

AD-A102 398 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
KONN-NI RANGE, OSAN, KOREA. REVISED UNIFORM SUMMARY OF SURFACE --ETC(11)  
APR 81

UNCLASSIFIED USAFETAC/DS-81/052

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1 of 3

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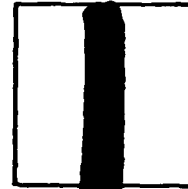
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REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

1217 APR 1981

KOON-PI NAME KO WBAN #43273  
N 37 02 E 126 45 FLD ELEV 50 FT RKSK WMO #

PARTS A-F  
FOR FROM HOURLY OBS: MAR 63 - DEC 70, JAN 73 - FEB 80  
FOR FROM DAILY OBS: MAR 63 - OCT 63, APR 69 - DEC 80  
TIME CONVERSION GMT TO LST+9

APR 24 1981

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/OS- 81/052	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- KOON-NI RANGE, OSAN, KOREA		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(S)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER (if any)
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14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 24 APR 81
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18. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
19. SUPPLEMENTARY NOTES THIS DOCUMENT SUPERSEDES THE RUSSWO DATED 24 OCT 73		
20. ABSTRACT (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 statistical summary of surface weather observations for KOON-NI RANGE, OSAN, KOREA It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables  
\* KOREA \* KOON-NI RANGE KOREA
  
20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.

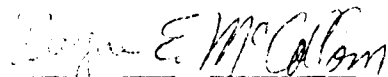
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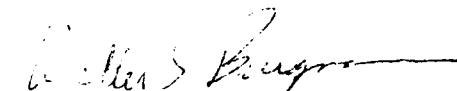
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WAYNE E. MCCULLOM, Chief  
Technical Information Section  
USAFETA/YST

FOR THE COMMANDER:

  
WALTER S. BURDICK  
AWS Scientific and Technical  
Information Officer (STINFO)

The hourly sections of this summary were produced using data for less than 24 observations per day for the period of record. The period of record and observation count per page reflect these reduced number of observations. The result is a summary biased toward those hours for which observations were available for the entire period of record. Therefore, the hourly "ALL", "TOTAL" and "DEVIATION" summaries should be disregarded or used with extreme caution. In this respect, the hourly sections are a summary of specific hours (07-17 local) only and not a true RUSSWO. Suspect pages are identified by a red stamp.

"USE WITH CAUTION  
SEE FIRST PAGE"

The daily data sections are also affected due to less than 24 hours of operation per day, plus not all days are included (closed Sat, Sun, Holidays). The sections included in the daily data are also stamped.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

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

### DAILY OBSERVATIONS

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

### DESCRIPTION OF SUMMARIES

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

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

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE **DATA NOT AVAILABLE**

### STANDARD 3-HOUR GROUPS

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

### MISSING HOUR GROUPS

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

JANUARY 00-02, 03-05, 18-20, 21-23 APRIL 00-02, 03-05, 18-20, 21-23 JULY 00-02, 03-05, 18-20, 21-23 OCTOBER 00-02, 03-05, 18-20, 21-23  
FEBRUARY " " MAY " " AUGUST " " NOVEMBER " "  
MARCH " " JUNE " " SEPTEMBER " " DECEMBER " "



STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WMO NUMBER	
43273		Koon-Ni Range Korea/OSAN		N 37 02		E 126 45		50		RKSN			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT BARD.					
1	Koon-Ni Range Korea	AF	Mar 63	Dec 72	N 37 02	E 126 45	50	40	09				
2	Same	Same	Jan 73	Nov 75	Same	Same	Same	Same	09				
3	Same	Same	Dec 75	Mar 81	Same	Same	Same	Same	10-14				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	Mar 63 to	Not available.				Air Force Gunnery Range.							
2	Dec 72	Anemometer is located on top of our recreation center approx 25-30 ft above ground lvl.											

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

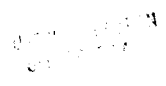
Continued on Reverse

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

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

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC



**WEATHER CONDITIONS**

4773 KRON-NI RANGE KO 69-70, 73-80 JAN  
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 OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-01												
	03-05												
	06-08		1.1		7.5		3.6	31.4	12.9			44.1	373
	09-11		1.7		7.8		9.5	19.7	28.5			48.2	556
	12-14		1.9		5.5		7.2	7.7	28.9			38.6	637
	15-17		3.6		6.7		10.1	3.7	24.1			27.9	535
	18-20												
	21-23												
TOTALS			2.1		6.9		8.9	15.6	23.6			39.2	2201

GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

41273 KUNONI WANGI KO 69-70,73-74 FEB  
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	0-00												
	03-05												
	06-08		5.5		4.3		9.2	29.9	14.4			44.3	349
	09-11		6.6		4.1		10.7	19.6	24.1		.2	43.9	617
	12-14		4.5		5.3		7.8	8.2	23.3		.5	32.0	600
	15-17		4.6		1.2		5.8	4.8	17.1		.6	22.4	500
	18-20												
	21-23												
TOTALS			5.3		5.2		8.4	15.6	19.7		.3	35.7	2065

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2

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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

4273  
STATION

KOON-NI RANGE KO  
STATION NAME

68-71, 73-79  
YEARS

MAP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAP	0-30												
	03-05												
	06-08		0.2		1.5		7.7	30.2	15.4		.3	51.9	339
	09-11		2.9		1.0		4.0	19.4	25.8		.4	45.7	691
	12-14		2.5		1.5		3.9	7.6	21.6			29.2	607
	15-17		4.2		1.7		5.2	3.2	14.5		.2	17.8	595
	18-20												
	21-23												
TOTALS			4.0		1.3		5.2	16.6	19.3		.2	30.2	2332

0  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION  
NUMBER

**WEATHER CONDITIONS**

47273  
STATION

KOON-NI RANGE KO  
STATION NAME

55-70,73-79  
YEARS

8 P:  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02												
	03-05												
	06-08		7.0		.3		7.3	25.3	16.7			41.4	399
	09-11		7.0				7.0	9.5	20.5		.7	31.0	673
	12-14		7.4		.2		7.5	3.5	13.9		.9	18.4	653
	15-17		7.1				7.1	2.1	9.7		.7	11.6	577
	18-20												
	21-23												
TOTALS			7.1		.1		7.2	10.1	14.9		.6	25.6	2502

2

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

REPORT NUMBER  
 5010-5(OL A)

**WEATHER CONDITIONS**

4773      KOON-NI RANGE KO      68-71, 73-79      MAY  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
MAY	00-02												
	03-05												
	06-08		6.9				6.9	20.1	15.5			35.6	393
	09-11		3.0				8.0	9.2	12.3			21.5	649
	12-14	.2	6.6				6.8	3.9	8.9			12.6	641
	15-17		5.7				5.7	2.4	4.4			6.8	542
	18-20												
	21-23												
TOTALS		.1	6.6				6.3	8.9	10.3			19.2	2225



