | 142 |
| 28/ 27 | 1.2 | 3.7 | | .1 | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 94 | 89 |
| 26/ 25 | .6 | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 43 | 51 |
| 24/ 23 | .4 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 46 | 38 |
| 22/ 21 | .2 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 71 | 52 |
| 20/ 19 | 1.3 | 4.2 | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 35 | 32 |
| 18/ 17 | .8 | 2.7 | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 50 | 63 |
| 16/ 15 | .5 | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 35 | 47 |
| 14/ 13 | .3 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 20 | 24 |
| 12/ 11 | .4 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 15 | 21 |
| 10/ 9 | 1.2 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 45 | 44 |
| 8/ 7 | .9 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 14 | 43 |
| 6/ 5 | 1.3 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 26 | 47 |
| 4/ 3 | .8 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 27 | 33 |
| 2/ 1 | .6 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 16 | 29 |
| 0/ -1 | 1.0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 14 | 20 |
| -2/ -3 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 19 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 18 |
| -6/ -7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 11 |
| -8/ -9 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 8 | 5 | 5 |
| -10/-11 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 |
| -12/-13 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 6 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| Element | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Max | Min | Mean | Std Dev | Range |
|---|---|---|---|---|---|---|---|---|---|---|
| WB °F | | | | | | | | | | |
| DB °F | | | | | | | | | | |
| WBD °F | | | | | | | | | | |
| Dew Point | | | | | | | | | | |

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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 MAR

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WET BULB TEMPERATURE DEPRESSION F

| F | 0 | 1 | 2 | 3 | 4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31+ | TOTAL OBS | TOTAL MEAN DEP F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 2 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 21 | 0 | 7 | 4 | .3 | .2 | | .4 | | | | | | | | | | | | 927 | 9.7 |
| | | | | | | | | | | | | | | | | | | | | 927 | 9.7 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No Obs | Mean No of Hours with Temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | <32 F | <32 F | <45 F | <45 F | <50 F | <50 F | <55 F | <55 F |
| Dry Bulb | 6302730. | 75846. | 81.810 | .240 | 927 | | | | | | | | |
| Dew Point | 672155. | 22541. | 24.311 | .574 | 927 | | 3.2 | | 65.8 | | | | x3 |
| Wet Bulb | 614092. | 21460. | 23.111 | .255 | 927 | | 3.7 | | 74.4 | | | | 93 |
| Vap Press | 506471. | 18741. | 19.513 | .236 | 927 | | 10.2 | | 88.7 | | | | x3 |

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# PSYCHROMETRIC SUMMARY

73830 CAPE NEWENHAM AFS AK 73-82 MAR

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| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44/ 42 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 41/ 39 | | | .5 | .4 | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 6 | |
| 38/ 37 | | | 1.8 | .2 | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 6 | 2 |
| 36/ 35 | | .4 | 6.3 | .6 | | | | | | | | | | | | | | | | | | | | | | 60 | 60 | 23 | 1 |
| 34/ 32 | 1.8 | 11.6 | .5 | | | | | | | | | | | | | | | | | | | | | | | 114 | 114 | 96 | 33 |
| 33/ 31 | 3.8 | 11.6 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | 134 | 134 | 103 | 107 |
| 30/ 29 | 2.7 | 3.6 | .4 | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 103 | 65 |
| 28/ 27 | 2.1 | 4.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 61 | 76 |
| 26/ 25 | 1.2 | 3.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 47 | 58 |
| 24/ 23 | .1 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 27 | 33 |
| 22/ 21 | 1.5 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 24 | 35 |
| 20/ 19 | 2.3 | 4.2 | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 76 | 42 |
| 18/ 17 | .6 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 76 | 24 |
| 16/ 15 | .9 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 23 | 28 |
| 14/ 13 | .5 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 22 | 29 |
| 12/ 11 | .5 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 16 | 17 |
| 10/ 9 | .5 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 19 | 26 |
| 8/ 7 | 1.9 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 31 | 18 |
| 6/ 5 | 1.2 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 25 | 21 |
| 4/ 3 | 1.6 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | 26 | 28 | 26 | 21 |
| 2/ 1 | .9 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 21 | 23 |
| 0/ -1 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 24 | 26 |
| -2/ -3 | .5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 8 | 26 |
| -4/ -5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 20 |
| -6/ -7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 14 |
| -8/ -9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 6 |
| -10/-11 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 8 |
| -12/-13 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 12 |
| -14/-15 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 28.7 | 67.8 | 3.4 | .1 | | | | | | | | | | | | | | | | | | | | | | | 822 | | 822 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 822 | | 822 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Min. | Max. | |
|---|---|---|---|---|---|---|---|---|
| Wet Bulb | 5699135. | 67925. | 82.610 | .249 | 822 | | | |
| Dry Bulb | 553060. | 18792. | 22.912 | .117 | 822 | 4.5 | 70.5 | 93 |
| Wet Bulb | 506766. | 17950. | 21.811 | .825 | 822 | 5.0 | 78.6 | 93 |
| Dew Point | 426738 | 15036 | 18.313 | .593 | 822 | 13.1 | 89.3 | 93 |

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# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-82 MAR

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WET BULB TEMPERATURE DEPRESSION (F)

| Temp. (F) | | | | Total D.B. | D.B. | W.B. | Dew Pt. |
|---|---|---|---|---|---|---|---|
| 42/ 41 | | .1 | | 1 | 1 | | |
| 40/ 39 | | .4 | .1 | 4 | 4 | 3 | 1 |
| 38/ 37 | | 1.2 | .8 | 15 | 15 | 2 | 2 |
| 36/ 35 | .3 | 6.6 | .7 | 56 | 56 | 17 | 1 |
| 34/ 33 | 2.2 | 9.5 | .3 | 88 | 88 | 92 | 39 |
| 32/ 31 | 3.4 | 13.4 | .3 | 126 | 126 | 98 | 76 |
| 30/ 29 | 3.5 | 5.5 | .8 | 73 | 73 | 114 | 68 |
| 28/ 27 | 3.8 | 3.6 | .1 | 56 | 56 | 63 | 42 |
| 26/ 25 | 1.4 | 2.3 | | 27 | 27 | 41 | 61 |
| 24/ 23 | .5 | 2.0 | | 19 | 19 | 27 | 41 |
| 22/ 21 | .9 | 1.5 | .1 | 19 | 19 | 20 | 27 |
| 20/ 19 | 1.6 | 3.1 | | 35 | 35 | 26 | 36 |
| 18/ 17 | 2.2 | 2.6 | .1 | 36 | 36 | 42 | 21 |
| 16/ 15 | 1.2 | 1.2 | | 18 | 18 | 20 | 30 |
| 14/ 13 | .8 | .9 | | 13 | 13 | 11 | 33 |
| 12/ 11 | .5 | 2.2 | | 20 | 20 | 17 | 15 |
| 10/ 9 | .5 | 1.1 | | 12 | 12 | 16 | 15 |
| 8/ 7 | 1.5 | 1.6 | | 23 | 23 | 21 | 11 |
| 6/ 5 | 1.4 | 1.5 | | 21 | 21 | 22 | 20 |
| 4/ 3 | 2.0 | .4 | | 18 | 18 | 19 | 25 |
| 2/ 1 | 2.0 | .9 | | 22 | 22 | 23 | 8 |
| 0/ -1 | 1.9 | | | 14 | 14 | 15 | 31 |
| -2/ -3 | .7 | | | 5 | 5 | 5 | 13 |
| -4/ -5 | .3 | | | 2 | 2 | 2 | 24 |
| -6/ -7 | .7 | | | 5 | 5 | 5 | 5 |
| -8/ -9 | | | | | | | 7 |
| -10/-11 | .1 | | | 1 | 1 | 1 | |
| -12/-13 | .4 | | | 3 | 3 | 3 | |
| -14/-15 | 1.1 | | | 8 | 8 | 8 | 4 |
| -16/-17 | | | | | | | 3 |
| -18/-19 | | | | | | | 3 |
| -20/-21 | | | | | | | 6 |
| TOTAL | 34.9 | 61.8 | 3.4 | 740 | 740 | 740 | 740 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | | | |
|---|---|---|---|---|---|---|---|---|
| | 5335711. | 62507. | 84.5 | 8.693. | 740 | | | |
| | 504348. | 17172. | 23.2 | 11.969. | 740 | 4.5. | 72.4. | 93 |
| | 468794. | 16514. | 22.3 | 11.648. | 740 | 4.9. | 78.7. | 93 |
| | 337344 | 14194 | 19.2 | 13.013 | 740 | 12.3 | 67.5 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 MAR



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | DATA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| 48/ 47 | | | | | | | | | .0 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 46/ 45 | | | | | | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 44/ 43 | | | | .0 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 42/ 41 | | | .0 | .1 | | | | | .0 | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 1 | |
| 40/ 39 | | | .3 | .5 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 13 | 1 |
| 38/ 37 | | | 2.5 | .7 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 229 | 229 | 46 | 4 |
| 36/ 35 | | .2 | 6.0 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 498 | 499 | 95 | 15 |
| 34/ 33 | | 1.5 | 13.7 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 908 | 939 | 755 | 204 |
| 32/ 31 | | 2.9 | 12.9 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1159 | 1159 | 1209 | 1206 |
| 30/ 29 | | 2.1 | 5.5 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 569 | 569 | 1001 | 763 |
| 28/ 27 | | 2.0 | 3.8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 424 | 425 | 526 | 768 |
| 26/ 25 | | .8 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 279 | 279 | 324 | 561 |
| 24/ 23 | | .4 | 2.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 189 | 189 | 276 | 271 |
| 22/ 21 | | .7 | 2.4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 223 | 223 | 440 | 278 |
| 20/ 19 | | 1.2 | 3.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 306 | 306 | 470 | 264 |
| 18/ 17 | | .8 | 2.9 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 262 | 262 | 291 | 247 |
| 16/ 15 | | .6 | 2.9 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 250 | 250 | 257 | 270 |
| 14/ 13 | | .7 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 147 | 147 | 153 | 227 |
| 12/ 11 | | 1.0 | 1.6 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 186 | 186 | 190 | 230 |
| 10/ 9 | | .9 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 170 | 170 | 200 | 240 |
| 8/ 7 | | 1.0 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 175 | 175 | 175 | 161 |
| 6/ 5 | | .9 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 185 | 185 | 193 | 148 |
| 4/ 3 | | 1.3 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 165 | 165 | 197 | 169 |
| 2/ 1 | | 1.4 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 219 | 219 | 199 | 147 |
| 0/ -1 | | 1.5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 127 | 127 | 166 | 194 |
| -2/ -3 | | .7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 76 | 160 |
| -4/ -5 | | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | 48 | 54 | 171 |
| -6/ -7 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 28 | 100 |
| -8/ -9 | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 41 | 77 |
| -10/-11 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 33 | 68 |
| -12/-13 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 29 | 63 |
| -14/-15 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 26 | 50 |
| -16/-17 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 47 |
| -18/-19 | | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 26 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | N | Obs | Max | Min | Mean | Std Dev | Skew |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 MAR

PAGE 2 ALL

| F | WET BULB TEMPERATURE DEPRESSION F 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31+ | TOTAL OBS | TOTAL OBS |
|---|---|---|---|
| -20/-21 | | | 2 |
| -22/-23 | | | 12 |
| -24/-25 | | | 11 |
| -26/-27 | | | 3 |
| -28/-29 | | | 3 |
| -30/-31 | | | 1 |
| TOTAL | 25.769.5 4.7 .1 .7 | 7245 | 7242 |
| | | 7242 | 7242 |

| | $\Sigma x$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | Min Max | Mean Temperature | |
|---|---|---|---|---|---|---|---|---|
| | 452263.4 | 5787.0 | 62.2 | 9.743 | 7242 | | | |
| | 47935.5 | 162367 | 23.0 | 12.295 | 7245 | 43.2 563.5 | | 748 |
| | 439307 | 154509 | 21.9 | 11.935 | 7242 | 49.2 528.3 | | 748 |
| | 366.867 | 128917 | 18.3 | 13.592 | 7242 | 106.7 714.9 | | 748 |

[illegible] CLIMATOLOGY BRANCH
[illegible]AFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-62 APR

PAGE 1 [illegible]

WET BULB TEMPERATURE DEPRESSION (F)

| | | | | | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible]/ 41 | | .2 | | | 2 | [illegible] | | |
| [illegible]/ 39 | .1 | 1.0 | 1.5 | | 24 | 24 | 5 | 1 |
| [illegible]/ 37 | .2 | 3.4 | 1.4 | | 44 | 44 | 19 | 7 |
| [illegible]/ 35 | .6 | 7.0 | 1.5 | | 80 | 80 | 57 | [illegible] |
| [illegible]/ 33 | .5 | 8.4 | 1.2 | .2 | 91 | 91 | 91 | 36 |
| [illegible]/ 31 | 3.5 | 14.5 | .7 | | 166 | 166 | [illegible] | 145 |
| [illegible]/ 29 | 2.5 | 8.7 | .8 | | 109 | 109 | 156 | [illegible] |
| [illegible]/ 27 | 3.1 | 4.9 | .5 | | 74 | 74 | [illegible] | [illegible] |
| [illegible]/ 25 | .9 | 6.3 | .2 | | 65 | 65 | 74 | [illegible] |
| 24/ 23 | .9 | 2.3 | | | 28 | 28 | [illegible] | 41 |
| [illegible]/ 21 | .5 | 1.9 | .1 | | 22 | 22 | [illegible] | 69 |
| [illegible]/ 19 | .9 | 2.7 | | | 32 | 32 | 36 | 56 |
| 1 / 17 | .8 | 1.1 | | | 17 | 17 | 15 | [illegible] |
| 16/ 15 | 1.1 | 2.0 | | | 28 | 28 | 24 | 38 |
| 14/ 13 | .9 | 2.0 | | | 26 | 26 | 26 | 23 |
| 12/ 11 | .2 | 1.5 | | | 15 | 15 | 14 | [illegible] |
| [illegible]/ 9 | | 1.2 | | | 11 | 11 | 17 | 16 |
| [illegible]/ 7 | .6 | 1.2 | | | 16 | 16 | 16 | [illegible] |
| / 5 | | .5 | | | 5 | [illegible] | [illegible] | [illegible] |
| [illegible]/ 3 | .7 | .9 | | | 14 | 14 | 14 | [illegible] |
| [illegible]/ 1 | .2 | 1.2 | | | 13 | 13 | 9 | [illegible] |
| [illegible]/ -1 | | | | | | | 4 | 6 |
| [illegible]/ -3 | | | | | | | | [illegible] |
| [illegible]/ -5 | | | | | | | | [illegible] |
| [illegible]/ -7 | | | | | | | | [illegible] |
| [illegible]/ -9 | | | | | | | | 4 |
| [illegible]/-11 | | | | | | | | 1 |
| [illegible]/-13 | | | | | | | | 2 |
| TOTAL | 18.5 | 73.4 | 7.9 | .2 | | [illegible] | | [illegible] |
| | | | | | 862 | | 862 | |

| | Σx² | Σx | x̄ | σ | N | | | |
|---|---|---|---|---|---|---|---|---|
| | 621[illegible]313 | 736[illegible]7 | 83.5 | 8.76[illegible] | 862 | | | |
| | 72[illegible]878 | 24016 | 27.2 | 8.717 | 862 | | 65.4 | [illegible] |
| | 659230 | 22930 | 26.0 | 8.463 | 862 | .4 | 72.4 | [illegible] |
| | 54[illegible]254 | 20112 | 22.8 | 8.744 | 862 | 3.2 | 93.7 | [illegible] |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7...3050 CAPE NEWENHAM AFS AK 73-82 AP4



| | WET-BULB TEMPERATURE DEPRESSION F | | | | | TOTAL | | TOTA | |
|---|---|---|---|---|---|---|---|---|---|
| 44/ 43 | | | .1 | | | 1 | 1 | | |
| 42/ 41 | | | .2 | .1 | | 3 | 3 | | |
| 40/ 39 | | | .9 | .3 | | 11 | 11 | 6 | 1 |
| 38/ 37 | | .3 | 3.4 | .8 | | 40 | 40 | 17 | 9 |
| 36/ 35 | | .9 | 7.2 | 2.0 | | 89 | 89 | 47 | 23 |
| 34/ 33 | | .9 | 8.2 | .6 | | 85 | 85 | 98 | 55 |
| 32/ 31 | 2.4 | 15.2 | 1.0 | .1 | | 165 | 165 | 117 | 130 |
| 30/ 29 | 2.7 | 8.3 | .7 | | | 103 | 103 | 150 | 72 |
| 28/ 27 | 3.2 | 5.7 | .1 | | | 79 | 79 | 91 | 146 |
| 26/ 25 | 1.1 | 6.5 | | | | 67 | 67 | 81 | 105 |
| 24/ 23 | | 3.1 | .1 | | | 28 | 28 | 52 | 43 |
| 22/ 21 | .5 | 2.3 | | | | 24 | 24 | 35 | 66 |
| 20/ 19 | 1.5 | 3.4 | | | | 43 | 43 | 44 | 37 |
| 18/ 17 | .2 | 1.0 | | | | 12 | 12 | 21 | 29 |
| 16/ 15 | .9 | 1.6 | | | | 22 | 22 | 14 | 37 |
| 14/ 13 | 1.2 | 1.0 | | | | 23 | 23 | 25 | 23 |
| 12/ 11 | 1.1 | 1.7 | | | | 25 | 25 | 17 | 24 |
| 10/ 9 | .1 | 1.4 | | | | 13 | 13 | 21 | 24 |
| 8/ 7 | .2 | 1.2 | | | | 13 | 13 | 10 | 8 |
| 6/ 5 | .2 | .8 | | | | 9 | 9 | 14 | 10 |
| 4/ 3 | .8 | .7 | | | | 13 | 13 | 15 | 13 |
| 2/ 1 | .6 | 1.1 | | | | 15 | 15 | 12 | 16 |
| 0/ -1 | | | | | | | | 3 | 5 |
| -2/ -3 | | | | | | | | | 6 |
| -4/ -5 | | | | | | | | | 3 |
| -6/ -7 | | | | | | | | | 8 |
| -8/ -9 | | | | | | | | | 5 |
| -10/-11 | | | | | | | | | 1 |
| TOTAL | 19.1 | 74.9 | 5.9 | .1 | | | 850 | | 803 |
| | | | | | | 880 | | 880 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 624.308 | 73774 | 83.8 | 8.298 | 880 | | 65.6 | 20 |
| | 709.85 | 23669 | 26.9 | 8.751 | 880 | | | |
| | 646704 | 22652 | 25.7 | 8.508 | 880 | .3 | 72.8 | 90 |
| | 533259 | 10865 | 22.6 | 9.742 | 880 | 3.4 | 63.4 | 71 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

73062 CAPE NEWENHAM AFS AK 73-82 APR

PAGE 1 2000-0900

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 46/ 45 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 42/ 41 | | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | 1 |
| 40/ 39 | | .9 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 5 | |
| 38/ 37 | .2 | 6.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 20 | 6 |
| 36/ 35 | 1.2 | 6.5 | .9 | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 48 | 23 |
| 34/ 33 | 1.3 | 8.1 | .9 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 86 | 53 |
| 32/ 31 | 3.2 | 14.3 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | 161 | 161 | 119 | 145 |
| 30/ 29 | 3.9 | 6.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 148 | 134 |
| 28/ 27 | 2.2 | 5.6 | .3 | | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 91 | 135 |
| 26/ 25 | 1.3 | 6.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 75 | 88 |
| 24/ 23 | .7 | 2.5 | .1 | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 60 | 49 |
| 22/ 21 | .2 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 31 | 58 |
| 20/ 19 | .6 | 3.7 | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 36 | 41 |
| 18/ 17 | .4 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 28 | 29 |
| 16/ 15 | .6 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 17 | 43 |
| 14/ 13 | .4 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 16 | 42 |
| 12/ 11 | .4 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 20 | 65 |
| 10/ 9 | .8 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 14 | 15 |
| 8/ 7 | .2 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 16 | 12 |
| 6/ 5 | .6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 10 | 14 |
| 4/ 3 | .7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 7 |
| 2/ 1 | .1 | .9 | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 5 | 4 |
| 0/ -1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 5 | 5 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 19.6 | 74.9 | 4.7 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | 869 | 869 | 869 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | | | |
|---|---|---|---|---|---|---|---|---|
| | 6316651. | 74519. | 83.8 | 8.892. | 889 | | | |
| | 724972. | 24162. | 27.2 | 8.769. | 889 | .6 | 64.7 | 73 |
| | 666067. | 23123. | 26.0 | 8.532. | 889 | .5 | 70.8 | 73 |
| | 549896. | 20316. | 22.9 | 9.819 | 889 | 2.9 | 81.6 | 73 |

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# PSYCHROMETRIC SUMMARY

70300 CAPE NEWENHAM AFS AK 73-82 APR

PAGE 1 0900-1100

| TEMP | WET BULB TEMPERATURE DEPRESSION (F) | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|
| 48/ 47 | | | .1 | | | 1 | 1 | | |
| 46/ 45 | | .1 | | .1 | | 2 | 2 | | |
| 44/ 43 | | .1 | .3 | .4 | .1 | 9 | 9 | 2 | |
| 42/ 41 | | .4 | .4 | .4 | .2 | 14 | 14 | 3 | 1 |
| 40/ 39 | | 3.3 | 1.1 | .3 | | 42 | 42 | 12 | [illegible] |
| 38/ 37 | .6 | 5.2 | .8 | .2 | | 60 | 60 | [illegible] | 12 |
| 36/ 35 | .8 | 6.9 | 1.9 | | | 85 | 85 | 61 | 33 |
| 34/ 33 | 2.1 | 17.8 | 1.6 | .2 | | 131 | 131 | 113 | 61 |
| 32/ 31 | 3.7 | 12.5 | .9 | | | 152 | 152 | 160 | 149 |
| 30/ 29 | 2.4 | 5.1 | .7 | | | 72 | 72 | 115 | 117 |
| 28/ 27 | 1.0 | 6.5 | .7 | | | 73 | 73 | 73 | 93 |
| 26/ 25 | .9 | 3.5 | .8 | | | 46 | 46 | 57 | 80 |
| 24/ 23 | .2 | 1.8 | .2 | | | 20 | 20 | 32 | 46 |
| 22/ 21 | .3 | 1.9 | .1 | | | 21 | 21 | 32 | 47 |
| 20/ 19 | .7 | 3.0 | .1 | | | 36 | 36 | [illegible] | [illegible] |
| 18/ 17 | .3 | 2.4 | | | | 24 | 24 | 25 | 39 |
| 16/ 15 | .3 | 2.6 | .1 | | | 27 | 27 | [illegible] | [illegible] |
| 14/ 13 | .1 | 1.9 | .1 | | | 19 | 19 | [illegible] | 12 |
| 12/ 11 | .1 | 1.2 | .1 | | | 13 | 13 | 16 | 17 |
| 10/ 9 | .9 | 1.2 | | | | 19 | 19 | 21 | 26 |
| 8/ 7 | | .9 | | | | 8 | 8 | 14 | 19 |
| 6/ 5 | | .1 | | | | 1 | 1 | 4 | 15 |
| 4/ 3 | .4 | | | | | 4 | 4 | 4 | 6 |
| 2/ 1 | .3 | .9 | | | | 11 | 11 | 6 | 21 |
| 0/ -1 | | | | | | | | 3 | 6 |
| -2/ -3 | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | 5 |
| -6/ -7 | | | | | | | | | 1 |
| -8/ -9 | | | | | | | | | 3 |
| -10/-11 | | | | | | | | | 4 |
| TOTAL | 15.3 | 72.5 | 10.1 | 1.8 | .3 | 892 | 892 | 892 | 893 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N | | | |
|---|---|---|---|---|---|---|---|---|
| | 611062 | 73206. | 82.1 | 10.012 | 892 | | | |
| | 624637. | 25643. | 28.8 | 8.616 | 892 | | 55.2 | 90 |
| | 728265. | 24305. | 27.4 | 8.320 | 892 | .5 | 65.3 | 90 |
| | 593616 | 213.2 | 24.0 | 9.651 | 892 | 2.1 | 79.0 | 82 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-[illegible] APR

PAGE 1 1[illegible]-14[illegible]

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION F | | | | | TOTAL D.B. | TOTAL W.B. | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|
| 4[illegible]/ 45 | | .5 | .1 | .2 | .1 | 8 | [illegible] | | |
| 44/ 43 | | .1 | 1.4 | 1.2 | | 22 | 22 | 4 | 1 |
| 4[illegible]/ 41 | | .[illegible] | 2.3 | .5 | .1 | 32 | 32 | 7 | 4 |
| 4[illegible]/ 39 | .1 | 3.4 | 1.9 | .6 | | 53 | 53 | [illegible]2 | 1 |
| 3[illegible]/ 37 | .5 | 4.4 | 2.3 | .1 | | 64 | 64 | [illegible]4 | [illegible]4 |
| 3[illegible]/ 35 | 1.2 | 7.2 | 2.1 | | | 94 | 94 | [illegible]2 | 43 |
| 3[illegible]/ 33 | [illegible].3 | 12.9 | 2.[illegible] | | | 149 | 149 | 17[illegible] | 71 |
| 32/ 31 | 2.9 | 8.9 | 1.4 | | | 117 | 117 | 14[illegible] | 157 |
| 3[illegible]/ 29 | .9 | 6.1 | 2.0 | .1 | | [illegible]1 | [illegible]1 | 9[illegible] | 12[illegible] |
| 2[illegible]/ 27 | .9 | 4.3 | .5 | | | 5[illegible] | [illegible] | 73 | 71 |
| 2[illegible]/ 25 | .2 | 3.6 | .9 | | | 42 | 42 | [illegible]6 | 62 |
| 24/ 23 | | 1.5 | .3 | | | 16 | [illegible]6 | [illegible] | 41 |
| 2[illegible]/ 21 | .5 | 2.0 | | | | [illegible]2 | [illegible]2 | 2[illegible] | 47 |
| 2[illegible]/ 19 | .3 | 3.3 | | | | 32 | 32 | [illegible]9 | [illegible]7 |
| 1[illegible]/ 17 | | 2.5 | | | | 22 | [illegible] | [illegible] | [illegible]7 |
| 1[illegible]/ 15 | | 2.9 | | | | 26 | 26 | [illegible] | [illegible]9 |
| 1[illegible]/ 13 | | 1.7 | | | | 15 | 15 | 21 | 3[illegible] |
| 1[illegible]/ 11 | .3 | 1.1 | | | | 13 | 13 | 14 | [illegible]6 |
| 1[illegible]/ 9 | .2 | 1.1 | | | | 13 | 13 | 15 | 16 |
| [illegible]/ 7 | | .5 | | | | 4 | 4 | 6 | 19 |
| [illegible]/ 5 | | .5 | | | | 4 | 4 | 5 | 11 |
| [illegible]/ 3 | | | | | | | | | 8 |
| [illegible]/ 1 | .3 | .7 | | | | 9 | 9 | 7 | 10 |
| [illegible]/ -1 | | | | | | | | 2 | 7 |
| -[illegible]/ -3 | | | | | | | | | 5 |
| -6/ -7 | | | | | | | | | 1 |
| -[illegible]/ -9 | | | | | | | | | 3 |
| -1[illegible]/-11 | | | | | | | | | 2 |
| TOTAL | 12.8 | 69.4 | 17.1 | 2.5 | .2 | 888 | [illegible]58 | [illegible]58 | [illegible]69 |

| ELEMENT | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N OBS | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 5931446. | 72038. | 81.1 | 9.929. | 838 | | | |
| [illegible] | 872386. | 26708. | 30.2 | 8.513. | 883 | | 47.2 | 72 |
| [illegible] | 783381. | 25321. | 28.5 | 8.112. | 888 | .2 | 59.4 | 93 |
| [illegible] | 628488 | 22146 | 24.9 | 9.268 | 868 | 1.6 | 75.4 | 72 |

GL BAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7L33SD CAPE NEWENHAM AFS AK 73-82 APR

PAGE 1 1500-1700

WET BULB TEMPERATURE DEPRESSION F

| | 1 | 2 | 3 | 4 | TOTAL D B | W B | TOTAL | |
|---|---|---|---|---|---|---|---|---|
| 45/ 45 | | .2 | .7 | .1 | 9 | 9 | | |
| 44/ 43 | | | 1.2 | .5 | 14 | 14 | 2 | |
| 42/ 41 | | .2 | 2.3 | .7 | 28 | 28 | 6 | 2 |
| 40/ 39 | | 1.0 | 1.7 | .5 | 45 | 45 | 26 | 1 |
| 38/ 37 | .6 | 5.0 | 1.4 | | 67 | 67 | 50 | 16 |
| 36/ 35 | .9 | 7.5 | 1.7 | .2 | 90 | 90 | 75 | 57 |
| 34/ 33 | 2.2 | 12.8 | 1.4 | | 141 | 141 | 119 | 59 |
| 32/ 31 | 2.4 | 10.6 | 1.5 | .2 | 127 | 127 | 140 | 147 |
| 30/ 29 | 1.5 | 6.5 | 1.0 | .1 | 80 | 80 | 108 | 130 |
| 28/ 27 | .2 | 3.5 | 1.2 | | 42 | 42 | 67 | 84 |
| 26/ 25 | .6 | 3.8 | .3 | | 41 | 41 | 50 | 77 |
| 24/ 23 | .2 | 1.2 | .2 | | 14 | 14 | 29 | 40 |
| 22/ 21 | .9 | 1.9 | .1 | | 25 | 25 | 24 | 38 |
| 20/ 19 | .7 | 2.7 | | | 29 | 29 | 26 | 41 |
| 18/ 17 | .5 | 3.0 | | | 30 | 30 | 29 | 32 |
| 16/ 15 | .3 | 2.7 | | | 26 | 26 | 16 | 30 |
| 14/ 13 | .1 | 1.4 | | | 13 | 13 | 24 | 22 |
| 12/ 11 | .1 | .8 | | | 8 | 8 | 9 | 29 |
| 10/ 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 |
| 0/ -1 | | | | | | | 1 | 5 |
| -2/ -3 | | | | | | | | 3 |
| -4/ -5 | | | | | | | | 7 |
| -6/ -7 | | | | | | | | 2 |
| -8/ -9 | | | | | | | | 1 |
| -10/-11 | | | | | | | | 1 |
| -12/-13 | | | | | | | | 1 |
| TOTAL | 12.4 | 70.4 | 14.9 | 2.3 | 861 | 861 | 861 | 861 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | |
|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 5818229. | 73271. | 81.6 | 9.845 | 861 | | | |
| Dry Bulb | 833892. | 25736. | 29.9 | 8.465 | 861 | | 48.8 | 92 |
| Wet Bulb | 747296. | 24432. | 28.3 | 8.048 | 861 | .1 | 60.1 | 92 |
| Dew Pt. | 605714. | 21412. | 24.9 | 9.227 | 861 | 2.1 | 75.7 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72300 CAPE NEWENHAM AFS AK 73-82 AFOS

PAGE 1 1200-2700

| WET BULB TEMPERATURE DEPRESSION °F | | | | | | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 50/ 47 | | | .1 | | | 1 | 1 | | |
| 46/ 45 | | | .5 | | | 4 | 4 | | |
| 44/ 43 | | | .9 | | | 7 | 7 | 1 | |
| 42/ 41 | | .4 | 1.8 | .3 | | 19 | 19 | 5 | |
| 40/ 39 | | 2.2 | 1.4 | .3 | | 33 | 33 | 10 | 1 |
| 38/ 37 | .6 | 4.6 | 1.4 | | | 52 | 52 | 44 | .4 |
| 36/ 35 | .5 | 6.1 | 1.0 | | | 75 | 75 | 69 | .8 |
| 34/ 33 | 2.8 | 10.6 | .8 | | | 112 | 112 | 114 | .9 |
| 32/ 31 | 4.2 | 7.9 | 2.2 | | | 135 | 135 | 134 | 1.6 |
| 30/ 29 | 2.8 | 6.1 | .9 | | | 77 | 77 | 104 | 1.7 |
| 28/ 27 | 1.0 | 4.4 | .3 | .3 | | 46 | 46 | 63 | .6 |
| 26/ 25 | .3 | 4.2 | .4 | | | 36 | 36 | 46 | .7 |
| 24/ 23 | .5 | 2.4 | .3 | | | 25 | 25 | 40 | .7 |
| 22/ 21 | 1.2 | 1.7 | | | | 22 | 22 | 32 | .5 |
| 20/ 19 | 1.2 | 2.9 | | | | 32 | 32 | 34 | .6 |
| 18/ 17 | .5 | 1.8 | | | | 18 | 18 | 24 | .1 |
| 16/ 15 | .4 | 2.7 | | | | 24 | 24 | 24 | .5 |
| 14/ 13 | .3 | 1.9 | | | | 17 | 17 | 19 | .3 |
| 12/ 11 | .1 | .9 | | | | 8 | 8 | 10 | .2 |
| 10/ 9 | .4 | .9 | | | | 10 | 10 | 13 | .2 |
| 8/ 7 | .3 | .9 | | | | 9 | 9 | 11 | .4 |
| 6/ 5 | .3 | .4 | | | | 5 | 5 | 6 | .1 |
| 4/ 3 | | .9 | | | | 7 | 7 | 5 | .0 |
| 2/ 1 | | .8 | | | | 6 | 6 | 6 | .0 |
| 0/ -1 | .1 | .1 | | | | 2 | 2 | 2 | .0 |
| | | | | | | | | 1 | .0 |
| -2/ -3 | | | | | | | | | .0 |
| -4/ -5 | | | | | | | | | .0 |
| -6/ -7 | | | | | | | | | .0 |
| -8/ -9 | | | | | | | | | .0 |
| -10/-11 | | | | | | | | | .0 |
| -12/-13 | | | | | | | | | .0 |
| TOTAL | 17.4 | 69.9 | 11.7 | .8 | | 761 | | 791 | 7.1 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | NR OBS | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 3442553. | 64763. | 82.9. | 9.597. | 781 | | | .2 |
| [illegible] | 708431. | 22525. | 28.8. | 8.681. | 781 | .2. | 55.4. | .1 |
| [illegible] | 644260. | 21462. | 27.5. | 8.357. | 781 | .3. | 63.3. | .1 |
| [illegible] | 5301.3. | 1891.1 | 24.2 | 9.621 | 781 | 2.6 | 77.7 | .3 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73.75-82 APR



| | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | OBS | | | |
| 48/ 43 | | | | .8 | | | | | | | | | | | | | | | | | | | | | 6 | 6 | | |
| 42/ 41 | | | .1 | .5 | .3 | | | | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 40/ 39 | | .1 | 1.4 | 1.4 | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 11 | |
| 38/ 37 | | .8 | 5.1 | 1.0 | | | | | | | | | | | | | | | | | | | | | 54 | 54 | 32 | 2.3 |
| 36/ 35 | | .1 | 4.2 | 1.0 | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 41 | 2.3 |
| 34/ 33 | | 2.1 | 9.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | 96 | 96 | 86 | 4.5 |
| 32/ 31 | | 5.5 | 15.8 | 1.0 | | | | | | | | | | | | | | | | | | | | | 174 | 174 | 177 | 14.2 |
| 30/ 29 | | 3.1 | 4.6 | 1.2 | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 135 | 7.3 |
| 28/ 27 | | 1.7 | 4.6 | .8 | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 98 | 9.9 |
| 26/ 25 | | .9 | 5.1 | .4 | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 62 | 6.7 |
| 24/ 23 | | .4 | 2.4 | .3 | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 76 | 6.9 |
| 22/ 21 | | .3 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 21 | 4.2 |
| 20/ 19 | | .9 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 16 | 4.8 |
| 18/ 17 | | .8 | 2.9 | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 20 | 2.9 |
| 16/ 15 | | 1.0 | 2.8 | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 27 | 1.5 |
| 14/ 13 | | .1 | 2.3 | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 22 | 2.3 |
| 12/ 11 | | | .5 | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 14 | 2.9 |
| 10/ 9 | | .8 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 19 | 4.6 |
| 8/ 7 | | | 1.2 | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 11 | 9 |
| 6/ 5 | | .8 | .3 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 10 | 4.5 |
| 4/ 3 | | | .6 | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 7 |
| 2/ 1 | | | 1.3 | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 14 | 4.6 |
| 0/ -1 | | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 6 | 7 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 17.6 | 57.2 | 9.4 | .3 | | | | | | | | | | | | | | | | | | | | 710 | 710 | 790 | 7.0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 552×633. | 652.7 | 83.7 | 9.136 | 710 | | | | | |
| | 656287. | 21745. | 27.7 | 8.762. | 710 | .3. | 62.3. | | | 7.0 |
| | 61.349 | 2273. | 26.6 | 8.523. | 710 | .3. | 69.3 | | | 7.0 |
| | 5.7149 | 18335. | 23.5 | 9.661 | 710 | 3.0 | 81.3 | | | 7.0 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