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

REPORT NUMBER  
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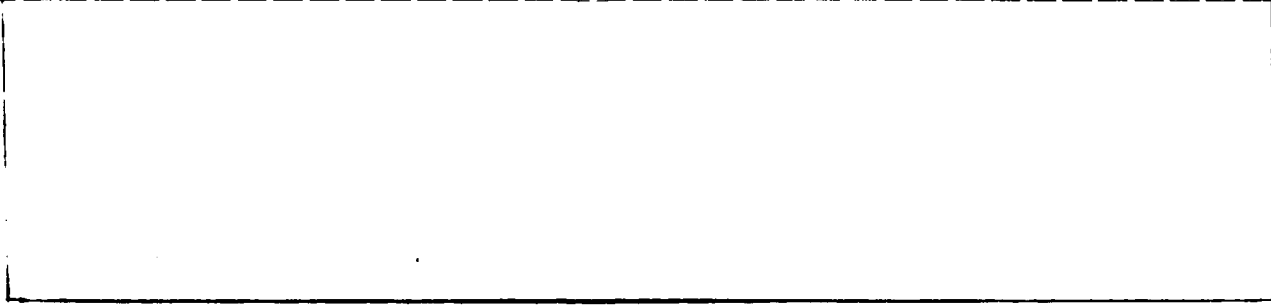
**WEATHER CONDITIONS**

40873 KTON-NI RANGE KO 65-72, 73-79 JUN  
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 OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02												
	03-05												
	06-08	.8	10.9				10.9	34.0	11.7			45.7	394
	09-11	.2	5.3				5.3	15.7	15.5			33.2	665
	12-14	.2	9.0				9.0	5.2	13.5			18.7	657
	15-17		6.0				6.0	2.8	12.1			15.0	562
	18-20												
	21-23												
TOTALS		.3	8.6				8.6	14.7	13.5			28.2	2254

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AIR WEATHER SERVICE/MAC

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SEE FIRST PAGE

**WEATHER CONDITIONS**

47073 MOON-NI RANGE RD 66-71, 73-79 JUL  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02												
	03-05												
	06-08	.3	13.0				13.0	25.6	16.6			41.2	346
	09-11	.3	13.5				13.5	11.1	17.2			25.3	622
	12-14	.5	11.8				11.8	3.3	12.4			15.7	611
	15-17		11.2				11.2	2.2	6.9			11.2	537
	18-20												
	21-23												
TOTALS		.3	12.4				12.4	10.6	13.8			24.4	2156

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

USE PREVIOUS EDITION  
 SEC. 15.2

**WEATHER CONDITIONS**

41-73      MOON-NI RANGE KO      68-70, 73-79      AUC  
 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 OBST TO VISION	TOTAL NO. OF OBS.
Aug	00-23												
	03-05												
	06-08	.2	9.7				9.7	29.8	7.7			37.2	414
	09-11	.4	9.3				9.3	13.6	12.9			26.5	69
	12-14	.8	8.1				8.0	2.8	11.8			14.4	66
	15-17	.7	7.5				7.5	.5	9.5			10.1	587
	18-20												
	21-23												
TOTALS		.5	8.6				8.6	11.6	10.5			22.1	2316

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

100-100-100-100  
 100-100

41273 KUN-NI RANGE KC 68-71, 73-79 SEP  
 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 OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02												
	03-05												
	06-08		0.7				8.7	31.2	3.0			34.7	4.1
	09-11		7.5				7.5	16.0	10.7			26.7	636
	12-14	.5	7.6				7.6	2.2	7.8			10.0	632
	15-17		6.8				6.8	.2	5.			5.2	558
	18-20												
	21-23												
TOTALS		.1	7.7				7.7	12.4	6.8			19.2	2227

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

**WEATHER CONDITIONS**

47773      KOON-NI RANGE KO      68-71, 73-79      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 OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02												
	03-05												
	06-08		3.9				3.9	33.2	7.0			41.2	440
	09-11		5.1				5.1	15.8	14.0			29.7	673
	12-14		4.1				4.1	1.1	13.9			15.0	661
	15-17	.4	3.5				3.5		7.0			7.0	560
	18-20												
	21-23												
TOTALS		.1	4.2				4.2	12.5	10.5			23.0	2342

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GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

**WEATHER CONDITIONS**

4373      KOON-NI RANGE KJ      68-72, 73-79      NOV  
STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (P.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02												
	03-05												
	06-08		3.6		1.0		4.5	30.1	0.8			35.9	419
	09-11		3.8		1.7		5.5	20.5	14.7			35.1	655
	12-14		3.6		1.9		5.5	6.6	14.6			21.1	639
	15-17		4.1		1.1		5.2	2.3	10.3			12.6	555
	18-20												
	21-23												
TOTALS			3.8		1.4		5.2	14.9	12.1			26.9	2269

USAFETAC FORM 0-10-5(DL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JULY 64

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

LINE WITH DASHES  
 SEE FIRST PAGE

41273 KJON-NI RANGE KO 68-7 , 73-79 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 OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02												
	03-05												
	06-08		4.6		3.8		8.6	31.3	12.6			43.9	346
	09-11		6.0		4.7	.2	10.7	20.8	26.9			47.7	535
	12-14		4.8		4.4	.2	9.3	5.4	30.2			35.7	589
	15-17	.2	3.5		3.8	.2	7.5	2.2	17.6			19.8	500
	18-20												
	21-23												
TOTALS		.1	4.7		4.2	.2	8.9	14.9	21.8			36.8	2120

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

USE WITH CAUTION  
 SEE FIRST PAGE

41273 KCON-NI RANGE KO 68-71,73-87 ALL  
 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 OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		2.1		6.9		8.9	15.6	23.6			39.2	2211
FEB			5.3		3.2		8.4	15.6	19.7		.3	35.7	2065
MAR			4.2		1.3		5.2	16.6	19.3		.2	36.2	2332
APR			7.1		.1		7.2	10.1	14.9		.6	25.6	2712
MAY		.1	6.8				6.8	8.9	10.3			19.2	2225
JUN		.3	8.6				8.6	14.7	13.5			26.2	2264
JUL		.3	12.4				12.4	10.6	13.8			24.4	2156
AUG		.5	8.6				8.6	11.6	13.5			22.1	2316
SEP		.1	7.7				7.7	12.4	6.6			19.2	2227
OCT		.1	4.2				4.2	12.5	10.5			23.2	2342
NOV			3.8		1.4		5.2	14.9	12.1			26.9	2268
DEC		.1	4.7		4.2	.2	8.9	14.9	21.8			36.4	2120
TOTALS		.1	6.3		1.4	.0	7.7	13.2	14.7		.1	28.0	26938



## 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.

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL METEOROLOGICAL SERVICE  
 WASHINGTON, D.C. 20541

STATION NUMBER  
 71-8

**WEATHER CONDITIONS**  
 ATMOSPHERIC PHENOMENA

STATION: WOUN-NE AAGE KC YEARS: ALL  
 STATION NAME: WOUN-NE AAGE KC MONTH: ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		11.7		20.9		34.3	41.1	34.9	.1		67.1	13
FEB			12.1		19.9		29.3	43.3	32.4			64.4	191
MAR			20.9		5.3		27.4	42.1	33.4			63.5	234
APR			24.0		.3		24.0	45.3	31.6			69.9	117
MAY		1.4	21.4				21.4	47.1	32.3			68.9	62
JUN		1.4	23.9				29.9	47.5	43.9			71.9	171
JUL		1.2	43.9				42.3	47.0	33.6			66.2	17
AUG		0.2	47.3				37.3	43.4	31.6			70.9	203
SEP		0.3	20.4				20.3	40.1	35.8			47.1	112
OCT		2.3	18.1				18.0	42.9	36.4			60.3	117
NOV		1.9	23.4		9.3		31.3	40.2	43.5			53.7	214
DEC		1.0	17.7		19.1		34.0	45.0	33.1			61.2	203
TOTALS		1.4	23.3		6.7		29.2	44.7	44.2	.1		59.1	2094

## PART B            PRECIPITATION, SNOWFALL & SNOW DEPTH

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

**B**

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

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

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

Continued on Reverse Side

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

Air Force Stations:

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

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

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

STATION NO. 1210 W5  
 STATION NAME  
 YEARS

PRECIPITATION  
 SNOWFALL

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 (FROM DAILY OBSERVATIONS)

STATION NO. 1210 W5 STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
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	6.5-10.4	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																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
FEB	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
MAR	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
APR	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
MAY	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
JUN	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
JUL	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
AUG	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
SEP	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
OCT	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
NOV	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	257	.	.	.
DEC	.	.	4.4	4.4	1.5	4	.	.	.	.	.	.	.	1.0	249	.	1.0	1.0
ANNUAL	.	.	1.0	1.2	.	.	.	.	.	.	.	.	.	1.0	3315	.		