71[illegible] CAPE NEWENHAM AFS AK 73-82 APR

 ALL

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5-6 | 7-8 | 9-10 | 11 | 12 | 13-14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22-23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31+ | OBS | | | |
| 48/ 47 | | | | | .0 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 46/ 45 | | | .1 | | .2 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | 24 | 24 | | |
| 44/ 43 | | | .1 | | .6 | .2 | .0 | | | | | | | | | | | | | | | | | | | | | 59 | 59 | [illegible] | 1 |
| 42/ 41 | | | .3 | | .9 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | 139 | 139 | 71 | 5 |
| 40/ 39 | | .0 | .0 | .0 | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | 243 | 243 | 115 | 7 |
| 38/ 37 | | .5 | 4.7 | 1.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | 444 | 444 | 374 | 100 |
| 36/ 35 | | .8 | 7.1 | 1.5 | .3 | | | | | | | | | | | | | | | | | | | | | | | 645 | 645 | 480 | 246 |
| 34/ 33 | 1.8 | 11.0 | 1.1 | 1.2 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | 930 | 930 | 641 | 424 |
| 32/ 31 | 3.4 | 12.8 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 1197 | 1197 | 1071 | 1133 |
| 30/ 29 | 2.5 | 6.5 | .9 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 686 | 686 | 1096 | 841 |
| 28/ 27 | 1.7 | 4.9 | .5 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 492 | 492 | 596 | 751 |
| 26/ 25 | .8 | 5.0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 422 | 422 | 513 | 649 |
| 24/ 23 | .4 | 2.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 184 | 184 | 256 | 369 |
| 22/ 21 | .5 | 2.0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 176 | 176 | 204 | 393 |
| 20/ 19 | .6 | 2.9 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 260 | 260 | 243 | 349 |
| 18/ 17 | .5 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | 175 | 175 | 196 | 283 |
| 16/ 15 | .6 | 2.3 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 199 | 199 | 172 | 246 |
| 14/ 13 | .4 | 1.6 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 151 | 151 | 175 | 168 |
| 12/ 11 | .3 | 1.2 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | 122 | 122 | 112 | 195 |
| 10/ 9 | .5 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 114 | 114 | 131 | 143 |
| 8/ 7 | .2 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | 81 | 93 | 110 |
| 6/ 5 | .2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 75 | 91 |
| 4/ 3 | .3 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 54 | 54 | 54 | 75 |
| 2/ 1 | .2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | 80 | 80 | 67 | 138 |
| / -1 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 27 | 52 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | [illegible] | 33 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean Wet Bulb Temperature |
|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | |
| Wet Bulb | | | | | | |
| Dew Point | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

71356 CAPE NEWENHAM AFS AK 73-82 APR

PAGE 2 ALL

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | >32 | DB=WB | DB-WB | WB-DP | DB-DP |
| TOTAL | 15.5 | 72.1 | 10.2 | 1.1 | .1 | | | | | | | | | | | | | | 6851 | | | 6851 |
| | | | | | | | | | | | | | | | | | | | 6851 | | | 6851 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean No. Hours in Temperature | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| Dry Bulb | 47605235. | 56745. | 82.8 | 9.352 | 6851 | | | | | | | | |
| Dew Point | 6035638. | 194334. | 28.4 | 8.739 | 6851 | | 1.2 | 465.4 | | | | | 744 |
| Wet Bulb | 5482552. | 185036. | 27.0 | 8.413 | 6851 | | 3.2 | 533.4 | | | | | 744 |
| Vap Pressure | 448.328 | 526.49 | 23.7 | 9.658 | 6851 | | 21.2 | 637.5 | | | | | 744 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

702250 CAPE NEWENHAM AFS AK 73-82 MAY

PAGE 1 0000-2300

WET BULB TEMPERATURE DEPRESSION (F)

| | 1 | 2 | 3 | 4 | 5 | Total | Total | Total | Total |
|---|---|---|---|---|---|---|---|---|---|
| 60/ 59 | | | | .1 | | 1 | 1 | | |
| 58/ 57 | | | | | .1 | 1 | 1 | | |
| 56/ 55 | | | | | .1 | 1 | 1 | | |
| 54/ 53 | | .1 | | .4 | | 4 | 4 | | |
| 52/ 51 | | | .1 | .4 | | 4 | 4 | | 1 |
| 50/ 49 | | | .2 | .6 | | 7 | 7 | | 1 |
| 48/ 47 | | .4 | .7 | .4 | .1 | 13 | 13 | 6 | |
| 46/ 45 | | .5 | .9 | .1 | | 13 | 13 | 10 | 2 |
| 44/ 43 | | 2.6 | 4.0 | | | 56 | 56 | 17 | 5 |
| 42/ 41 | .1 | 4.2 | 6.2 | 1.1 | | 99 | 99 | 47 | 15 |
| 40/ 39 | .8 | 9.4 | 4.6 | .8 | | 133 | 133 | [illegible] | 29 |
| 38/ 37 | .5 | 9.8 | 2.7 | .2 | | 113 | 113 | 140 | [illegible] |
| 36/ 35 | .8 | 15.2 | 1.6 | | | 108 | 108 | 140 | [illegible] |
| 34/ 33 | 2.9 | 9.0 | .7 | | | 108 | 108 | [illegible] | 149 |
| 32/ 31 | 2.6 | 9.4 | .9 | .2 | | 112 | 112 | [illegible] | [illegible] |
| 30/ 29 | .9 | 4.9 | .1 | | | 51 | 51 | [illegible] | 112 |
| 28/ 27 | .1 | 1.1 | | | | 10 | 10 | [illegible] | [illegible] |
| 26/ 25 | .1 | 1.3 | | | | 12 | 12 | 14 | 45 |
| 24/ 23 | | .2 | | | | 2 | 2 | 7 | 18 |
| 22/ 21 | | .4 | | | | 3 | 3 | 3 | 10 |
| 20/ 19 | | .4 | | | | 3 | 3 | 1 | 9 |
| 18/ 17 | | | | | | | | 3 | 3 |
| 16/ 15 | | | | | | | | | 3 |
| 14/ 13 | | | | | | | | | 1 |
| 12/ 11 | | | | | | | | | 3 |
| TOTAL | 8.9 | 63.7 | 22.8 | 4.2 | .4 | 854 | 854 | 854 | 854 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | Total |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 5947705. | 70865. | 83.0 | 8.884 | 854 | | | |
| [illegible] | 1180608. | 31426. | 36.8 | 5.324 | 854 | 21.0 | | 93 |
| [illegible] | 1055591. | 29759. | 34.8 | 4.668 | 854 | 28.1 | | 93 |
| [illegible] | 892639. | 27305. | 32.0 | 4.795 | 854 | 51.5 | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

70300 CAPE NEWENHAM AFS AK 73-82 MAY

PAGE 1 0300-0500

| Temp | Wet bulb temperature depression (F) | | | | | Total | Total | Total | |
|---|---|---|---|---|---|---|---|---|---|
| [illegible]/ 59 | | | .2 | | | 2 | 2 | | |
| 56/ 55 | | | | | .1 | 1 | 1 | [illegible] | |
| 54/ 53 | | | | | .1 | 1 | 1 | | |
| 52/ 51 | | | | .3 | .1 | 4 | 4 | | 2 |
| 50/ 49 | | | .9 | .3 | | 11 | 11 | 1 | |
| 48/ 47 | | | 1.0 | .2 | | 11 | 11 | 1 | |
| 46/ 45 | | .5 | .7 | .2 | | 13 | 13 | 17 | |
| 44/ 43 | | 1.3 | 2.0 | .4 | | 34 | 34 | 15 | 3 |
| 42/ 41 | | 3.9 | 4.6 | .7 | | 84 | 84 | 29 | 7 |
| 40/ 39 | 1.6 | 9.3 | 4.9 | .5 | | 150 | 150 | 176 | 33 |
| 38/ 37 | .9 | 9.3 | 3.1 | .8 | | 132 | 132 | 176 | 30 |
| 36/ 35 | 1.3 | 15.0 | 2.1 | | | 122 | 122 | 147 | 100 |
| 34/ 33 | 3.6 | 8.8 | 1.0 | | | 122 | 122 | 166 | 152 |
| 32/ 31 | 2.4 | 11.2 | 1.0 | .2 | | 135 | 135 | 118 | 200 |
| 30/ 29 | 2.0 | 3.1 | .1 | | | 47 | 47 | 118 | 115 |
| 28/ 27 | .4 | 1.3 | | | | 16 | 16 | 26 | 93 |
| 26/ 25 | .3 | 1.3 | | | | 15 | 15 | 22 | 65 |
| 24/ 23 | | .3 | | | | 3 | 3 | 4 | 16 |
| 22/ 21 | | .4 | | | | 4 | 4 | 6 | 14 |
| 20/ 19 | | .5 | | | | 5 | 5 | 1 | 10 |
| 18/ 17 | | | | | | | | 5 | 3 |
| 16/ 15 | | | | | | | | | 3 |
| 14/ 13 | | | | | | | | | 3 |
| 12/ 11 | | | | | | | | | 3 |
| TOTAL | 17.6 | 61.8 | 21.5 | 3.7 | .3 | | 912 | | 912 |
| | | | | | | 912 | | 912 | |

| [illegible] | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|
| [illegible] | 6411298. | 76016. | 83.4 | 9.091 | 912 | | |
| [illegible] | 1220324. | 33062. | 36.3 | 5.270 | 912 | 22.9 | 93 |
| [illegible] | 1100228. | 31388. | 34.4 | 4.681 | 912 | 30.6 | 93 |
| [illegible] | 930828. | 28788. | 31.6 | 4.234 | 912 | 53.5 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7[illegible]3[illegible] CAPE NEWENHAM AFS AK 73-82 MAY

PAGE 1 [illegible]

WET BULB TEMPERATURE DEPRESSION (F)

| Temp. (F) | | | | | | | | Total | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible]/ 59 | | | | | | | .2 | 2 | [illegible] | | |
| 5[illegible]/ 55 | | | | .1 | .1 | | | 2 | [illegible] | | |
| [illegible]4/ 53 | | | | .3 | .1 | | | 4 | 4 | | |
| [illegible]2/ 51 | | | .4 | .2 | .3 | | | 9 | 9 | | |
| [illegible]/ 49 | | | .2 | 1.2 | | | | 13 | [illegible]3 | 4 | |
| 46/ 47 | | .5 | 1.6 | 1.0 | | | | 29 | [illegible]9 | 9 | |
| 4[illegible]/ 45 | | .4 | 1.4 | 1.3 | | | | [illegible]9 | [illegible]9 | [illegible] | 1 |
| 44/ 43 | | 1.9 | 3.9 | .3 | | | | 56 | [illegible]6 | [illegible]9 | [illegible]3 |
| 42/ 41 | .1 | 6.0 | 3.6 | .1 | | | | [illegible] | [illegible] | [illegible] | 1[illegible] |
| 4[illegible]/ 39 | 1.2 | 8.9 | 5.0 | 1.0 | | | | 148 | 148 | 1[illegible]2 | [illegible] |
| 3[illegible]/ 37 | .4 | 5.8 | 3.1 | .3 | | | | 116 | 11[illegible] | 1[illegible] | [illegible]4 |
| 3[illegible]/ 35 | 2.3 | 6.0 | 1.4 | .1 | | | | 1[illegible]6 | [illegible] | [illegible]4[illegible] | 1[illegible]1 |
| 3[illegible]/ 33 | 2.4 | 1[illegible].4 | 1.1 | | | | | 127 | 1[illegible]7 | [illegible] | 1[illegible]2 |
| 3[illegible]/ 31 | 3.3 | 8.1 | .4 | | | | | 128 | 1[illegible] | [illegible]1[illegible] | 1[illegible]4 |
| 3[illegible]/ 29 | 1.2 | 2.7 | .1 | | | | | 37 | [illegible]7 | [illegible] | 1[illegible]2 |
| [illegible]/ 27 | .4 | 1.3 | | | | | | 16 | [illegible]6 | 15 | [illegible]6 |
| [illegible]/ 25 | .4 | .9 | | | | | | 12 | 12 | [illegible] | 4[illegible] |
| 24/ 23 | | .1 | | | | | | 1 | 1 | 4 | 1[illegible] |
| [illegible]2/ 21 | .1 | .1 | | | | | | 2 | [illegible] | [illegible] | 1[illegible] |
| [illegible]/ 19 | | .6 | | | | | | 7 | 7 | [illegible] | 6 |
| [illegible]/ 17 | | .1 | | | | | | 1 | 1 | [illegible] | 1 |
| 1[illegible]/ 15 | | | | | | | | | | | [illegible] |
| 14/ 13 | | | | | | | | | | | [illegible] |
| TOTAL | 11.9 | 59.0 | 22.4 | 6.0 | .5 | | .2 | 917 | 9[illegible]7 | [illegible]17 | 9[illegible]7 |

| [illegible] | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N OBS | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 639[illegible]194. | 76326. | 82.9 | 9.8[illegible]6. | 917 | | | |
| [illegible] | 13[illegible]43[illegible]4. | 34174. | 37.3 | 5.[illegible]. | 917 | 18.7 | | 93 |
| [illegible] | 1163161. | 32343. | 35.3 | 4.946. | 917 | 26.9 | | 93 |
| [illegible] | 98[illegible]932 | 296[illegible] | 32.4 | 4.919 | 9[illegible]7 | 47.2 | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725000 CAPE LEWENHAM AFS AK 73-82 MAY



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL MEAN | 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 | | | | |
| 66/ 66 | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | |
| 64/ 63 | | | | | | | | | | | | .2 | | | | | | | | | | | | | | | | 2 | 2 | | |
| 61/ 59 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 59/ 57 | | | | | .2 | | .3 | | .1 | | | | | | | | | | | | | | | | | | | 6 | 6 | | |
| 59/ 56 | | | | | .2 | | .4 | | .1 | | | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 54/ 53 | | | | | .5 | | .7 | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 2 | |
| 52/ 51 | | | .1 | .5 | .4 | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 4 | |
| 50/ 49 | | | .1 | 1.3 | 2.2 | | .3 | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 7 | |
| 47/ 47 | | | .8 | 1.7 | 1.2 | | .2 | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 22 | 5 |
| 46/ 45 | | | .9 | 3.5 | 1.5 | | .1 | | .2 | | | | | | | | | | | | | | | | | | | 57 | 57 | 33 | 4 |
| 44/ 43 | | | 4.5 | 4.4 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | 97 | 97 | 44 | 16 |
| 42/ 41 | .4 | 6.4 | 6.4 | 1.4 | | .2 | | | | | | | | | | | | | | | | | | | | | | 137 | 137 | 113 | 39 |
| 40/ 39 | .3 | 5.5 | 3.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | | 98 | 98 | 116 | 76 |
| 37/ 37 | .9 | 8.3 | 3.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 115 | 115 | 141 | 124 |
| 35/ 35 | 2.0 | 7.0 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 124 | 124 |
| 34/ 33 | 2.6 | 6.6 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | 96 | 96 | 127 | 145 |
| 32/ 31 | 1.6 | 5.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 93 | 164 |
| 29/ 29 | .8 | 1.6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 54 | 68 |
| 27/ 27 | .2 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 11 | 52 |
| 26/ 25 | .3 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 13 | 37 |
| 24/ 22 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 6 | 44 |
| 22/ 21 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 1 | 11 |
| 20/ 19 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 7 | 7 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| TOTAL | 9.2 | 49.7 | 27.4 | 10.7 | 2.3 | | .4 | | .3 | | | | | | | | | | | | | | | | | | | | 916 | | 916 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 916 | | 916 | |

| | $\Sigma x$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N | MEDIAN | | |
|---|---|---|---|---|---|---|---|---|
| | 6.38363. | 73581. | 80.311 | .423 | 916 | | | |
| | 1452925. | 35997. | 39.3. 6 | .471. | 916 | 12.3. | | 93 |
| | 1266319. | 337.7. | 36.8. 5 | .296. | 9.6 | 18.6 | | 93 |
| | 1043851 | 30651 | 33.5 | 5.148 | 916 | 38.8 | | 93 |

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# PSYCHROMETRIC SUMMARY

703350 CAPE NEWENHAM AFS AK 73-82 MAY

PAGE 1 1200-1400

| Temp. (F) | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | Total D.B. | Total W.B. | Total W.B. | Total D.P. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 68/ 67 | | | | | | | .3 | 3 | 3 | | |
| 60/ 59 | | | | | .3 | .1 | | 4 | 4 | | |
| 58/ 57 | | | | .3 | .7 | .4 | | 13 | 13 | | |
| 56/ 55 | | | .1 | .4 | .5 | | | 10 | 10 | 3 | |
| 54/ 53 | | | .3 | .4 | .2 | .1 | | 10 | 10 | | |
| 52/ 51 | | | .5 | 1.7 | .3 | | | 24 | 24 | 11 | |
| 50/ 49 | | | 1.5 | 2.2 | .1 | | | 35 | 35 | 12 | |
| 48/ 47 | | .3 | 2.4 | 2.1 | .2 | | | 46 | 46 | 25 | 4 |
| 46/ 45 | | 2.7 | 4.6 | 3.0 | .1 | .2 | | 97 | 97 | 44 | 14 |
| 44/ 43 | | 4.0 | 5.1 | 1.3 | | | | 96 | 96 | 58 | 17 |
| 42/ 41 | .4 | 4.2 | 6.0 | 1.3 | | | | 109 | 109 | 102 | 62 |
| 40/ 39 | .2 | 5.1 | 4.6 | .7 | .1 | | | 98 | 98 | 111 | 105 |
| 38/ 37 | .4 | 8.1 | 2.6 | .5 | | | | 107 | 107 | 124 | 105 |
| 36/ 35 | 1.6 | 6.8 | 1.1 | | | | | 87 | 87 | 143 | 115 |
| 34/ 33 | 2.0 | 6.0 | .9 | | | | | 81 | 81 | 110 | 151 |
| 32/ 31 | 1.2 | 4.5 | .7 | | | | | 58 | 58 | 76 | 152 |
| 30/ 29 | .4 | 1.1 | .4 | | | | | 18 | 18 | 33 | 64 |
| 28/ 27 | | .9 | | | | | | 8 | 8 | 14 | 49 |
| 26/ 25 | .1 | .4 | | | | | | 5 | 5 | 9 | 20 |
| 24/ 23 | | | | | | | | | | 4 | 12 |
| 22/ 21 | | .3 | | | | | | 3 | 3 | 1 | 8 |
| 20/ 19 | | .3 | | | | | | 3 | 3 | 5 | 6 |
| 18/ 17 | | | | | | | | | | | 4 |
| 16/ 15 | | | | | | | | | | | 5 |
| TOTAL | 5.4 | 44.8 | 30.9 | 14.0 | 2.6 | .9 | .3 | | 915 | | 915 |
| | | | | | | | | 915 | | 915 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 5834119 | 72123 | 78.8 | 11.419 | 915 | | | | | | | |
| Dry Bulb | 1544671 | 37085 | 40.5 | 6.748 | 915 | | 9.7 | .3 | | | | 93 |
| Wet Bulb | 1332967 | 34563 | 37.8 | 5.476 | 915 | | 14.4 | | | | | 93 |
| Dew Point | 1093798 | 31266 | 34.2 | 5.274 | 915 | | 34.8 | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7030S0 CAPE NEWENHAM AFS AK 73-82 MAY

PAGE 1 [illegible]

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | | | | |
| 64/ 65 | | | | | | | | .2 | .1 | 3 | 3 | | |
| 60/ 59 | | | | | .2 | | | | | 2 | 2 | | |
| 58/ 57 | | | | .2 | .5 | .2 | | | | 8 | 8 | | |
| 56/ 55 | | | | .5 | .7 | | | | | 10 | 10 | | |
| 54/ 53 | | | .2 | .7 | .5 | | | | | 12 | 12 | 2 | |
| 52/ 51 | | | .9 | .8 | | | | | | 15 | 15 | 7 | |
| 50/ 49 | | | 2.0 | 1.9 | .1 | | | | | 34 | 34 | 13 | |
| 48/ 47 | | 1.0 | 3.4 | 2.2 | .7 | | | | | 63 | 63 | [illegible] | 3 |
| 46/ 45 | | 2.1 | 4.5 | 2.1 | .2 | | | | | 77 | 77 | 51 | 17 |
| 44/ 43 | | 3.2 | 4.2 | 1.5 | | | | | | 77 | 77 | 50 | 49 |
| 42/ 41 | .1 | 5.0 | 5.6 | 1.3 | | | | | | 103 | 103 | 107 | 62 |
| 40/ 39 | .8 | 6.4 | 4.3 | .3 | .1 | | | | | 123 | 123 | 106 | 129 |
| 38/ 37 | .9 | 7.1 | 1.9 | .5 | | | | | | 59 | 59 | 172 | 75 |
| 36/ 35 | 1.0 | 7.9 | 1.4 | .1 | | | | | | 90 | 90 | 115 | 140 |
| 34/ 33 | 2.7 | 6.3 | .6 | .2 | | | | | | 64 | 64 | 110 | 135 |
| 32/ 31 | 1.6 | 4.8 | .6 | | | | | | | 60 | 60 | 95 | 161 |
| 30/ 29 | .1 | 1.6 | .7 | | | | | | | 21 | 21 | 30 | 64 |
| 28/ 27 | | .5 | | | | | | | | 4 | 4 | 16 | 33 |
| 26/ 25 | | .2 | | | | | | | | 2 | 2 | 7 | 17 |
| 24/ 23 | | .3 | | | | | | | | 3 | 3 | 3 | 7 |
| 22/ 21 | | .2 | | | | | | | | 2 | 2 | 4 | 11 |
| 20/ 19 | | .2 | | | | | | | | 2 | 2 | 2 | 12 |
| 18/ 17 | | | | | | | | | | | | | 2 |
| 16/ 15 | | | | | | | | | | | | | 3 |
| TOTAL | 7.2 | 46.8 | 30.1 | 12.3 | 3.0 | .2 | | .2 | .1 | | 863 | | 863 |
| | | | | | | | | | | 863 | | 863 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | |
|---|---|---|---|---|---|---|---|
| [illegible] | 5547666. | 68502. | 79.4 | 11.307. | 863 | | |
| [illegible] | 1435512. | 34740. | 40.3 | 6.523. | 863 | 10.1 | 93 |
| [illegible] | 1244562. | 32442. | 37.6 | 5.385. | 863 | 15.3 | 93 |
| [illegible] | 1326628. | 29420. | 34.1 | 5.242 | 863 | 35.6 | 93 |

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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 MAY

PAGE 1 18 JUL-07 UC

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61/ 61 | | | | | | .3 | .2 | | | 3 | 3 | | |
| 59/ 57 | | | | .3 | .2 | | | | | 4 | 4 | | |
| 57/ 55 | | | | .3 | .5 | .5 | | | | 6 | 6 | | |
| 54/ 53 | | | | 1.4 | .2 | | | | | 10 | 10 | | |
| 52/ 51 | | | | .8 | .2 | | | | | 6 | 6 | 4 | |
| 50/ 49 | | .3 | 1.8 | 1.1 | | | | | | 23 | 23 | 7 | |
| 48/ 47 | | 1.1 | 3.2 | 1.1 | | | | | | 34 | 34 | 14 | 2 |
| 46/ 45 | | 1.8 | 4.5 | 1.8 | | | | | | 50 | 50 | 33 | 9 |
| 44/ 43 | | 3.7 | 5.7 | 1.1 | | | | | | 72 | 72 | 55 | 18 |
| 42/ 41 | .5 | 5.7 | 5.3 | .8 | | | | | | 77 | 77 | 81 | 37 |
| 40/ 39 | .8 | 7.5 | 4.8 | .2 | .2 | | | | | 84 | 84 | 94 | 59 |
| 38/ 37 | .8 | 6.1 | 4.3 | .5 | | | | | | 73 | 73 | 81 | 77 |
| 36/ 35 | 1.3 | 5.6 | 1.3 | .2 | | | | | | 52 | 52 | 84 | 100 |
| 34/ 33 | 3.3 | 4.3 | .5 | .3 | | | | | | 51 | 51 | 85 | 78 |
| 32/ 31 | 2.6 | 5.4 | .2 | .2 | | | | | | 52 | 52 | 70 | 148 |
| 30/ 29 | | 1.1 | 1.1 | | | | | | | 14 | 14 | 27 | 48 |
| 28/ 27 | .2 | .8 | .2 | | | | | | | 7 | 7 | 13 | 43 |
| 26/ 25 | | .5 | | | | | | | | 3 | 3 | 6 | 41 |
| 24/ 23 | | .6 | | | | | | | | 4 | 4 | 2 | 6 |
| 22/ 21 | | | | | | | | | | | | 4 | 12 |
| 20/ 19 | | .5 | | | | | | | | 3 | 3 | 3 | 9 |
| 18/ 17 | | | | | | | | | | | | | 2 |
| 16/ 15 | | | | | | | | | | | | | 3 |
| 14/ 13 | | | | | | | | | | | | | 1 |
| TOTAL | 9.4 | 44.7 | 33.7 | 10.0 | 1.3 | .5 | .3 | .2 | | | 627 | | 627 |
| | | | | | | | | | | 627 | | 627 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N Obs | Max | Min | Range | Mean |
|---|---|---|---|---|---|---|---|---|---|
| | 4067148. | 50314. | 79.811 | 139. | 627 | | | | |
| | 1023862. | 25308. | 39.9 | 6.498. | 627 | 12.3 | | | 93 |
| | 892205. | 23437. | 37.3 | 5.419. | 627 | 15.9 | | | 93 |
| | 737743. | 21239. | 33.9 | 5.409. | 627 | 16.7 | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7L3O5O CAPE NEWENHAM AFS AK 73,75-80 MAY

PAGE 1 2100-2300

WET BULB TEMPERATURE DEPRESSION F

| | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|
| 56/ 55 | | | | | .5 | .2 | 4 | 4 | | |
| 54/ 53 | | .2 | | .3 | | .3 | 5 | 5 | | |
| 52/ 51 | | .2 | .3 | .5 | .5 | | 9 | 9 | 1 | 1 |
| 50/ 49 | | .5 | .6 | .6 | | | 11 | 11 | 2 | |
| 48/ 47 | | .2 | 1.6 | | | | 11 | 11 | 11 | 3 |
| 46/ 45 | | 1.1 | 2.2 | .2 | | | 22 | 22 | 17 | 1 |
| 44/ 43 | | 2.1 | 6.1 | .6 | | | 55 | 55 | [illegible] | 4 |
| 42/ 41 | .2 | 8.5 | 5.3 | 1.3 | | | 95 | 95 | [illegible] | [illegible] |
| 40/ 39 | .5 | 7.2 | 5.0 | .3 | | | 81 | 81 | 93 | [illegible] |
| 38/ 37 | 2.4 | 8.5 | 3.0 | .5 | | | 92 | 90 | 104 | 67 |
| 36/ 35 | 1.1 | 9.8 | .8 | | | | 73 | 73 | 90 | 103 |
| 34/ 33 | 3.0 | 4.9 | .8 | | | | 54 | 54 | 97 | 63 |
| 32/ 31 | 4.3 | 6.4 | .8 | .2 | | | 71 | 71 | 59 | 150 |
| 30/ 29 | 1.0 | 3.2 | .2 | .3 | | | 29 | 29 | 51 | 54 |
| 28/ 27 | | .6 | | | | | 4 | 4 | 12 | 50 |
| 26/ 25 | | 1.0 | | | | | 6 | 6 | 13 | 30 |
| 24/ 23 | | | | | | | | | | 10 |
| 22/ 21 | | | | | | | | | | 7 |
| 20/ 19 | | .5 | | | | | 3 | 3 | 2 | 2 |
| 18/ 17 | | | | | | | | | 1 | |
| 16/ 15 | | | | | | | | | | 2 |
| 14/ 13 | | | | | | | | | | 4 |
| TOTAL | 12.2 | 54.7 | 26.8 | 4.8 | 1.0 | .5 | 623 | 623 | 623 | 623 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | NO. OBS | | |
|---|---|---|---|---|---|---|---|
| | 4304885. | 51421. | 82.5 | 9.860. | 623 | | |
| | 926483. | 23765. | 38.1 | 5.062. | 623 | 15.9. | 93 |
| | 824839. | 22467. | 36.1 | 4.848. | 623 | 20.6. | 93 |
| | 698326. | 20630. | 33.1 | 4.341 | 623 | 43.1 | 93 |

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# PSYCHROMETRIC SUMMARY

7...SSC CAPE NE...NHAM AFS AK 73-82 MAY

 ALL

| | WET-BULB TEMPERATURE DEPRESSION F | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ...67 | | | | | | | .0 | | | 3 | 3 | | |
| ...66 | | | | | | | .0 | .0 | .0 | 4 | 4 | | |
| ...65 | | | | | | | .0 | | | 2 | 2 | | |
| ...64 | | | | | | | .0 | .0 | | 3 | 3 | | |
| ...59 | | | | .0 | .0 | .1 | .0 | .0 | | 12 | 12 | | |
| ...57 | | | | | .1 | .2 | .1 | | | 32 | 32 | | |
| ...56 | | | | .0 | .2 | .4 | .1 | | | 43 | 43 | 5 | |
| 54/ 53 | | | .0 | .1 | .5 | .2 | .0 | | | 57 | 57 | 5 | |
| ...51 | | | .0 | .4 | .6 | .2 | | | | 81 | 81 | .9 | 4 |
| ...49 | | | .1 | 1.1 | 1.3 | .1 | | | | 167 | 167 | 46 | 1 |
| ...47 | | | .5 | 1.9 | 1.1 | .2 | | | | 243 | 243 | 1...6 | .7 |
| 46/ 45 | | 1.2 | 2.7 | 1.3 | .1 | .1 | | | | 358 | 358 | 22... | 41 |
| 44/ 43 | | 2.9 | 4.4 | .9 | | | | | | 543 | 543 | ...8 | 9... |
| ...41 | .2 | 5.4 | 5.4 | 1.0 | .2 | | | | | 794 | 794 | 9... | 2... |
| 40/ 39 | .8 | 7.4 | 4.5 | .6 | .0 | | | | | 895 | 895 | 643 | 516 |
| 38/ 37 | .8 | 8.4 | 2.9 | .5 | | | | | | 834 | 834 | 959 | 741 |
| ...35 | 1.5 | 8.2 | 1.4 | .0 | | | | | | 735 | 735 | 994 | 905 |
| 34/ 33 | 2.8 | 7.2 | .9 | .1 | | | | | | 723 | 723 | 977 | 1730 |
| ...31 | 2.3 | 7.0 | .6 | .1 | | | | | | 665 | 665 | 896 | 1727 |
| 30/ 29 | .8 | 2.4 | .3 | .0 | | | | | | 240 | 240 | 505 | 677 |
| 28/ 27 | .2 | 1.0 | .0 | | | | | | | 77 | 77 | 143 | 457 |
| 26/ 25 | .2 | .8 | | | | | | | | 64 | 64 | 106 | 274 |
| 24/ 23 | | .2 | | | | | | | | 14 | 14 | ...0 | 99 |
| 22/ 21 | .0 | .2 | | | | | | | | 16 | 16 | 21 | 85 |
| 20/ 19 | | .5 | | | | | | | | 31 | 31 | 24 | 63 |
| 18/ 17 | | .0 | | | | | | | | 1 | 1 | 15 | 47 |
| 16/ 15 | | | | | | | | | | | | | 19 |
| 14/ 13 | | | | | | | | | | | | | 45 |
| 12/ 11 | | | | | | | | | | | | | 5 |
| TOTAL | 9.7 | 53.4 | 26.7 | 8.3 | 1.4 | .3 | .2 | .0 | .0 | | 6627 | | 6627 |
| | | | | | | | | | | 6627 | | 6627 | |

| | Σx | Σx | x̄ | σx | N Obs | Min | Max | |
|---|---|---|---|---|---|---|---|---|
| ...HUM | 44503068. | 533548. | 61.310 | .558. | 6627 | | | |
| ...TEMP | 10094389. | 255277. | 38.5 | 6.272. | 6627 | 124.4 | .3 | 744 |
| ...DEW | 8879592. | 240376. | 36.2 | 5.246. | 6627 | 172.8 | | 744 |
| ...PRES | 7412835. | 219981. | 33.2 | 5.167 | 6627 | 342.3 | | 744 |

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# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-82 JUN

PAGE 1 [illegible]

WET BULB TEMPERATURE DEPRESSION (F)

| | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|
| 56/ 55 | | | | .4 | | 3 | [illegible] | | |
| 54/ 53 | | .1 | .1 | .1 | | 3 | 3 | | |
| 52/ 51 | | .7 | 1.7 | .7 | .1 | 23 | 23 | [illegible] | |
| 50/ 49 | | 2.1 | 1.5 | .3 | | 28 | 28 | 11 | 3 |
| 48/ 47 | .1 | 5.9 | 5.6 | .7 | | 75 | 76 | [illegible] | 42 |
| 46/ 45 | 1.4 | 11.3 | 3.7 | | | 119 | 119 | [illegible] | 49 |
| 44/ 43 | 3.9 | 11.8 | 4.0 | .1 | | 144 | 144 | 156 | 111 |
| 42/ 41 | 2.9 | 13.1 | 1.8 | | | 129 | 129 | 146 | 121 |
| 40/ 39 | 1.5 | 6.7 | 1.1 | .1 | | 69 | 69 | 172 | 134 |
| 38/ 37 | 3.5 | 4.3 | 1.1 | | | 59 | 59 | 83 | 113 |
| 36/ 35 | 3.0 | 7.6 | | | | 42 | 42 | 73 | 64 |
| 34/ 33 | 1.9 | .6 | | | | 16 | 16 | 25 | 56 |
| 32/ 31 | .6 | | | | | 4 | 4 | 7 | 39 |
| 30/ 29 | | | | | | | | | 3 |
| 28/ 27 | | | | | | | | | 1 |
| TOTAL | 13.9 | 59.9 | 18.6 | 2.5 | .1 | | 727 | | 726 |
| | | | | | | 726 | | 726 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N | | |
|---|---|---|---|---|---|---|---|
| | 5641224. | 53676. | 67.7 | 8.737 | 726 | | |
| | 1342337. | 31103. | 42.8 | 4.293. | 727 | .5 | 93 |
| | 1239617. | 29873. | 41.1 | 3.828. | 726 | .9 | 93 |
| | 1131548 | 28510 | 39.3 | 4.062 | 726 | 5.3 | 93 |