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
FEB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
MAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
APR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
MAY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
JUN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
JUL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
AUG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
SEP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
OCT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
NOV	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
DEC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
ANNUAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			

## 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.

When the number of observations is small, the percentages are based on measurements from incomplete months.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AD WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE  
**PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)**

**SURFACE WINDS**

4273 STATION KCON-NI RANGE KO STATION NAME 69-74,73-6 YEARS JAN  
 CLASS ALL WEATHER MONTH JAN  
 HOURS (L.S.T.) 600-0600  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	4.0	1.3								5.2	7.7
NNE	2.4	5.1	2.4	.3								17.2	4.2
NE	2.1	3.3	.8									8.7	3.1
ENE	2.7	2.4	1.1	.3								8.4	4.3
E	3.2	3.2	2.7	.5	.3							9.9	5.8
ESE	5.9	5.6	.5	.5								12.8	4.2
SE	2.1	4.2	2.4	.3								9.7	5.3
SSE	.3	.2	1.3									2.4	8.6
S	.4	1.3	1.1	.3								3.5	5.7
SSW			.8									.6	8.1
SW													
WSW		.3										.3	4.1
W		.2	.3	.3								.8	3.7
WNW	.3	.2	.8	.3	.3							2.4	8.8
NW			2.1	1.1	.5	.3	.4	.3				2.1	11.1
NNW	.3	1.3	4.3	4.0	1.3	.3	.3					11.8	11.7
VARBL		.3										.3	2.7
CALM												3.7	
	1.2	32.4	24.7	4.1	2.4	.5	1.1	.3				110.1	8.2

TOTAL NUMBER OF OBSERVATIONS 110.1

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION MOON-NI RANGE W.D. STATION NAME 69-70, 77-80 YEARS JAN  
 CLASS ALL WEATHER MONTH 900-1100  
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	3.5	2.4	1.8								3.5	7.6
NNE	3.5	2.7	2.7	.3								3.5	5.7
NE	2.7	1.8	1.2	.2								5.2	4.9
ENE	1.7	1.2	1.5	.7								4.7	3.5
E	3.2	2.9	1.8	.5								6.5	5.4
ESE	2.9	5.5	2.9	.5								11.7	5.5
SE	2.6	4.7	3.8	.5								11.6	5.6
SSE	1.7	2.7	1.2	.2								5.0	5.2
S	1.2	.9	.9	.2								3.2	5.5
SSW	.3	.2	.3									1.4	5.4
SW	.1	.2	.6	.2								1.1	6.1
WSW				.2								.2	15.7
W	.5	.5	.6	.7		.7						2.0	7.8
WNW	.5	.3	.5	.9								2.1	9.0
NW	.5	.5	3.2	1.5	.8	.9	.2	.3				7.8	13.5
NNW	.5	1.7	4.1	2.7	.9	.2	.3					13.4	11.6
VARBL	1.7	.6	.3									2.6	3.6
CALM												5.5	
	23.3	29.0	28.2	12.1	1.7	1.5	.5	.3				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 856

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE  
**PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)**

**SURFACE WINDS**

42273 STATION ARON-MI RANGE KO STATION NAME 69-70, 72-74 YEARS 1960-1961 MONTH JAN  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	1.6	2.7	1.3	.3							7.8	7.3
NNE	.6	.5	.9	.5								2.5	2.9
NE	.2	.3	.3	.5								1.1	7.6
ENE	.9		1.1	.6	.2							2.8	7.7
E	.6	1.7	1.1	.8	.2							4.4	7.4
ESE	.8	3.2	1.6	.5								5.3	6.2
SE	1.1	3.5	2.4	.2								7.1	5.9
SSE	.5	2.4	1.1	.2								4.1	5.9
S	1.3	1.9	1.1		.2							4.4	5.5
SSW	.3	.9	.5	.5	.2							2.4	7.9
SW	.9	1.3	.2	.2								2.5	4.3
WSW	1.1	.3	1.1	.8								3.3	7.5
W	3.6	2.7	.9	.9	.5	.2						8.5	6.3
WNW	1.5	3.5	4.7	.9	.5	.2						11.3	7.6
NW	1.3	2.2	5.3	3.8	1.4	.3	.2	.2				14.6	1.7
NNW	1.1	1.4	4.6	2.2	.6	.2	.2					1.2	2.6
VARBL	1.7	.7	1.1									3.1	4.7
CALM												3.8	
	19.6	27.3	30.6	13.5	3.9	.8	.3	.2				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 127

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 44223 BROON-NI RANGE KD STATION NAME 69-79,75-60 YEARS  
 MONTH JA  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.1	1.3	1.5	.6							5.9	7.8
NNE	.9	.9	.6	.2								2.5	5.1
NE	.4		.6	.2								1.1	3.7
ENE	.4	.2	.9	.4								1.9	3.7
E	.7	.9	.6	.4								2.6	6.7
ESE	.7	.6	.7	.6								2.6	7.3
SE	.6	2.5	.9	.2								4.5	5.3
SSE	.7	.7	.2	.2								1.9	4.7
S	1.3	1.3	.7	.2								3.6	5.1
SSW	.6	.4	1.5	.7	.4							3.6	9.1
SW	.7	.6	1.3									2.6	5.9
WSW	.6	.9	1.1	.4								3.0	6.5
W	3.2	2.0	2.8	2.1	.6							12.3	7.3
WNW	1.7	3.4	7.7	3.2		.2						10.1	6.3
NW	2.1	3.2	4.9	4.9	1.3	.9	.2					17.4	10.5
NNW	1.7	3.5	4.9	3.7								13.3	6.3
VARBL	1.7	.2	.2									2.1	2.9
CALM												2.1	
	28.2	24.1	37.8	18.7	2.9	1.1	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 531

GLOBAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFAC

USE WITH CAUTION  
 REVERSE PAGE

# SURFACE WINDS

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

STATION 40033 KOON-NI RANGE KO STATION NAME 64-7413-11 YEARS JAN  
 CLASS ALL WEATHER MONTH JAN  
 CONDITION \_\_\_\_\_ HOURS (L.S.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	2.5	1.5	.2	.1						5.0	7.5
NNE	1.8	1.5	1.6	.3								1.6	2.4
NE	1.1	1.7	.7	.2								2.3	3.0
ENE	1.3	.3	1.2	.4	.2							3.4	3.7
E	1.9	2.1	1.5	.5	.1	.2						6.1	5.4
ESE	2.3	3.0	1.6	.5								8.2	5.4
SE	1.5	3.9	2.5	.3								3.2	5.6
SSE	.9	1.6	1.2	.1								3.5	2.5
S	1.2	1.4	1.2	.1	.2							3.7	5.4
SSW	.3	.6	.7	.3	.1							2.1	7.9
SW	.5	.5	.5	.1								1.7	2.6
WSW	.3	.4	.6	.4								1.6	7.3
W	1.2	1.9	1.2	.9	.3	.1						4.3	6.8
WNW	1.2	2.1	3.5	1.4	.7	.1						8.7	6.1
NW	1.8	1.5	4.8	2.9	1.2	.6	.3	.2				11.6	11.6
NNW	.9	1.9	4.5	3.0	.7	.1	.2					11.3	12.0
VARBL	1.4	.4	.5									2.2	3.9
CALM												4.5	
	21.1	27.9	28.9	13.0	2.7	1.0	.5	.2				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 201