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# PSYCHROMETRIC SUMMARY

70350 CAPE NEWENHAM AFS AK 73-82 JAN



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL HRS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | |
| 59/ 56 | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 54/ 53 | | | | | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 52/ 51 | | | | .8 | 1.4 | .1 | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | | |
| 50/ 49 | | .1 | 2.4 | 3.4 | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 13 | 1 |
| 48/ 47 | | .5 | 4.6 | 2.4 | .5 | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 46 | 42 |
| 46/ 45 | | 1.8 | 10.6 | 2.9 | .1 | | | | | | | | | | | | | | | | | | | | | | | 122 | 122 | 74 | 54 |
| 44/ 43 | | 3.4 | 1..9 | 4.3 | .5 | | | | | | | | | | | | | | | | | | | | | | | 152 | 152 | 150 | 108 |
| 42/ 41 | | 2.3 | 12.7 | 3.5 | | | | | | | | | | | | | | | | | | | | | | | | 148 | 148 | 146 | 130 |
| 40/ 39 | | 3.6 | 5.8 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | 124 | 100 |
| 38/ 37 | | 3.9 | 5.3 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | 79 | 79 | 90 | 121 |
| 36/ 35 | | 3.4 | 2.3 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 76 | 141 |
| 34/ 33 | | 1.9 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 71 | 71 |
| 32/ 31 | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 13 | 34 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 26/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 21.2 | 56.3 | 20.2 | 1.9 | .4 | | | | | | | | | | | | | | | | | | | | | | 796 | 796 | 796 | 796 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Min | Max | |
|---|---|---|---|---|---|---|---|---|
| Wet Bulb | 6222165. | 70017. | 88.0 | 8.931 | 796 | | | |
| Dry Bulb | 1453530. | 33842. | 42.5 | 4.305 | 796 | | .6 | |
| Wet Bulb | 1346174. | 32568. | 40.9 | 3.890 | 796 | | 1.5 | |
| Dew Point | 1231405. | 31127. | 39.1 | 4.227 | 796 | | 5.4 | |

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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 JAN



| DBT °F | WET BULB TEMPERATURE DEPRESSION °F 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | 33-34 | TOTAL OBS | TOTAL OBS | TOTAL | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55/ 53 | | | .4 | .4 | | | | | | | | | | | | | | | 6 | 6 | | |
| 54/ 53 | | .1 | .8 | .2 | .1 | | | | | | | | | | | | | | 11 | 11 | | |
| 52/ 51 | | .6 | 1.8 | .9 | .4 | | | | | | | | | | | | | | 33 | 33 | 7 | |
| 50/ 49 | | 2.7 | 2.7 | 1.2 | .4 | | | | | | | | | | | | | | 59 | 59 | 23 | 7 |
| 48/ 47 | .2 | 5.8 | 5.1 | 1.2 | | | | | | | | | | | | | | | 104 | 104 | 52 | 25 |
| 46/ 45 | 1.8 | 11.2 | 3.4 | .4 | | | | | | | | | | | | | | | 142 | 142 | 123 | 72 |
| 44/ 43 | 3.0 | 11.4 | 4.4 | .1 | | | | | | | | | | | | | | | 159 | 159 | 179 | 112 |
| 42/ 41 | 1.4 | 12.3 | 1.4 | | | | | | | | | | | | | | | | 128 | 128 | 251 | 146 |
| 40/ 39 | 3.3 | 6.5 | .8 | | | | | | | | | | | | | | | | 90 | 90 | 142 | 157 |
| 38/ 37 | 3.7 | 4.0 | .4 | | | | | | | | | | | | | | | | 68 | 68 | 93 | 158 |
| 36/ 35 | 2.0 | 2.0 | .2 | | | | | | | | | | | | | | | | 36 | 36 | 54 | 92 |
| 34/ 33 | .8 | .1 | | | | | | | | | | | | | | | | | 8 | 8 | 20 | 51 |
| 32/ 31 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 22 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 16.3 | 57.0 | 21.4 | 4.4 | .8 | | | | | | | | | | | | | | 845 | 845 | 845 | 845 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N Obs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 6421647. | 73231. | 86.7 | 9.437 | 845 | | | | | |
| | 1623519. | 36857. | 43.6 | 4.340 | 845 | .1 | | | | 93 |
| | 2468119. | 35321. | 41.8 | 3.723 | 845 | .1 | | | | 63 |
| | 135.142 | 33616. | 39.8 | 3.698 | 845 | 2.7 | | | | 23 |

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# PSYCHROMETRIC SUMMARY

7-3950 CAPE NEWENHAM AFS AK 73-82 JUN



| | 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 | OBS | CUM | MIN | CUM |
| 62/ 61 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 58/ 57 | | | | | | .5 | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 56/ 55 | | | | | .6 | .6 | .5 | | | | | | | | | | | | | | | | | | | 14 | 14 | | |
| 54/ 53 | | | .5 | 2.7 | 1.2 | .7 | | | | | | | | | | | | | | | | | | | | 43 | 43 | 6 | |
| 52/ 51 | | .1 | 1.4 | 3.2 | 2.5 | .5 | | | | | | | | | | | | | | | | | | | | 65 | 65 | 20 | 3 |
| 50/ 49 | | .2 | 3.5 | 4.9 | 2.3 | .2 | | | | | | | | | | | | | | | | | | | | 96 | 96 | 52 | 16 |
| 48/ 47 | | .7 | 6.8 | 7.9 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | 129 | 129 | 97 | 45 |
| 46/ 45 | 2.2 | 11.9 | 4.1 | | | | | | | | | | | | | | | | | | | | | | | 156 | 156 | 171 | 91 |
| 44/ 43 | .5 | 11.4 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | 129 | 129 | 144 | 134 |
| 42/ 41 | .8 | 8.3 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | 90 | 90 | 143 | 164 |
| 40/ 39 | 2.8 | 5.5 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 179 | 148 |
| 38/ 37 | 2.0 | 3.4 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | 44 | 127 |
| 36/ 35 | 1.1 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 73 | 73 |
| 34/ 33 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 6 | 29 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 9 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 28/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 10.5 | 53.9 | 24.8 | 8.1 | 2.7 | | | | | | | | | | | | | | | | | | | | | | 854 | | 854 |

| | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | N Obs | Max | Min | Mean | Std Dev | Median |
|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 6213011. | 72269. | 84.6 | 10.493 | 854 | | | | | |
| Dew Point | 1776384. | 38738. | 45.4 | 4.745 | 854 | | | | | 92 |
| Wet Bulb | 1632161. | 36843. | 43.1 | 3.857 | 854 | | .1 | | | 93 |
| Dew Point | 1436120. | 34858. | 40.8 | 3.950 | 854 | | 1.5 | | | 93 |

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# PSYCHROMETRIC SUMMARY

725056 CAPE NEWENHAM AFS AK 73-82 JUN



| F | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL OBS | 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+ | | | | | | | | | | |
| 64/ 63 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 62/ 61 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | | | .1 | .1 | | .1 | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 58/ 57 | | | | .5 | | 1.5 | .1 | | | | | | | | | | | | | | | | | | | 17 | 17 | | |
| 56/ 55 | | | .2 | .6 | 1.8 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | 33 | 33 | 2 | |
| 54/ 53 | | | .5 | 2.2 | 3.2 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | 57 | 57 | 9 | 2 |
| 52/ 51 | | | 1.3 | 4.2 | 2.1 | .1 | | | | | | | | | | | | | | | | | | | | 63 | 63 | 20 | 5 |
| 50/ 49 | | .2 | 2.8 | 6.2 | 1.7 | | | | | | | | | | | | | | | | | | | | | 92 | 92 | 66 | 17 |
| 48/ 47 | | 1.0 | 9.3 | 6.6 | .5 | | | | | | | | | | | | | | | | | | | | | 142 | 142 | 116 | 39 |
| 46/ 45 | | .4 | 11.4 | 5.4 | .2 | | | | | | | | | | | | | | | | | | | | | 142 | 142 | 167 | 64 |
| 44/ 43 | | | 9.6 | 2.8 | .1 | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 157 | 146 |
| 42/ 41 | | .4 | 7.3 | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | 76 | 76 | 127 | 107 |
| 40/ 39 | | 1.8 | 4.4 | .9 | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 102 | 152 |
| 38/ 37 | | 1.5 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 41 | 96 |
| 36/ 35 | | .4 | .7 | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 22 | 56 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 5.7 | 49.0 | 33.0 | 8.1 | 1.0 | .3 | .8 | .7 | | | | | | | | | | | | | | | | | | 819 | | 819 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 819 | | 819 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | N. Obs | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5583421. | 67263. | 81.910 | 0.637 | 819 | | | | | | | | |
| | 1833265. | 38221. | 46.7 | 4.894 | 819 | | | | | | | | x3 |
| | 1597741. | 36039. | 44.0 | 3.813 | 819 | | | | | | | | x3 |
| | 1402419. | 33749. | 41.2 | 3.783 | 819 | | | | 1.1 | | | | x3 |

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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 JUN



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| 47/ 63 | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 62/ 61 | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 57/ 59 | | | | | | .3 | .4 | .4 | | | | | | | | | | | | | | | | | | | | 8 | 8 | | |
| 52/ 57 | | | | | .3 | .7 | 1.5 | .3 | | | | | | | | | | | | | | | | | | | | 20 | 20 | | |
| 48/ 55 | | | | | .1 | 1.7 | .6 | .1 | | | | | | | | | | | | | | | | | | | | 18 | 18 | 1 | |
| 47/ 53 | | | .4 | 2.6 | 1.9 | .8 | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 9 | 1 |
| 42/ 51 | | 1.3 | 3.1 | 3.9 | | | | | | | | | | | | | | | | | | | | | | | | 59 | 59 | 21 | 4 |
| 42/ 49 | | 3.9 | 5.7 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 78 | 78 | 61 | 10 |
| 46/ 47 | .3 | 7.5 | 6.8 | .6 | | | | | | | | | | | | | | | | | | | | | | | | 109 | 109 | 61 | 35 |
| 46/ 45 | .6 | 12.6 | 5.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 133 | 133 | 150 | 62 |
| 44/ 43 | .6 | 9.6 | 3.8 | | | | | | | | | | | | | | | | | | | | | | | | | 100 | 100 | 143 | 112 |
| 42/ 41 | .4 | 7.9 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | 74 | 74 | 127 | 165 |
| 4 / 39 | 1.8 | 4.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 90 | 154 |
| 36/ 37 | 1.0 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 37 | 92 |
| 3 / 35 | .4 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 19 | 46 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 22 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 31/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 5.0 | 49.2 | 33.7 | 10.6 | 3.6 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | 720 | 720 | | 720 |

| Elements | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | Nr Obs | Max | Min | Mean | Std Dev | Median | Mode | Mode Freq |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 487.320. | 56736. | 81.610 | .467. | 720 | | | | | | | |
| Dew Point | 158.897. | 33565. | 46.6. 5 | .426. | 720 | | | | | | | 52 |
| Wet Bulb | 1399646. | 31624. | 43.9. 3 | .849. | 720 | | | | | | | 50 |
| Vap Press | 122436.1 | 29573. | 41.1 3 | .671 | 720 | | | | .9 | | | 42 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7L5300 CAPE NEWENHAM AFS AK 75-82 JUN

PAGE 1 1600-2000

WET BULB TEMPERATURE DEPRESSION (F)

| D.B./W.B. | 0 | 1-2 | 3-4 | 5-6 | 7-8 | TOTAL D.B. | W.B. | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|
| 60/ 59 | | | | | .2 | 1 | 1 | | |
| 58/ 57 | | | | .4 | .4 | 4 | 4 | | |
| 56/ 55 | | | .9 | .6 | 1.1 | 12 | 12 | | |
| 54/ 53 | | | 1.1 | 1.7 | .6 | 16 | 16 | 1 | |
| 52/ 51 | | .6 | 1.3 | .9 | | 13 | 13 | 6 | |
| 50/ 49 | | 2.4 | 6.7 | 1.5 | | 49 | 49 | 10 | 6 |
| 48/ 47 | 1.5 | 10.6 | 5.4 | .6 | | 84 | 64 | 53 | 21 |
| 46/ 45 | 1.3 | 16.6 | 3.7 | .2 | | 101 | 101 | 103 | 40 |
| 44/ 43 | .5 | 13.6 | 1.5 | .4 | | 75 | 75 | 102 | 94 |
| 42/ 41 | .9 | 10.8 | 1.1 | | | 59 | 59 | 35 | 103 |
| 40/ 39 | .9 | 6.5 | | | | 34 | 34 | 59 | 59 |
| 38/ 37 | .9 | 1.7 | | | | 12 | 12 | 31 | 22 |
| 36/ 35 | | .9 | | | | 4 | 4 | 4 | 40 |
| 34/ 33 | | | | | | | | 3 | 9 |
| TOTAL | 6.0 | 63.6 | 21.6 | 6.5 | 2.4 | | 464 | | 464 |
| | | | | | | 464 | | 464 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature |
|---|---|---|---|---|---|---|
| | 3360267. | 39253. | 84.6 | 9.248 | 464 | |
| | 970701. | 21133. | 45.5 | 4.222 | 464 | 92 |
| | 878242. | 20126. | 43.4 | 3.376 | 464 | 92 |
| | 786863. | 19045. | 41.0 | 3.337 | 464 | 92 |

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# PSYCHROMETRIC SUMMARY

713050 CAPE NEWENHAM AFS AK 75-82 JUN



| DB | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL % | TOTAL OBS | TOTAL % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | >30 | | | | |
| 60/ 57 | | | | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 58/ 53 | | | | | | .6 | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | 11 | 1 | | |
| 56/ 51 | | | | 1.1 | 1.5 | .6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 19 | 1 | 3 | |
| 54/ 49 | | | | 3.0 | 2.1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 1 | 14 | 2 |
| 52/ 47 | | | .9 | 7.6 | 3.7 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | 72 | 2 | 42 | 7 |
| 50/ 45 | | 2.1 | 11 | 4.2 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 3 | 80 | 15 |
| 48/ 43 | | 1.9 | 15 | .9 | 3.0 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | 114 | 3 | 125 | 26 |
| 46/ 41 | | .6 | 14 | .7 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 2 | 119 | 26 |
| 44/ 39 | | .9 | 5.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 1 | 67 | 15 |
| 42/ 37 | | 2.4 | 5.4 | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 1 | 44 | 8 |
| 40/ 35 | | 1.5 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 1 | 23 | 4 |
| 38/ 33 | | .6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 1 | 9 | 2 |
| 36/ 31 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| 34/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | | 11.0 | 69.0 | 14.9 | 4.5 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | 536 | | 536 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | |
|---|---|---|---|---|---|---|---|---|
| | 4094483. | 46623. | 87.0 | 8.545 | 536 | | | |
| | 1041668. | 23526. | 43.9 | 4.122 | 536 | .2 | | .2 |
| | 958856. | 22588. | 42.1 | 3.593 | 536 | .2 | | .2 |
| | 473273. | 21539. | 40.2 | 3.753 | 536 | 1.8 | | .2 |

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# PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-82 JUN

PAGE 1 ALL

| Temp. (F) | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | Total D.B./W.B. | Total D.B. | Total W.B. | Total Dew Pt. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 64/ 63 | | | | | | .0 | .0 | 2 | 2 | | |
| 62/ 61 | | | | .0 | .1 | | | 5 | 5 | | |
| 60/ 59 | | | .0 | .1 | .1 | .1 | | 13 | 13 | | |
| 58/ 57 | | | .1 | .1 | .5 | .1 | | 46 | 46 | | |
| 56/ 55 | | .0 | .3 | .7 | .4 | .1 | | 88 | 88 | 2 | |
| 54/ 53 | | .2 | 1.3 | 1.2 | .4 | .0 | | 186 | 186 | 21 | 3 |
| 52/ 51 | .0 | 1.0 | 2.3 | 1.5 | .2 | | | 293 | 293 | 91 | 12 |
| 50/ 49 | .1 | 2.9 | 4.1 | 1.2 | .1 | | | 481 | 481 | 253 | 61 |
| 48/ 47 | .5 | 7.1 | 4.7 | .9 | .0 | | | 759 | 760 | 515 | 267 |
| 46/ 45 | 1.4 | 12.2 | 4.0 | .1 | | | | 1018 | 1015 | 955 | 507 |
| 44/ 43 | 1.8 | 11.5 | 3.5 | .2 | | | | 976 | 976 | 1195 | 893 |
| 42/ 41 | 1.2 | 10.7 | 1.7 | .0 | | | | 786 | 786 | 1026 | 1132 |
| 40/ 39 | 2.2 | 5.6 | .8 | .0 | | | | 499 | 499 | 675 | 1069 |
| 38/ 37 | 2.5 | 3.4 | .4 | .0 | | | | 361 | 361 | 486 | 857 |
| 36/ 35 | 1.5 | 1.5 | .1 | | | | | 180 | 180 | 313 | 546 |
| 34/ 33 | .7 | .3 | | | | | | 56 | 56 | 98 | 295 |
| 32/ 31 | .2 | | | | | | | 11 | 11 | 23 | 105 |
| 30/ 29 | | | | | | | | | | | 27 |
| 28/ 27 | | | | | | | | | | | 3 |
| 26/ 25 | | | | | | | | | | | 1 |
| 24/ 23 | | | | | | | | | | | 1 |
| 22/ 21 | | | | | | | | | | | 1 |
| TOTAL | 12.2 | 56.3 | 23.3 | 6.1 | 1.9 | .2 | .0 | 5760 | 5761 | 5760 | 5760 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | | Total |
|---|---|---|---|---|---|---|---|
| [illegible] | 42406578. | 490890. | 85.2 | 9.957. | 5760 | | |
| [illegible] | 11594401. | 256965. | 44.6 | 4.799. | 5761 | 1.4. | 720 |
| [illegible] | 10510706. | 245002. | 42.5 | 3.943. | 5760 | 2.9. | 720 |
| [illegible] | 9435931 | 232017 | 40.3 | 3.956 | 5760 | 19.7 | 720 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7L3DLD    CAPE NEWENHAM AFS AK    73-82    JUL

PAGE 1    0000-0200

| | WET BULB TEMPERATURE DEPRESSION (F) | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | D.B. | W.B. | | |
| 66/ 65 | | | | | .1 | 1 | 1 | | |
| 64/ 63 | | | | .2 | .7 | 8 | 8 | | |
| 62/ 61 | | | | .2 | | 2 | 2 | | |
| 60/ 59 | | | .5 | .9 | | 12 | 12 | | |
| 58/ 57 | | .2 | .3 | .5 | .1 | 10 | 10 | 4 | |
| 56/ 55 | | 1.0 | 1.5 | .9 | .1 | 31 | 31 | 15 | 2 |
| 54/ 53 | .5 | 1.2 | 3.4 | .7 | .1 | 50 | 50 | 27 | 15 |
| 52/ 51 | .2 | 2.6 | 4.1 | .8 | | 101 | 101 | 48 | 16 |
| 50/ 49 | 1.5 | 11.4 | 3.8 | .7 | .1 | 152 | 152 | 171 | 74 |
| 48/ 47 | 1.5 | 13.5 | 1.9 | | | 146 | 146 | 179 | 143 |
| 46/ 45 | 3.5 | 15.4 | 1.4 | | | 175 | 175 | 191 | 167 |
| 44/ 43 | 2.6 | 8.5 | .3 | | | 98 | 98 | 159 | 158 |
| 42/ 41 | 1.9 | 4.4 | .6 | .1 | | 60 | 60 | 97 | 156 |
| 40/ 39 | 1.2 | .3 | | | | 13 | 13 | 33 | 70 |
| 38/ 37 | .3 | | | | | 3 | 3 | 7 | 12 |
| 36/ 35 | | | | | | | | 1 | 4 |
| 34/ 33 | | | | | | | | | 7 |
| 30/ 29 | | | | | | | | | 1 |
| TOTAL | 13.3 | 62.5 | 17.7 | 5.1 | 1.3 | | 862 | | 862 |
| | | | | | | 862 | | 862 | |

| [illegible] | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | Mean No. of Hours with Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 6773113. | 75995. | 88.2 | 9.227. | 862 | | | | | | | | |
| [illegible] | 2305262. | 41403. | 48.0 | 4.432. | 862 | | | | | | | | 93 |
| [illegible] | 1852855. | 39839. | 46.2 | 3.673. | 862 | | | | | | | | 93 |
| [illegible] | 1725504 | 38436 | 44.6 | 3.681 | 862 | | .1 | | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7-3352 CAPE NEWENHAM AFS AK 73-82 JUL



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | OB | % | OB | % |
| 64/ 53 | | | .3 | .1 | .4 | | | | | | | | | | | | | | | | | | | | | | | 8 | | 9 | |
| 62/ 61 | | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 3 | |
| 6 / 59 | | | | .5 | | | | | | | | | | | | | | | | | | | | | | | | 5 | | 5 | |
| 58/ 57 | | .1 | 1.0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 14 | | 14 | |
| 56/ 55 | | .9 | 1.3 | .9 | | | | | | | | | | | | | | | | | | | | | | | | 28 | | 28 | |
| 54/ 53 | .1 | 1.3 | 1.4 | .7 | | | | | | | | | | | | | | | | | | | | | | | | 32 | | 32 | |
| 52/ 51 | .3 | 6.9 | 3.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | 107 | | 107 | |
| 50/ 49 | 2.5 | 10.8 | 4.4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 163 | | 163 | |
| 48/ 47 | 2.5 | 13.8 | 1.9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 168 | | 168 | |
| 46/ 45 | 3.5 | 15.8 | 1.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 191 | | 191 | |
| 44/ 43 | 3.8 | 8.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 121 | | 121 | |
| 42/ 41 | 1.1 | 3.7 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 46 | | 46 | |
| 4 / 39 | 1.7 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | 21 | |
| 38/ 37 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | 6 | |
| 36/ 35 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 16.4 | 62.6 | 16.2 | 4.4 | .4 | | | | | | | | | | | | | | | | | | | | | | | 915 | | 915 | |

| | $\Sigma x$ | $\Sigma x^2$ | $\bar{x}$ | $\sigma_x$ | No Obs | Min | Max | Range |
|---|---|---|---|---|---|---|---|---|
| | 7.91249. | 812395. | 86.8 | 8.653 | 915 | | | |
| | 2.96545. | 43625. | 47.7 | 4.263 | 915 | | | 33 |
| | 1940521. | 42095. | 46.2 | 3.610 | 915 | | | 23 |
| | 1622368. | 40638. | 44.5 | 3.652 | 915 | .4 | | 93 |

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# PSYCHROMETRIC SUMMARY

70330 CAPE NEWENHAM AFS AK 73-82 JUL

PAGE 1 0600-0800

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | TOTAL D.B./W.B. | D.B. | TOTAL W.B. | Dew Pt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66/ 65 | | | | | .2 | | .1 | | 3 | 3 | | |
| 64/ 63 | | | | | | | | .1 | 1 | 1 | | |
| 62/ 61 | | | .1 | .2 | .1 | | | | 4 | 4 | | |
| 60/ 59 | | | .5 | 1.2 | .3 | | | | 19 | 19 | 2 | |
| 58/ 57 | | .1 | 1.6 | .8 | | | | | 23 | 23 | 1 | |
| 56/ 55 | | .8 | 2.4 | .9 | .2 | | | | 39 | 39 | 19 | 1 |
| 54/ 53 | .2 | 2.7 | 2.8 | .9 | | | | | 51 | 51 | 37 | 14 |
| 52/ 51 | 1.2 | 6.5 | 4.2 | .2 | | | | | 110 | 110 | 73 | 45 |
| 50/ 49 | 3.4 | 12.1 | 4.5 | | | | | | 193 | 193 | 147 | 125 |
| 48/ 47 | 2.1 | 12.5 | 1.7 | .1 | | | | | 163 | 163 | 187 | 159 |
| 46/ 45 | 2.4 | 16.5 | .7 | | | | | | 160 | 160 | 211 | 176 |
| 44/ 43 | 2.3 | 7.5 | .1 | | | | | | 91 | 91 | 146 | 200 |
| 42/ 41 | 1.4 | 1.7 | .1 | | | | | | 30 | 30 | 55 | 140 |
| 40/ 39 | 1.2 | .2 | | | | | | | 13 | 13 | 20 | 46 |
| 38/ 37 | .1 | | | | | | | | 1 | 1 | 3 | 10 |
| 36/ 35 | | | | | | | | | | | | 2 |
| 32/ 31 | | | | | | | | | | | | 1 |
| TOTAL | 14.3 | 61.9 | 18.8 | 4.2 | .9 | | .1 | .1 | 921 | 921 | 921 | 921 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 7246660. | 81288. | 88.3 | 8.856. | 921 | | | | | | | |
| Dry Bulb | 2197822. | 44816. | 48.7 | 4.327. | 921 | | | | | | | 93 |
| Wet Bulb | 2033450. | 43158. | 46.9 | 3.469. | 921 | | | | | | | 93 |
| Dew Point | 18965.3 | 41679 | 45.3 | 3.355 | 921 | | .1 | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7_3D5D CAPE NEWENHAM AFS AK 73-82 JUL

PAGE 1 2970-1100

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | TOTAL D B | W B | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | | | | |
| 68/ 67 | | | | | .1 | | .1 | 2 | 2 | | |
| 66/ 65 | | | | .2 | .5 | | | 7 | 7 | | |
| 64/ 63 | | | .1 | .3 | .7 | .1 | | 7 | 7 | | |
| 62/ 61 | | | .1 | 1.0 | .4 | .2 | | 16 | 16 | | |
| 60/ 59 | | | .7 | 1.1 | .2 | | | 16 | 16 | 5 | |
| 58/ 57 | | .7 | 2.4 | 1.2 | .8 | | | 46 | 46 | 9 | 1 |
| 56/ 55 | | .9 | 3.6 | .7 | .2 | | | 49 | 49 | 33 | 7 |
| 54/ 53 | .2 | 3.4 | 4.2 | 1.6 | | | | 87 | 87 | [illegible] | 49 |
| 52/ 51 | 2.4 | 9.2 | 6.0 | .4 | | | | 166 | 166 | 115 | 79 |
| 50/ 49 | 1.6 | 21.6 | 5.8 | .7 | | | | 181 | 181 | 179 | [illegible] |
| 48/ 47 | 2.5 | 13.6 | 1.6 | | | | | 163 | 163 | [illegible] | [illegible] |
| 46/ 45 | 3.0 | 9.8 | .1 | | | | | 119 | 119 | 199 | [illegible] |
| 44/ 43 | .7 | 3.7 | | | | | | 40 | 40 | [illegible] | [illegible] |
| 42/ 41 | 1.0 | .9 | .1 | | | | | 18 | 18 | [illegible] | 69 |
| 40/ 39 | | | | | | | | | | 5 | 11 |
| 38/ 37 | | | | | | | | | | | 4 |
| 36/ 35 | | | | | | | | | | | 1 |
| TOTAL | 11.4 | 53.8 | 24.7 | 7.2 | 2.5 | .3 | .1 | | 919 | | 919 |
| | | | | | | | | 919 | | 919 | |

| ELEMENT | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | | |
|---|---|---|---|---|---|---|---|
| REL HUM | 6941213. | 79355. | 86.3 | 9.844. | 919 | | |
| DRY BULB | 2349425. | 46279. | 50.4 | 4.538 | 919 | .2 | 93 |
| WET BULB | 2143208. | 44266. | 48.2 | 3.465. | 919 | | 93 |
| DEW POINT | 1979175 | 42543 | 46.3 | 3.258 | 919 | | 93 |

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# PSYCHROMETRIC SUMMARY

70300 CAPE NEWENHAM AFS AK 72-82 JUL

PAGE 1 1200-1400

WET BULB TEMPERATURE DEPRESSION (F)

| Temp. (F) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total D.B. | Total W.B. | Total D.P. (W.B.) | Total D.P. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74/ 73 | | | | | | | | .1 | 1 | 1 | | |
| 70/ 69 | | | | | | .2 | | | 2 | 2 | | |
| 68/ 67 | | | | | | .3 | .2 | | 5 | 5 | | |
| 66/ 65 | | | | | .2 | .1 | | | 3 | 3 | | |
| 64/ 63 | | .1 | .1 | .3 | .4 | .2 | | | 11 | 11 | | |
| 62/ 61 | | | .4 | 1.1 | .8 | .3 | | | 24 | 24 | 2 | |
| 60/ 59 | | .1 | .9 | 1.5 | .3 | | | | 26 | 26 | 5 | [illegible] |
| 58/ 57 | | .4 | 2.0 | 1.5 | 1.2 | | | | 47 | 47 | 11 | 1 |
| 56/ 55 | .1 | 1.7 | 4.1 | 2.3 | .4 | | | | 80 | [illegible] | 54 | 5 |
| 54/ 53 | .2 | 5.8 | 9.0 | 1.8 | | | | | 155 | 155 | 55 | 22 |
| 52/ 51 | 1.1 | 7.5 | 5.6 | 1.0 | .1 | | | | 168 | 168 | [illegible] | 52 |
| 50/ 49 | 1.3 | 11.7 | 4.9 | .2 | | | | | 157 | 157 | 207 | 137 |
| 48/ 47 | 1.3 | 12.2 | 1.1 | .1 | | | | | 135 | 135 | 237 | 168 |
| 46/ 45 | 1.1 | 5.3 | .5 | | | | | | 64 | 64 | 150 | 237 |
| 44/ 43 | .3 | 2.[illegible] | | | | | | | 21 | 21 | 39 | 153 |
| 42/ 41 | .3 | .9 | | | | | | | 11 | 11 | 17 | 65 |
| 40/ 39 | | | | | | | | | | | 3 | 18 |
| 38/ 37 | | | | | | | | | | | | 7 |
| TOTAL | 5.8 | 47.7 | 31.6 | 9.9 | 3.5 | 1.2 | .2 | .1 | | 920 | | 920 |
| | | | | | | | | | 920 | | 920 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6472582. | 76572. | 83.2 | 10.403 | 920 | | | | | | | |
| Dry Bulb | 2477099. | 47549. | 51.7 | 4.617 | 920 | | | .8 | .1 | | | [illegible] |
| Wet Bulb | 2215609. | 45039. | 49.0 | 3.413 | 920 | | | | | | | 93 |
| Dew Point | 2005354. | 42844. | 46.6 | 3.320 | 920 | | | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

71305C CAPE NEWENHAM AFS AK 73-82 JUL

PAGE 1 1500-1700

WET BULB TEMPERATURE DEPRESSION F

| | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70/ 71 | | | | | | | | .1 | 1 | 1 | | |
| 70/ 69 | | | | .1 | | | .2 | .1 | 4 | 4 | | |
| 68/ 67 | | | | | | .2 | .3 | | 5 | 5 | | |
| 66/ 65 | | | | .1 | .3 | .2 | | | 6 | 6 | | |
| 64/ 63 | | .1 | | .5 | 1.0 | .2 | | | 16 | 16 | . | |
| 62/ 61 | | | .1 | 1.2 | .1 | .5 | | | 16 | 16 | 1 | |
| 60/ 59 | | | 1.3 | 1.2 | .9 | | | | 29 | 29 | 4 | 2 |
| 58/ 57 | | .6 | .9 | 2.2 | 1.0 | .1 | | | 42 | 42 | 21 | 1 |
| 56/ 55 | | .5 | 4.2 | 2.4 | .3 | | | | 65 | 65 | 78 | 6 |
| 54/ 53 | .3 | 4.9 | 8.2 | 3.8 | .1 | | | | 150 | 150 | 76 | 42 |
| 52/ 51 | .5 | 7.5 | 6.8 | .6 | | | | | 133 | 133 | 176 | 54 |
| 50/ 49 | 1.5 | 13.3 | 5.8 | .7 | | | | | 184 | 184 | 195 | 144 |
| 48/ 47 | .8 | 11.3 | 1.2 | | | | | | 115 | 115 | 220 | 191 |
| 46/ 45 | 1.2 | 6.3 | | | | | | | 69 | 69 | 101 | 226 |
| 44/ 43 | .5 | 2.3 | | | | | | | 24 | 24 | 47 | 164 |
| 42/ 41 | | .5 | | | | | | | 4 | 4 | 14 | 69 |
| 40/ 39 | .1 | | | | | | | | 1 | 1 | 1 | 12 |
| 38/ 37 | | | | | | | | | | | | 3 |
| TOTAL | 4.9 | 47.9 | 28.5 | 12.7 | 3.9 | 1.3 | .6 | .2 | | 864 | | 864 |
| | | | | | | | | | 864 | | 864 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | |
|---|---|---|---|---|---|---|---|
| | 6031792 | 71380. | 82.6 | 10.979. | 864 | | |
| | 2330357. | 44675. | 51.7 | 4.822. | 864 | 1.1 | 93 |
| | 2071936. | 42238. | 48.9. | 3.412. | 864 | | 93 |
| | 1865544 | 40054 | 46.4 | 3.173 | 864 | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-82 JUL

PAGE 1 [illegible]

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 | 2 | 3 | 4 | 5-6 | 7-8 | 9-10 | TOTAL D.B. | W.B. | D.P. | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70/ 69 | | | | | | | | .3 | 2 | 2 | | |
| 68/ 67 | | | | | | | .4 | | 3 | 3 | | |
| 66/ 65 | | | .7 | .3 | .3 | | .1 | .1 | 4 | 3 | | |
| 64/ 63 | | .1 | | | .3 | | | | 3 | 3 | | |
| 62/ 61 | | | | .4 | 1.0 | .3 | | | 12 | 12 | 5 | 1 |
| 60/ 59 | | | .4 | 1.5 | .3 | | | | 15 | 15 | [illegible] | 2 |
| 58/ 57 | | .9 | 1.2 | 1.0 | .1 | | | | 22 | 22 | 4 | |
| 56/ 55 | | .7 | 1.9 | 2.7 | .7 | | | | 41 | 41 | 33 | 2 |
| 54/ 53 | .1 | 4.9 | 4.0 | .7 | .1 | | | | 67 | 67 | 19 | 17 |
| 52/ 51 | 1.2 | 9.3 | 3.6 | 1.2 | | | | | 103 | 103 | 86 | 39 |
| 50/ 49 | 2.5 | 13.5 | 4.0 | .1 | | | | | 136 | 136 | 140 | 67 |
| 48/ 47 | 1.6 | 15.1 | 3.0 | | | | | | 133 | 133 | 140 | 155 |
| 46/ 45 | 2.2 | 10.4 | .1 | | | | | | 86 | 86 | 154 | 165 |
| 44/ 43 | .9 | 4.9 | | | | | | | 39 | 39 | 72 | 137 |
| 42/ 41 | | .9 | | | | | | | 6 | 6 | 24 | 63 |
| 40/ 39 | | | | | | | | | | | 1 | 20 |
| 38/ 37 | | | | | | | | | | | | 1 |
| TOTAL | 8.6 | 60.7 | 18.5 | 8.0 | 3.0 | .3 | .6 | .4 | 676 | 676 | 676 | 676 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|
| Rel. Hum. | 5046803. | 57973. | 85.8 | 10.548 | 676 | | |
| Dry Bulb | 1728936. | 34038. | 50.4 | 4.722 | 676 | .7 | 93 |
| Wet Bulb | 1569917. | 32491. | 48.1 | 3.503 | 676 | | 93 |
| Dew Point | 1441998. | 31142. | 46.1 | 3.299 | 676 | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72365 CAPE NEWENHAM AFS AK 74-82 JUL



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL OBS | 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 | | | | |
| 68/ 67 | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | | | | .4 | | .3 | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | |
| 64/ 63 | | | | | .1 | | | .6 | | .1 | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | | |
| 62/ 61 | | | | | .1 | .3 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 60/ 59 | | | | | .3 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 4 | |
| 58/ 57 | | | | 1.0 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 9 | 1 |
| 56/ 55 | | | .6 | 2.5 | .6 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 8 | 1 |
| 54/ 53 | | .1 | 1.8 | 3.7 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 29 | 7 |
| 52/ 51 | | 1.6 | 7.1 | 3.4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | 52 | 38 |
| 50/ 49 | | 3.7 | 11.0 | 4.1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 133 | 133 | 114 | 86 |
| 48/ 47 | | 1.9 | 13.1 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 117 | 117 | 157 | 156 |
| 46/ 45 | | 3.1 | 14.4 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 128 | 128 | 157 | 152 |
| 44/ 43 | | 1.9 | 7.6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 175 | 135 |
| 42/ 41 | | 1.5 | 2.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 54 | 1.3 |
| 40/ 39 | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 12 | 40 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 7 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 14.6 | 58.7 | 19.3 | 5.0 | 1.9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 660 | 5.0 | | 660 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 660 | | 6.0 | |

| | Σx² | Σx | x̄ | σx | No Obs | | |
|---|---|---|---|---|---|---|---|
| | 5295197. | 59655. | 87.7 | 9.539. | 660 | | |
| | 184.172. | 13254. | 48.9 | 4.533. | 660 | .1. | 93 |
| | 151094.3. | 31955. | 47.0 | 3.609. | 660 | | 93 |
| | 140387.3 | 30846. | 45.3 | 3.489 | 660 | | 93 |

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# PSYCHROMETRIC SUMMARY

73382 CAPE NEWENHAM AFS AK 73-82 JUL

PAGE 1 ALL

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 74/ 73 | | | | | | | | | | | | | | | .0 | | | | | | | | | | | 1 | 1 | | |
| 72/ 71 | | | | | | | | | | | | | | | .0 | | | | | | | | | | | 1 | 1 | | |
| 70/ 69 | | | | | | .0 | | | | .0 | | .0 | .0 | | .0 | | | | | | | | | | | 6 | 6 | | |
| 68/ 67 | | | | | | | | .0 | | .1 | | .1 | | | | | | | | | | | | | | 16 | 15 | | |
| 66/ 65 | | | | | .0 | | .1 | | .3 | | .1 | | .0 | | .0 | | | | | | | | | | | 33 | 32 | | |
| 64/ 63 | | | | .0 | | .1 | | .2 | | .5 | | .1 | | | .0 | | | | | | | | | | | 63 | 62 | 1 | |
| 62/ 61 | | | | | | .1 | | .6 | | .7 | | .2 | | | | | | | | | | | | | | 81 | 81 | 5 | 1 |
| 60/ 59 | | | | .1 | | .6 | | 1.1 | | .3 | | | | | | | | | | | | | | | | 120 | 120 | 23 | 5 |
| 58/ 57 | | | | .4 | | 1.3 | | 1.1 | | .4 | | .0 | | | | | | | | | | | | | | 220 | 220 | 64 | 4 |
| 56/ 55 | | .2 | | 1.2 | | 2.7 | | 1.4 | | .3 | | | | | | | | | | | | | | | | 372 | 372 | 126 | 10 |
| 54/ 53 | | .2 | | 3.2 | | 4.6 | | 1.4 | | .0 | | | | | | | | | | | | | | | | 647 | 647 | 289 | 14 |
| 52/ 51 | | 1.2 | | 7.5 | | 5.2 | | .6 | | .2 | | | | | | | | | | | | | | | | 973 | 973 | 556 | 39 |
| 50/ 49 | | 2.2 | | 11.9 | | 4.7 | | .4 | | .0 | | | | | | | | | | | | | | | | 1299 | 1299 | 1214 | 405 |
| 48/ 47 | | 1.8 | | 13.2 | | 1.8 | | .1 | | | | | | | | | | | | | | | | | | 1142 | 1142 | 1484 | 1056 |
| 46/ 45 | | 2.5 | | 11.8 | | .7 | | .1 | | | | | | | | | | | | | | | | | | 1312 | 1312 | 1415 | 1545 |
| 44/ 43 | | 1.6 | | 5.6 | | .1 | | | | | | | | | | | | | | | | | | | | 540 | 540 | 878 | 1313 |
| 42/ 41 | | .9 | | 1.9 | | .2 | | .0 | | | | | | | | | | | | | | | | | | 201 | 201 | 567 | 852 |
| 40/ 39 | | .6 | | .1 | | .0 | | | | | | | | | | | | | | | | | | | | 63 | 63 | 111 | 269 |
| 38/ 37 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 19 | 84 |
| 36/ 35 | | .0 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 21 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 11. | 15. | 6. | 22. | 1 | 7. | 1. | 2. | 1 | .5 | | .2 | | .1 | | | | | | | | | | | | | 6757 | | 6757 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 6757 | | 6757 | |

| | Σx | Σx | x̄ | σx | N OBS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 5106667. | 583517. | 86.410 | .015 | 6757 | | | | |
| | 16825348. | 335636. | 49.7 | 4.767 | 6757 | | 2.9 | .1 | 744 |
| | 15346329. | 321051. | 47.5 | 3.683 | 6757 | | | | 744 |
| | 14140316. | 308202 | 45.6 | 3.495 | 6757 | .7 | | | 744 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7-3350 CAPE NEWENHAM AFS AK 73-82 AUG
STATION NAME YEARS



| DB °F | WET BULB TEMPERATURE DEPRESSION °F 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31+ | TOTAL OBS | TOTAL WBS | TOTAL DPS | TOTAL FPS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62/ 61 | | | .3 | | | | | | | | | | | | | | | 3 | 3 | | |
| 60/ 59 | | .1 | .2 | .1 | .2 | | | | | | | | | | | | | 6 | 6 | | |
| 58/ 57 | .9 | .6 | .2 | | | | | | | | | | | | | | | 15 | 15 | | |
| 56/ 55 | .1 | 2.3 | 2.7 | .5 | | | | | | | | | | | | | | 48 | 48 | 19 | 4 |
| 54/ 53 | .2 | 6.8 | 4.4 | 1.2 | | | | | | | | | | | | | | 108 | 108 | 46 | 19 |
| 52/ 51 | 2.3 | 12.7 | 5.9 | .8 | | | | | | | | | | | | | | 184 | 184 | 117 | 92 |
| 50/ 49 | 4.1 | 13.6 | 6.1 | .5 | | | | | | | | | | | | | | 208 | 208 | 213 | 145 |
| 48/ 47 | 4.3 | 12.5 | 2.9 | | | | | | | | | | | | | | | 166 | 166 | 236 | 199 |
| 46/ 45 | 1.2 | 7.6 | 2.1 | .3 | | | | | | | | | | | | | | 96 | 96 | 137 | 173 |
| 44/ 43 | .5 | .9 | 1.2 | .1 | | | | | | | | | | | | | | 23 | 23 | 66 | 129 |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 16 | 36 |
| 40/ 39 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 12 | 37 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 13 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 9 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | 12.3 | 57.5 | 26.0 | 4.2 | .1 | .2 | | | | | | | | | | | | | 859 | | 859 |
| | | | | | | | | | | | | | | | | | | 859 | | 859 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Missing Observations Temperature >90°F | >80°F | >70°F | >60°F | >50°F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 2460598. | 42992. | 50.0 | 3.223 | 859 | | | | | | 93 |
| Wet Bulb | 1997361. | 41343. | 48.1 | 3.062 | 859 | | | | | | 93 |
| Dew Point | 1666447. | 39915. | 46.5 | 3.696 | 859 | | | | | | 93 |

CENTRAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703850 CAPE NEWENHAM AFS AK 73-82 AUG

PAGE 1 0300-0500

| TEMP °F | WET BULB TEMPERATURE DEPRESSION °F 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | TOTAL DB | TOTAL WB | TOTAL DP | TOTAL °F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62/ 61 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | | |
| 60/ 59 | | | .1 | .1 | .3 | | | | | | | | | | | | | 5 | 5 | | |
| 58/ 57 | | .9 | .4 | .1 | | | | | | | | | | | | | | 13 | 13 | 3 | |
| 56/ 55 | | 2.0 | 1.7 | .2 | .2 | | | | | | | | | | | | | 38 | 38 | 10 | 3 |
| 54/ 53 | .3 | 6.0 | 3.4 | .5 | | | | | | | | | | | | | | 94 | 94 | 42 | 19 |
| 52/ 51 | 2.1 | 10.3 | 6.4 | .2 | | | | | | | | | | | | | | 175 | 175 | 101 | 79 |
| 50/ 49 | 4.0 | 14.4 | 5.9 | .5 | | | | | | | | | | | | | | 228 | 228 | 197 | 150 |
| 48/ 47 | 4.8 | 13.4 | 3.1 | .1 | | | | | | | | | | | | | | 192 | 192 | 256 | 209 |
| 46/ 45 | 2.0 | 9.3 | 2.7 | .4 | | | | | | | | | | | | | | 132 | 132 | 167 | 206 |
| 44/ 43 | .2 | 2.3 | 1.3 | .1 | | | | | | | | | | | | | | 36 | 36 | 69 | 130 |
| 42/ 41 | | | .3 | | | | | | | | | | | | | | | 3 | 3 | 36 | 65 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 15 | 40 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 15 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 17 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 13.4 | 58.1 | 25.4 | 2.6 | .5 | | | | | | | | | | | | | | 918 | | 918 |
| | | | | | | | | | | | | | | | | | | 918 | | 918 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature <32°F | <42°F | <52°F | <62°F | <72°F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 7179501. | 80793. | 88.0 | 8.670 | 918 | | | | | | |
| Dry Bulb | 2257394. | 45426. | 49.5 | 3.227 | 918 | | | | | | 93 |
| Wet Bulb | 2093653. | 43745. | 47.7 | 3.132 | 918 | | | | | | 93 |
| Dew Point | 1956568. | 42200. | 46.0 | 3.785 | 918 | | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7[illegible] CAPE NENENHAM AFS AK 73-82 AUG



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9 | 10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | >32 | DB | WB | DB | WB |
| 66/ 65 | | | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | |
| 64/ 61 | | | | .3 | .1 | .1 | | | | | | | | | | | | | | 5 | 5 | | |
| 6 / 59 | | | .3 | .1 | .2 | | | | | | | | | | | | | | | 6 | 6 | | |
| 56/ 57 | | .2 | .8 | .6 | .1 | | | | | | | | | | | | | | | 17 | 17 | 2 | |
| 54/ 55 | .1 | 3.3 | 3.2 | .8 | .2 | | | | | | | | | | | | | | | 66 | 68 | 13 | 1 |
| 52/ 53 | .3 | 7.5 | 4.5 | 1.2 | .1 | | | | | | | | | | | | | | | 125 | 125 | 66 | 6 |
| 50/ 51 | 2.5 | 11.0 | 4.2 | .5 | | | | | | | | | | | | | | | | 163 | 163 | 174 | 16 |
| 48/ 49 | 3.9 | 17.4 | 4.3 | .3 | | | | | | | | | | | | | | | | 239 | 239 | 217 | 18 |
| 46/ 47 | 3.8 | 12.6 | 2.1 | .8 | | | | | | | | | | | | | | | | 174 | 174 | 149 | 21 |
| 44/ 45 | 1.7 | 7.7 | 2.0 | .1 | | | | | | | | | | | | | | | | 136 | 136 | 153 | 20 |
| 42/ 43 | .1 | 1.1 | .7 | | | | | | | | | | | | | | | | | 17 | 17 | 53 | 11 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | 28 | 4 |
| 4 / 39 | | | | | | | | | | | | | | | | | | | | | | 4 | 3 |
| 36/ 37 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 34/ 35 | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 11.6 | 63.7 | 21.8 | 4.9 | .9 | .1 | | | | | | | | | | | | | | | 921 | | 921 |
| | | | | | | | | | | | | | | | | | | | | 921 | | 921 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No Obs | Mean No of Hours with Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Dry Bulb | 7219356. | 81142. | 88.1 | 8.759 | 921 | | | | | | |
| Wet Bulb | 2332499. | 46247. | 50.2 | 3.339 | 921 | | | | | | 93 |
| Dew Point | 2166579. | 44521. | 48.3 | 3.029 | 921 | | | | | | 93 |
| | 2026120 | 43376 | 46.9 | 3.523 | 921 | | | | | | 91 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 AJC



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3 | 4 | 5-6 | 7-8 | 9-10 | 11 | 12 | 13-14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | ≥30 | F | B | F | B |
| 68/ 67 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | .1 | .3 | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 64/ 63 | | | | | .2 | .3 | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | |
| 62/ 61 | | | | .2 | .5 | .2 | | | | | | | | | | | | | | | | | | | | | 9 | 9 | | |
| 60/ 59 | | .2 | 1.2 | 1.1 | .3 | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 4 | |
| 58/ 57 | | 1.3 | 2.6 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 6 | 2 |
| 56/ 55 | | 7.9 | 5.7 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | 100 | 100 | 45 | 7 |
| 54/ 53 | .7 | 10.2 | 4.2 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | 150 | 150 | 98 | 56 |
| 52/ 51 | 3.6 | 13.8 | 2.9 | .3 | | | | | | | | | | | | | | | | | | | | | | | 190 | 190 | 177 | 149 |
| 50/ 49 | 3.2 | 17.4 | 3.5 | .8 | | | | | | | | | | | | | | | | | | | | | | | 228 | 228 | 219 | 178 |
| 48/ 47 | 2.2 | 8.3 | 1.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | 114 | 114 | 197 | 202 |
| 46/ 45 | .2 | 3.7 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 136 | 134 |
| 44/ 43 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 28 | 56 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 31 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 9.8 | 58.7 | 22.5 | 7.6 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | 919 | | 919 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 919 | | 919 | |

| Element X | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | Mean No of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | <32 F | <32 F | <32 F | <32 F | <32 F | <32 F | Total |
| Dry Bulb | 2475525. | 47579. | 51.8 | 3.651 | 919 | | | .1 | | | | .1 |
| Wet Bulb | 2274376. | 45628. | 49.6 | 3.372 | 919 | | | | | | | |
| Dew Point | 2120486. | 44036. | 47.9 | 3.366 | 919 | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

725350 CAPE NEWENHAM AFS AK 73-82 AUG



| Temp F | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | TOTAL D.B. | TOTAL W.B. | TOTAL Wet B | TOTAL Dew P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68/ 67 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | .3 | | | | | | | | | | | | | 3 | 3 | | |
| 64/ 63 | | | | .7 | .5 | .1 | .1 | | | | | | | | | | | 13 | 13 | | |
| 62/ 61 | | | .4 | 1.2 | .5 | .1 | .1 | | | | | | | | | | | 20 | 20 | | |
| 60/ 59 | | | 1.0 | 2.3 | .8 | | | | | | | | | | | | | 37 | 37 | 1 | |
| 58/ 57 | | 1.3 | 4.5 | 2.6 | .1 | .1 | | | | | | | | | | | | 79 | 79 | 20 | |
| 56/ 55 | | 6.4 | 6.3 | 1.6 | .1 | | | | | | | | | | | | | 133 | 133 | 53 | 10 |
| 54/ 53 | .9 | 11.9 | 5.8 | .5 | | | | | | | | | | | | | | 176 | 176 | 162 | 77 |
| 52/ 51 | 1.7 | 14.3 | 4.5 | 1.2 | | | | | | | | | | | | | | 200 | 200 | 298 | 156 |
| 50/ 49 | 2.2 | 11.3 | 2.8 | .3 | | | | | | | | | | | | | | 153 | 153 | 219 | 230 |
| 48/ 47 | 2.5 | 4.9 | 2.1 | | | | | | | | | | | | | | | 82 | 82 | 132 | 210 |
| 46/ 45 | .2 | 2.3 | .1 | | | | | | | | | | | | | | | 24 | 24 | 95 | 115 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 20 | 69 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 35 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 15 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 6.9 | 52.4 | 27.4 | 10.2 | 2.5 | .3 | .2 | | | | | | | | | | | | 921 | | 921 |
| | | | | | | | | | | | | | | | | | | 921 | | 921 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs | Mean No. of Hours with Temperature < 0 F | < 32 F | < 67 F | < 73 F | < 83 F | < 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 6693371. | 78009. | 84.7 | 9.667 | 921 | | | | | | | |
| Dry Bulb | 2593837. | 48749. | 52.9 | 3.835 | 921 | | | .1 | | | | 93 |
| Wet Bulb | 2350863. | 46447. | 50.4 | 3.038 | 921 | | | | | | | 93 |
| Dew Point | 2161469. | 44513. | 48.3 | 3.314 | 921 | | | | | | | 93 |

USAFETAC FORM 0-8 (OL-A) 1 JUL 73

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

723352 CAPE NEWENHAM AFS AK 73-82 AUG

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| Dry Bulb °F | WET BULB TEMPERATURE DEPRESSION °F 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9-10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥31 | TOTAL OBS | TOTAL WBS | TOTAL DPS | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71/ 69 | | | | | | .1 | | | .1 | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | |
| 69/ 67 | | | | | | | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | |
| 67/ 65 | | | | | | .2 | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | |
| 64/ 63 | | | | | | .1 | | .3 | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 1 | | |
| 62/ 61 | | | | .1 | | .8 | | .6 | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | | | 1 |
| 60/ 59 | | | .1 | 2.3 | 2.3 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 4 | | |
| 58/ 57 | | 1.4 | 4.8 | 1.9 | | .5 | | .2 | | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 11 | | 1 |
| 56/ 55 | .2 | 5.1 | 4.7 | 1.3 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 101 | 101 | 61 | | .5 |
| 54/ 53 | .9 | 12.3 | 6.7 | 1.6 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 190 | 190 | 137 | | 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 | 236 | | 252 |
| 46/ 45 | 1.4 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 172 | | 127 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | 73 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 8.7 | 51.3 | 28.0 | 9.3 | 2.1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 875 | | | 875 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 875 | | 875 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No Obs | Mean No. of Hours with Temperature < 0°F | < 32°F | < 50°F | < 73°F | < 80°F | < 93°F | Years |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 6433603. | 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 | 2052223. | 42281. | 48.3 | 3.237 | 875 | | | | | | | 93 |

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# PSYCHROMETRIC SUMMARY

72300 CAPE NEWENHAM AFS AK 73-74,76-82 AUG



| DB / WB | WET BULB TEMPERATURE DEPRESSION F. 1 | 2 | 3 | 4 | 5 | 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 + | TOTAL DB | TOTAL WB | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 / 69 | | | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | |
| 68/ 67 | | | | | | | | .3 | | | | | | | | | | | | 2 | 2 | | |
| 64/ 63 | | | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | |
| 62/ 61 | | | .1 | .5 | | .1 | | | | | | | | | | | | | | 6 | 6 | | |
| 60/ 59 | | | .3 | 1.4 | .9 | .1 | .3 | | | | | | | | | | | | | 23 | 23 | 2 | |
| 58/ 57 | | | .9 | 4.5 | 1.4 | | | | | | | | | | | | | | | 53 | 53 | 14 | 2 |
| 56/ 55 | | 4.6 | 4.1 | 1.5 | .1 | | | | | | | | | | | | | | | 81 | 81 | 33 | 8 |
| 54/ 53 | .6 | 12.9 | 5.1 | .5 | .1 | | | | | | | | | | | | | | | 135 | 135 | 92 | 42 |
| 52/ 51 | 3.3 | 13.6 | 4.9 | .3 | | | | | | | | | | | | | | | | 172 | 172 | 168 | 136 |
| 50/ 49 | 2.4 | 14.8 | 4.5 | .4 | | | | | | | | | | | | | | | | 173 | 173 | 199 | 144 |
| 48/ 47 | 2.2 | 7.4 | 2.3 | .4 | | | | | | | | | | | | | | | | 96 | 96 | 149 | 204 |
| 46/ 45 | 1.0 | 3.8 | | | | | | | | | | | | | | | | | | 38 | 38 | 126 | 125 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | 21 | 72 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | 2 | 29 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 9.6 | 56.4 | 27.2 | 5.5 | .6 | .6 | | | | | | | | | | | | | | | 782 | | 782 |
| | | | | | | | | | | | | | | | | | | | | 782 | | 782 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | Mean Number of Hours with Temperature | | | | | | Mode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | <32 F | <=32 F | >=68 F | >68 F | >=77 F | >77 F | |
| Dry Bulb | 2111423. | 40536. | 51.8 | 3.611 | 782 | | | .4 | | | | 53 |
| Wet Bulb | 1938777. | 38865. | 49.7 | 3.038 | 782 | | | | | | | 53 |
| Dew Point | 1802032. | 37448. | 47.9 | .346 | 782 | | | | | | | 53 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703060 CAPE NEWENHAM AFS AK 73-82 AUG

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| DB/WB | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | 33-34 | 35-36 | 37-38 | 39-40 | 41-42 | 43-44 | 45-46 | 47+ | DB | WB | DP | RH |
| 69/ 67 | | | | | | .3 | | | | | | | | | | | | | | | | | | | | 2 | 7 | | |
| 66/ 65 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 62/ 61 | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 60/ 59 | | | | .7 | .4 | | .4 | | | | | | | | | | | | | | | | | | | 11 | 11 | | |
| 58/ 57 | | | 1.1 | 1.1 | .4 | .1 | | | | | | | | | | | | | | | | | | | | 20 | 20 | 4 | |
| 56/ 55 | | | 4.7 | 2.3 | .8 | .1 | | | | | | | | | | | | | | | | | | | | 59 | 59 | 17 | 5 |
| 54/ 53 | | .9 | 1.6 | 4.9 | .7 | | | | | | | | | | | | | | | | | | | | | 126 | 126 | 83 | 31 |
| 52/ 51 | | 2.6 | 13.4 | 3.9 | .7 | | | | | | | | | | | | | | | | | | | | | 152 | 152 | 117 | 114 |
| 50/ 49 | | 4.1 | 16.4 | 5.2 | .1 | | | | | | | | | | | | | | | | | | | | | 190 | 190 | 196 | 135 |
| 48/ 47 | | 2.4 | 10.3 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 104 | 104 | 174 | 176 |
| 46/ 45 | | .7 | 5.6 | 2.3 | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 98 | 141 |
| 44/ 43 | | | .7 | .3 | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 34 | 78 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 46 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| TOTAL | | 13.7 | 62.8 | 22.1 | 3.3 | .4 | .7 | | | | | | | | | | | | | | | | | | | | 737 | | 737 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 737 | | 737 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean Number of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≥70 F | ≥60 F | ≥50 F | ≥40 F | ≥32 F | <32 F | Total |
| Rel. Hum. | 5763767. | 64877. | 88.0 | 8.465. | 737 | | | | | | | |
| Dry Bulb | 1917497. | 375.1. | 50.9 | 3.359. | 737 | | | .3 | | | | .3 |
| Wet Bulb | 1777857. | 361.9. | 49.0 | 3.224. | 737 | | | | | | | .3 |
| Dew Point | 1667230. | 349.8. | 47.4 | 3.472 | 737 | | | | | | | .3 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72306 CAPE MENENHAM AFS AK 73-82 AUG

 ALL

| DB/WB | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL HRS | TOTAL HRS | TOTAL HRS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 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+ | | | | |
| 70/ 69 | | | | .0 | | .0 | | | | | | | | | | | | | | | | | | | | 3 | 7 | | |
| 68/ 67 | | | | | .0 | .1 | | | | | | | | | | | | | | | | | | | | 9 | 9 | | |
| 66/ 65 | | | | .1 | .1 | .0 | | | | | | | | | | | | | | | | | | | | 13 | 13 | | |
| 64/ 63 | | | | .1 | .2 | .0 | .0 | | | | | | | | | | | | | | | | | | | 24 | 24 | 4 | |
| 62/ 61 | | .0 | .2 | .4 | .2 | .0 | .0 | | | | | | | | | | | | | | | | | | | 60 | 67 | | 1 |
| 60/ 59 | | .1 | .9 | .9 | .3 | .1 | | | | | | | | | | | | | | | | | | | | 156 | 156 | 11 | |
| 58/ 57 | | 1.0 | 2.4 | 1.2 | .1 | .0 | | | | | | | | | | | | | | | | | | | | 324 | 324 | 56 | 5 |
| 56/ 55 | .1 | 4.0 | 3.9 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | 628 | 628 | 247 | 53 |
| 54/ 53 | .6 | 9.5 | 4.9 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | 1104 | 1104 | 735 | 316 |
| 52/ 51 | 2.5 | 12.7 | 4.7 | .5 | | | | | | | | | | | | | | | | | | | | | | 1412 | 1412 | 1466 | 1005 |
| 50/ 49 | 3.2 | 14.6 | 4.4 | .4 | | | | | | | | | | | | | | | | | | | | | | 1571 | 1571 | 1578 | 1742 |
| 48/ 47 | 2.8 | 9.5 | 2.1 | .2 | | | | | | | | | | | | | | | | | | | | | | 1014 | 1014 | 1535 | 1669 |
| 46/ 45 | 1.1 | 3.2 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | 525 | 525 | 954 | 1221 |
| 44/ 43 | .1 | .6 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | 314 | 749 |
| 42/ 41 | | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 126 | 269 |
| 40/ 39 | | .0 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 31 | 164 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 56 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| TOTAL | 10.3 | 57.1 | 29.1 | 6.2 | 1.1 | .3 | .2 | | | | | | | | | | | | | | | | | | | | 6932 | | 6932 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 6932 | | 6932 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Median | Mode | Mean | Range |
|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 52083778. | 632168. | 86.9 | 9.136 | 6932 | | | | |
| Dew Point | 18298994. | 355216. | 51.2 | 3.731 | 6932 | | | 1.3 | 744 |
| Wet Bulb | 16819730. | 340732. | 49.2 | 3.213 | 6932 | | | | 744 |
| Wet Bulb Depression | 1565&375. | 328487. | 47.4 | 3.570 | 6932 | | | | 744 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72305C CAPE NEWENHAM AFS AK 73-82 SEP



| Temp °F | WET BULB TEMPERATURE DEPRESSION (°F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | TOTAL D.B | TOTAL W.B | TOTAL Wet B | TOTAL Dew P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58/ 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 | 76 | 44 | 63 |
| 50/ 49 | 1.5 | 10.2 | 4.6 | .4 | | | | | | | | | | | | | | 150 | 150 | 73 | 82 |
| 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 | .6 | 11.2 | 4.3 | .3 | | | | | | | | | | | | | | 146 | 146 | 160 | 165 |
| 42/ 41 | .2 | 4.7 | 2.7 | | | | | | | | | | | | | | | 68 | 68 | 95 | 136 |
| 40/ 39 | .6 | 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 | 23 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 15 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 3 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 1 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 5.7 | 65.5 | 27.1 | 1.7 | | | | | | | | | | | | | | | 892 | | 892 |
| | | | | | | | | | | | | | | | | | | 892 | | 892 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs | Mean No. of Hours with Temperature < 0°F | < 32°F | < 47°F | < 73°F | < 83°F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 661386. | 76532. | 85.8 | 8.084 | 892 | | | | | | |
| Dry Bulb | 1920579. | 41245. | 46.2 | 3.887 | 892 | | .2 | | | | .2 |
| Wet Bulb | 1762587. | 39485. | 44.3 | 4.070 | 892 | | .5 | | | | .5 |
| Dew Point | 1608898. | 37620. | 42.2 | 5.000 | 892 | | .2 | | | | .2 |

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-82 SEP



| °F | WET BULB TEMPERATURE DEPRESSION °F 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-21 | 22-23 | 24-25 | 26-27 | 28-29 | 30-31 | >31 | TOTAL DB | TOTAL WB | TOTAL DP °C | TOTAL DP °F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59/ 57 | | | .1 | | | | | | | | | | | | | | 1 | 1 | | |
| 56/ 55 | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | |
| 54/ 53 | 1.0 | 1.3 | | | | | | | | | | | | | | | 21 | 21 | | |
| 52/ 51 | 1.8 | 3.7 | 1.2 | | | | | | | | | | | | | | 60 | 60 | 78 | 61 |
| 50/ 49 | 1.3 | 11.1 | 3.5 | .2 | | | | | | | | | | | | | 144 | 144 | 75 | 49 |
| 48/ 47 | 1.3 | 16.6 | 4.8 | .5 | | | | | | | | | | | | | 228 | 228 | 146 | 92 |
| 46/ 45 | .3 | 13.4 | 3.7 | .1 | | | | | | | | | | | | | 157 | 157 | 169 | 134 |
| 44/ 43 | | 10.4 | 2.4 | .3 | | | | | | | | | | | | | 117 | 117 | 157 | 139 |
| 42/ 41 | | 6.2 | 3.9 | | | | | | | | | | | | | | 90 | 90 | 107 | 141 |
| 40/ 39 | .9 | 1.8 | 2.4 | | | | | | | | | | | | | | 45 | 45 | 73 | 111 |
| 38/ 37 | .2 | 2.0 | 1.0 | .1 | | | | | | | | | | | | | 30 | 30 | 55 | 72 |
| 36/ 35 | | .6 | .7 | | | | | | | | | | | | | | 13 | 13 | 72 | 44 |
| 34/ 33 | | | .2 | | | | | | | | | | | | | | 2 | 2 | 14 | 39 |
| 32/ 31 | | .1 | .2 | | | | | | | | | | | | | | 3 | 3 | 4 | 22 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | 3 | 11 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 4 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 5.9 | 67.1 | 25.4 | 1.6 | | | | | | | | | | | | | | 893 | | 893 |
| | | | | | | | | | | | | | | | | | 893 | | 893 | |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature °F | °F | °F | °F | °F | °F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 6665865. | 76823. | 86.0 | 7.989 | 893 | | | | | | | |
| Dew Point | 1885509. | 40877. | 45.8 | 4.013 | 893 | .3 | | | | | | 92 |
| Wet Bulb | 1736486. | 39196. | 43.9 | 4.245 | 893 | .7 | | | | | | 90 |
| Vapor Pressure | 158.353 | 7719. | 41.8 | 5.198 | 893 | 5.3 | | | | | | 32 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7_3060 CAPE MENSHAM AFS AK 73-82 SEP



| °F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL OBS | TOTAL wet B | TOTAL wet B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31+ | | | | | | | | | | | | |
| 56/ 55 | | | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 54/ 53 | | 2.1 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | 32 | 37 | 5 | 1 |
| 52/ 51 | .9 | 4.3 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 71 | 25 |
| 50/ 49 | 1.3 | 11.2 | 4.3 | .2 | | | | | | | | | | | | | | | | | | | | | | 153 | 153 | 76 | 93 |
| 48/ 47 | 1.3 | 15.6 | 5.3 | .3 | | | | | | | | | | | | | | | | | | | | | | 196 | 196 | 152 | 86 |
| 46/ 45 | .1 | 12.5 | 4.4 | .2 | | | | | | | | | | | | | | | | | | | | | | 154 | 154 | 195 | 148 |
| 44/ 43 | .2 | 9.3 | 4.3 | | | | | | | | | | | | | | | | | | | | | | | 120 | 120 | 159 | 149 |
| 42/ 41 | | 7.3 | 1.9 | .2 | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | 125 | 124 |
| 40/ 39 | .8 | 2.4 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 93 | 125 |
| 38/ 37 | .2 | 1.3 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | 28 | 29 | 33 | 72 |
| 36/ 35 | | .8 | .7 | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 7 | 41 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 |
| 32/ 31 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 7 | 6 | 34 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 12 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 4.7 | 66.5 | 27.4 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | 893 | 893 | 893 | 893 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs | Mean No. of Hours with Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | < 0 F | < 32 F | < 45 F | < 73 F | < 91 F | Total |
| Rel. Hum. | 6597629. | 76455. | 85.6. | 7.625. | 893 | | | | | | |
| Dry Bulb | 1902674. | 41060. | 46.0. | 4.365. | 893 | | .3 | | | | 90 |
| Wet Bulb | 1743975. | 39285. | 44.0. | 4.201 | 893 | | .1 | | | | 90 |
| Dew Point | 1589183. | 37403. | 41.9. | 5.030 | 893 | | 5.5 | | | | 90 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7[illegible] CAPE NEWENHAM AFS AK 73-82 SEP



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1 | 2 | 3 | 4 | 5-6 | 7-8 | 9-10 | 11-12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | >29 | OBS | % | OBS | % |
| 61/ 59 | | | | | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | 4 | | 4 | |
| 58/ 57 | | | | | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | 5 | | 5 | |
| 56/ 55 | | | .1 | 2.6 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | 33 | | 33 | |
| 54/ 53 | | .2 | 2.8 | 2.4 | .4 | | | | | | | | | | | | | | | | | | | | | | | 53 | | 53 | 1 |
| 52/ 51 | | .2 | 5.6 | 2.8 | .6 | | | | | | | | | | | | | | | | | | | | | | | 91 | | 91 | .2 |
| 50/ 49 | | .7 | 10.4 | 7.5 | .8 | | | | | | | | | | | | | | | | | | | | | | | 173 | | 173 | .6 |
| 48/ 47 | | .2 | 14.3 | 6.5 | .2 | | | | | | | | | | | | | | | | | | | | | | | 190 | | 190 | .4 |
| 46/ 45 | | .8 | 12.0 | 4.2 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | 162 | | 162 | .5 |
| 44/ 43 | | .2 | 5.6 | 3.6 | .6 | | | | | | | | | | | | | | | | | | | | | | | 89 | | 89 | .3 |
| 42/ 41 | | .2 | 3.2 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | 43 | | 43 | .1 |
| 40/ 39 | | .2 | 1.3 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | | 37 | | 37 | .1 |
| 38/ 37 | | | .1 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | 7 | | 7 | |
| 36/ 35 | | | .7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 10 | | 10 | |
| 34/ 33 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 2.8 | 55.9 | 36.2 | 5.1 | | | | | | | | | | | | | | | | | | | | | | | 898 | | 898 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Median | Mode | Skewness | Kurtosis |
|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 6361595. | 75229. | 83.8 | 8.135 | 898 | | | | |
| Dew Point | 2137939. | 42617. | 47.5 | 4.148 | 898 | | | | 92 |
| Wet Bulb | 1843320. | 40516. | 45.1 | 4.132 | 898 | .2 | | | 90 |
| Dew Point | 166.034 | 383.8 | 42.7 | 4.934 | 898 | 44.2 | | | 93 |

[illegible] CLIMATOLOGY BRANCH
[illegible]AFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-[illegible] [illegible]

PAGE [illegible] [illegible]

WET BULB TEMPERATURE DEPRESSION (F)

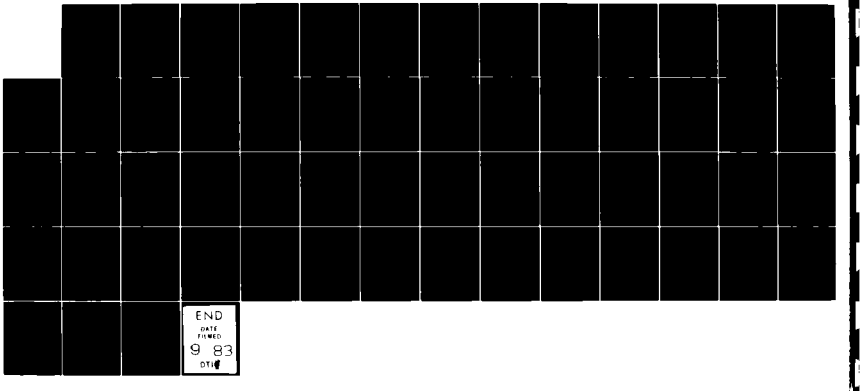
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| [illegible]/ 61 | | | | .2 | .1 | .3 | 5 | 5 | | |
| [illegible]/ 59 | | | | .3 | .2 | .1 | 6 | 5 | | |
| [illegible]/ 57 | | | .5 | .7 | .2 | | 13 | 13 | | |
| [illegible]/ 55 | | .7 | 2.9 | 1.6 | .1 | | 47 | 47 | [illegible] | |
| [illegible]/ 53 | .1 | [illegible].4 | 3.4 | .6 | .1 | | 57 | 57 | [illegible] | [illegible] |
| [illegible]/ 51 | .5 | 4.6 | 4.4 | 1.2 | .1 | | 57 | 97 | [illegible] | [illegible] |
| [illegible]/ 49 | .4 | [illegible].3 | 1[illegible].3 | 1.3 | .1 | | 1[illegible]2 | 1[illegible]2 | [illegible] | [illegible] |
| [illegible]/ 47 | .7 | 1[illegible].9 | 3.7 | 1.2 | | | 174 | 174 | [illegible] | [illegible] |
| [illegible]/ 45 | .7 | 11.8 | [illegible].1 | 1.0 | | | 167 | 1[illegible]7 | [illegible] | [illegible] |
| [illegible]/ 43 | .1 | 2.7 | 2.9 | .9 | | | 59 | [illegible]9 | 1[illegible] | 172 |
| [illegible]/ 41 | | [illegible].2 | 1.3 | .3 | | | [illegible] | [illegible] | [illegible] | 1[illegible] |
| [illegible]/ 39 | .3 | .[illegible] | .6 | .1 | | | 1[illegible] | [illegible] | [illegible] | 7[illegible] |
| [illegible]/ 37 | | .5 | .[illegible] | .1 | | | 1[illegible] | [illegible] | [illegible] | [illegible] |
| [illegible]/ 35 | | .2 | .4 | | | | 6 | 5 | [illegible] | [illegible] |
| [illegible]/ 33 | | | | | | | | | [illegible] | [illegible] |
| [illegible]/ 31 | | | | | | | | | [illegible] | [illegible] |
| [illegible]/ 29 | | | | | | | | | | [illegible] |
| [illegible]/ 27 | | | | | | | | | | [illegible] |
| [illegible]/ 25 | | | | | | | | | | [illegible] |
| [illegible]/ 23 | | | | | | | | | | [illegible] |
| TOTAL | [illegible].9 | 5[illegible].3 | 35.8 | 9.6 | 1.[illegible] | .4 | 895 | [illegible] | [illegible]95 | [illegible] |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 61298.6 | 7[illegible]6.6 | 82.3 | 9.142 | 895 | | | [illegible] |
| [illegible] | 2112[illegible]9.7 | 4[illegible] | 48.4 | 4.228 | 895 | | | [illegible] |
| [illegible] | 1[illegible]69[illegible]9 | 4[illegible]9 | 45.7 | 4.[illegible]8 | 895 | .2 | | [illegible] |
| [illegible] | 168[illegible] | 385[illegible] | 43.1 | 4.[illegible] | 895 | 2.8 | | [illegible] |