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 U.S. WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 400003 KOONENI RANGE W2 STATION NAME 63-70,71-11 YEARS 1950-1950 MONTH 1950-1950  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.0	5.2	3.2								11.2	3.6
NNE	1.4	1.1	1.4	.6								4.6	3.1
NE	1.1	3.2	.6									4.9	4.5
ENE	2.2	1.1	1.1	.0								5.2	5.7
E	3.4	6.6	1.1	.6								11.8	4.9
ESE	3.7	5.5	3.2									12.4	5.5
SE	2.9	3.4	2.5									8.8	4.4
SSE	2.2	2.6	.6									5.2	4.1
S	.2	1.4	.3									2.6	4.6
SSW		.3	.6	.3								1.1	3.3
SW		.3	.6	.6								1.4	3.2
WSW		.6										.6	4.5
W		.6	.6	.3								1.4	3.2
WNW	.6	.6	.2	1.1		.3						3.4	10.6
NW	.2	.6	3.2	5.2	.6							9.8	11.7
NNW	.6	1.4	3.2	3.7	1.1							10.1	10.5
VARBL													
CALM												5.0	
	19.8	31.3	24.4	16.4	1.7	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 348

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

FORM 0-8-5  
SERIAL 0-8-5

# SURFACE WINDS

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

STATION 40-73 ALON-NI RANGE WJ STATION NAME 69-73,77-80 YEARS 1990-1990 MONTH ALL

CLASS ALL WEATHER

CONDITION 1990-1990  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.3	1.9	2.4		.2						7.1	5.9
NNE	1.5	1.3	.4	.3								5.9	5.0
NE	.8	1.3	.7	.2								2.1	4.2
ENE	.8	2.3	1.3	.6	.2							5.2	6.6
E	2.4	3.2	2.6	1.6	.2							12.7	6.6
ESE	2.6	5.3	2.1	.2								10.2	5.1
SE	2.6	4.7	4.1									11.2	5.3
SSE	.6	2.1	1.3	.2								4.4	5.6
S	.4	2.3	1.5									4.1	5.0
SSW	.5	.6	.8	.2								2.3	5.9
SW	.2	.2	1.0	1.0								2.3	3.2
WSW	.2	.5	.3	.2	.3							1.6	5.1
W	.2	.9	1.1	.2								2.6	5.9
WNW	.5	.5	1.3	1.3	.6							4.2	11.6
NW	1.2	.5	4.2	3.1	1.2							9.7	10.6
NNW	1.3	1.9	5.8	3.4	.6							13.1	9.4
VARBL	.8	.3	1.3									2.4	5.8
CALM												1.8	
	13.5	31.6	31.1	14.9	2.9	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

USE INFORMATION  
ON REVERSE

**SURFACE WINDS**

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

STATION 6273 ALON-NI RANGE MO STATION NAME 62-73.73-11 YEARS 1950-1956 MONTH 12  
 CLASS ALL WEATHER HOURS (L.S.T.) 1456  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	1.3	.2								1.3	2.6
NNE	.5	.2	.7									1.3	5.1
NE	.2	.2	.2									.5	2.7
ENE	.5	.8	1.3	.2								2.8	8.3
E	1.3	1.5	2.0	1.2	.5							6.5	14.0
ESE	.3	1.3	.7	.2								4.7	5.7
SE	1.0	3.5	2.5	.3								7.7	5.9
SSE	.7	1.5	.3									2.5	4.2
S	2.7	1.8		.3								4.8	3.9
SSW	.7	.3		.3								1.2	5.4
SW		.8	1.7	1.0	.2							3.7	9.2
WSW	.2	1.2	1.8	.5	.3	.2						4.5	11.9
W	1.7	3.3	3.3	2.3	.2	.2						12.8	7.6
WNW	.3	2.2	5.7	6.3	.7							15.7	11.1
NW	.3	3.2	5.5	5.3	.5							14.8	9.7
NNW	1.1	1.3	4.0	3.2	.3							10.3	7.7
VARBL	.8	.3	1.2	.2								2.5	1.1
CALM												1.2	
	14.7	26.7	32.5	21.7	3.1	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 620



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE ZRAC

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

**SURFACE WINDS**

STATION 0001-NI RANGE KS STATION NAME 0001-NI RANGE KS YEARS 69-70, 71-72 MONTH 12  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4	.2								.8	1.0
NNE		.2	.2									1.4	7.0
NE	.2	.4	.2									.8	5.0
ENE	.4	.4	.2	.4								2.2	7.0
E	1.2	2.4	2.2	.6	.4							6.0	7.0
ESE	.4	1.5	1.2	.4								3.5	6.5
SE	.4	.5	.2	.6								1.7	6.5
SSE	.4	1.2	.2									1.8	4.0
S	.4	.4		.2								1.0	5.0
SSW			.4	1.6								2.0	12.0
SW	.2	.4	.6	1.6								2.4	8.0
WSW	.2	.6	.2	1.4	.2	.4						4.2	11.1
W	.2	2.3	5.6	7.4	.4							12.0	10.7
WNW	.4	.2	2.6	17.0	.3							20.0	14.3
NW	.2	2.5	0.9	5.9	1.2							17.4	10.7
NNW	.2	2.2	2.4	1.6	.6							3.6	8.4
VARBL	1.4	.2	.6									2.2	3.0
CALM												.0	
	10.2	24.2	33.0	27.8	3.6	.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 600

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIGURE 1  
**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)**

**SURFACE WINDS**

STATION AWON-NO RANGE MD STATION NAME AWON-NO RANGE MD YEARS 62-70, 72-80 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	1.9	1.4		.1						2.5	3.2
NNE	.8	.7	.6	.2								2.2	3.6
NE	.5	1.2	.3	.1								2.1	4.7
ENE	.2	1.2	1.2	.5	.1							2.2	6.4
E	2.2	3.2	2.2	1.1	.3							2.7	5.7
ESE	1.6	3.2	1.6	.2								2.4	2.4
SE	1.6	3.1	2.4	.2								2.5	3.4
SSE	.9	1.7	.6	.2								2.3	4.6
S	1.7	1.5	.7	.1								1.3	4.5
SSW	.4	.3	.4	.6								1.7	3.1
SW	.2	.4	1.2	1.1	.2							2.6	9.2
WSW	.4	.7	.9	.6	.2	.1						2.2	3.2
W	.2	1.9	2.7	1.6	.1	.2						2.3	7.4
WNW	.6	2.2	4.5	4.8	.6	.2						13.4	3.6
NW	.2	1.8	4.8	4.7	.8							13.1	10.1
NNW	1.2	1.7	4.3	3.0	.8							12.7	9.4
VARBL	.2	.2	.9	.2								2.0	2.4
CALM												2.1	
	15.6	28.0	10.8	20.2	2.9	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2,657