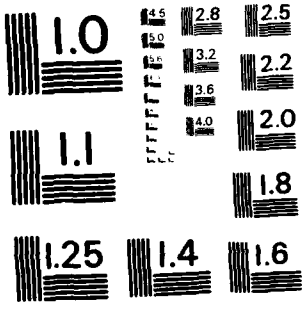
AD-A131 192 CAPE NEWENHAM AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. APR 83

5/5

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 SEP



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 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 | OBS | % | OBS | % |
| 62/ 61 | | | | .5 | .1 | .1 | | | | | | | | | | | | | | | | | | | | 6 | | 6 | |
| 60/ 59 | | | | .5 | | | | | | | | | | | | | | | | | | | | | | 4 | | 4 | |
| 58/ 57 | | | .2 | .6 | .1 | .2 | | | | | | | | | | | | | | | | | | | | 10 | | 10 | |
| 56/ 55 | | 1.3 | 1.8 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | 38 | | 38 | 6 |
| 54/ 53 | | 3.2 | 4.2 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | 67 | | 67 | 19 |
| 52/ 51 | 1.2 | 4.5 | 4.6 | 1.8 | | | | | | | | | | | | | | | | | | | | | | 102 | | 102 | 71 |
| 50/ 49 | 1.2 | 8.2 | 9.5 | 1.6 | | | | | | | | | | | | | | | | | | | | | | 175 | | 175 | 177 |
| 48/ 47 | .7 | 15.0 | 4.3 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | 180 | | 180 | 249 |
| 46/ 45 | .4 | 13.0 | 4.6 | .9 | | | | | | | | | | | | | | | | | | | | | | 135 | | 135 | 428 |
| 44/ 43 | .9 | 3.5 | 3.2 | .7 | | | | | | | | | | | | | | | | | | | | | | 71 | | 71 | 421 |
| 42/ 41 | | 1.9 | 2.5 | .1 | | | | | | | | | | | | | | | | | | | | | | 38 | | 38 | 64 |
| 40/ 39 | .1 | .1 | .6 | | | | | | | | | | | | | | | | | | | | | | | 7 | | 7 | 55 |
| 38/ 37 | | .5 | .8 | | | | | | | | | | | | | | | | | | | | | | | 11 | | 11 | 13 |
| 36/ 35 | | .1 | .7 | | | | | | | | | | | | | | | | | | | | | | | 7 | | 7 | 14 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 6 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 15 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 4.5 | 48.3 | 37.0 | 9.2 | .7 | .4 | | | | | | | | | | | | | | | | | | | | 851 | | 851 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | | |
|---|---|---|---|---|---|---|---|
| | 5889962. | 70354. | 82.7 | 9.308. | 851 | | |
| | 1999142. | 41096. | 48.3 | 4.146. | 851 | | |
| | 179.204. | 38908. | 45.7 | 3.958. | 851 | .1 | |
| | 1613171. | 36715. | 43.1 | 4.748 | 851 | 2.7 | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

723050 CAPE NEWENHAM AFS AK 73-75,77-82 SEP



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | TOTAL DB WB | TOTAL WB | TOTAL WB | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | | |
| 60 / 59 | | | | .1 | .4 | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 58 / 57 | | | | .3 | .4 | .1 | | | | | | | | | | | | | | | | | | 9 | 9 | | |
| 56 / 55 | | | .3 | .8 | .3 | | | | | | | | | | | | | | | | | | | 10 | 10 | 3 | |
| 54 / 53 | | | 4.0 | 2.9 | .3 | | | | | | | | | | | | | | | | | | | 52 | 52 | 7 | 1 |
| 52 / 51 | | 1.3 | 3.6 | 9.1 | 1.3 | | | | | | | | | | | | | | | | | | | 82 | 82 | 56 | 24 |
| 50 / 49 | | .8 | 12.3 | 7.5 | 1.3 | | | | | | | | | | | | | | | | | | | 143 | 143 | 66 | 48 |
| 48 / 47 | | 1.9 | 13.6 | 7.2 | .6 | | | | | | | | | | | | | | | | | | | 166 | 166 | 149 | 77 |
| 46 / 45 | | .4 | 10.2 | 5.1 | .3 | | | | | | | | | | | | | | | | | | | 115 | 115 | 183 | 102 |
| 44 / 43 | | .1 | 6.1 | 3.2 | .8 | | | | | | | | | | | | | | | | | | | 74 | 74 | 125 | 109 |
| 42 / 41 | | .1 | 1.3 | 2.2 | .3 | | | | | | | | | | | | | | | | | | | 28 | 28 | 93 | 106 |
| 40 / 39 | | | .7 | 1.5 | | | | | | | | | | | | | | | | | | | | 16 | 16 | 36 | 91 |
| 38 / 37 | | | 1.3 | 1.2 | | | | | | | | | | | | | | | | | | | | 16 | 16 | 22 | 69 |
| 36 / 35 | | | | .7 | | | | | | | | | | | | | | | | | | | | 5 | 5 | 17 | 46 |
| 34 / 33 | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 24 |
| 32 / 31 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 15 |
| 30 / 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 28 / 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | | 4.7 | 51.5 | 37.8 | 5.8 | .1 | | | | | | | | | | | | | | | | | | | 7.9 | | 7.9 |
| | | | | | | | | | | | | | | | | | | | | | | | | 719 | | 719 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No Obs | Median | Mode | Maximum | Minimum | Temperature | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 5024599. | 59793. | 83.2 | 8.521 | 719 | | | | | | X2 |
| Dew Point | 1642970. | 34250. | 47.6 | 3.993 | 719 | | | | | | X2 |
| Wet Bulb | 1482462. | 32518. | 45.2 | 4.051 | 719 | | | | | | X2 |
| Vapor Pressure | 1328276. | 307.2 | 42.7 | 4.904 | 719 | | 44.4 | | | | 22 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

70[illegible]   CAPE NEWENHAM AFS AK   73-82   SEP

PAGE 1   2100-2300

WET BULB TEMPERATURE DEPRESSION (F)

| Temp. | | | | | Total | | Total | |
|---|---|---|---|---|---|---|---|---|
| [illegible]/ 59 | | | | .1 | 1 | 1 | | |
| [illegible]/ 57 | | | | .4 | 3 | 3 | | |
| [illegible]/ 55 | | .1 | .6 | | 6 | 6 | | |
| 54/ 53 | | 1.4 | 2.1 | | 27 | 27 | 5 | |
| [illegible]/ 51 | 1.2 | 4.0 | 3.1 | .5 | 68 | 69 | 42 | [illegible] |
| [illegible]/ 49 | 1.[illegible] | 12.9 | 6.0 | 1.2 | 155 | 156 | [illegible] | 47 |
| [illegible]/ 47 | 1.0 | 13.4 | 6.7 | .5 | 168 | 168 | 145 | 76 |
| 46/ 45 | 1.5 | 12.1 | 2.8 | .3 | 130 | 130 | 177 | 1[illegible]2 |
| 44/ 43 | .5 | 9.5 | 3.7 | .6 | 113 | 113 | [illegible] | 123 |
| 42/ 41 | .1 | 3.0 | 3.1 | | 48 | 48 | [illegible] | 131 |
| [illegible]/ 39 | | 2.6 | 1.9 | | 35 | 35 | 39 | 95 |
| [illegible]/ 37 | | .9 | 1.3 | | 17 | 17 | 47 | 48 |
| [illegible]/ 35 | | .1 | .4 | | 4 | 4 | 18 | 34 |
| 34/ 33 | | | .3 | | 2 | 2 | 11 | 24 |
| [illegible]/ 31 | | | | | | | 3 | 29 |
| [illegible]/ 29 | | | | | | | | 8 |
| [illegible]/ 27 | | | | | | | | 6 |
| [illegible]/ 25 | | | | | | | | 2 |
| TOTAL | 6.4 | 56.0 | 32.0 | 3.6 | | 775 | | 778 |
| | | | | | 778 | | 776 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | | |
|---|---|---|---|---|---|---|---|
| [illegible] | 5616147 | 65779 | 64.5 | 8.383 | 778 | | |
| [illegible] | 1704881 | 36293 | 46.6 | 3.924 | 778 | | 9[illegible] |
| [illegible] | 1552478 | 34610 | 44.5 | 4.062 | 778 | .3 | 9[illegible] |
| [illegible] | 1403732 | 32816 | 42.2 | 5.017 | 778 | 5.2 | 9[illegible] |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

702350 CAPE NEWENHAM AFS AK 73-82 SEP

 ALL

WET BULB TEMPERATURE DEPRESSION F

| Temp | 1 | 2 | 3 | 4 | 5 | 6 | Total 1 | Total 2 | Total 3 | Total 4 |
|---|---|---|---|---|---|---|---|---|---|---|
| 62/ 61 | | | | .1 | .0 | .1 | 12 | 12 | | |
| 60/ 59 | | | .0 | .2 | .2 | .2 | 19 | 19 | | |
| 58/ 57 | | | .2 | .3 | .1 | .0 | 40 | 40 | | |
| 56/ 55 | | .3 | 1.2 | .6 | .2 | | 142 | 142 | 13 | |
| 54/ 53 | .0 | 2.4 | 2.3 | .2 | .0 | | 343 | 343 | 74 | 4 |
| 52/ 51 | 1.1 | 4.3 | 3.4 | .6 | .2 | | 539 | 539 | 472 | 172 |
| 50/ 49 | 1.2 | 10.2 | 6.6 | .9 | .0 | | 1256 | 1256 | 695 | 450 |
| 48/ 47 | 1.0 | 14.9 | 5.4 | .6 | .2 | | 1496 | 1496 | 1234 | 690 |
| 46/ 45 | .5 | 11.9 | 4.0 | .5 | | | 1156 | 1156 | 1671 | 1165 |
| 44/ 43 | .4 | 7.3 | 3.4 | .5 | | | 769 | 769 | 1124 | 1247 |
| 42/ 41 | .1 | 3.6 | 2.4 | .1 | | | 434 | 434 | 692 | 1015 |
| 40/ 39 | .4 | 1.5 | 1.7 | .2 | | | 242 | 242 | 477 | 767 |
| 38/ 37 | .1 | 1.1 | .9 | .1 | | | 142 | 142 | 260 | 407 |
| 36/ 35 | | .4 | .6 | | | | 63 | 63 | 156 | 291 |
| 34/ 33 | | .0 | .1 | | | | 8 | 8 | 90 | 215 |
| 32/ 31 | | .1 | .0 | | | | 8 | 8 | 25 | 134 |
| 30/ 29 | | | | | | | | | 4 | 61 |
| 28/ 27 | | | | | | | | | | 30 |
| 26/ 25 | | | | | | | | | | 14 |
| 24/ 23 | | | | | | | | | | 7 |
| TOTAL | 4.7 | 58.1 | 32.2 | 4.7 | .2 | .1 | | 6819 | | 6819 |
| | | | | | | | 6819 | | 6819 | |

| [illegible] | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|
| [illegible] | 48905809. | 574551. | 84.3 | 8.519. | 6819 | | |
| [illegible] | 15204671. | 320739. | 47.0 | 4.167. | 6819 | .8. | 7.0 |
| [illegible] | 13300501. | 305457. | 44.8 | 4.152. | 6819 | 3.1. | 7.0 |
| [illegible] | 12464337. | 289557. | 42.5 | 4.976 | 6819 | 38.4 | 7.0 |

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# PSYCHROMETRIC SUMMARY

72300 CAPE NEWENHAM AFS AK 73-82 OCT



| DB / WB | WET BULB TEMPERATURE DEPRESSION F 1 | 2 | 3 | 4 | 5 | 6 | TOTAL OBS | TOTAL HRS | TOTAL HRS | |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 / 49 | | .9 | | | | | 8 | 8 | 1 | |
| 48 / 47 | .4 | 1.9 | 1.1 | | | | 31 | 31 | 16 | 9 |
| 46 / 45 | | 2.7 | 1.5 | | | | 38 | 38 | 17 | 11 |
| 44 / 43 | .1 | 5.2 | 1.4 | .1 | | | 62 | 62 | 44 | 27 |
| 42 / 41 | .4 | 7.5 | 2.0 | | | | 90 | 90 | 67 | 46 |
| 40 / 39 | 1.3 | 8.6 | 4.3 | | | | 129 | 129 | 105 | 73 |
| 38 / 37 | 1.3 | 8.5 | 2.4 | .2 | | | 110 | 110 | 119 | 74 |
| 36 / 35 | .2 | 4.9 | 2.7 | | | | 70 | 70 | 94 | 67 |
| 34 / 33 | 1.2 | 9.8 | 3.1 | | | | 126 | 126 | 90 | 63 |
| 32 / 31 | .4 | 6.3 | 1.9 | | | | 78 | 78 | 125 | 103 |
| 30 / 29 | 1.7 | 4.3 | .7 | | | | 57 | 57 | 74 | 44 |
| 28 / 27 | .4 | 2.4 | .8 | | | | 33 | 33 | 59 | 33 |
| 26 / 25 | .6 | 3.1 | .1 | | | | 34 | 34 | 37 | 25 |
| 24 / 23 | .2 | 1.2 | | | | | 11 | 11 | 31 | 19 |
| 22 / 21 | .1 | .6 | | | | | 6 | 6 | 6 | 43 |
| 20 / 19 | | .9 | | | | | 8 | 8 | 3 | 21 |
| 18 / 17 | .3 | .2 | | | | | 5 | 5 | 11 | 12 |
| 16 / 15 | | .1 | | | | | 1 | 1 | 2 | 6 |
| 14 / 13 | | .2 | .1 | | | | 3 | 3 | 1 | 7 |
| 12 / 11 | | .3 | | | | | 3 | 3 | 6 | 4 |
| 10 / 9 | | | | | | | | | | 1 |
| 8 / 7 | | | | | | | | | | 3 |
| 6 / 5 | | | | | | | | | | 1 |
| 4 / 3 | | | | | | | | | | 2 |
| 2 / 1 | | | | | | | | | | 1 |
| 0 / -1 | | | | | | | | | | 1 |
| -2 / -3 | | | | | | | | | | 1 |
| TOTAL | 3.5 | 69.1 | 22.1 | .3 | | | 935 | 935 | 975 | 975 |

| Element | $\Sigma x$ | $\Sigma x^2$ | $\bar{x}$ | $\sigma_x$ | No Obs | Max | Min | |
|---|---|---|---|---|---|---|---|---|
| DB | 633863. | 75159. | 63.2 | 8.397 | 935 | | | |
| WB | 121657. | 32653. | 36.1 | 6.523 | 935 | 24.6 | | 93 |
| DP | 110263. | 31343. | 34.3 | 6.418 | 935 | 36.5 | | 93 |
| RH | 38.595 | 283.3 | 31.4 | 7.469 | 935 | 52.2 | | 93 |

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# PSYCHROMETRIC SUMMARY

72305 CAPE NEWENHAM AFS AK 73-82 OCT



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OBS | TOTAL HRS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | |
| 51/ 49 | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 48/ 47 | | .8 | 2.0 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 38 | 38 | 16 | 7 |
| 49/ 45 | | | 3.0 | .9 | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 21 | 13 |
| 44/ 43 | | .2 | 4.6 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 56 | 56 | 45 | 18 |
| 43/ 41 | | .2 | 8.0 | 2.0 | | | | | | | | | | | | | | | | | | | | | | 92 | 92 | 69 | 47 |
| 42/ 39 | | 1.3 | 7.9 | 3.1 | | | | | | | | | | | | | | | | | | | | | | 111 | 111 | 101 | 69 |
| 38/ 37 | | 1.0 | 8.0 | 2.4 | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 90 | 66 |
| 36/ 35 | | .7 | 6.6 | 2.1 | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | 113 | 71 |
| 34/ 33 | | 1.0 | 9.4 | 2.2 | | | | | | | | | | | | | | | | | | | | | | 114 | 114 | 176 | 79 |
| 32/ 31 | | 1.6 | 7.7 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 96 | 96 | 111 | 142 |
| 30/ 29 | | .9 | 4.6 | .4 | | | | | | | | | | | | | | | | | | | | | | 53 | 53 | 51 | 107 |
| 28/ 27 | | .7 | 3.6 | .3 | | | | | | | | | | | | | | | | | | | | | | 41 | 42 | 63 | 69 |
| 26/ 25 | | .2 | 2.7 | .2 | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 34 | 64 |
| 24/ 23 | | .1 | 1.4 | .2 | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 31 | 66 |
| 22/ 21 | | .3 | .8 | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 17 | 44 |
| 20/ 19 | | | 1.0 | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 3 | 33 |
| 18/ 17 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 11 | 6 |
| 16/ 15 | | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 1 | 13 |
| 14/ 13 | | | .2 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 5 |
| 12/ 11 | | | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 3 | 7 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 7 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 9.3 | 72.1 | 19.6 | | | | | | | | | | | | | | | | | | | | | | | 931 | | 903 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 903 | | 903 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | NOBS | MINIMUM | MAXIMUM | |
|---|---|---|---|---|---|---|---|---|
| | 635456. | 75236. | 83.6 | 8.224 | 903 | | | |
| | 1187318. | 32160. | 35.7 | 6.659 | 901 | 27.5 | | 93 |
| | 1079967. | 30611. | 34.0 | 6.570 | 903 | 37.0 | | 93 |
| | 920345. | 28045. | 31.2 | 7.637 | 903 | .3 52.7 | | 93 |

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# PSYCHROMETRIC SUMMARY

7-3302 CAPE NENANA AFS AK 73-82 OCT



| °F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15 | 16-17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | >30 | DB | %B | WetB | %B |
| 50/ 49 | | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | 9 | 2 | 2 | |
| 48/ 47 | .4 | 2.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | 21 | 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 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | 79 | 79 | 54 | 42 |
| 40/ 39 | 1.1 | 8.3 | 3.0 | .1 | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 91 | 63 |
| 38/ 37 | 1.3 | 6.5 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 109 | 75 |
| 36/ 35 | .4 | 9.2 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | 122 | 122 | 96 | 100 |
| 34/ 33 | .6 | 6.9 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | 99 | 99 | 107 | 86 |
| 32/ 31 | 1.3 | 7.6 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 98 | 127 |
| 30/ 29 | 1.1 | 3.7 | .6 | | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | 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 | 23 |
| 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 |
| 6/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 9.1 | 74.8 | 16.8 | .2 | | | | | | | | | | | | | | | | | | | | | | | 99 | | 99 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 99 | | 99 | |

| | Σx | Σx² | x̄ | σx | N | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 644.174 | 76156. | 63.8 | 8.117 | 99 | | | | |
| Dew Point | 1197774. | 323.4 | 35.6 | 6.966 | 99 | | 28.3 | | 91 |
| Wet Bulb | 1086597. | 308.3 | 34.0 | 6.459 | 99 | | 36.5 | | 93 |
| Vapor Press | 9375.7 | 241.5 | 11.1 | 7.868 | 99 | .3 | 52.7 | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY.

703030 CAPE NEWENHAM AFS AK 73-82 OCT



WET BULB TEMPERATURE DEPRESSION F

| Temp. (F) | 1 | 2 | 3 | 4 | 5 | Total D.B./W.B. | D.B. | W.B. | Dew Point |
|---|---|---|---|---|---|---|---|---|---|
| 50/ 49 | | .9 | .3 | | | 11 | 11 | 3 | 2 |
| 48/ 47 | .2 | 3.0 | .3 | .1 | | 33 | 33 | 11 | 7 |
| 46/ 45 | .4 | 2.8 | 2.6 | .3 | | 56 | 56 | 19 | 13 |
| 44/ 43 | .4 | 6.0 | 2.3 | .4 | .1 | 84 | 84 | 47 | 21 |
| 42/ 41 | .1 | 6.0 | 3.4 | .2 | | 68 | 68 | 60 | 41 |
| 40/ 39 | 1.0 | 8.0 | 2.6 | | | 106 | 106 | 95 | 62 |
| 38/ 37 | .8 | 5.8 | 2.6 | .2 | | 86 | 86 | 105 | 53 |
| 36/ 35 | .1 | 9.0 | 2.1 | .1 | | 103 | 103 | 97 | 90 |
| 34/ 33 | .6 | 5.5 | 1.5 | | | 69 | 69 | 95 | 72 |
| 32/ 31 | 1.4 | 7.9 | 2.9 | | | 111 | 111 | 55 | 116 |
| 30/ 29 | .7 | 2.9 | .7 | | | 38 | 38 | 62 | 75 |
| 28/ 27 | .4 | 4.2 | .6 | | | 47 | 47 | 51 | 53 |
| 26/ 25 | | 2.0 | .7 | .1 | | 25 | 25 | 42 | 60 |
| 24/ 23 | | 1.8 | | | | 16 | 16 | 29 | 24 |
| 22/ 21 | .3 | .6 | | .1 | | 9 | 9 | 15 | 44 |
| 20/ 19 | .3 | .8 | .1 | | | 11 | 11 | 9 | 49 |
| 18/ 17 | .1 | .2 | | | | 3 | 3 | 8 | 17 |
| 16/ 15 | .2 | .4 | .1 | | | 7 | 7 | 6 | 12 |
| 14/ 13 | .1 | .2 | | | | 3 | 3 | 3 | 9 |
| 12/ 11 | | | | | | | | 3 | 5 |
| 10/ 9 | | .1 | | | | 1 | 1 | | |
| 8/ 7 | | | | | | | | 1 | |
| 6/ 5 | | | | | | | | | 2 |
| 4/ 3 | | | | | | | | | 3 |
| 2/ 1 | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | 2 |
| -2/ -3 | | | | | | | | | 1 |
| TOTAL | 7.3 | 68.0 | 22.9 | 1.7 | .1 | 907 | 907 | 907 | 907 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | | Mean No. of Hours with Temperature | |
|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6231196. | 75030. | 82.7 | 9.066. | 907 | | | | | |
| Dry Bulb | 1236844. | 32886. | 36.3 | 7.005. | 907 | | 27.8 | | | 93 |
| Wet Bulb | 1117377. | 31217. | 34.4 | 6.886. | 907 | | 34.2 | | | 93 |
| Dew Point | 953151. | 28491. | 31.4 | 8.014 | 907 | .3 | 48.2 | | | 93 |

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# PSYCHROMETRIC SUMMARY

7__3__ CAPE NEWENHAM AFS AK 73-82 OCT

PAGE 1 14__-14__

| | WET BULB TEMPERATURE DEPRESSION (F) | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|
| 52/ 51 | | .2 | .1 | | | 3 | 3 | | |
| 50/ 49 | .2 | 1.1 | .3 | .1 | | 16 | 16 | 5 | 4 |
| 48/ 47 | | 3.7 | 1.2 | .1 | | 46 | 46 | 15 | 9 |
| 46/ 45 | | 3.3 | 3.5 | 1.2 | .1 | 74 | 74 | 43 | 15 |
| 44/ 43 | .3 | 5.4 | 2.9 | .1 | | 79 | 79 | [illegible] | 23 |
| 42/ 41 | .3 | 5.6 | 3.6 | .6 | | 92 | 92 | 90 | 49 |
| 40/ 39 | .9 | 6.4 | 5.4 | | | 115 | 115 | 107 | 72 |
| 38/ 37 | .7 | 5.6 | 1.8 | .2 | | 54 | 54 | 91 | 100 |
| 36/ 35 | .6 | 7.3 | 2.2 | | | 91 | 91 | 102 | 75 |
| 34/ 33 | .3 | 4.7 | 3.7 | | | 80 | 80 | 69 | 70 |
| 32/ 31 | 1.5 | 6.5 | 4.2 | | | 111 | 111 | 81 | 142 |
| 30/ 29 | .1 | 1.9 | .9 | | | 26 | 26 | 73 | 56 |
| 28/ 27 | .1 | 3.1 | .2 | .1 | | 32 | 32 | 40 | 59 |
| 26/ 25 | | 1.9 | .2 | | | 19 | 19 | 72 | 52 |
| 24/ 23 | | 1.1 | | .1 | | 11 | 11 | 70 | 29 |
| 22/ 21 | | .6 | | | | 5 | 5 | 10 | 37 |
| 20/ 19 | .8 | .7 | .2 | | | 15 | 15 | 12 | 41 |
| 18/ 17 | | .3 | .1 | | | 4 | 4 | 5 | 15 |
| 16/ 15 | | .6 | .1 | | | 6 | 6 | 4 | 5 |
| 14/ 13 | | | | | | | | 7 | 3 |
| 12/ 11 | | | | | | | | | 4 |
| 10/ 9 | | | | | | | | | 6 |
| 8/ 7 | | | | | | | | | 1 |
| 6/ 5 | | | | | | | | | 2 |
| 4/ 3 | | | | | | | | | 2 |
| 2/ 1 | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | 1 |
| TOTAL | 5.8 | 60.8 | 30.7 | 2.5 | .1 | 909 | 909 | 909 | 909 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | |
|---|---|---|---|---|---|---|---|---|
| | 6_56553. | 73889. | 81.3. | 9.41_. | 909 | | | |
| | 129760_7. | 33773. | 37.2. | 6.666. | 909 | | 23.4 | 93 |
| | 1159962. | 31892. | 35.1. | 6.723. | 909 | | 31.1 | 93 |
| | 976538 | 28936. | 31.8 | 7.613 | 909 | .1 | 47.8 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7-3050 CAPE NEWENHAM AFS AK 73-82 OCT



| | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | WB | | WB | |
| 52/ 51 | | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 50/ 49 | | .4 | | .2 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 0 | 3 |
| 48/ 47 | | .1 | 2.2 | | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 3 | 6 |
| 46/ 45 | | | | 3.4 | | 1.6 | | .5 | | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 35 | .1 |
| 44/ 43 | | .2 | 5.5 | | 3.3 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | 80 | 80 | 46 | .7 |
| 42/ 41 | | .1 | | 6.6 | | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | 81 | 81 | 57 | 4.0 |
| 40/ 39 | | 1.6 | 5.5 | | 5.8 | | | | | | | | | | | | | | | | | | | | | | | | | | 106 | 106 | 112 | 5.4 |
| 38/ 37 | | .2 | | 7.5 | | 2.5 | | .2 | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | 75 | 3.3 |
| 36/ 35 | | 1.1 | 7.6 | | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 115 | 6.3 |
| 34/ 33 | | .1 | | 6.9 | | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 86 | 4.3 |
| 32/ 31 | | 1.1 | 8.3 | | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | | 105 | 105 | 76 | 1.0 |
| 30/ 29 | | .2 | | 3.1 | | .5 | | .2 | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 98 | 6.9 |
| 28/ 27 | | .2 | 4.4 | | .2 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 46 | 5.4 |
| 26/ 25 | | .1 | | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 34 | 4.3 |
| 24/ 23 | | | .9 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 17 | 3.8 |
| 22/ 21 | | .2 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 5 | 3.5 |
| 20/ 19 | | .5 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 6 | 3.2 |
| 18/ 17 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | .9 |
| 16/ 15 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | .4 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .2 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .2 |
| TOTAL | | 6.4 | 6.4 | 7.2 | 7.3 | 3.1 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | 816 | | 816 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 816 | | 816 | |

| Element X | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs | Mean Minus 1 Standard Deviation | Mean Plus 1 Standard Deviation | |
|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 5555795. | 66929. | 82.0 | 9.014 | 816 | | | |
| Dry Bulb | 1151937. | 30243. | 37.1 | 6.173 | 816 | 23.8 | | 93 |
| Wet Bulb | 1033460. | 28618. | 35.1 | 6.048 | 816 | 31.5 | | 93 |
| Dew Point | 87.5513 | 26065 | 32.0 | 7.094 | 816 | 48.6 | | 93 |

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# PSYCHROMETRIC SUMMARY

702350 CAPE NEWENHAM AFS AK 73-74,77-82 OCT



| DB F / C | WET BULB TEMPERATURE DEPRESSION F 1 | 2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | >32 | TOTAL OBS | TOTAL WBS | TOTAL WBS | TOTAL DPS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52/ 51 | | .3 | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 50/ 49 | | .1 | .3 | .3 | | | | | | | | | | | | | | | 5 | 5 | 2 | |
| 48/ 47 | .3 | 1.6 | .5 | | | | | | | | | | | | | | | | 18 | 18 | 7 | 5 |
| 46/ 45 | .1 | 3.4 | 1.2 | | | | | | | | | | | | | | | | 35 | 35 | 16 | 6 |
| 44/ 43 | .5 | 4.7 | 2.3 | | | | | | | | | | | | | | | | 56 | 56 | 29 | 1 |
| 42/ 41 | .4 | 5.0 | 1.9 | | | | | | | | | | | | | | | | 54 | 54 | 45 | 38 |
| 40/ 39 | 1.5 | 8.1 | 3.0 | | | | | | | | | | | | | | | | 93 | 93 | 61 | 48 |
| 38/ 37 | 1.3 | 7.7 | 3.4 | | | | | | | | | | | | | | | | 92 | 92 | 84 | 62 |
| 36/ 35 | 1.1 | 7.7 | 1.3 | | | | | | | | | | | | | | | | 75 | 75 | 80 | 75 |
| 34/ 33 | .8 | 8.2 | 2.2 | | | | | | | | | | | | | | | | 83 | 83 | 91 | 73 |
| 32/ 31 | 1.3 | 7.4 | 3.5 | | | | | | | | | | | | | | | | 113 | 113 | 90 | 96 |
| 30/ 29 | .7 | 3.6 | .9 | | | | | | | | | | | | | | | | 39 | 39 | 92 | 75 |
| 28/ 27 | .7 | 4.7 | .1 | | | | | | | | | | | | | | | | 41 | 41 | 46 | 50 |
| 26/ 25 | | 2.3 | | | | | | | | | | | | | | | | | 17 | 17 | 39 | 73 |
| 24/ 23 | | 1.1 | | | | | | | | | | | | | | | | | 8 | 8 | 17 | 50 |
| 22/ 21 | | .8 | | | | | | | | | | | | | | | | | 6 | 6 | 9 | 36 |
| 20/ 19 | .5 | | | | | | | | | | | | | | | | | | 4 | 4 | 6 | 32 |
| 18/ 17 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 13 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 3 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 9.4 | 69.7 | 20.6 | .3 | | | | | | | | | | | | | | | | 742 | | 742 |
| | | | | | | | | | | | | | | | | | | | 742 | | 742 | |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No Obs | Median | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| DB F | 5221117. | 61947. | 83.5 | 8.435 | 742 | | | | | | | |
| WB F | 988923. | 26725. | 36.0 | 5.962 | 742 | 28.7 | | | | | | x3 |
| DP F | 896169. | 25415. | 34.3 | 5.884 | 742 | 37.4 | | | | | | 93 |
| | 766136. | 23304. | 31.4 | 6.796 | 742 | 51.9 | | | | | | 73 |

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# PSYCHROMETRIC SUMMARY

7-3350 CAPE NEWENHAM AFS AK 73-82 OCT



| DB °F | WET BULB TEMPERATURE DEPRESSION °F 1 | 2 | 3 | 4 | 5-6 | 7-8 | 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 OBS | TOTAL OBS | TOTAL WBT | WBT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50/ 49 | | .9 | | .3 | | | | | | | | | | | | | | | 5 | 9 | 4 | |
| 48/ 47 | .3 | 1.4 | 1.0 | | | | | | | | | | | | | | | | 21 | 21 | 15 | 5 |
| 46/ 45 | .3 | 2.3 | 2.8 | | | | | | | | | | | | | | | | 42 | 42 | 14 | .1 |
| 44/ 43 | .4 | 4.8 | 1.8 | | | | | | | | | | | | | | | | 55 | 55 | 32 | 16 |
| 42/ 41 | .3 | 5.3 | 2.0 | | | | | | | | | | | | | | | | 60 | 60 | 45 | 28 |
| 40/ 39 | 2.0 | 6.6 | 2.9 | | | | | | | | | | | | | | | | 91 | 91 | 56 | 36 |
| 38/ 37 | 1.6 | 9.1 | 3.7 | | | | | | | | | | | | | | | | 106 | 106 | 67 | 75 |
| 36/ 35 | .8 | 5.7 | 2.5 | .1 | | | | | | | | | | | | | | | 72 | 72 | 84 | 91 |
| 34/ 33 | 1.1 | 7.0 | 3.9 | | | | | | | | | | | | | | | | 95 | 95 | 89 | 97 |
| 32/ 31 | .5 | 9.0 | 2.7 | | | | | | | | | | | | | | | | 96 | 96 | 97 | 79 |
| 30/ 29 | .8 | 5.6 | .6 | | | | | | | | | | | | | | | | 55 | 55 | 74 | 66 |
| 28/ 27 | .4 | 3.7 | .4 | | | | | | | | | | | | | | | | 35 | 35 | 56 | 63 |
| 26/ 25 | .9 | 2.3 | | | | | | | | | | | | | | | | | 23 | 23 | 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 | | | | | | | | | | | | | | | | | | | | | | 9 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 5 |
| 12/ 11 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 9.8 | 65.5 | 24.3 | .4 | | | | | | | | | | | | | | | 789 | 789 | 789 | 789 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs | Max | Min | Mean Temperature |
|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 5551567. | 65863. | 83.4 | 8.742 | 789 | | | |
| Dry Bulb | 1051650. | 28388. | 36.0 | 6.197 | 789 | 28.1 | | |
| Wet Bulb | 953904. | 27012. | 34.2 | 6.060 | 789 | 37.6 | | |
| Dew Point | 814270. | 24742. | 31.4 | 6.982 | 789 | 52.8 | | |

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# PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-32 OCT

PAGE 1 ALL

| Temp. | 0 | 1-2 | 3-4 | 5-6 | 7-8 | Total D.B. | W.B. | Total | |
|---|---|---|---|---|---|---|---|---|---|
| 52/ 51 | | .1 | .0 | | | 8 | 8 | | |
| 50/ 49 | .1 | .7 | .2 | .1 | | 69 | 69 | 22 | 11 |
| 48/ 47 | .3 | 2.3 | 1.1 | .0 | | 252 | 252 | 95 | 54 |
| 46/ 45 | .1 | 3.1 | 1.9 | .3 | .0 | 372 | 372 | 212 | 103 |
| 44/ 43 | .3 | 5.2 | 2.2 | .1 | .0 | 535 | 535 | 359 | 138 |
| 42/ 41 | .2 | 6.4 | 2.5 | .1 | | 636 | 636 | 517 | 343 |
| 40/ 39 | 1.3 | 7.5 | 3.8 | .0 | | 854 | 864 | 774 | 534 |
| 38/ 37 | 1.0 | 7.3 | 2.6 | .1 | | 755 | 755 | 757 | 649 |
| 36/ 35 | .6 | 7.3 | 3.1 | .0 | | 696 | 696 | 776 | 621 |
| 34/ 33 | .7 | 7.6 | 2.5 | .0 | | 743 | 743 | 762 | 693 |
| 32/ 31 | 1.2 | 7.9 | 2.7 | | | 805 | 805 | 763 | 905 |
| 30/ 29 | .8 | 3.6 | .7 | .0 | | 350 | 350 | 670 | 650 |
| 28/ 27 | .4 | 3.7 | .4 | .0 | | 312 | 312 | 412 | 542 |
| 26/ 25 | .2 | 2.3 | .2 | .0 | | 192 | 192 | 294 | 456 |
| 24/ 23 | .1 | 1.4 | .0 | .0 | | 131 | 131 | 211 | 237 |
| 22/ 21 | .2 | .7 | | .0 | | 60 | 60 | 68 | 324 |
| 20/ 19 | .3 | .6 | .1 | | | 72 | 72 | 54 | 255 |
| 18/ 17 | .1 | .1 | .0 | | | 19 | 19 | 51 | 109 |
| 16/ 15 | .1 | .2 | .0 | | | 25 | 25 | 16 | 63 |
| 14/ 13 | .0 | .1 | .0 | | | 11 | 11 | 16 | 40 |
| 12/ 11 | | .1 | .0 | | | 6 | 6 | 15 | 29 |
| 10/ 9 | | .1 | | | | 4 | 4 | 3 | 13 |
| 8/ 7 | | | | | | | | 4 | 14 |
| 6/ 5 | | | | | | | | | 7 |
| 4/ 3 | | | | | | | | | 11 |
| 2/ 1 | | | | | | | | | 4 |
| 0/ -1 | | | | | | | | | 3 |
| -2/ -3 | | | | | | | | | 4 |
| TOTAL | 8.0 | 68.1 | 22.9 | .9 | .0 | 6877 | 6878 | 6877 | 6877 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | |
|---|---|---|---|---|---|---|---|
| | 47792507 | 570151 | 82.9 | 8.722 | 6877 | | |
| | 9329106 | 249212 | 36.2 | 6.598 | 6878 | 211.8 | 744 |
| | 8433509 | 236671 | 34.4 | 6.478 | 6877 | 281.4 | 744 |
| | 719.375 | 216301 | 31.5 | 7.500 | 6877 | 1.7 4.0.4 | 744 |

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# PSYCHROMETRIC SUMMARY

7?0?55 CAPE NEWENHAM AFS AK 73-82 NOV

PAGE 1 0000-2300

WET BULB TEMPERATURE DEPRESSION F

| Temp | | | | | Total | | Total | |
|---|---|---|---|---|---|---|---|---|
| 46/ 45 | | | .1 | | 1 | 1 | | |
| 44/ 43 | .2 | 1.4 | 1.6 | | 26 | 25 | 5 | 2 |
| 42/ 41 | | 1.5 | 1.3 | .1 | 25 | 25 | 16 | 5 |
| 40/ 39 | .5 | 3.4 | 1.2 | | 44 | 44 | 72 | 15 |
| 38/ 37 | .8 | 8.5 | 1.6 | | 96 | 96 | 54 | 29 |
| 36/ 35 | 1.2 | 4.1 | .7 | | 51 | 51 | 94 | 52 |
| 34/ 33 | 1.6 | 8.[illegible] | .5 | | 88 | 88 | 72 | 78 |
| 32/ 31 | 2.7 | 9.4 | .7 | | 113 | 113 | 123 | 112 |
| 30/ 29 | 1.8 | 3.2 | .9 | | 52 | 52 | 79 | 75 |
| 28/ 27 | 1.2 | 7.7 | | | 77 | 77 | 55 | 66 |
| 26/ 25 | 1.6 | 6.3 | | | 69 | 69 | 88 | 57 |
| 24/ 23 | .8 | 4.1 | | | 43 | 43 | 44 | 53 |
| 22/ 21 | 2.6 | 1.6 | | | 37 | 37 | 47 | 69 |
| 20/ 19 | 1.3 | 3.0 | | | 37 | 37 | 23 | 99 |
| 18/ 17 | 1.0 | 1.8 | | | 25 | 25 | 77 | 37 |
| 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 | .8 | | | 16 | 16 | 15 | 11 |
| 4/ 3 | .3 | .1 | | | 4 | 4 | 7 | 11 |
| 2/ 1 | .5 | .2 | | | 6 | 5 | 5 | 5 |
| 0/ -1 | .2 | | | | 2 | 2 | 3 | 7 |
| -2/ -3 | | | | | | | | 2 |
| -4/ -5 | | | | | | | | 9 |
| -6/ -7 | | | | | | | | 5 |
| TOTAL | 23.0 | 68.6 | 8.3 | .1 | 879 | 879 | 879 | 879 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 6296741. | 73963. | 84.1 | 9.128 | 879 | | | | |
| Dry Bulb | 796213. | 25201. | 28.7 | 9.162 | 879 | .2 | 55.9 | | 93 |
| Wet Bulb | 728430. | 24092. | 27.4 | 8.807 | 879 | .3 | 62.0 | | 63 |
| Dew Point | 6?49?4 | 21430 | 24.4 | 9.691 | 879 | 2.4 | 71.5 | | 93 |

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# PSYCHROMETRIC SUMMARY

7_3250 CAPE NEWENHAM AFS AK 73-82 NOV

PAGE 1

| | WET BULB TEMPERATURE DEPRESSION F | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| 44/ 43 | .1 | .5 | 1.4 | | 17 | 17 | 1 | 1 |
| 42/ 41 | | 2.3 | .5 | | 24 | 24 | [illegible] | 2 |
| 40/ 39 | .5 | 4.3 | .6 | .1 | 48 | 49 | 40 | 5 |
| 38/ 37 | 1.1 | 6.5 | 1.7 | | 62 | 62 | 49 | 42 |
| 36/ 35 | .6 | 5.8 | 1.1 | | 66 | 66 | 85 | 46 |
| 34/ 33 | .7 | 8.1 | .7 | | 63 | 63 | 75 | 71 |
| 32/ 31 | 1.9 | 17.8 | .8 | | 119 | 119 | 96 | 100 |
| 30/ 29 | 1.8 | 4.2 | 1.5 | | 66 | 66 | 94 | 76 |
| 28/ 27 | 1.5 | 6.6 | | | 72 | 72 | 64 | 69 |
| 26/ 25 | .8 | 5.9 | .2 | | 61 | 61 | 53 | 52 |
| 24/ 23 | .9 | 2.9 | | | 33 | 33 | 53 | 33 |
| 22/ 21 | 2.2 | 2.5 | .1 | | 42 | 42 | 40 | 70 |
| 20/ 19 | 1.4 | 4.1 | | | 48 | 48 | 32 | 73 |
| 18/ 17 | .6 | 1.7 | .1 | | 21 | 21 | 39 | 33 |
| 16/ 15 | 1.1 | .6 | | | 15 | 15 | 23 | 25 |
| 14/ 13 | .5 | .2 | | | 11 | 11 | 5 | 34 |
| 12/ 11 | .9 | .6 | | | 13 | 13 | 16 | 24 |
| 10/ 9 | .9 | .8 | | | 15 | 15 | 12 | 12 |
| 8/ 7 | .5 | 1.0 | | | 14 | 14 | 15 | 14 |
| 6/ 5 | 1.3 | .1 | | | 10 | 10 | 13 | 8 |
| 4/ 3 | .7 | .7 | | | 12 | 12 | 13 | 9 |
| 2/ 1 | | .5 | | | 4 | 4 | 2 | 15 |
| 0/ -1 | | | | | | | 2 | 7 |
| -2/ -3 | | | | | | | | 3 |
| -4/ -5 | | | | | | | | 7 |
| -6/ -7 | | | | | | | | 4 |
| -8/ -9 | | | | | | | | 1 |
| TOTAL | 17.9 | 71.3 | 8.7 | .1 | | 876 | | 876 |
| | | | | | 876 | | 876 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | |
|---|---|---|---|---|---|---|---|---|
| | 6197674. | 73274. | 83.6 | 8.854 | 875 | | | |
| | 779102. | 24896. | 28.4 | 9.343 | 875 | | 57.1 | 30 |
| | 710736. | 23758. | 27.1 | 8.711 | 876 | .2 | 63.4 | 30 |
| | 586469. | 21031 | 24.0 | 9.654 | 876 | 2.3 | 72.8 | 30 |

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# PSYCHROMETRIC SUMMARY

70300 CAPE NEWENHAM AFS AK 73-82 NOV

PAGE 1 0600-0800

WET BULB TEMPERATURE DEPRESSION F

| | | | | | | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|---|
| 46/ 45 | | .5 | | | | 4 | 4 | | |
| 44/ 43 | | .7 | .8 | | | 13 | 13 | 5 | 1 |
| 42/ 41 | | 1.6 | .3 | | | 17 | 17 | 9 | 6 |
| 40/ 39 | .7 | 5.3 | .9 | | | 61 | 61 | 30 | 15 |
| 38/ 37 | .1 | 7.0 | .8 | .1 | | 71 | 71 | 40 | 22 |
| 36/ 35 | .1 | 3.5 | 1.1 | | | 66 | 66 | 80 | 44 |
| 34/ 33 | 1.2 | 6.0 | .5 | | | 68 | 68 | 86 | 74 |
| 32/ 31 | 1.3 | 10.1 | .6 | | | 110 | 110 | 89 | 107 |
| 30/ 29 | 2.5 | 5.9 | .9 | | | 82 | 82 | 107 | 74 |
| 28/ 27 | 1.4 | 8.1 | .2 | | | 85 | 85 | 67 | 65 |
| 26/ 25 | 1.7 | 3.7 | .2 | .1 | | 51 | 51 | 76 | 75 |
| 24/ 23 | .5 | 1.8 | | | | 21 | 21 | 36 | 34 |
| 22/ 21 | 1.7 | 2.8 | .2 | | | 42 | 42 | 33 | 45 |
| 20/ 19 | 1.9 | 3.5 | | | | 48 | 48 | 37 | 62 |
| 18/ 17 | .7 | 1.8 | | | | 22 | 22 | 40 | 34 |
| 16/ 15 | 1.0 | .6 | | | | 14 | 14 | 16 | 37 |
| 14/ 13 | .7 | .5 | | | | 11 | 11 | 13 | 34 |
| 12/ 11 | .6 | 1.0 | | | | 14 | 14 | 10 | 25 |
| 10/ 9 | .7 | 1.7 | | | | 21 | 21 | 17 | 7 |
| 8/ 7 | 1.4 | .3 | | | | 15 | 15 | 23 | 16 |
| 6/ 5 | .6 | .3 | | | | 6 | 6 | 10 | 11 |
| 4/ 3 | .5 | .7 | | | | 11 | 11 | 11 | 15 |
| 2/ 1 | .1 | .5 | | | | 5 | 5 | 6 | 8 |
| 0/ -1 | | | | | | | | | 11 |
| -2/ -3 | | | | | | | | | 5 |
| -4/ -5 | | | | | | | | | 5 |
| -6/ -7 | | | | | | | | | 1 |
| TOTAL | 22.0 | 73.2 | 3.6 | .2 | | 880 | 880 | 880 | 880 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | |
|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6267060. | 73876. | 84.3 | 8.386 | 880 | | | |
| Dry Bulb | 783743. | 24997. | 28.4 | 9.156 | 880 | | 57.3 | 90 |
| Wet Bulb | 716938. | 23890. | 27.1 | 8.818 | 880 | | 62.7 | 90 |
| Dew Point | 593863. | 21217. | 24.1 | 9.677 | 880 | 2.6 | 73.4 | 90 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7_3252 CAPE NEWENHAM AFS AK 73-82 NOV

 2900-1100

| | WET BULB TEMPERATURE DEPRESSION F | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|
| 46/ 45 | | .8 | | | 7 | 7 | 2 | |
| 44/ 43 | .1 | .9 | .7 | | 15 | 15 | 7 | 4 |
| 42/ 41 | | 2.3 | .9 | | 28 | 28 | 6 | 7 |
| 40/ 39 | .5 | 3.8 | 2.0 | | 56 | 56 | 76 | 10 |
| 38/ 37 | .3 | 8.9 | 1.2 | | 93 | 93 | 55 | 29 |
| 36/ 35 | .7 | 6.2 | .9 | | 69 | 69 | 97 | 43 |
| 34/ 33 | 1.1 | 6.1 | .9 | | 72 | 72 | 79 | 77 |
| 32/ 31 | .9 | 9.6 | .9 | .1 | 122 | 122 | 63 | 109 |
| 30/ 29 | 1.7 | 7.1 | 1.6 | | 92 | 92 | 94 | 71 |
| 28/ 27 | 1.5 | 6.4 | .3 | .1 | 75 | 75 | 91 | 76 |
| 26/ 25 | 1.1 | 6.1 | | .1 | 65 | 65 | 77 | 63 |
| 24/ 23 | .7 | .9 | | | 14 | 14 | 56 | 42 |
| 22/ 21 | 1.0 | 2.4 | .1 | | 31 | 31 | 19 | 59 |
| 20/ 19 | 2.6 | 3.8 | | | 57 | 57 | 54 | 68 |
| 18/ 17 | .1 | 1.2 | | | 12 | 12 | 73 | 46 |
| 16/ 15 | .5 | .8 | | | 11 | 11 | 15 | 32 |
| 14/ 13 | 1.1 | .7 | | | 16 | 16 | 15 | 27 |
| 12/ 11 | .2 | .5 | | | 6 | 6 | 6 | 22 |
| 10/ 9 | .5 | 1.4 | | | 16 | 16 | 10 | 4 |
| 8/ 7 | 1.5 | .9 | | | 21 | 21 | 24 | 5 |
| 6/ 5 | .8 | .8 | | | 14 | 14 | 17 | 13 |
| 4/ 3 | .5 | .2 | | | 7 | 7 | 7 | 16 |
| 2/ 1 | | .7 | | | 6 | 6 | 7 | 19 |
| 0/ -1 | | | | | | | | 9 |
| -2/ -3 | | | | | | | | 7 |
| -4/ -5 | | | | | | | | 5 |
| --/ -9 | | | | | | | | 1 |
| TOTAL | 17.5 | 72.5 | 9.6 | .3 | | 885 | | 885 |
| | | | | | 885 | | 885 | |

| [illegible] | Σx² | Σx | x̄ | $\sigma_x$ | No. Obs | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 6199195. | 73735. | 83.3 | 7.949. | 885 | | | |
| [illegible] | 811467. | 255_5. | 28.8 | 9.320. | 885 | | 55.4. | 92 |
| [illegible] | 738444. | 24314. | 27.5 | 8.327. | 885 | | 61.1. | 92 |
| [illegible] | 606462 | 21524 | 24.3 | 9.689 | 885 | 1.5 | 72.7 | 92 |

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# PSYCHROMETRIC SUMMARY

72000 CAPE NEWENHAM AFS AK 73-82 NOV

PAGE 1 1200-1400

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL DB WB | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 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 | | | |
| 49/ 48 | | | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 3 | | |
| 48/ 43 | | .2 | 1.5 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 6 | 6 | |
| 42/ 41 | | | 1.6 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 14 | 8 | |
| 40/ 39 | | | 4.8 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 68 | 68 | 76 | 9 | |
| 38/ 37 | | 1.0 | 4.7 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 59 | 59 | [illegible] | 35 | |
| 36/ 35 | | 1.2 | 8.7 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | [illegible] | 51 | |
| 34/ 33 | | 1.1 | 8.2 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 89 | 75 | |
| 32/ 31 | | 1.4 | 8.1 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 98 | 98 | 101 | 1.3 | |
| 30/ 29 | | 2.3 | 7.3 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 105 | 105 | 92 | 70 | |
| 28/ 27 | | .9 | 3.9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 93 | 88 | |
| 26/ 25 | | .2 | 5.0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | 48 | 56 | 71 | |
| 24/ 23 | | 1.2 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 51 | 41 | |
| 22/ 21 | | 1.1 | 2.6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 79 | 82 | |
| 20/ 19 | | 1.6 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 35 | 72 | |
| 18/ 17 | | .5 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 24 | 47 | |
| 16/ 15 | | 1.3 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 21 | 46 | |
| 14/ 13 | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 49 | |
| 12/ 11 | | .5 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 6 | 44 | |
| 10/ 9 | | 1.4 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 22 | 10 | |
| 8/ 7 | | .7 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 15 | 11 | |
| 6/ 5 | | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 9 | 17 | |
| 4/ 3 | | .8 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 13 | 48 | |
| 2/ 1 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 8 | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 18.1 | 68.5 | 13.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 880 | | 850 | |

| | Σy² | Σx | x̄ | σx | N Obs | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 6153936. | 73200. | 83.2 | 8.599 | 880 | | | | | | |
| [illegible] | 834525. | 25921. | 29.5 | 8.988 | 880 | | 52.0 | | | | |
| [illegible] | 757427. | 24601. | 28.0 | 8.613 | 880 | | 59.9 | | | | |
| [illegible] | 623212. | 21952 | 24.9 | 9.426 | 880 | 1.5 | 71.1 | | | | |

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# PSYCHROMETRIC SUMMARY

7U335C CAPE NEWENHAM AFS AK 73-82 NOV

PAGE 1 1500-1700

| [illegible] | WET BULB TEMPERATURE DEPRESSION (F) | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| 46/ 45 | | .5 | | 4 | 4 | 1 | |
| 44/ 43 | | 1.4 | .8 | 17 | 17 | 6 | 5 |
| 42/ 41 | | 2.0 | 1.4 | 27 | 27 | 14 | 3 |
| 40/ 39 | .8 | 5.6 | 2.7 | 71 | 71 | 73 | 14 |
| 38/ 37 | .6 | 4.1 | 1.0 | 45 | 45 | 63 | 32 |
| 36/ 35 | 1.3 | 8.9 | .6 | 85 | 85 | 69 | 47 |
| 34/ 33 | 1.9 | 6.3 | .4 | 66 | 68 | 71 | 51 |
| 32/ 31 | 2.2 | 8.6 | 1.5 | 97 | 97 | 56 | 93 |
| 30/ 29 | 3.2 | 4.2 | 2.4 | 77 | 77 | [illegible] | 71 |
| 28/ 27 | 1.0 | 5.8 | .3 | 56 | 56 | 57 | 65 |
| 26/ 25 | 1.4 | 4.3 | .6 | 50 | 50 | 79 | 47 |
| 24/ 23 | .4 | 3.0 | .1 | 28 | 28 | 39 | 38 |
| 22/ 21 | 1.9 | 2.5 | | 35 | 35 | 43 | 51 |
| 20/ 19 | 2.2 | 3.2 | | 42 | 42 | 37 | 59 |
| 18/ 17 | .4 | 1.0 | | 11 | 11 | 22 | 34 |
| 16/ 15 | .5 | 2.4 | | 24 | 24 | 15 | 33 |
| 14/ 13 | | .6 | | 5 | 5 | 13 | 15 |
| 12/ 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 |
| 2/ 1 | .6 | | | 5 | 5 | 6 | 10 |
| 0/ -1 | | | | | | | 7 |
| -2/ -3 | | | | | | | 3 |
| TOTAL | 21.5 | 66.7 | 11.8 | 789 | 789 | 789 | 789 |

| [illegible] | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | [illegible] | Mean No. of Hours with Temperature | | |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 5657821. | 66453. | 84.2 | 8.768 | 789 | | | | |
| [illegible] | 741966. | 23178. | 29.4 | 8.604 | 789 | | 53.8 | | [illegible] |
| [illegible] | 679303. | 22161. | 28.1 | 8.472 | 789 | | 58.4 | | [illegible] |
| [illegible] | 565725. | 19817. | 25.1 | 9.289 | 789 | 1.1 | 69.1 | | [illegible] |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

702350 CAPE NEWENHAM AFS AK 73-75,77-82 NOV



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | OBS | CUM | OBS | CUM |
| 46/ 45 | | | .4 | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 44/ 43 | | | 1.6 | .3 | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 3 | 3 |
| 42/ 41 | | | 1.2 | 1.5 | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 13 | |
| 40/ 39 | | 1.1 | 5.5 | 2.3 | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 77 | .7 |
| 38/ 37 | | .8 | 5.1 | 1.0 | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 66 | 36 |
| 36/ 35 | | .7 | 7.4 | .8 | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 98 | 37 |
| 34/ 33 | | 3.7 | 6.0 | .3 | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 88 | 77 |
| 32/ 31 | | 2.5 | 8.2 | 1.6 | | | | | | | | | | | | | | | | | | | | | | 90 | 90 | 63 | 104 |
| 30/ 29 | | 1.5 | 4.9 | .4 | | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 72 | 53 |
| 28/ 27 | | 1.4 | 8.6 | | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 62 | 49 |
| 26/ 25 | | 1.1 | 4.6 | .1 | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 74 | 45 |
| 24/ 23 | | .1 | 1.8 | .4 | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 26 | 34 |
| 22/ 21 | | 2.7 | 3.4 | .1 | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 43 | 56 |
| 20/ 19 | | 2.6 | 3.8 | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 52 | 68 |
| 18/ 17 | | 1.2 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 25 | 16 |
| 16/ 15 | | .4 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 16 | 34 |
| 14/ 13 | | | .3 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 11 | 21 |
| 12/ 11 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 21 |
| 10/ 9 | | 1.2 | .8 | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 10 | 10 |
| 8/ 7 | | .3 | .5 | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 8 | 7 |
| 6/ 5 | | .1 | .5 | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 6 | 6 |
| 4/ 3 | | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 9 |
| 2/ 1 | | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 |
| 0/ -1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | 23.3 | 68.2 | 8.9 | | | | | | | | | | | | | | | | | | | | | | | 732 | | 732 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 732 | | 772 | |

| | $\Sigma x$ | $\Sigma x^2$ | $\bar{x}$ | $\sigma_x$ | No Obs | | | |
|---|---|---|---|---|---|---|---|---|
| | 534693. | 62229. | 65.2. | 8.635. | 732 | | | |
| | 68294. | 21396. | 29.2. | 8.666. | 732 | .1. | 54.3. | x2 |
| | 625534. | 20506. | 28.2. | 8.365. | 732 | .1. | 58.6. | x2 |
| | 529308. | 18442. | 25.2. | 9.162. | 732 | 1.2. | 69.1 | x2 |

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# PSYCHROMETRIC SUMMARY

[illegible] JAPC NEWENHAM AFS AK 73-82 NOV



| | WET BULB TEMPERATURE DEPRESSION F | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | | | | | | | | | |
| [illegible] | | .1 | .3 | .4 | | 6 | 6 | | |
| [illegible] | | 1.1 | 1.1 | | | 17 | 17 | 1 | 1 |
| [illegible] | | 1.2 | 1.1 | | | 17 | 17 | 17 | 3 |
| [illegible] | .4 | 5.9 | 1.1 | .1 | | 56 | 56 | 35 | 9 |
| [illegible] | 1.3 | 7.3 | 1.3 | | | 78 | 78 | 64 | 39 |
| [illegible] | 1.2 | 6.1 | .7 | | | 59 | 59 | 73 | 56 |
| [illegible] | [illegible] | 4.4 | .5 | | | 59 | 59 | 72 | 64 |
| [illegible] | 3.1 | 5.7 | 1.1 | .3 | | 98 | 98 | 67 | 67 |
| [illegible] | .9 | 4.8 | .5 | | | 47 | 47 | 52 | 46 |
| [illegible] | .5 | 2.1 | | | | 54 | 54 | 59 | 47 |
| [illegible] | 1.3 | 6.5 | | | | 58 | 58 | 78 | 49 |
| [illegible] | .7 | 2.3 | | | | 22 | 22 | 46 | 43 |
| [illegible] | 2.6 | 3.2 | .8 | | | 41 | 41 | 32 | 21 |
| [illegible] | 1.7 | 3.6 | | | | 40 | 40 | 36 | 26 |
| [illegible] | .5 | 1.5 | | | | 15 | 15 | 29 | 13 |
| [illegible] | .9 | 2.2 | | | | 23 | 23 | 17 | 21 |
| [illegible] | .5 | .3 | | | | 6 | 6 | 13 | 32 |
| [illegible] | .5 | .1 | | | | 5 | 5 | 6 | 18 |
| [illegible] | .4 | .9 | | | | 10 | 10 | 5 | 15 |
| [illegible] | .3 | .5 | | | | 10 | 10 | 10 | 7 |
| [illegible] | .5 | .3 | | | | 6 | 6 | 9 | 9 |
| [illegible] | .4 | .1 | | | | 4 | 4 | 4 | 5 |
| [illegible] | | | | | | | | | 9 |
| [illegible] | .4 | | | | | 3 | 3 | 3 | 4 |
| [illegible] | | | | | | | | | 4 |
| TOTAL | 21.9 | 68.8 | 8.5 | .6 | | | 744 | | 744 |
| | | | | | | 744 | | 744 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | 5403194. | 63058. | 84.8 | 6.885 | 744 | | | |
| | | 695346. | 21792. | 29.3 | 8.763 | 744 | .4 | 54.7 | 42 |
| | | 637751. | 23861. | 48.0 | 8.431 | 744 | .4 | 58.3 | 53 |
| | | 534106. | 14748. | 25.2 | 7.189 | 744 | 1.2 | 66.8 | 42 |

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# PSYCHROMETRIC SUMMARY

| | | | |
|---|---|---|---|
| 703000 | CAPE NEWENHAM AFS AK | 73-82 | NOV |
| | | PAGE 1 | ALL |

| TEMP | WET BULB TEMPERATURE DEPRESSION F | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|
| 47/ 45 | | .4 | .0 | .0 | 71 | 31 | 6 | |
| 44/ 43 | .1 | 1.1 | .9 | | 143 | 143 | 76 | 24 |
| 42/ 41 | | 1.6 | 1.0 | | 196 | 196 | 79 | 34 |
| 40/ 39 | .5 | 4.8 | 1.7 | .2 | 469 | 469 | 284 | 94 |
| 38/ 37 | .5 | 6.6 | 1.2 | .0 | 574 | 574 | 473 | 204 |
| 36/ 35 | .8 | 6.9 | .9 | | 576 | 576 | 579 | 375 |
| 34/ 33 | 1.7 | 5.7 | .6 | | 605 | 605 | 654 | 618 |
| 32/ 31 | 2.1 | 9.2 | 1.1 | .0 | 827 | 827 | 675 | 943 |
| 30/ 29 | 2.0 | 5.2 | 1.4 | | 571 | 571 | 690 | 557 |
| 28/ 27 | 1.2 | 6.9 | .2 | .0 | 549 | 549 | 546 | 545 |
| 26/ 25 | 1.2 | 5.0 | .2 | .0 | 446 | 445 | 633 | 479 |
| 24/ 23 | .7 | 2.5 | .1 | | 214 | 214 | 390 | 724 |
| 22/ 21 | 2.0 | 2.5 | .2 | | 309 | 309 | 245 | 456 |
| 20/ 19 | 1.9 | 3.4 | | | 350 | 350 | 326 | 577 |
| 18/ 17 | .6 | 1.5 | .0 | | 145 | 145 | 279 | 700 |
| 16/ 15 | .6 | 1.3 | | | 139 | 139 | 143 | 225 |
| 14/ 13 | .5 | .6 | | | 73 | 77 | 171 | 234 |
| 12/ 11 | .6 | .5 | | | 68 | 68 | 72 | 160 |
| 10/ 9 | .8 | 1.1 | | | 124 | 124 | 174 | 79 |
| 8/ 7 | .8 | .6 | | | 96 | 95 | 101 | 94 |
| 6/ 5 | .7 | .4 | | | 72 | 72 | 86 | 65 |
| 4/ 3 | .6 | .3 | | | 52 | 52 | 54 | 95 |
| 2/ 1 | .0 | .3 | | | 31 | 31 | 72 | 54 |
| 0/ -1 | .1 | | | | 6 | 6 | 9 | 36 |
| -2/ -3 | | | | | | | | 29 |
| -4/ -5 | | | | | | | | 30 |
| -6/ -7 | | | | | | | | 10 |
| -8/ -9 | | | | | | | | 2 |
| TOTAL | 20.5 | 69.6 | 9.5 | .2 .0 | | 6665 | | 6665 |
| | | | | | 6665 | | 6665 | |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N OBS | | | |
|---|---|---|---|---|---|---|---|---|
| | 47522450. | 559808. | 84.0 | 8.687. | 6665 | | | |
| | 6122676. | 192986. | 28.9 | 9.026. | 6665 | .5 | 440.9. | 720 |
| | 5594273. | 184263. | 27.6 | 8.663. | 6665 | 1.0 | 485.5. | 720 |
| | 4640[illegible]3 | 164091 | 24.6 | 9.496 | 6665 | 13.9 | 567.7 | 720 |

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# PSYCHROMETRIC SUMMARY

7-3050 CAPE NEWENHAM AFS AK 73-82 DEC



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31+ | OBS | | OBS | |
| 44/ 43 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 42/ 41 | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 1 | |
| 40/ 39 | | | .2 | 1.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 5 | 1 |
| 38/ 37 | | | .4 | 2.3 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 23 | 7 |
| 36/ 35 | | 1.0 | 5.5 | .8 | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 45 | 23 |
| 34/ 33 | | 1.4 | 6.5 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 66 | 42 |
| 32/ 31 | | 1.9 | 5.0 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | 72 | 72 | 83 | 79 |
| 30/ 29 | | 2.1 | 4.6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 64 | 72 |
| 28/ 27 | | 1.3 | 5.1 | .8 | | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 65 | 57 |
| 26/ 25 | | 1.3 | 5.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 67 | 42 |
| 24/ 23 | | .4 | 2.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 45 | 39 |
| 22/ 21 | | 2.3 | 1.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 46 | 33 |
| 20/ 19 | | 2.0 | 2.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 26 | 67 |
| 18/ 17 | | 1.9 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 37 | 49 | 43 |
| 16/ 15 | | .9 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 32 | 30 |
| 14/ 13 | | 1.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 14 | 31 |
| 12/ 11 | | 1.2 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 29 | 29 |
| 10/ 9 | | 2.5 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 46 | 32 |
| 8/ 7 | | 1.1 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 31 | 35 |
| 6/ 5 | | .9 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 29 | 23 |
| 4/ 3 | | 1.1 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 31 | 26 |
| 2/ 1 | | .7 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 27 | 23 |
| / -1 | | 2.3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 25 | 23 |
| -2/ -3 | | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 17 | 22 |
| -4/ -5 | | 2.0 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 16 | 25 |
| -6/ -7 | | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 16 | 16 |
| -8/ -9 | | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 7 | 19 |
| -10/-11 | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 15 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -14/-15 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 13 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |

| | Σx' | Σx | x̄ | σx | No Obs | Mean Wet Bulb Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725360 CAPE NEWENHAM AFS AK 73-82 DEC

PAGE 2 0600-0900

WET BULB TEMPERATURE DEPRESSION F

| | 0 | 1 | 2 | 3-4 | 5-6 | 7-8 | 9-10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | >30 | TOTAL DB WB | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 34. | 55. | 9.7 | 5.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 905 | 905 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 905 | 905 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | Mean Max | Mean Min | Extreme Max | Extreme Min | Mode |
|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 538653. | 18629. | 20.6 | 13.1 | 905 | 9.0 | 73.2 | | | 93 |
| Wet Bulb | 496313. | 17745. | 19.6 | 12.7 | 905 | 9.5 | 78.9 | | | 93 |
| Dew Point | 411449 | 14241 | 15.7 | 14.3 | 905 | 17.1 | 85.7 | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

725350 CAPE NEWENHAM AFS AK 73-82 DEC



| °F | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 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 | DP | RH |
| 44/ 43 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 42/ 39 | | | 1.2 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 2 | |
| 38/ 37 | | .7 | 2.3 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 11 | 4 |
| 36/ 35 | | .3 | 4.5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 51 | 36 | 22 |
| 34/ 33 | | 1.1 | 6.4 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 63 | 39 |
| 32/ 31 | | 2.3 | 6.9 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | 91 | 84 | 77 |
| 30/ 29 | | 2.9 | 4.3 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 72 | 72 | 65 | 54 |
| 28/ 27 | | 2.3 | 4.5 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 66 | 69 |
| 26/ 25 | | 1.3 | 3.6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | 42 | 62 |
| 24/ 23 | | .8 | 2.6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 56 | 33 |
| 22/ 21 | | 1.8 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 25 | 50 |
| 20/ 19 | | 1.5 | 3.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 22 | 66 |
| 18/ 17 | | 2.0 | 2.0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 38 | 44 | 69 |
| 16/ 15 | | 1.3 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 30 | 33 | 67 |
| 14/ 13 | | .6 | 2.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 17 | 53 |
| 12/ 11 | | 1.4 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 39 | 66 |
| 10/ 9 | | 2.8 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | 40 | 46 | 26 |
| 8/ 7 | | 1.1 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 24 | 43 |
| 6/ 5 | | .7 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 29 | 69 |
| 4/ 3 | | .7 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 24 | 62 |
| 2/ 1 | | 1.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 28 | 67 |
| 0/ -1 | | 1.7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 22 | 66 |
| -2/ -3 | | 2.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 26 | 63 |
| -4/ -5 | | 1.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 13 | 48 |
| -6/ -7 | | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 24 | 69 |
| -8/ -9 | | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 11 |
| -10/-11 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 17 |
| -12/-13 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 7 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -16/-17 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | N | Max | Min | Mean | Std Dev |
|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | | | | | | | | | |
| Wet Bulb | | | | | | | | | |
| Dew Point | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703050 CAPE NEWENHAM AFS AK 73-82 DEC

STATION NAME

PAGE 2 0300-0500

| Temp F | WET BULB TEMPERATURE DEPRESSION F 0 1 2 3 4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31+ | TOTAL OBS | TOTAL |
|---|---|---|---|
| TOTAL | 35.556.6 5.7 .1 | 939 | 939 |

| Element X | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | Mean Number of Hours with Temperature -30 F | -20 F | -10 F | 0 F | 10 F | 20 F | 30 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel Hum | 6242766. | 74748. | 82.210 | .466 | 939 | | | | | | | | |
| Dry Bulb | 537553. | 18571. | 20.413 | .207 | 910 | 9.5 | 75.0 | | | | | | 93 |
| Wet Bulb | 493695. | 17693. | 19.512 | .824 | 939 | 10.0 | 80.5 | | | | | | 93 |
| Dew Point | 413665. | 14307. | 15.718 | .408 | 939 | 16.7 | 86.8 | | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

7-3350 CAPE NEWENHAM AFS AK 73-82 DEC

PAGE 1 0600-0900

| Temp F | WET BULB TEMPERATURE DEPRESSION F. 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | TOTAL DB & WB | TOTAL WB & DP | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42/ 41 | | | .3 | | | | | | | | | | | | | | | 3 | 3 | |
| 40/ 39 | | .4 | .1 | | | | | | | | | | | | | | | 5 | 5 | 1 |
| 38/ 37 | .8 | 2.6 | .9 | | | | | | | | | | | | | | | 40 | 40 | 19 | 5 |
| 36/ 35 | .7 | 5.9 | .9 | | | | | | | | | | | | | | | 68 | 69 | 43 | 16 |
| 34/ 33 | .9 | 4.8 | .7 | | | | | | | | | | | | | | | 56 | 59 | 74 | 45 |
| 32/ 31 | 2.2 | 8.6 | .6 | | | | | | | | | | | | | | | 101 | 101 | 93 | 72 |
| 30/ 29 | 1.2 | 3.2 | .4 | | | | | | | | | | | | | | | 44 | 44 | 94 | 93 |
| 28/ 27 | 1.9 | 6.6 | .3 | .1 | | | | | | | | | | | | | | 81 | 81 | 97 | 90 |
| 26/ 25 | 1.3 | 3.9 | .9 | | | | | | | | | | | | | | | 55 | 55 | 96 | 77 |
| 24/ 23 | 1.2 | 2.1 | .1 | | | | | | | | | | | | | | | 30 | 30 | 49 | 44 |
| 22/ 21 | .1 | .9 | .2 | | | | | | | | | | | | | | | 29 | 29 | 59 | 58 |
| 20/ 19 | 1.9 | 2.6 | | | | | | | | | | | | | | | | 41 | 41 | 28 | 61 |
| 18/ 17 | 1.2 | 1.9 | .2 | | | | | | | | | | | | | | | 30 | 30 | 72 | 31 |
| 16/ 15 | 2.3 | 3.5 | | | | | | | | | | | | | | | | 53 | 53 | 46 | 28 |
| 14/ 13 | .4 | 1.1 | | | | | | | | | | | | | | | | 14 | 14 | 76 | 34 |
| 12/ 11 | 1.2 | 1.7 | | | | | | | | | | | | | | | | 26 | 26 | 21 | 36 |
| 10/ 9 | 2.3 | 2.5 | | | | | | | | | | | | | | | | 44 | 44 | 46 | 26 |
| 8/ 7 | 1.5 | .9 | | | | | | | | | | | | | | | | 22 | 22 | 26 | 37 |
| 6/ 5 | .9 | 1.3 | | | | | | | | | | | | | | | | 20 | 20 | 17 | 30 |
| 4/ 3 | .7 | 1.7 | | | | | | | | | | | | | | | | 21 | 21 | 23 | 23 |
| 2/ 1 | 1.4 | .9 | | | | | | | | | | | | | | | | 21 | 21 | 24 | 24 |
| 0/ -1 | 2.1 | .4 | | | | | | | | | | | | | | | | 22 | 22 | 22 | 19 |
| -2/ -3 | 2.5 | .3 | | | | | | | | | | | | | | | | 26 | 26 | 30 | 27 |
| -4/ -5 | 2.3 | .3 | | | | | | | | | | | | | | | | 24 | 24 | 21 | 12 |
| -6/ -7 | 1.4 | .1 | | | | | | | | | | | | | | | | 14 | 14 | 17 | 18 |
| -8/ -9 | .7 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 14 |
| -10/-11 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 18 |
| -12/-13 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 12 |
| -14/-15 | .5 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 13 |
| -16/-17 | .3 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 3 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 9 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | 5 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 3 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 1 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No Obs | Max | Min | Range |
|---|---|---|---|---|---|---|---|---|
| Rel Hum | | | | | | | | |
| Dry Bulb | | | | | | | | |
| Wet Bulb | | | | | | | | |
| Dew Point | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