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

USE WITH INSTRUCTIONS  
 SURFACE WINDS  
**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)**

**SURFACE WINDS**

STATION WON-N1 RANGE KD STATION NAME WON-N1 RANGE KD YEARS 67-70, 73-79 MONTH NA  
 CLASS ALL WEATHER HOURS (L.S.T.) 6 00-23 00  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	2.1
NNE	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	2.1
NE	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.4
ENE	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.6
E	4.9	3.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	12.0	5.3
ESE	7.7	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.7	3.5
SE	3.1	4.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.3
SSE	2.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.1
S	1.0	2.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.3
SSW	1.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	2.6
SW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.6
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3
W	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	3.4	8.6
WNW	.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	4.6	12.7
NW	.0	1.0	1.0	2.6	.0	.0	.0	.0	.0	.0	.0	3.0	7.3
NNW	.0	1.0	3.1	2.6	1.0	.0	.0	.0	.0	.0	.0	3.0	11.0
VARBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.3
CALM												4.1	
	32.9	29.0	20.3	12.0	3.1	.0	.0	.0	.0	.0	.0	100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 389

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/AMAC

USE WITH CAUTION  
 SEE INSTRUCTIONS  
**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)**

**SURFACE WINDS**

STATION WON-MI RANGE RD STATION NAME WON-MI RANGE RD YEARS 68-70, 72-79 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.5	.7	.4							4.4	7.6
NNE	.7	1.2	.4									7.2	4.5
NE	.4	.3	.7	.6								2.1	7.9
ENE	.7	1.2	.4	.4	.4							3.5	7.4
E	.9	2.2	2.5	1.3	.1							3.1	7.5
ESE	1.3	5.6	1.9	.3								9.1	2.3
SE	1.2	5.4	2.2	.4								11.3	5.2
SSE	1.3	2.6	1.0									2.0	4.5
S	2.1	2.6	.4	.1								5.3	4.4
SSW	.0	.2	.4	.4	.1							2.5	7.1
SW	.2	1.3	.7									3.9	5.1
WSW	1.2	.3	1.0	.3								3.2	5.8
W	1.2	2.2	2.6	1.2	.4	.1	.1					7.9	6.6
WNW	1.2	2.5	2.5	1.8	.7	.4						4.1	9.3
NW	1.0	.7	3.4	2.4	.5	.3						4.4	10.2
NNW	.1	1.1	2.8	2.5	.3	.1						7.9	10.1
VARBL	.2	.0			.3							2.4	4.4
CALM												2.3	
	2.7	32.6	26.0	13.7	3.5	1.0	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 681

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 4373 STATION NAME CON-NI RANGE KO YEARS 65-71, 73-79 MONTH YR  
 CLASS ALL WEATHER HOURS (L.S.T.) 120-140  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.1	.4	.1							1.2	1.21
NNE	.6	.4										1.0	3.3
NE	.3	.4	.1	.1	.1							1.2	7.1
ENE	.4	.6	.5	.4	.2							2.4	8.6
E	.2	.6	2.4	1.2	.1							4.5	8.0
ESE	.4	2.4	2.1	.6	.1							5.7	8.7
SE	.7	1.9	.9	.4								4.2	6.2
SSE	.3	1.3	.6									2.7	2.4
S	1.5	2.1	.6	.1								4.3	4.4
SSW	.7	1.1	1.6	.4		.1						4.2	7.4
SW	1.2	.6	.7	.3	.3							3.1	7.2
WSW	1.2	1.6	.6	.4								3.9	5.6
W	1.5	3.2	5.7	3.6	.6	.3		.3				15.4	9.5
WNW	1.2	6.9	8.5	6.9	1.2	.3	.1					25.2	9.3
NW	1.7	4.2	3.1	2.7	1.2	.1						12.6	8.7
NNW	.4	1.7	1.6	.6	.4							4.2	8.5
VARBL	1.5	.1	.1	.3	.1	.1						2.2	5.6
CALM												1.0	
	13.5	30.1	29.7	18.9	4.5	1.0	.1	.3				125.0	6.7

TOTAL NUMBER OF OBSERVATIONS 467

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION W001-NI RANG K2 STATION NAME W001-NI RANG K2 YEARS 71-72, 73-74 MONTH JA  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	.7	.2	.7							1.2	3.0
NNE	.7	.7	.5									.8	3.4
NE	.2		.5	.2								.8	5.6
ENE		.7	.7	.7								1.5	9.1
E	.7	.7	.5	.9								2.7	7.6
ESE	.7	.5	.2	.7								1.2	7.3
SE	.5	.7	.8	.3								1.7	6.2
SSE		.7	.7	.2								1.7	7.4
S	1.2	.7	.7	.2	.7							1.8	5.8
SSW		.7	.5	.5								1.3	8.8
SW			1.7	.5	.2							2.4	10.2
WSW	.5		1.2	1.2				.3				3.5	12.0
W	.5	4.7	3.1	.4	.7	1.2						12.8	9.6
WNW	1.7	3.1	1.7	.2	1.3	.3						36.6	9.3
NW	1.2	1.2	5.2	1.2	.3							14.5	8.7
NNW	.7	1.2	.7	.7	.7							5.4	7.3
VARBL				.2	.7							.8	18.2
CALM												1.3	
	7.6	26.3	40.8	23.9	3.7	1.5		.3				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 595

FEDERAL BUREAU OF SURVEY  
 NATIONAL CENTER FOR ENVIRONMENTAL DATA  
 NATIONAL WEATHER SERVICE

U.S. DEPARTMENT OF COMMERCE  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION WYOMING RANGE KO STATION NAME WYOMING RANGE KO YEARS 68-70, 77-79 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.4	.0	.6	.0	.0						2.7	6.7
NNE	.7	.7	.5									1.9	4.6
NE	.5	.7	.5	.3	.0							2.0	6.4
ENE	.7	.9	.6	.4	.0							2.3	7.2
E	1.2	1.7	2.2	1.2	.1							3.4	7.1
ESE	1.0	3.1	1.3	.3								5.7	5.2
SE	1.9	3.2	1.4	.3								5.9	5.2
SSE	.9	1.9	.7	.0								3.6	5.1
S	1.6	1.9	.5	.1								4.1	4.7
SSW	.3	.9	.9	.4	.0	.0						3.1	6.3
SW	.7	.4	.9	.2	.1							2.7	6.0
WSW	.8	.3	.9	.6				.1				3.1	7.7
W	.3	3.2	4.7	2.9	.4	.4	.0	.1				12.7	9.3
WNW	1.2	4.3	7.9	5.1	1.1	.3	.0					20.0	9.4
NW	1.1	7.7	5.4	3.7	.8	.1						11.1	9.1
NNW	.4	1.2	2.6	1.5	.4	.1						4.3	9.4
VARBL	1.2	.3	.0	.1	.3	.0						2.0	0.1
CALM												2.2	
	17.3	25.3	23.9	17.2	3.8	1.1	.1	.2				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 233