72350 CAPE NEWENHAM AFS AK 73-82 DEC

PAGE 2 [illegible]

| WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL OB | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 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 | | |
| 24/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 35 | 58 | 4 | 5 | 6 | 1 | | | | | | | | | | | | | | | | | | | | | | | 910 | 968 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 908 | 976 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No Obs | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | [illegible] F | -32 F | [illegible] F | [illegible] F | [illegible] F | [illegible] F | Total |
| Re Hum | 6242413. | 74690. | 82.3 | 18.425 | 908 | | | | | | | |
| Dry Bulb | 54033. | 18643. | 20.5 | 13.205 | 911 | 10.4 | 75.0 | | | | | 23 |
| Wet Bulb | 494518. | 17722. | 19.5 | 12.831 | 908 | 13.7 | 79.3 | | | | | 23 |
| Dew Point | 415396. | 14300. | 15.8 | 18.397 | 908 | 15.9 | 86.2 | | | | | 53 |

CENTRAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72SCSS CAPE NEWENHAM AFS AK 73-82 DEC



| DB | WB | WET BULB TEMPERATURE DEPRESSION F 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | TOTAL OBS | TOTAL | | |
|---|---|---|---|---|---|---|
| 49/ | 41 | .1 | 1 | 1 | | |
| 44/ | 39 | .1 .7 .3 | 12 | 12 | 2 | |
| 39/ | 37 | .7 3.1 .8 | 38 | 38 | 14 | 5 |
| 34/ | 35 | .8 6.7 .8 | 75 | 75 | 46 | 19 |
| 34/ | 33 | 1.1 7.8 .4 | 67 | 67 | 54 | 46 |
| 29/ | 31 | 2.1 4.7 .2 .1 | 83 | 83 | 76 | 44 |
| 24/ | 29 | 2.4 3.5 .4 | 58 | 58 | 56 | 36 |
| 24/ | 27 | 1.3 6.1 .7 | 74 | 74 | 57 | 32 |
| 19/ | 25 | 1.4 3.2 .8 | 49 | 49 | 53 | 47 |
| 24/ | 23 | 1.1 1.6 .1 | 25 | 25 | 46 | 45 |
| 19/ | 21 | 1.0 2.6 .1 | 33 | 33 | 32 | 37 |
| 24/ | 19 | 2.1 3.0 | 46 | 46 | 39 | 43 |
| 14/ | 17 | 1.3 2.6 | 36 | 36 | 36 | 31 |
| 16/ | 15 | 2.1 3.3 | 49 | 49 | 43 | 42 |
| 14/ | 13 | 1.2 1.1 | 21 | 21 | 34 | 37 |
| 11/ | 11 | .9 1.9 | 25 | 25 | 22 | 37 |
| 11/ | 9 | 1.4 3.2 | 42 | 42 | 45 | 28 |
| 6/ | 7 | 1.4 1.1 | 23 | 23 | 27 | 28 |
| 3/ | 5 | .8 1.4 | 20 | 20 | 26 | 23 |
| 4/ | 3 | 1.2 1.7 | 27 | 27 | 29 | 28 |
| 2/ | 1 | 1.4 .3 | 16 | 16 | 19 | 26 |
| 1/ | -1 | 1.5 1.2 | 25 | 25 | 15 | 27 |
| -2/ | -3 | 1.9 .2 | 19 | 19 | 26 | 18 |
| -4/ | -5 | 1.9 .5 | 22 | 22 | 17 | 14 |
| -6/ | -7 | 1.7 .1 | 17 | 17 | 22 | 11 |
| -8/ | -9 | .4 | 4 | 4 | 4 | 23 |
| -10/ | -11 | .2 | 2 | 2 | 2 | 11 |
| -12/ | -13 | .4 | 4 | 4 | 4 | 11 |
| -14/ | -15 | .4 | 4 | 4 | 4 | 9 |
| -16/ | -17 | | | | | 1 |
| -18/ | -19 | | | | | 13 |
| -20/ | -21 | | | | | 6 |
| -22/ | -23 | | | | | 2 |

| Element | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No Obs | Max | Min | Max Mon/Yr | Min Mon/Yr | Range | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DB | | | | | | | | | | | |
| WB | | | | | | | | | | | |
| DP | | | | | | | | | | | |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703DC CAPE NEWENHAM AFS AK 73-82 DEC



| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL DB WB | TOTAL WB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| TOTAL | 33.0 | 61.5 | 4.6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 915 | 915 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 915 | 915 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No Obs | Mean Max Min Temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 6225083. | 74869. | 81.810.407. | | 915 | | | | | | | | |
| Wet Bulb | 544497. | 18857. | 20.613.059. | | 915 | 9.9. | 73.6. | | | | | | 93 |
| Dew Point | 50.256. | 17976. | 19.612.686. | | 915 | 10.0. | 78.4. | | | | | | 93 |
| | 417672. | 14513. | 15.918.326. | | 915 | 15.9 | 85.9 | | | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72[illegible]50 CAPE NEWENHAM AFS AK 73-82 DEC

PAGE 1 1200-1400

| | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | | | |
| 40/ 39 | | 1.5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | |
| 38/ 37 | .5 | 2.8 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 24 | 2 |
| 36/ 35 | .8 | 5.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 42 | 14 |
| 34/ 33 | 1.2 | 7.2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 80 | 80 | 74 | 41 |
| 32/ 31 | 2.3 | 7.4 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 80 | 93 |
| 30/ 29 | 2.4 | 4.1 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 84 | 76 |
| 28/ 27 | 1.2 | 3.9 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 77 | 53 |
| 26/ 25 | .9 | 3.6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 58 | 46 |
| 24/ 23 | .7 | 2.6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 42 | 41 |
| 22/ 21 | 1.3 | 2.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 47 | 46 |
| 20/ 19 | 2.3 | 3.7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | [illegible] | 55 |
| 18/ 17 | 1.6 | 1.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 37 | 25 |
| 16/ 15 | 1.2 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 34 | 49 |
| 14/ 13 | 1.2 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 25 | 37 |
| 12/ 11 | .9 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 32 | 28 |
| 10/ 9 | 1.9 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 39 | 27 |
| 8/ 7 | .7 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 23 | 38 |
| 6/ 5 | .8 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 25 | 27 |
| 4/ 3 | .9 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 21 | 25 |
| 2/ 1 | .8 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 12 | 21 |
| 0/ -1 | 2.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | [illegible] | 22 |
| -2/ -3 | 2.8 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 41 | 25 |
| -4/ -5 | 1.0 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 13 | 13 |
| -6/ -7 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 19 | 12 |
| -8/ -9 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 8 | 8 |
| -10/-11 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 12 |
| -12/-13 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 12 |
| -14/-15 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -22/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 32.5 | 61.3 | 6.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 913 | | 913 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 913 | | 913 | |

| | $\Sigma x$ | $\Sigma x^2$ | $\bar{x}$ | $\sigma_x$ | No Obs | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6.36.96 | 74220 | 81.310 | .738 | 913 | | | | | | |
| | 555765 | 19155 | 61.012 | .998 | 913 | 10.6 | 73.4 | | | | 93 |
| | 5[illegible]3 | 18227 | 60.012 | .615 | 913 | 10.8 | 78.7 | | | | 93 |
| | 421.70 | 14652 | 16.014 | .286 | 913 | 15.0 | 85.2 | | | | 93 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7[illegible] CAPE NEWENHAM AFS AK 73-[illegible] DEC



WET BULB TEMPERATURE DEPRESSION F

| Temp. (F) | | | | Total | Total | Total | |
|---|---|---|---|---|---|---|---|
| 42/ 41 | .1 | | .1 | 2 | 2 | 1 | 1 |
| 40/ 39 | | 1.1 | .8 | 15 | 15 | 2 | |
| [illegible]/ 37 | 1.3 | 3.4 | .4 | 4[illegible] | 4[illegible] | [illegible]3 | 9 |
| 36/ 35 | .6 | 4.5 | | 41 | 41 | 3[illegible] | [illegible]4 |
| 34/ 33 | .5 | 6.3 | | [illegible]4 | [illegible]4 | [illegible]5 | [illegible]7 |
| [illegible]2/ 31 | 3.5 | 6.5 | .8 | 87 | 87 | 74 | 68 |
| [illegible]/ 29 | 1.6 | 4.9 | .3 | [illegible]4 | [illegible]4 | 61 | 55 |
| 28/ 27 | 1.5 | 3.6 | .3 | 43 | 43 | 56 | [illegible] |
| 26/ 25 | .5 | 4.1 | .6 | 42 | 42 | 78 | 46 |
| 24/ 23 | .3 | 1.3 | .5 | 21 | 21 | 36 | 26 |
| [illegible]/ 21 | 1.[illegible] | 3.4 | .4 | 44 | 44 | 40 | 41 |
| 20/ 19 | 1.6 | 2.9 | | 36 | 36 | 4[illegible] | [illegible]1 |
| 18/ 17 | .3 | 2.3 | | 24 | 24 | [illegible]3 | 3[illegible] |
| 16/ 15 | 1.0 | 2.8 | | 30 | 30 | 25 | [illegible] |
| 14/ 13 | 1.5 | 2.5 | | 32 | 32 | 36 | [illegible]2 |
| 12/ 11 | 2.1 | 2.5 | | 37 | 38 | 77 | 4[illegible] |
| 10/ 9 | 1.5 | 2.1 | | 29 | 29 | 33 | 26 |
| 8/ 7 | .6 | 1.0 | | 13 | 13 | [illegible] | 31 |
| 6/ 5 | .4 | 1.4 | | 14 | 14 | 12 | 23 |
| 4/ 3 | 1.1 | 1.8 | | 23 | 23 | 24 | [illegible]4 |
| 2/ 1 | .9 | 1.3 | | 16 | 16 | 19 | [illegible]4 |
| 0/ -1 | 2.1 | .3 | | 19 | 19 | 16 | [illegible] |
| -2/ -3 | 4.[illegible] | 1.3 | | 42 | 42 | 35 | [illegible]6 |
| -4/ -5 | 1.8 | .6 | | 19 | 19 | 2[illegible] | [illegible]1 |
| -6/ -7 | 1.6 | | | 13 | 13 | 16 | [illegible]3 |
| -8/ -9 | .5 | | | 4 | 4 | 4 | [illegible]3 |
| -10/-11 | | | | | | | [illegible] |
| -12/-13 | | | | | | | 3 |
| -14/-15 | .4 | | | 3 | 3 | 3 | [illegible] |
| -16/-17 | | | | | | | 2 |
| -18/-19 | | | | | | | [illegible]2 |
| -20/-21 | | | | | | | 2 |
| TOTAL | 33.6 | 62.4 | 4.0 | 797 | 798 | 797 | 797 |

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 5361960. | 648[illegible]4. | [illegible]1.310 | .700. | 797 | | | |
| [illegible] | 464362. | 16096. | 20.213 | .263. | 798 | 11.7. | 75.3. | 93 |
| [illegible] | 427064. | 15320. | 19.212 | .906. | 797 | 11.8. | 79.0. | 93 |
| [illegible] | 356435. | 121[illegible]1 | 15.314 | .625. | 797 | 17.3 | 85.9 | 93 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

[illegible] CAPE NEWENHAM AFS AK 73-74,77-82 DEC

PAGE 1 1800-2000

| TEMP. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|
| 4 / 39 | .2 | 1.1 | .6 | 12 | [illegible] | [illegible] | 1 |
| 38/ 37 | .8 | 2.4 | .8 | 26 | 26 | 15 | 3 |
| 3 / 35 | 1.8 | 6.6 | .5 | 59 | [illegible] | [illegible] | 19 |
| 34/ 33 | .6 | 4.6 | .6 | 38 | 38 | [illegible] | 33 |
| / 31 | 3.2 | 6.4 | .3 | 65 | 65 | [illegible] | 77 |
| / 29 | 2.0 | 3.4 | .2 | 36 | 36 | 44 | 34 |
| 2 / 27 | 1.5 | 6.6 | .3 | 55 | 55 | 43 | 31 |
| / 25 | .5 | 2.6 | .2 | 21 | 21 | 41 | 36 |
| / 23 | .5 | 1.5 | .6 | 17 | 17 | 24 | [illegible] |
| / 21 | 1.7 | 3.5 | .8 | 39 | 39 | 27 | 21 |
| / 19 | 3.1 | 4.0 | .3 | 46 | 46 | [illegible] | 44 |
| / 17 | .6 | 1.4 | | 13 | 13 | 26 | 19 |
| / 15 | .8 | 1.7 | | 16 | 16 | 17 | 22 |
| 14/ 13 | 1.2 | 3.4 | .2 | 31 | 31 | 13 | [illegible] |
| 1 / 11 | 1.5 | 3.0 | | 31 | 31 | 71 | 25 |
| / 9 | .6 | 2.1 | | 16 | 18 | 29 | 34 |
| / 7 | 1.1 | 2.1 | | 21 | 21 | 26 | 11 |
| / 5 | .2 | .3 | | 3 | 3 | [illegible] | 14 |
| 4/ 3 | 1.8 | 2.7 | | 27 | 27 | 24 | 14 |
| / 1 | .6 | 1.1 | | 11 | 11 | 13 | 22 |
| / -1 | 2.0 | .3 | | 15 | 15 | 14 | 16 |
| - / -3 | 2.0 | 1.2 | | 21 | 21 | 21 | 12 |
| -4/ -5 | 1.8 | .3 | | 14 | 14 | 14 | 17 |
| - / -7 | 2.3 | | | 15 | 15 | 17 | 12 |
| - / -9 | .6 | | | 4 | 4 | 4 | 14 |
| -1 /-11 | | | | | | | 11 |
| -1 /-13 | | | | | | | 6 |
| -14/-15 | | | | | | | 9 |
| -1 /-17 | | | | | | | 5 |
| -1 /-19 | | | | | | | 8 |
| TOTAL | 32.3 | 62.0 | 5.2 | 655 | 655 | 655 | 655 |

| | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | NO. OBS | | | |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 4453160. | 53512. | 81.7 | 11.154 | 655 | | | |
| [illegible] | 394413. | 13571. | 20.7 | 12.924 | 655 | 9.2 | 74.0 | 93 |
| [illegible] | 359158. | 12932. | 19.7 | 12.600 | 655 | 9.9 | 77.5 | 93 |
| [illegible] | [illegible]766 | 10418 | 15.9 | 14.371 | 655 | 15.0 | 85.0 | 93 |

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# PSYCHROMETRIC SUMMARY

725805 CAPE MENDENHALL AFS AK 73-82 DEC

PAGE 1 2155-2703

| WET BULB TEMPERATURE DEPRESSION F | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|
| ../ 41 | | .3 | | | | | |
| 40/ 39 | .3 | 1.5 | .6 | 15 | 15 | 5 | 1 |
| 38/ 37 | .3 | 3.9 | .6 | 22 | 22 | 14 | 7 |
| 36/ 35 | 2.1 | 5.1 | .4 | 51 | 51 | 54 | 29 |
| 34/ 33 | .9 | 9.2 | .6 | 45 | 45 | 35 | 59 |
| 32/ 31 | 2.2 | 5.2 | .9 | 56 | 56 | 56 | 65 |
| 30/ 29 | 2.2 | 3.6 | .4 | 42 | 42 | 52 | 36 |
| 28/ 27 | 1.2 | 5.5 | .6 | 48 | 48 | 43 | 40 |
| 26/ 25 | .7 | 9.6 | .4 | 46 | 46 | 46 | 32 |
| 24/ 23 | .6 | 2.2 | .1 | 22 | 22 | 43 | 16 |
| 22/ 21 | 1.9 | 3.0 | .4 | 36 | 36 | 29 | 44 |
| 20/ 19 | 1.6 | 3.4 | .3 | 36 | 36 | 23 | 43 |
| 18/ 17 | .9 | 7.8 | | 25 | 25 | 29 | 22 |
| 16/ 15 | .7 | 1.6 | .1 | 17 | 17 | 16 | 21 |
| 14/ 13 | 1.3 | 1.8 | | 21 | 21 | 19 | 31 |
| 12/ 11 | 1.3 | 1.8 | .1 | 22 | 22 | 24 | 33 |
| 10/ 9 | 2.1 | 2.7 | | 32 | 32 | 32 | 27 |
| 8/ 7 | .7 | 2.5 | | 22 | 22 | 24 | 21 |
| 6/ 5 | .9 | .7 | | 11 | 11 | 16 | 16 |
| 4/ 3 | 1.2 | 1.3 | | 17 | 17 | 16 | 25 |
| 2/ 1 | .3 | 1.5 | | 12 | 12 | 14 | 12 |
| 0/ -1 | 2.2 | | | 15 | 15 | 16 | 14 |
| -2/ -3 | 2.1 | .7 | | 19 | 19 | 16 | 11 |
| -4/ -5 | 1.8 | | | 12 | 12 | 16 | 10 |
| -6/ -7 | 2.1 | .1 | | 15 | 15 | 14 | 14 |
| -8/ -9 | .7 | | | 5 | 5 | 6 | 10 |
| -10/-11 | | | | | | | 3 |
| -12/-13 | | | | | | | 6 |
| -14/-15 | | | | | | | 6 |
| -16/-17 | | | | | | | 12 |
| -18/-19 | | | | | | | 5 |
| -20/-25 | | | | | | | 1 |
| TOTAL | 32.3 | 1.9 | 5.8 | | 675 | | 675 |
| | | | | 675 | | 675 | |

| $\Sigma_x$ | $\Sigma_x$ | $\bar{x}$ | $\sigma_x$ | N OBS | | | |
|---|---|---|---|---|---|---|---|
| 459470. | 35100. | 81.711 | 8.157 | 675 | | | |
| 41818. | 14276. | 21.112 | 8.795 | 675 | 9.1 | 72.9 | *3 |
| 37814. | 13602. | 20.212 | 8.425 | 675 | 9.2 | 77.8 | *3 |
| 311343 | 11719 | 16.314 | 8.103 | 675 | 14.2 | 83.9 | *3 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703000 CAPE NEWENHAM AFS AK 73-82 DEC

PAGE 1 ALL

WET BULB TEMPERATURE DEPRESSION F

| | | | | | TOTAL | | TOTAL | |
|---|---|---|---|---|---|---|---|---|
| 44/ 43 | | | .0 | | 2 | 2 | | |
| 42/ 41 | .0 | .1 | .1 | | 10 | 10 | 4 | 1 |
| 40/ 39 | .1 | 1.1 | .4 | | 104 | 104 | 50 | 3 |
| 38/ 37 | .6 | 2.8 | .8 | | 285 | 285 | 146 | 42 |
| 36/ 35 | .9 | 5.5 | .5 | | 464 | 466 | 340 | 106 |
| 34/ 33 | 1.0 | 5.9 | .5 | | 492 | 493 | 506 | 316 |
| 32/ 31 | 2.4 | 6.6 | .6 | .0 | 649 | 649 | 586 | 460 |
| 30/ 29 | 2.1 | 4.0 | .5 | | 436 | 436 | 555 | 440 |
| 28/ 27 | 1.5 | 5.2 | .5 | .0 | 485 | 485 | 450 | 393 |
| 26/ 25 | 1.0 | 4.0 | .5 | | 369 | 369 | 496 | 304 |
| 24/ 23 | .7 | 2.1 | .2 | | 202 | 202 | 340 | 279 |
| 22/ 21 | 1.7 | 2.1 | .3 | | 277 | 277 | 322 | 360 |
| 20/ 19 | 2.0 | 3.1 | .1 | | 349 | 349 | 276 | 426 |
| 18/ 17 | 1.3 | 2.1 | .1 | | 234 | 234 | 256 | 243 |
| 16/ 15 | 1.3 | 2.4 | .0 | | 253 | 253 | 250 | 251 |
| 14/ 13 | 1.0 | 1.6 | .0 | | 189 | 189 | 171 | 201 |
| 12/ 11 | 1.3 | 2.2 | .0 | | 237 | 238 | 235 | 255 |
| 10/ 9 | 1.9 | 2.3 | | | 281 | 281 | 320 | 226 |
| 8/ 7 | 1.0 | 1.7 | | | 164 | 164 | 193 | 244 |
| 6/ 5 | .7 | 1.3 | | | 133 | 133 | 153 | 174 |
| 4/ 3 | 1.0 | 1.8 | | | 171 | 171 | 190 | 202 |
| 2/ 1 | .9 | 1.0 | | | 132 | 132 | 152 | 169 |
| 0/ -1 | 2.0 | .5 | | | 165 | 165 | 146 | 159 |
| -2/ -3 | 2.4 | .6 | | | 197 | 197 | 217 | 152 |
| -4/ -5 | 1.7 | .4 | | | 142 | 142 | 130 | 132 |
| -6/ -7 | 1.8 | .0 | | | 120 | 120 | 145 | 127 |
| -8/ -9 | .7 | | | | 48 | 48 | 49 | 142 |
| -10/-11 | .2 | | | | 14 | 14 | 14 | 144 |
| -12/-13 | .2 | | | | 11 | 11 | 11 | 67 |
| -14/-15 | .2 | | | | 16 | 16 | 16 | 78 |
| -16/-17 | .1 | | | | 6 | 6 | 6 | 48 |
| -18/-19 | | | | | | | | 75 |
| -20/-21 | | | | | | | | 21 |
| -22/-23 | | | | | | | | 1 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

703950 CAPE NEWENHAM AFS AK 73-82 DEC

PAGE 2 ALL

| DB | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL WB | TOTAL DB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| -26/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| -28/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 34 | 26 | 20 | 6 | 5 | 3 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 6601 | 6677 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6677 | 6677 |

| Element X | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No Obs | Mean Number of Hours with Temperature in | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| Rel Hum | 45394366. | 545804. | 81.810 | 0.726 | 6677 | | | | | | | |
| Dry Bulb | 3984357. | 137795. | 20.643 | 0.377 | 6601 | 80.1 | 592.5 | | | | | 744 |
| Wet Bulb | 3655869. | 131217. | 19.712 | 0.702 | 6677 | 82.3 | 537.8 | | | | | 744 |
| Dew Point | 3056316. | 105688. | 15.818 | 0.368 | 6677 | 129.4 | 686.3 | | | | | 744 |

GLOBAL CLIMATOLOGY BRANCH
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# PSYCHROMETRIC SUMMARY

723260 CAPE NEWENHAM AFS AK 73-82 ALL

PAGE 1 ALL

| Temp | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74/ 73 | | | | | | | | .0 | | 1 | 1 | | |
| 72/ 71 | | | | | | | | .0 | | 1 | 1 | | |
| 70/ 69 | | | | .0 | | .0 | .0 | .0 | | 11 | 11 | | |
| 68/ 67 | | | | | .0 | .0 | .0 | | | 28 | 29 | | |
| 66/ 65 | | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 50 | 50 | | |
| 64/ 63 | | .0 | .0 | .0 | .1 | .0 | .0 | .0 | | 86 | 88 | [illegible] | |
| 62/ 61 | | .0 | .0 | .1 | .1 | .0 | .0 | .0 | | 161 | 161 | 6 | 2 |
| 60/ 59 | | .0 | .1 | .2 | .1 | .0 | .0 | | | 332 | 332 | 34 | 6 |
| 58/ 57 | | .1 | .3 | .2 | .1 | .0 | | | | 652 | 657 | 122 | 9 |
| 56/ 55 | .0 | .5 | .7 | .3 | .1 | .0 | | | | 1271 | 1271 | 479 | [illegible] |
| 54/ 53 | .1 | 1.3 | 1.1 | .3 | .1 | .0 | | | | 2337 | 2337 | 1119 | 46[illegible] |
| 52/ 51 | .4 | 2.2 | 1.3 | .3 | .0 | | | | | 3426 | 3426 | 2573 | 1565 |
| 50/ 49 | .6 | 3.4 | 1.8 | .3 | .0 | | | | | 4373 | 4973 | [illegible] | [illegible] |
| 48/ 47 | .6 | 4.0 | 1.4 | .2 | .0 | | | | | 4927 | 4928 | 4961 | 3913 |
| 46/ 45 | .5 | 3.5 | 1.2 | .2 | .0 | .0 | | | | 4501 | 4501 | 5372 | 4602 |
| 44/ 43 | .3 | 2.8 | 1.3 | .2 | .0 | | | | | 3655 | 3655 | 4227 | 4515 |
| 42/ 41 | .2 | 2.5 | 1.2 | .1 | .0 | | | | | 3248 | 3248 | 3091 | 3955 |
| 40/ 39 | .3 | 2.7 | 1.4 | .1 | .0 | | | | | 3736 | 3736 | 3551 | 3499 |
| 38/ 37 | .5 | 3.6 | 1.1 | .1 | | | | | | 4212 | 4212 | 3752 | 3295 |
| 36/ 35 | .6 | 4.8 | .9 | .0 | | | | | | 5262 | 5263 | 4746 | 3501 |
| 34/ 33 | 1.1 | 5.4 | .7 | .0 | .0 | | | | | 5779 | 5751 | 6176 | 4478 |
| 32/ 31 | 1.6 | 6.0 | .7 | .0 | | | | | | 6661 | 6601 | 6196 | 7665 |
| 30/ 29 | 1.2 | 3.0 | .4 | .0 | | | | | | 3693 | 3693 | 5672 | 5197 |
| 28/ 27 | .8 | 2.7 | .2 | .0 | | | | | | 2957 | 2959 | 3473 | 4374 |
| 26/ 25 | .5 | 2.2 | .2 | .0 | | | | | | 2293 | 2293 | 2970 | 3657 |
| 24/ 23 | .3 | 1.0 | .1 | .0 | | | | | | 1273 | 1273 | 2073 | 1990 |
| 22/ 21 | .5 | 1.1 | .1 | .0 | | | | | | 1356 | 1356 | 1016 | 2460 |
| 20/ 19 | .6 | 1.6 | .1 | | | | | | | 1820 | 1800 | 1456 | 2444 |
| 18/ 17 | .4 | 1.1 | .0 | | | | | | | 1163 | 1163 | 1435 | 1462 |
| 16/ 15 | .4 | 1.1 | .0 | | | | | | | 1233 | 1233 | 1212 | 1451 |
| 14/ 13 | .4 | .6 | .0 | | | | | | | 977 | 937 | 1039 | 1222 |
| 12/ 11 | .4 | .8 | .0 | | | | | | | 946 | 947 | 950 | 1216 |
| 10/ 9 | .5 | .8 | .0 | | | | | | | 969 | 969 | 1099 | 1216 |
| 8/ 7 | .4 | .6 | .0 | | | | | | | 786 | 786 | 662 | 954 |

$\Sigma x^2$ $\Sigma x$ $\bar{x}$ $\sigma_x$ No. Obs.

...RAL CLIMATOLOGY BRANCH
...SFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725350 CAPE NEWENHAM AFS AK 73-82 ALL

PAGE 1 ALL

WET BULB TEMPERATURE DEPRESSION F

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7-8 | 9-10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 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 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/ 0 | .3 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/ 2 | .4 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/ 0 | .4 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/ -1 | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1/ -3 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -3/ -5 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -5/ -7 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -7/ -9 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -9/-11 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -11/-13 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -13/-15 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -15/-17 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -17/-19 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -19/-21 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -21/-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -23/-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -25/-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -27/-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -29/-31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -31/-33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -33/-35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -35/-37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -37/-39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -39/-41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -41/-43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -43/-45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -45/-47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -47/-49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -49/-51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -51/-53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -53/-55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -55/-57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 17.8 | 62.2 | 16.4 | 2.9 | .6 | .1 | .0 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

79731 79732
79722 79732

| Element | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | 558764448. | 6624942. | 83.110 | .159. | 79722 | | | | | |
| Dew Point | 113646253. | 2722767. | 34.114 | .883. | 79731 | 343.03419.5. | 4.5. | .1 | | 8760 |
| Wet Bulb | 100537513. | 2592971. | 32.514 | .255. | 79722 | 370.43862.3. | | | | 8760 |
| Vap Press | 68772338. | 2349058. | 29.515 | .662 | 79722 | 567.58706.9 | | | | 8760 |

AC CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE / MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATION

CAPE NEWENHAM AFS AK 73-82

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20.7 | 17.8 | 22.9 | 27.2 | 36.8 | 42.6 | 48.2 | 51.2 | 46.4 | 38.1 | 29.7 | 24.5 | 33.7 |
| | 14.8771 | 15.4861 | 12.440 | 8.717 | 5.324 | 4.293 | 4.432 | 3.273 | 3.987 | 6.052 | 9.16213 | 13.173 | 14.1771 |
| | 868 | 778 | 871 | 882 | 854 | 727 | 866 | 859 | 842 | 925 | 879 | 869 | 10067 |
| | 21.8 | 17.8 | 22.7 | 26.9 | 36.3 | 42.8 | 47.7 | 49.5 | 45.8 | 35.7 | 28.4 | 23.4 | 33.2 |
| | 14.4371 | 15.3861 | 12.961 | 8.751 | 5.270 | 4.305 | 4.263 | 3.227 | 4.013 | 6.659 | 9.14313 | 13.217 | 14.1731 |
| | 868 | 871 | 915 | 888 | 914 | 796 | 915 | 918 | 893 | 901 | 875 | 871 | 10065 |
| | 21.7 | 17.4 | 21.6 | 27.2 | 37.3 | 42.8 | 48.7 | 50.2 | 46.2 | 36.6 | 28.4 | 23.5 | 33.3 |
| | 14.3715 | 15.5081 | 12.999 | 8.769 | 5.300 | 4.344 | 4.327 | 3.339 | 4.265 | 6.966 | 9.15613 | 13.275 | 14.1497 |
| | 867 | 833 | 917 | 889 | 917 | 894 | 921 | 921 | 893 | 909 | 881 | 911 | 10057 |
| | 20.8 | 17.7 | 22.9 | 28.0 | 39.3 | 45.4 | 51.4 | 51.6 | 47.5 | 36.3 | 28.8 | 23.5 | 34.2 |
| | 14.3611 | 15.8211 | 12.427 | 8.616 | 6.471 | 4.745 | 4.538 | 3.651 | 4.148 | 7.055 | 9.15013 | 13.59 | 14.1579 |
| | 867 | 839 | 925 | 892 | 916 | 894 | 919 | 919 | 896 | 927 | 885 | 911 | 10073 |
| | 22.7 | 19.2 | 24.4 | 29.6 | 41.5 | 46.7 | 51.7 | 52.9 | 48.4 | 37.6 | 29.5 | 24.6 | 35.4 |
| | 14.0201 | 15.3821 | 12.023 | 8.513 | 6.748 | 4.894 | 4.617 | 3.835 | 4.226 | 6.866 | 9.08812 | 13.399 | 15.1747 |
| | 93 | 839 | 929 | 886 | 915 | 819 | 920 | 921 | 895 | 909 | 868 | 911 | 10748 |
| | 22.1 | 19.2 | 24.3 | 29.9 | 41.3 | 46.6 | 51.7 | 52.8 | 48.3 | 37.1 | 29.4 | 24.2 | 35.2 |
| | 13.9971 | 14.9111 | 11.974 | 8.465 | 6.693 | 4.826 | 4.622 | 3.684 | 4.146 | 6.173 | 8.93413 | 13.243 | 15.1299 |
| | 893 | 816 | 927 | 864 | 863 | 726 | 864 | 875 | 851 | 816 | 789 | 798 | 9981 |
| | 24.7 | 19.3 | 25.9 | 30.6 | 39.9 | 45.5 | 51.4 | 51.8 | 47.6 | 36.5 | 29.2 | 25.7 | 34.9 |
| | 13.8741 | 14.8481 | 12.117 | 8.681 | 6.498 | 4.224 | 4.722 | 3.611 | 3.993 | 5.962 | 8.86612 | 12.974 | 14.8346 |
| | 894 | 835 | 924 | 791 | 827 | 464 | 675 | 782 | 719 | 742 | 732 | 855 | 8279 |
| | 24.7 | 20.0 | 25.2 | 27.9 | 36.1 | 43.9 | 48.9 | 50.9 | 46.6 | 36.3 | 29.3 | 25.1 | 34.4 |
| | 13.2361 | 14.2451 | 11.969 | 8.732 | 5.662 | 4.122 | 4.533 | 3.359 | 3.974 | 6.197 | 8.76312 | 12.795 | 13.9453 |
| | 871 | 569 | 748 | 783 | 623 | 536 | 684 | 737 | 778 | 789 | 744 | 673 | 8261 |
| | 22.7 | 18.5 | 23.7 | 28.4 | 38.5 | 44.6 | 49.7 | 51.2 | 47.1 | 36.2 | 29.9 | 24.0 | 34.1 |
| | 14.6391 | 15.2011 | 12.295 | 8.739 | 6.272 | 4.799 | 4.767 | 3.731 | 4.167 | 6.598 | 9.10513 | 13.177 | 14.9683 |
| | 6929 | 6132 | 7445 | 6951 | 6627 | 5761 | 6757 | 6936 | 6619 | 6278 | 6468 | 6651 | 79773 |

USAFETAC [illegible] (OLA)

2

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

CAPE [illegible]ENHAM AFS AK 73-80

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 21.0 | 16.8 | 21.9 | 26.0 | 34.1 | 41.1 | 46.2 | 46.1 | 44.3 | 34.3 | 27.4 | 19.9 | 29.6 |
| | | 14.494 | 15.038 | 12.058 | 8.463 | 4.666 | 3.822 | 3.673 | 3.052 | 4.070 | 6.418 | 8.877 | 12.711 | 14.[illegible] |
| | | 694 | 778 | 677 | 892 | 854 | 726 | 862 | 959 | 893 | 905 | 879 | 870 | [illegible] |
| | | 20.0 | 16.7 | 21.0 | 25.7 | 34.4 | 42.7 | 46.1 | 47.7 | 43.7 | 34.1 | 27.1 | 19.1 | 31.0 |
| | | 14.978 | 14.9 | 12.468 | 8.508 | 4.681 | 3.897 | 3.610 | 3.132 | 4.246 | 6.578 | 8.711 | 12.824 | 14.174 |
| | | 949 | 831 | 914 | 884 | 912 | 790 | 915 | 918 | 893 | 902 | 876 | 876 | [illegible] |
| | | 20.7 | 16.4 | 21.8 | 26.8 | 35.3 | 41.5 | 46.7 | 48.3 | 44.1 | 34.8 | 27.1 | 19.1 | 31.1 |
| | | 14.673 | 15.271 | 12.613 | 8.532 | 4.946 | 3.723 | 3.467 | 3.029 | 4.201 | 6.459 | 8.821 | 12.1 | 14.[illegible] |
| | | 917 | 833 | 916 | 889 | 917 | 845 | 921 | 921 | 893 | 911 | 881 | 870 | [illegible] |
| | | 20.9 | 16.7 | 21.8 | 27.4 | 36.8 | 43.1 | 48.2 | 49.5 | 45.1 | 34.4 | 27.6 | 19.[illegible] | 31.[illegible] |
| | | 14.752 | 15.361 | 12.522 | 8.330 | 5.296 | 3.857 | 3.465 | 3.072 | 4.132 | 6.596 | 8.271 | 12.[illegible] | 14.[illegible] |
| | | 919 | 839 | 925 | 871 | 916 | 854 | 919 | 919 | 894 | 907 | 885 | 913 | [illegible] |
| | | 21.0 | 19.0 | 23.1 | 28.5 | 37.8 | 44.[illegible] | 49.[illegible] | [illegible] | 45.7 | 35.1 | [illegible] | [illegible] | [illegible] |
| | | 14.532 | 14.631 | 11.284 | 8.112 | 5.476 | 3.813 | 3.413 | 3.038 | 4.[illegible] | 6.723 | 8.[illegible]132 | [illegible] | 14.[illegible] |
| | | 928 | 839 | 928 | 888 | 915 | 819 | 922 | 921 | [illegible] | [illegible] | 88 | 913 | [illegible] |
| | | 21.3 | 18.1 | 23.1 | 28.3 | 37.6 | 43.9 | 48.9 | [illegible] | 45.7 | [illegible] | [illegible] | [illegible] | [illegible] |
| | | 14.623 | 14.398 | 11.255 | 8.048 | 5.385 | 3.849 | 3.412 | 3.057 | 3.958 | 6.[illegible]48 | [illegible]7212 | [illegible] | 14.[illegible] |
| | | 861 | 846 | 927 | 861 | 863 | 72[illegible] | 864 | 875 | 851 | 816 | 788 | [illegible] | [illegible] |
| | | 20.[illegible] | 18.4 | 21.8 | 27.5 | 37.3 | 43.4 | 48.1 | 49.7 | 45.2 | 34.3 | [illegible] | [illegible] | [illegible] |
| | | 12.733 | 13.667 | 11.825 | 8.357 | 5.419 | 3.[illegible]76 | 3.503 | 3.036 | 4.[illegible]51 | 6.[illegible]84 | 8.365 | 12.[illegible] | [illegible] |
| | | 94 | 835 | 822 | 781 | 827 | 464 | 676 | 792 | 719 | [illegible]4[illegible] | 732 | 685 | [illegible] |
| | | 20.[illegible] | 19.[illegible] | 22.3 | 28.6 | 38.1 | 42.1 | 47.[illegible] | 49.[illegible] | 44.5 | 34.[illegible] | [illegible] | [illegible] | [illegible] |
| | | 12.766 | 13.825 | 11.648 | 8.523 | 4.[illegible]48 | 3.[illegible]93 | 3.[illegible]09 | 3.[illegible]24 | 4.[illegible]62 | 6.[illegible]8[illegible] | 8.[illegible]3112 | [illegible] | 13.[illegible] |
| | | 8[illegible] | 569 | 74[illegible] | 79[illegible] | 623 | 536 | 68[illegible] | 737 | 778 | 789 | 744 | 675 | [illegible] |
| | | 21.6 | 17.4 | 21.9 | 27.[illegible] | 36.2 | 42.5 | 47.5 | 49.2 | 44.8 | 34.4 | 27.5 | 19.[illegible] | 32.[illegible] |
| | | 14.41[illegible] | 14.779 | 11.935 | 8.413 | 5.246 | 3.943 | 3.583 | 3.213 | 4.152 | 6.478 | 8.[illegible]6312 | [illegible] | 14.[illegible] |
| | | 6[illegible] | 6136 | 7[illegible]47 | 6851 | 6627 | 5760 | 6757 | 6932 | 6[illegible]19 | 6377 | [illegible]665 | 6677 | 77722 |

[illegible]

[illegible] CLIMATOLOGY BRANCH
2 [illegible]
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible] CAPE NEWENHAM AFS AK 73-80

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |
| | MEAN | 17.7 | 12.3 | 18.5 | 32.6 | 38.2 | 39.3 | 44.5 | 46.5 | 42.2 | 31.4 | 24.4 | 15.7 | [illegible] |
| -10 | | 10.3 | 7317 | 7.771 | 3.433 | 9.744 | 4.795 | 4.362 | 3.681 | 3.696 | 5.303 | 7.489 | 9.6911 | 4.335 |
| | | [illegible] | 778 | 879 | 884 | 854 | 726 | 862 | 859 | 892 | 925 | 879 | 9[illegible] | [illegible] |
| | MEAN | 10.4 | 12.2 | 17.3 | 32.6 | 31.6 | 39.1 | 44.5 | 46.3 | 41.8 | 31.2 | 24.3 | 15.7 | [illegible] |
| -9 | | 17.3 | 7316 | 8.878 | 4.[illegible]55 | 9.742 | 4.934 | 4.227 | 3.65[illegible] | 3.785 | 5.[illegible]95 | 7.637 | 9.6541 | 4.[illegible] |
| | | [illegible] | 881 | 914 | 88[illegible] | 912 | 796 | 915 | 918 | 893 | 9[illegible] | 876 | [illegible] | [illegible] |
| | MEAN | 10.[illegible] | 12.1 | 18.[illegible] | 32.9 | 32.4 | 39.8 | 45.3 | 46.8 | 41.9 | 31.1 | 24.1 | 15.8 | [illegible] |
| -8 | | 17.4 | 8018 | 6.919 | 4.3[illegible]5 | 9.819 | 4.919 | 3.89[illegible] | 3.355 | 3.523 | 5.230 | 7.364 | 9.6771 | 4.797 |
| | | [illegible] | 933 | 916 | 899 | 917 | 845 | 921 | 921 | 893 | [illegible] | 880 | [illegible] | [illegible] |
| | MEAN | 10.6 | 12.1 | 17.9 | 24.0 | 33.8 | 40.8 | 46.3 | 47.9 | 42.7 | 31.4 | 24.3 | 15.9 | [illegible] |
| -7 | | 17.2 | 6917 | 7.319 | 3.835 | 9.651 | 5.144 | 3.95[illegible] | 3.258 | 3.356 | 4.934 | 8.014 | 9.6891 | 4.336 |
| | | [illegible] | 939 | 925 | 89[illegible] | 916 | 854 | 919 | 919 | 898 | 937 | 885 | [illegible] | [illegible] |
| | MEAN | [illegible].3 | 13.4 | 19.2 | 24.9 | 34.2 | 41.2 | 46.6 | 48.3 | 43.1 | 31.8 | 24.9 | 16.[illegible] | [illegible] |
| -6 | | 17.3 | 8416 | 6.669 | 3.817 | 9.268 | 5.274 | 3.783 | 3.325 | 3.314 | 4.773 | 7.813 | 9.4261 | 4.778 |
| | | [illegible] | [illegible]39 | [illegible]26 | 888 | 915 | [illegible]17 | 922 | 921 | 895 | [illegible]9 | [illegible]8[illegible] | [illegible] | [illegible] |
| | MEAN | 18.[illegible] | 13.6 | 19.5 | 24.9 | 34.1 | 41.[illegible] | 46.4 | 48.3 | 43.1 | 32.[illegible] | [illegible]4.1 | 16.[illegible] | [illegible] |
| -5 | | 17.8 | 8[illegible]16.[illegible]2 | 213.[illegible]36 | 9.227 | [illegible].[illegible]42 | 3.671 | 3.173 | 3.237 | 4.748 | 7.[illegible]94 | 9.[illegible]8914 | .[illegible]75 | 15.[illegible]71 |
| | | [illegible]1 | [illegible]46 | [illegible]27 | 861 | 863 | 72[illegible] | [illegible]74 | 875 | 851 | [illegible]11 | 789 | [illegible]97 | [illegible]99[illegible] |
| | MEAN | 17.9 | 14.1 | 18.3 | 24.2 | 33.9 | 41.[illegible] | 46.1 | 47.9 | 42.7 | 31.4 | 25.2 | 15.9 | [illegible]5.9 |
| -4 | | 14.7 | 5816.5741 | 3.593 | 9.621 | 5.409 | 3.337 | 3.299 | 3.346 | 4.934 | 6.796 | 9.1521 | 4.371 | 10.253 |
| | | [illegible] | 835 | 822 | 781 | 827 | 864 | [illegible]76 | 792 | 719 | 742 | 732 | 655 | [illegible]273 |
| | MEAN | [illegible].[illegible]3 | 14.7 | 19.2 | 23.5 | 33.1 | 40.2 | 45.3 | 47.4 | 42.2 | 31.4 | 25.2 | 15.3 | [illegible].1 |
| -3 | | 14.5 | 1716.8641 | [illegible]. 10 | 9.881 | 4.941 | 3.755 | 3.489 | 3.472 | 5.017 | 6.980 | 9.1891 | 4.1[illegible]3 | 14.6[illegible] |
| | | [illegible]1[illegible] | 569 | 74[illegible] | 78[illegible] | [illegible]23 | 536 | [illegible]8[illegible] | 737 | 778 | 789 | 744 | 675 | [illegible]25[illegible] |
| | MEAN | 17.[illegible] | 13.[illegible] | 18.[illegible] | 23.7 | 33.[illegible] | 41.[illegible]3 | 46.6 | 47.4 | 42.5 | 31.[illegible]5 | 24.[illegible]6 | 15.8 | [illegible]9.[illegible] |
| -2 | | 16.[illegible]79 | 16.[illegible]547 | 13.[illegible]597 | 9.654 | 5.167 | 3.956 | 3.495 | 3.[illegible]57[illegible] | 4.975 | 7.[illegible]33 | 9.4961 | 4.364 | 1[illegible].[illegible]62 |
| | | [illegible] 6[illegible]9 | 6136 | 7[illegible]42 | 6851 | [illegible]627 | 576 | [illegible]757 | 6932 | [illegible]819 | [illegible]877 | [illegible]865 | [illegible]677 | 73722 |

[illegible]SAFETAC [illegible] (JLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

[illegible] CAPE NEWENHAM AFS AK 73-8[illegible] JAN
STATION STATION NAME PERIOD

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | [illegible] OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| JAN | [illegible]-02 | 100.0 | [illegible] | 100.0 | [illegible]9.2 | 98.2 | 94.6 | 81.9 | 59.1 | 25.6 | [illegible]1.9 | [illegible] |
| | [illegible]-5 | 100.0 | [illegible] | 99.7 | 98.7 | 96.8 | 91.2 | 83.5 | 63.3 | 23.4 | [illegible].2 | [illegible] |
| | [illegible]-8 | 100.0 | [illegible] | 99.9 | 99.3 | 97.4 | 92.5 | 82.2 | 53.9 | 24.5 | [illegible].7 | 917 |
| | [illegible]-11 | 100.0 | [illegible] | 99.9 | 99.3 | 97.7 | 91.7 | 81.[illegible] | 54.1 | 22.3 | 79.7 | 919 |
| | 12-14 | 100.0 | 99.9 | 99.7 | 99.5 | 97.1 | 90.8 | 77.1 | 51.7 | 19.6 | 78.7 | 92[illegible] |
| | 15-17 | 100.0 | 99.6 | 99.6 | 98.9 | 97.6 | 90.4 | 78.8 | 54.8 | 2[illegible].3 | 79.2 | 921 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 96.4 | 85.3 | 60.3 | 26.6 | 82.[illegible] | 64[illegible] |
| | 21-23 | 100.0 | [illegible] | 100.0 | 1[illegible].0 | 99.7 | 97.5 | 87.5 | 62.9 | 29.2 | 82.7 | 6[illegible]9 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | TOTALS | 100.[illegible] | 99.9 | 99.9 | 99.4 | 98.[illegible] | 93.1 | 81.9 | 57.8 | 23.9 | [illegible]0.5 | 6[illegible]85 |

USAFETAC FORM 0-87-5 OL A
OL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

[illegible] CAPE NEWENHAM AFS AK (STATION NAME) 73-82 (PERIOD) FEB

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| FEB | [illegible] | 100.0 | 100.0 | 100.0 | 100.0 | 98.5 | 93.3 | 76.3 | 48.5 | 16.8 | 78.8 | 776 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.8 | 98.4 | 94.8 | 79.1 | 52.7 | 16.8 | 79.2 | 831 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 98.8 | 94.6 | 80.2 | 51.9 | 16.3 | 79.5 | 833 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.8 | 97.9 | 93.9 | 76.2 | 50.5 | 14.1 | 78.9 | 839 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 92.5 | 73.5 | 45.9 | 13.2 | 77.9 | 839 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 94.5 | 76.4 | 45.8 | 16.1 | 78.9 | 830 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 95.6 | 79.4 | 53.9 | 17.5 | 79.6 | 839 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 92.8 | 79.8 | 53.6 | 18.8 | 79.6 | 867 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.9 | 98.9 | 94.0 | 77.5 | 50.1 | 16.2 | 79.0 | 9130 |

USAFETAC FORM 0-87-5 OL A

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

# RELATIVE HUMIDITY

...00 CAPE NEWENHAM AFS AK 73-82 ...
STATION STATION NAME PERIOD

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| MAR | ...-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.9 | 98.7 | 90.5 | 67.2 | 23.0 | 80.3 | .7 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.2 | 87.6 | 64.1 | 19.5 | 80.0 | .14 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 96.9 | 87.8 | 61.1 | 17.8 | 81.9 | .15 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 97.0 | 84.2 | 59.1 | 17.9 | 81.1 | .25 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 99.7 | 99.1 | 95.7 | 83.6 | 59.1 | 21.0 | 80.4 | .23 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.7 | 99.1 | 95.8 | 85.8 | 62.4 | 21.3 | 81.6 | .27 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.9 | 99.1 | 97.9 | 85.3 | 65.8 | 25.2 | 82.0 | .22 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 91.5 | 69.9 | 29.7 | 84.8 | .14 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 97.4 | 87.1 | 63.6 | 21.5 | 81.3 | .19 |

USAFETAC FORM 0-8-75 (OL A)

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

# RELATIVE HUMIDITY

... CAPE NEWENHAM AFS AK ... 77-82 ... APR
STATION NAME PERIOD

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

| MONTH | HOURS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | ... OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| APR | 02-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.6 | 91.7 | 67.1 | 25.2 | 83.5 | 381 |
| | 05-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 92.6 | 72.6 | 23.8 | 83.8 | 378 |
| | 08-11 | 100.0 | 100.0 | 100.0 | 99.8 | 99.4 | 98.5 | 92.9 | 71.3 | 22.7 | 83.5 | 389 |
| | 11-14 | 100.0 | 100.0 | 100.0 | 99.9 | 99.2 | 97.0 | 87.2 | 65.2 | 21.9 | 82.3 | 389 |
| | 14-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 97.1 | 83.4 | 56.8 | 18.2 | 81.1 | 386 |
| | 17-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 97.0 | 85.5 | 62.7 | 19.6 | 81.9 | 381 |
| | 20-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.0 | 90.3 | 63.4 | 24.7 | 82.9 | 791 |
| | 23-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.5 | 91.5 | 66.8 | 28.7 | 83.7 | 787 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.0 | 89.4 | 65.0 | 23.1 | 82.8 | 6651 |

USAFETAC FORM 0-8745 OL A

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

STATION CAPE NEWENHAM AFS AK — STATION NAME — PERIOD 73-82 — MAY

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. 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 | 22.8 | [illegible] | [illegible] |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.8 | 91.1 | 65.8 | 24.6 | 83.4 | 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 | 918 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 99.8 | 98.8 | 93.4 | 75. | 48.6 | 16.2 | 76.6 | 91 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.7 | 99.2 | 93.7 | 76.7 | 50.5 | 18.5 | 78.4 | 868 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.7 | 98.9 | 95.5 | 76.7 | 53.9 | 19.7 | 79.8 | 877 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 97.6 | 87.2 | 62.6 | 23.3 | 82.9 | 823 |
| | TOTALS | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 96.5 | 82.6 | 57.8 | 21.3 | 81.3 | 7677 |

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

# RELATIVE HUMIDITY

...CODE  CAPE NEWENHAM AFS AK  73-82  JUN
STATION NAME  PERIOD

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| JUN | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 96.0 | 77.7 | 45.3 | 87.7 | 726 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.5 | 77.8 | 45.2 | 88.0 | 720 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.8 | 93.9 | 74.7 | 42.9 | 86.7 | 648 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.1 | 88.8 | 66.2 | 35.8 | 84.6 | 634 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.5 | 84.2 | 56.5 | 23.7 | 81.9 | 619 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.4 | 84.3 | 55.6 | 23.1 | 81.9 | 721 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 91.2 | 70.3 | 31.3 | 84.0 | 684 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 94.6 | 80.4 | 41.4 | 87.0 | 836 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 96.3 | 91.1 | 69.9 | 35.9 | 85.3 | 5761 |

...AFETAC  ...FORM ...PREVIOUS EDITION OF A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

[illegible] CAPE NEWENHAM AFS AK 73-82 JUL
STATION STATION NAME PERIOD MONTH

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUMBER OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| JUL | [illegible]-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.1 | 94.7 | 79.6 | 51.9 | 88.2 | [illegible] |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 95.8 | 82.5 | 50.9 | 88.6 | 915 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.2 | 95.5 | 81.9 | 47.7 | 88.3 | 921 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.3 | 92.1 | 71.6 | 41.1 | 86.3 | 919 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.4 | 87.8 | 61.1 | 28.6 | 83.2 | 92 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 95.9 | 84.3 | 60.6 | 29.4 | 82.6 | 884 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.7 | 99.7 | 97.6 | 90.1 | 74.6 | 41.2 | 85.8 | 876 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.4 | 94.9 | 78.1 | 46.3 | 87.7 | 68 |
| | TOTALS | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.0 | 92.0 | 73.8 | 42.0 | 86.4 | 6757 |

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

# RELATIVE HUMIDITY

7...0...  CAPE NEWENHAM AFS AK  73-8  AUG
STATION  STATION NAME  PERIOD

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| AUG | ..-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 99.7 | 96.4 | 76.9 | 43.7 | 87.6 | 659 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 96.8 | 76.3 | 46.5 | 88.2 | 913 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 95.7 | 78.6 | 48.3 | 88.1 | 921 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 93.8 | 75.6 | 41.8 | 86.9 | 919 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.8 | 90.9 | 67.2 | 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 | 85.1 | 875 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.8 | 94.6 | 74.3 | 39.8 | 86.6 | 791 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 97.2 | 79.4 | 46.5 | 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 0-87-5 OL A

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

# RELATIVE HUMIDITY

...CAPE NEWENHAM AFS AK (STATION NAME) — 73-82 (PERIOD) — SEP (MONTH)

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 96.4 | 73.5 | 33.1 | 85.8 | 87[illegible] |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 95.7 | 74.2 | 36.3 | 86.[illegible] | 89[illegible] |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 96.2 | 72.2 | 29.9 | 85.6 | 89[illegible] |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 92.4 | 64.[illegible] | 23.1 | 83.8 | 898 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.5 | 87.5 | 58.1 | 18.7 | 82.3 | 898 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.7 | 87.8 | 58.[illegible] | 20.4 | 82.7 | 89[illegible] |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 90.3 | 60.1 | 22.3 | 83.2 | 71[illegible] |
| | 21-23 | 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 | 6819 |

USAFETAC FORM 0-8[illegible] (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

7[illegible] CAPE NEWENHAM AFS AK — 73-82 — OCT

STATION NAME — PERIOD

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| OCT | [illegible] | 100.0 | [illegible] | [illegible] | [illegible] | 99.9 | 99.3 | 93.4 | 63.4 | 22.4 | [illegible] | [illegible] |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.3 | 94.6 | 65.8 | 22.9 | 83.6 | [illegible] |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 93.7 | 69.2 | 23.7 | 83.8 | [illegible] |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.8 | 99.6 | 98.7 | 93.4 | 62.6 | 22.3 | 82.7 | [illegible] |
| | 12-14 | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 97.9 | 86.9 | 57.1 | 17.3 | 81.3 | [illegible] |
| | 15-17 | 100.0 | 100.0 | 100.0 | 99.9 | 99.5 | 99.1 | 98.9 | 58.1 | 2 .8 | 82.[illegible] | [illegible]16 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 92.6 | 64.4 | 24.8 | 83.[illegible] | 740 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 93.8 | 61.9 | 25.6 | 83.4 | 79[illegible] |
| | TOTALS | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 99.1 | 91.8 | 62.8 | 22.5 | 82.9 | 6877 |

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

# RELATIVE HUMIDITY

... CAPE NEWENHAM AFS AK — STATION NAME — 73-8... — PERIOD — NOV

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | MEAN RELATIVE HUMIDITY | TOTAL NUMBER OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.9 | 92.5 | 68.4 | 27.2 | 84.1 | 479 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.1 | 92.7 | 65.2 | 25.5 | 83.8 | 676 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 93.6 | 70.3 | 23.6 | 84. | 581 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 99.5 | 94.8 | 66.9 | 19.8 | 83.3 | 85 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 91.5 | 66.9 | 23.7 | 83.2 | 48 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 91.6 | 68.9 | 25.3 | 84.2 | 789 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 93.3 | 71.4 | 29.9 | 85.0 | 730 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 93.3 | 70.8 | 29.3 | 84.5 | 744 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.3 | 92.9 | 68.6 | 25.8 | 84.0 | 5665 |

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

[illegible] CAPE NEWENHAM AFS AK 73-82 [illegible]
PLATION STATION NAME PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS EST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| DEC | 00-02 | 100.0 | 100.0 | 100.0 | 99.8 | 98.9 | 94.8 | 85.3 | 58.7 | 23.4 | 81.8 | 57 |
| | 03-05 | 100.0 | 100.0 | 99.9 | 99.9 | 99.0 | 96.5 | 87.1 | 59.1 | 24.4 | 82.2 | 570 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.8 | 98.7 | 96.3 | 87.2 | 63.1 | 24.3 | 82.3 | 570 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 98.9 | 96.2 | 85.7 | 60.3 | 23.7 | 81.6 | 566 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 96.2 | 83.6 | 58.9 | 23.3 | 81.3 | 563 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 96.2 | 84.4 | 58.3 | 22.1 | 81.3 | 797 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 98.6 | 95.9 | 84.7 | 60.2 | 25.2 | 81.7 | 656 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.6 | 98.8 | 95.1 | 84.1 | 61.3 | 24.1 | 81.7 | 679 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.9 | 98.7 | 95.9 | 85.3 | 60.2 | 23.9 | 81.7 | 5677 |

USAFETAC FORM 0-87-5 OL A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

7 [illegible] CAPE NEWENHAM AFS AK — 73-82 — ALL
STATION — STATION NAME — PERIOD — MONTH

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

| MONTH | HOURS LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| JAN | ALL | 100.0 | 99.9 | 99.9 | 99.4 | 98.2 | 93.1 | 81.9 | 57.8 | 23.9 | 80.0 | 6585 |
| FEB | | 100.0 | 100.0 | 100.0 | 99.9 | 98.9 | 94.0 | 77.6 | 50.1 | 16.2 | 79. | 613 |
| MAR | | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 97.4 | 87.0 | 63.6 | 21.6 | 82.3 | [illegible] |
| APR | | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.0 | 89.4 | 65.2 | 23.1 | 82.3 | 6651 |
| MAY | | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 96.5 | 82.6 | 57.8 | 21.3 | 81.3 | 4627 |
| 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 | 42.7 | 86.4 | 6757 |
| AUG | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.2 | 94.6 | 74.7 | 41.1 | 86.9 | 6932 |
| SEP | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 92.3 | 65.9 | 26.2 | 84.2 | 6819 |
| OCT | | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 99.1 | 91.8 | 62.8 | 22.5 | 82.9 | 5677 |
| NOV | | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.3 | 92.9 | 68.6 | 25.8 | 84. | 5665 |
| DEC | | 100.0 | 100.0 | 100.0 | 99.9 | 98.7 | 95.9 | 85.3 | 60.0 | 23.8 | 81.7 | 5677 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.9 | 99.5 | 97.5 | 88.2 | 64.2 | 27.0 | 83.1 | 73722 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# PART F PRESSURE SUMMARY

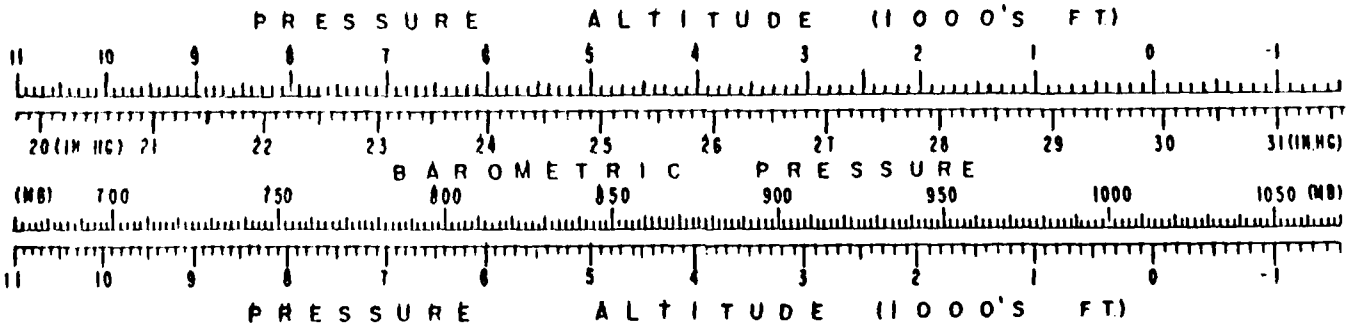
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided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

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

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

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




F

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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATION

...CAPE NEWENHAM AFS AK 73-82

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | 29.03029 | 29.02629 | 29.02429 | 29.01429 | 29.01429 | 29.02929 | 29.03129 | 29.02729 | 29.01429 | 29.00428 | 29.00228 | 29.00228 | 29.018 |
| STD DEV | .465 | .448 | .361 | .340 | .276 | .242 | .194 | .242 | .319 | .379 | .407 | .465 | .378 |
| OBS | 279 | 272 | 294 | 286 | 304 | 294 | 307 | 307 | 298 | 302 | 293 | 310 | 3514 |
| MEAN | 29.00329 | 29.01429 | 29.01329 | 29.01329 | 29.01329 | 29.02529 | 29.03029 | 29.02229 | 29.00728 | 28.99528 | 28.99528 | 28.99128 | 29.018 |
| STD DEV | .465 | .460 | .358 | .339 | .273 | .239 | .193 | .247 | .321 | .377 | .407 | .467 | .378 |
| OBS | 281 | 267 | 296 | 280 | 302 | 279 | 304 | 304 | 297 | 297 | 293 | 310 | 3510 |
| MEAN | 29.00129 | 29.01929 | 29.02029 | 29.01429 | 29.01429 | 29.02629 | 29.03129 | 29.02629 | 29.01428 | 28.99628 | 28.99528 | 28.99428 | 29.018 |
| STD DEV | .465 | .449 | .358 | .339 | .275 | .236 | .195 | .248 | .316 | .377 | .405 | .467 | .378 |
| OBS | 283 | 271 | 299 | 287 | 306 | 285 | 307 | 307 | 298 | 303 | 294 | 314 | 3561 |
| MEAN | 29.03829 | 29.03929 | 29.02929 | 29.01829 | 29.01529 | 29.03429 | 29.03229 | 29.02729 | 29.01328 | 28.99728 | 28.99728 | 29.00128 | 29.022 |
| STD DEV | .455 | .448 | .356 | .340 | .277 | .234 | .195 | .251 | .317 | .376 | .404 | .465 | .376 |
| OBS | 287 | 277 | 302 | 298 | 305 | 286 | 307 | 307 | 299 | 303 | 295 | 314 | 3608 |
| MEAN | 29.04229 | 29.04229 | 29.02729 | 29.01729 | 29.01529 | 29.03429 | 29.03429 | 29.02729 | 29.01328 | 28.99728 | 28.99628 | 29.00328 | 29.022 |
| STD DEV | .457 | .448 | .355 | .340 | .278 | .235 | .194 | .248 | .314 | .373 | .404 | .463 | .375 |
| OBS | 301 | 278 | 324 | 289 | 305 | 264 | 307 | 307 | 298 | 303 | 293 | 312 | 3584 |
| MEAN | 29.03129 | 29.03629 | 29.01429 | 29.01229 | 29.01129 | 29.02629 | 29.03529 | 29.02629 | 29.01328 | 28.99428 | 28.99328 | 28.99428 | 29.019 |
| STD DEV | .466 | .457 | .355 | .338 | .271 | .241 | .194 | .246 | .312 | .382 | .415 | .466 | .378 |
| OBS | 274 | 262 | 303 | 277 | 279 | 233 | 288 | 292 | 284 | 265 | 257 | 262 | 3272 |
| MEAN | 29.06729 | 29.02429 | 29.00529 | 29.01529 | 29.01129 | 29.02729 | 29.03629 | 29.02429 | 29.01228 | 28.99428 | 28.99728 | 29.00528 | 29.020 |
| STD DEV | .465 | .456 | .360 | .335 | .269 | .258 | .203 | .237 | .313 | .387 | .418 | .463 | .377 |
| OBS | 230 | 197 | 261 | 252 | 209 | 154 | 223 | 260 | 241 | 246 | 240 | 270 | 2693 |
| MEAN | 29.05329 | 29.03129 | 29.02129 | 29.01529 | 29.01629 | 29.03629 | 29.03229 | 29.02629 | 29.01028 | 28.99528 | 28.99629 | 29.00328 | 29.021 |
| STD DEV | .455 | .452 | .367 | .341 | .269 | .242 | .203 | .239 | .317 | .378 | .417 | .463 | .377 |
| OBS | 227 | 194 | 246 | 257 | 247 | 228 | 266 | 277 | 297 | 295 | 266 | 259 | 3159 |
| MEAN | 29.04929 | 29.02829 | 29.02029 | 29.01429 | 29.01329 | 29.03129 | 29.03129 | 29.02629 | 29.01128 | 28.99428 | 28.99328 | 28.99528 | 29.020 |
| STD DEV | .465 | .460 | .358 | .339 | .274 | .239 | .196 | .245 | .314 | .376 | .409 | .464 | .376 |
| TOTAL OBS | 2212 | 2016 | 2305 | 2216 | 2257 | 1979 | 2309 | 2351 | 2311 | 2314 | 2228 | 2223 | 26721 |

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# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-87

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | 1036.31 | 1034.11 | 1033.91 | 1027.81 | 1017.51 | 1012.61 | 1013.41 | 1011.71 | 1006.31 | 1021.61 | 1031.81 | 1031.41 | 1027.41 |
| STD DEV | 16.971 | 15.529 | 12.586 | 11.827 | 9.545 | 8.381 | 6.662 | 8.366 | 11.371 | 13.14 | 14.595 | 16.193 | 12.977 |
| NO OBS | 294 | 270 | 294 | 286 | 305 | 294 | 307 | 307 | 298 | 310 | 293 | 301 | 3515 |
| MEAN | 1036.21 | 1033.71 | 1031.61 | 1027.51 | 1017.21 | 1012.71 | 1012.91 | 1011.41 | 1005.81 | 1021.61 | 1031.71 | 1031.41 | 1027.31 |
| STD DEV | 16.441 | 15.598 | 12.623 | 11.759 | 9.462 | 8.296 | 6.681 | 8.571 | 11.761 | 13.761 | 14.101 | 16.288 | 12.955 |
| NO OBS | 301 | 267 | 294 | 282 | 302 | 275 | 304 | 302 | 297 | 287 | 293 | 309 | 3511 |
| MEAN | 1036.81 | 1033.81 | 1031.71 | 1027.81 | 1017.61 | 1012.91 | 1013.21 | 1011.51 | 1006.31 | 1021.61 | 1031.71 | 1031.51 | 1027.51 |
| STD DEV | 16.771 | 15.613 | 12.495 | 11.789 | 9.517 | 8.185 | 6.712 | 8.595 | 11.181 | 13.621 | 14.018 | 16.248 | 12.971 |
| NO OBS | 310 | 271 | 298 | 287 | 306 | 285 | 307 | 307 | 298 | 303 | 294 | 311 | 3596 |
| MEAN | 1036.81 | 1034.51 | 1032.11 | 1028.01 | 1017.81 | 1013.31 | 1013.51 | 1011.81 | 1006.31 | 1021.91 | 1032.11 | 1032.11 | 1028.11 |
| STD DEV | 16.837 | 15.589 | 12.594 | 11.801 | 9.555 | 8.141 | 6.731 | 8.621 | 10.962 | 13.735 | 13.978 | 16.191 | 12.934 |
| NO OBS | 307 | 277 | 301 | 288 | 305 | 286 | 307 | 307 | 299 | 303 | 295 | 304 | 3579 |
| MEAN | 1032.61 | 1031.31 | 1029.91 | 1025.81 | 1017.91 | 1013.31 | 1013.51 | 1011.71 | 1006.21 | 1021.61 | 1031.71 | 1031.81 | 1027.61 |
| STD DEV | 16.663 | 15.557 | 12.396 | 11.861 | 9.596 | 8.170 | 6.692 | 8.651 | 10.663 | 12.939 | 13.981 | 16.126 | 12.966 |
| NO OBS | 305 | 278 | 304 | 289 | 305 | 264 | 306 | 307 | 298 | 313 | 293 | 304 | 3552 |
| MEAN | 1030.11 | 1028.41 | 1026.51 | 1027.61 | 1017.61 | 1012.91 | 1013.21 | 1011.51 | 1006.51 | 1021.91 | 1032.21 | 1032.41 | 1027.41 |
| STD DEV | 16.271 | 15.878 | 12.411 | 11.743 | 9.395 | 8.344 | 6.672 | 8.541 | 10.470 | 13.241 | 14.375 | 16.044 | 12.930 |
| NO OBS | 279 | 262 | 303 | 277 | 279 | 233 | 287 | 292 | 284 | 269 | 257 | 281 | 3607 |
| MEAN | 1031.61 | 1029.31 | 1027.31 | 1028.11 | 1017.61 | 1012.81 | 1013.31 | 1011.51 | 1006.81 | 1020.91 | 1031.91 | 1032.21 | 1027.21 |
| STD DEV | 16.136 | 15.864 | 12.675 | 11.742 | 9.349 | 8.952 | 7.021 | 8.214 | 10.734 | 13.433 | 14.466 | 16.327 | 13.072 |
| NO OBS | 204 | 197 | 261 | 252 | 209 | 154 | 223 | 260 | 240 | 246 | 240 | 276 | 2688 |
| MEAN | 1031.41 | 1029.21 | 1027.81 | 1028.41 | 1018.21 | 1013.11 | 1013.41 | 1011.51 | 1006.11 | 1021.21 | 1031.61 | 1032.21 | 1027.31 |
| STD DEV | 15.811 | 15.737 | 12.754 | 11.866 | 9.337 | 8.424 | 7.012 | 8.244 | 10.981 | 13.137 | 14.411 | 16.090 | 13.030 |
| NO OBS | 227 | 194 | 246 | 257 | 247 | 226 | 266 | 277 | 297 | 295 | 266 | 286 | 3056 |
| MEAN | 1036.71 | 1034.11 | 1032.71 | 1027.91 | 1017.61 | 1012.91 | 1013.31 | 1011.61 | 1006.21 | 1021.41 | 1031.81 | 1032.01 | 1027.31 |
| STD DEV | 16.921 | 15.633 | 12.493 | 11.774 | 9.472 | 8.312 | 6.754 | 8.458 | 10.688 | 13.106 | 14.146 | 16.147 | 12.956 |
| NO OBS | 2214 | 2016 | 2301 | 2216 | 2258 | 1979 | 2307 | 2359 | 2311 | 2314 | 2228 | 2329 | 26774 |

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