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

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

STATION W. ON-SI. BANG. (K) STATION NAME W. ON-SI. BANG. (K) YEAR 62-7, 73-74 MONTH APR  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	.5									3.2	4.7
NNE	.7	.7	.5									1.9	3.2
NE	3.2	.3	.5	.3								4.3	3.6
ENE	3.2	2.3	.5									6.0	3.7
E	4.3	4.5	2.3	.5								12.6	5.0
ESE	3.2	7.3	1.3	.5								15.3	4.5
SE	4.3	3.2	1.5	.7								9.7	4.6
SSE	2.3	2.9	1.0									6.2	4.6
S	1.3	1.8	1.3	.3								4.7	3.6
SSW	1.0	.8	1.5	1.0								4.3	7.4
SW	1.0		.8	.5	.7							2.9	7.8
WSW	1.7	2.7	1.8	.3								5.3	5.5
W	.5	1.3	.5	.5		.3						3.5	7.5
WNW		1.3	1.3	.8	1.7		.7					4.0	11.2
NW	.3	1.2	1.5	1.5	.5							5.5	9.0
NNW	.4	.5	.5	.5								1.6	6.0
VARBL	3.2	.9										3.3	2.5
CALM												9.0	
	30.6	34.1	17.3	6.8	1.8	.3	.3					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 399



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

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 73 MOON-NI RANGE RD STATION NAME 68-70,73-79 YEARS  
 CLASS ALL WEATHER MONTH APR  
 HOURS (L.S.T.) 1959-1960  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	1.3	.4								2.1	7.1
NNE	1.1	.6	.6									2.2	4.5
NE	.3	.6	.7	.1								1.8	5.8
ENE	.3	.7	1.0	.6								2.7	8.1
E	1.6	3.5	3.0	1.5								9.7	6.8
ESE	1.8	4.8	4.2	.3	.1							11.1	6.1
SE	1.6	5.1	2.1	.7								9.5	5.8
SSE	1.2	3.3	1.0									5.5	4.9
S	2.5	2.5	1.6	.6								7.3	5.7
SSW	1.6	1.3	1.3	.7	.4							5.5	7.1
SW	.6	2.4	1.3	.9	.1							5.3	7.1
WSW	1.2	1.8	1.2	.4	.1							5.5	5.9
W	2.2	3.0	2.4	1.2	1.3	.1						10.3	6.0
WNW	1.5	2.1	1.5	1.0	1.3	.3						7.7	9.4
NW	.7	1.2	.3	.4								2.7	6.3
NNW	.4	.7	.7									1.9	5.7
VARBL	2.5	1.0		.1								3.7	3.0
CALM												4.5	
	22.7	35.2	24.4	9.2	3.6	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 673

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

4273 STATION MON-NI RANGE KO STATION NAME 68-7073-79 YEARS AE MONTH 12-1967  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	.5	.3	1.1	.3								.5	4.3
NNE	.2			.3								.2	1.1
NE	.2	.4	.7	.2	.7							1.4	2.6
ENE			.2	1.1								.2	1.5
E	.6	1.2	2.1	1.7	.7							2.0	4.1
ESE	.5	.5	1.5	.8		.7						3.5	3.1
SE	1.1	1.9	1.2	.6								4.7	6.2
SSE	.4	2.2	.3	.2								4.4	2.4
S	1.1	2.5	.3	.5	.7	.7						4.7	6.4
SSW	1.1	.6	1.2	.5	.6							4.0	4.5
SW	.6	1.4	2.5	2.5	.7	.7						7.4	9.4
WSW	.2	1.2	2.6	.8	.7							5.5	8.1
W	1.1	3.4	7.5	4.3	1.7	.6						21.1	9.3
WNW	1.3	4.9	2.2	2.9	.8	.6						16.2	8.7
NW	.8	2.9	2.3	.2								6.0	6.2
NNW	1.1	1.2	2.2	.2								4.4	6.0
VARBL	1.5	1.1	.2									3.1	3.4
CALM												2.3	
	13.3	30.5	31.2	16.7	4.1	1.8						130.0	7.9

TOTAL NUMBER OF OBSERVATIONS 653

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

UNIT: METRIC (KNOTS)  
 SEE TOP PAGE

# SURFACE WINDS

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

4-23 STATION ARON-NI RANGE KS STATION NAME 68-70, 77-79 YEARS MONTH APR  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.0	.7	.5	.2							2.6	7.2
NNE	.3		.2									.5	2.0
NE	.7	.3	.5		.5							1.7	9.4
ENE	.3	.5	.7	.2	.2							1.7	7.8
E	.7	.2	2.3	.9	.2							3.6	9.2
ESE	.5	.3	.3	.5								1.7	6.6
SE	.5	1.0	.7									2.3	5.3
SSE		.5	.2	.5								1.2	8.3
S	.2	.7	.3	.2	.2	.3						1.9	11.0
SSW	.3	.7	1.4	.9	.9							4.2	10.2
SW	.3	.3	2.2	2.4								5.9	10.0
WSW	.5	.3	4.5	1.4	.3							7.1	9.4
W	.7	3.1	5.8	7.1	2.6							22.0	10.7
WNW	1.6	5.2	13.9	3.1	.3	.3						21.5	5.4
NW	1.0	4.2	7.5	1.0								13.7	7.4
NNW	.5	1.7	1.9									4.2	5.5
VARBL	1.2	.5	1.0									2.8	4.9
CALM												1.2	
	8.8	20.8	44.4	18.7	5.4	.7						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 577

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 00023 KOON-NI RANGE RD STATION NAME 69-70, 75-79 YEARS MONTH APR  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2	.0	.3	.0	.0						1.1	6.9
NNE	.5	.7	.3	.1								1.1	5.6
NE	.7	.6	.6	.1	.0							2.2	6.4
ENE	.7	.7	.8	.6	.0							2.3	7.1
E	1.4	2.2	2.5	1.2	.1							7.5	7.1
ESE	1.4	3.1	2.0	.5	.0	.0						7.1	5.9
SE	1.6	2.9	1.4	.4								6.3	5.5
SSE	1.0	2.3	.7	.2								4.2	5.3
S	1.3	2.0	.9	.4	.1	.1						4.7	6.4
SSW	1.0	.9	1.3	.7	.5							4.5	6.2
SW	.6	1.2	1.2	1.7	.2	.0						5.6	6.8
WSW	1.0	1.5	2.5	.7	.0							5.9	7.5
W	1.1	3.8	5.0	3.4	1.5	.3						15.1	9.5
WNW	1.3	3.6	4.9	2.0	.9	.3						17.1	8.8
NW	.7	2.5	2.9	.7	.1							6.9	7.2
NNW	.7	1.1	1.3	.1								3.2	6.1
VARBL	2.1	.9	.3	.0								3.3	3.5
CALM													
	17.9	30.1	37.1	13.3	3.9	.9	.0					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2300

CLIMATE CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

1. WITH EXPLANATION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 4-73 KON-NI-DANGI KC STATION NAME 65-72,73-79 YEARS  
 MONTH MAY  
 HOURS (L.S.T.) 180-000  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	.5	1.5									2.5	2.5
NNE	.3	.3	.2									1.0	4.0
NE	1.0	.5	1.0	.3								2.1	5.1
ENE	1.7	1.3	.5	.5								3.6	5.7
E	3.1	4.1	1.3	.5								3.9	4.7
ESE	4.3	3.2	1.3									6.9	4.1
SE	4.3	6.6	1.0									12.0	4.0
SSE	1.5	3.0	.5									5.4	4.4
S	2.5	3.1	1.0									6.9	4.3
SSW	1.0	2.5	1.5									5.4	5.1
SW	2.0	4.1	.5									6.6	4.1
WSW	1.3	1.5	1.3	.8								3.6	5.0
W	1.7	2.3	1.0	1.3								5.9	5.4
WNW	.5	1.5	1.5	.3								4.1	5.0
NW	.3	.5	.3									1.0	5.3
NNW	.5	.3	.5									1.5	4.0
VARBL	2.0	.3										2.3	2.3
CALM												12.5	
	31.3	37.4	15.3	3.6								117.0	4.2

TOTAL NUMBER OF OBSERVATIONS 393

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

UNITED STATES  
 SECRETARIAT

# SURFACE WINDS

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

STATION 600-NI RANGE RD STATION NAME 600-NI RANGE RD YEARS 6--7, 77-79 MONTH 4, 5  
 CLASS ALL WEATHER HOURS (L.S.T.) 900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.3								1.0	3.2
NNE	.3	.5	.2	.3								1.2	3.4
NE	.6	.5	.8	.5	.2							2.5	3.3
ENE	.6	.9	.5	.6								2.6	3.8
E	.5	2.5	1.4	.8								3.5	4.4
ESE	1.2	4.0	2.5	.5								3.2	5.9
SE	2.5	4.2	2.0									3.1	5.6
SSE	2.2	4.5	2.7									3.3	4.7
S	4.2	2.8	1.5	.2								5.6	4.4
SSW	1.2	2.5	.8	.2	.2							5.1	5.2
SW	1.2	2.3	2.2	.5								5.9	5.4
WSW	2.3	2.5	2.6	.5								3.0	5.5
W	4.2	4.8	2.8	.8								12.3	3.5
WNW	1.7	2.9	2.0	.3	.2							7.1	5.7
NW	1.2	1.1	.6	.2								3.1	5.0
NNW	.5	.4	.5	.2								1.5	3.5
VARBL	2.0	1.2										2.2	3.0
CALM												3.2	
	28.2	38.8	21.7	5.5	.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 649

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

STATION NUMBER  
 00-70177-77

# SURFACE WINDS

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

STATION NAME: WON-III RANGE KO YEARS: 60-70, 77-77

CLASS: ALL WEATHER MONTH: 12-1957

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	.9	.5	.5	.2							2.8	7.1
NNE	.5	.7	.5	.5								1.4	7.7
NE		1.1	.7	.5	.7							2.0	8.4
ENE		.5	.7	.6	.7	.7						1.7	12.6
E	.7	1.0	.9	.3								2.7	8.8
ESE	1.1	.5	.9	.5								2.1	8.4
SE	.5	1.7	1.1	.6								3.9	6.3
SSE	.5	1.1	.7									2.7	4.4
S	.3	2.5	.6	.2								5.8	4.4
SSW	1.4	1.7	.8	.2								4.0	4.9
SW	.8	1.2	2.2	.3	.5							4.0	7.4
WSW	.6	2.3	2.5	.5	.7							5.3	5.8
W	1.8	5.5	2.2	3.6	.7							21.3	5.7
WNW	1.9	7.5	10.8	.9	.7							21.2	7.1
NW	1.1	2.5	2.8	.5								6.9	6.1
NNW	.5	1.2	1.2	.2								3.1	6.2
VARBL	.7	1.1	.7									4.1	3.3
CALM												1.7	
	18.6	33.2	35.1	9.7	1.6	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 641

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION WON-NI LARGO KD STATION NAME WON-NI LARGO KD YEARS 67-70, 73-79 DAY 15 MONTH 17  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7										.7	4.7
NNE	.4	.7	.7	.4								1.7	7.8
NE	.4	.7		.2								1.5	4.7
ENE			.2	.7	.2							1.1	14.2
E		.1	.4	.2								.7	8.5
ESE		.2	.2	.2								.6	8.5
SE	.2	.2	.4	.2								.9	6.6
SSE		.7	.2									.9	5.5
S	.4	1.1	.9									2.4	9.5
SSW	.2	.7	1.7	.7								3.3	8.1
SW		1.5	2.2	.4	.2							4.2	8.2
WSW	.2	1.5	1.3	.7		.2						3.9	8.2
W	1.1	3.2	13.7	4.3	.4	.2						23.8	8.9
WNW	1.7	7.4	15.1	4.4	.2							29.8	8.9
NW	.6	5.2	9.4	.6								15.7	7.2
NNW	1.3	3.2	2.2	.2								6.5	5.7
VARBL	1.7	.4	.2									2.2	3.1
CALM												.9	
	8.3	27.5	48.5	13.7	.9	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 242



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

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 034-74 STATION NAME ALL WEATHER YEARS 60-70 MONTH MAY  
 CLASS ALL HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	4.0
NNE	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	1.5	5.7
NE	.3	.3	.4	.4	.1	.0	.0	.0	.0	.0	.0	2.5	7.4
ENE	.4	.3	.4	.6	.1	.0	.0	.0	.0	.0	.0	1.8	6.7
E	.2	1.1	1.1	.4	.0	.0	.0	.0	.0	.0	.0	4.1	5.9
ESE	1.4	2.2	1.3	.3	.0	.0	.0	.0	.0	.0	.0	5.2	5.5
SE	1.7	3.1	1.2	.2	.0	.0	.0	.0	.0	.0	.0	6.1	5.2
SSE	1.1	2.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	5.3	4.6
S	2.5	2.3	1.1	.1	.0	.0	.0	.0	.0	.0	.0	6.0	4.5
SSW	1.2	1.9	1.1	.3	.1	.0	.0	.0	.0	.0	.0	4.5	5.6
SW	1.1	2.1	1.6	.3	.2	.0	.0	.0	.0	.0	.0	5.3	5.0
WSW	1.3	2.1	2.2	.6	.2	.0	.0	.0	.0	.0	.0	5.7	5.2
W	.2	4.3	7.0	2.7	.1	.0	.0	.0	.0	.0	.0	16.2	7.7
WNW	1.6	3.1	7.6	1.5	.1	.0	.0	.0	.0	.0	.0	15.2	7.0
NW	.9	2.4	3.3	.3	.0	.0	.0	.0	.0	.0	.0	6.9	6.6
NNW	.7	1.2	1.1	.1	.0	.0	.0	.0	.0	.0	.0	3.2	5.7
VARBL	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.1
CALM												4.4	
	11.1	34.2	31.0	6.4	.3	.1	.0	.0	.0	.0	.0	101.1	6.1

TOTAL NUMBER OF OBSERVATIONS 1225

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

4-73 STATION KCON-NI RANGE KO STATION NAME 61-71,73-79 YEARS        MONTH         
 CLASS ALL WEATHER HOURS (L.S.T.) 600-80  
 CONDITION       

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.2										2.0	3.1
NNE	.5	1.0	.3									1.8	4.4
NE	.5	.8	.3									1.5	4.3
ENE	.9	.3	.8	.3								2.5	6.2
E	3.6	4.1	2.8	.3								10.7	5.4
ESE	4.5	5.1	1.2	.5	.3							13.6	4.9
SE	6.1	3.3	2.9									12.7	4.3
SSE	4.1	1.8	1.5									7.4	4.7
S	2.5	3.6	1.7	.5								7.6	4.6
SSW	3.3	2.0	.3	.3								5.9	3.6
SW	1.3	2.8	.5									4.8	4.3
WSW	1.8	1.7	.3	.3								3.3	4.3
W	1.6	3.3	1.5		.2							7.1	5.2
WNW	1.0	1.3	.8	.5								3.6	6.1
NW	1.3											1.3	2.4
NNW	1.3	.2	.3									1.3	3.7
VARBL	4.3	.3										4.6	2.1
CALM												9.4	
	40.5	32.6	14.5	2.5	.5							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 493

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAG

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

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

STATION WON-NI RANGE KW STATION NAME W-7J, 77-79 YEARS 1900-1900 MONTH 1900-1900  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.7										.3	4.7
NNE	1.1	.6	.2									1.9	3.3
NE	.2	1.1	.3	.3								1.8	6.9
ENE	.3	.7	.9	.6								2.6	7.5
E	.5	3.7	2.1	.9	.2	.1						6.8	7.8
ESE	1.2	2.9	1.7	1.1								6.8	6.7
SE	2.4	5.3	2.4	.9								11.0	5.8
SSE	2.7	4.4	1.4	.5								11.0	5.1
S	5.7	3.2	1.8	.3								10.7	4.6
SSW	2.1	1.2	.6	.2								4.1	4.3
SW	1.5	2.1	.5	.2								4.4	4.3
WSW	1.3	1.4	.3	.3								5.7	3.8
W	4.7	4.1	2.2	.5								12.0	3.8
WNW	2.9	2.4	.6									5.9	3.9
NW	1.4	2.1	.5									3.9	4.2
NNW	1.4	.2	.3									2.6	3.6
VARBL	4.7	1.1										5.7	2.0
CALM												5.7	
	35.3	36.4	16.2	7.9	.2	.3						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXERCISE CAUTION  
 SEE FIRST PAGE  
**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)**

**SURFACE WINDS**

STATION 40-73 MOON-NI RANGE KO STATION NAME 63-70, 71-79 YEARS JUL MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1										1.2	4.3
NNE	.2		.5									.5	7.0
NE	.2	.5	.2									.5	4.4
ENE	.2	.3	.2	.3	.1							1.1	2.7
E	.2	1.2	1.4	.9	.3							4.7	6.0
ESE	.6	2.2	2.3	.8								5.6	7.4
SE	.2	.5	1.5	.2	.1							2.7	6.9
SSE	1.1	2.6	1.9	.3								5.5	5.9
S	2.7	2.9	.9									4.5	4.2
SSW	1.1	1.5	1.5	.6								4.7	6.6
SW	.2	1.5	.8	.2								3.2	5.3
WSW	1.7	2.9	2.1	.3								7.5	2.4
W	2.7	0.7	4.1	1.1								14.5	0.1
WNW	4.1	7.2	5.5	1.1								17.7	5.8
NW	2.4	6.4	4.7	.5								13.5	5.7
NNW	.5	1.8	1.2									3.7	5.0
VARBL	3.5	1.4	.2									5.3	3.1
CALM												1.2	
	23.1	47.5	28.3	6.1	.8							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 657

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

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

**SURFACE WINDS**

STATION 4125 ROON-NI RANGE RD STATION NAME 86-70,77-79 YEARS JUL MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 000-170  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.7									2.2	4.0
NNE	.2		.2									.4	2.5
NE	.2		.4									.6	2.7
ENE		.2	.7		.2							1.1	3.5
E	.9	.9	.5	1.2	.4							3.9	3.2
ESE		.2	1.4	.2								2.8	7.6
SE	.4	.2	.7	.4								1.6	7.2
SSE	.5	.2	.7	.5	.2							2.0	4.1
S	.2	.2	.9	.7	.2							3.2	4.1
SSW		.7	.7	.4								1.8	6.2
SW	.4	1.1	1.9									3.2	7.1
WSW	.5	.5	.5	1.1								3.0	5.5
W	1.2	2.7	7.4	4.2	.2							15.7	6.7
WNW	1.4	14.1	14.3	3.7								29.5	7.4
NW	1.5	5.2	7.5	1.5	.2							19.1	7.4
NNW	.5	2.7	1.9	.2								5.3	3.2
VARBL	1.9	.2										2.8	5.2
CALM												.5	
	11.5	29.9	42.8	14.1	1.2							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 566

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**SURFACE WINDS**

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

STATION WAGON MOUNT RANGE KC STATION NAME WAGON MOUNT RANGE KC YEARS 68-70, 73-79 MONTH Jul  
 CLASS ALL WEATHER HOUR (L.S.T.) All  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	.7									1.7	4.2
NNE	.5	.4	.3									1.1	4.4
NE	.2	.6	.7	.1								1.1	5.6
ENE	.2	.5	.6	.3	.1							1.6	7.7
E	1.2	2.1	1.6	.8	.2	.1						6.1	7.2
ESE	1.4	2.5	1.7	.7	.2							6.3	6.4
SE	1.9	2.4	1.8	.4	.1							6.6	5.7
SSE	1.7	2.5	1.4	.4	.2							6.8	5.5
S	2.2	2.6	1.2	.5	.2							7.1	4.9
SSW	1.5	1.3	.8	.4								4.0	5.3
SW	1.1	1.4	.9	.1								3.3	5.1
WSW	2.0	1.5	1.1	.5								5.0	5.2
W	2.8	4.3	4.2	1.5	.1							12.8	6.5
WNW	2.5	5.5	5.4	1.3								14.7	6.4
NW	1.7	4.0	3.7	.5	.2							10.0	5.3
NNW	.2	1.5	1.0	.2								3.4	5.2
VARBL	3.7	1.7	.5									4.7	2.7
CALM												3.5	
	26.8	35.3	26.0	7.4	.7	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2261

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 40 WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 40775 GR-NI RANGE RD STATION NAME 68-7073-79 YEARS JUL MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 600-0600  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.2	.5	.3								2.8	3.5
NNE	.5	.7	1.3	.5								2.6	7.6
NE	.5	.8	2.6	.5								4.4	7.5
ENE	1.3	1.2	1.8	.3								4.2	5.2
E	1.6	4.7	2.6	.5								10.4	6.2
ESE	3.4	4.4	2.1	.3	.3							10.4	5.1
SE	3.6	5.5	2.9									11.9	4.7
SSE	2.6	3.1	1.3	.5								7.5	4.9
S	3.4	2.3	2.3	.5								3.6	5.3
SSW	3.1	3.6	2.1	.3	.5							9.6	5.6
SW	.8	.8	.5									2.1	4.3
WSW	1.0	.8	.3									2.1	3.9
W	1.6	.8	1.3									3.6	4.6
WNW	1.3	.8	.5									2.6	3.8
NW	.5											.5	2.5
NNW	.3	.3	.8									1.3	6.2
VARBL	1.8	.5										2.3	2.6
CALM												12.2	
	28.1	31.4	23.9	3.6	.8							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 355

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

42073 KOON-NI RANGE KO 68-70,73-79 JUN  
 STATION STATION NAME YEARS MONTH  
 CLASS ALL WEATHER 1959-1960  
 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	1.7	.8									1.9	3.3
NNE		.5	.5	.6								1.8	4.0
NE	.2	.5	1.0	.5								2.1	3.5
ENE	.2	.5	1.4	.2								2.3	7.1
E	1.0	3.9	5.8	1.4	.2							12.2	7.7
ESE	1.9	3.1	2.9	.5	.2							8.5	6.3
SE	2.6	5.8	2.6	.3								11.3	5.3
SSE	2.3	4.2	2.7	.3								9.5	5.3
S	5.1	5.6	3.4	.2								14.3	4.7
SSW	1.1	2.3	2.4	1.3	.5							7.6	6.0
SW	1.1	1.3	1.4	.2	.2							4.2	6.3
WSW	1.6	.8	.5	.2								3.1	4.1
W	2.6	1.3	1.3	.3								5.5	4.6
WNW	1.6	1.6	.3									3.5	3.8
NW	1.3	.3	.3									1.9	3.6
NNW	1.4	.6	.8									2.9	4.2
VARBL	1.5	1.4										3.2	3.2
CALM												4.3	
	25.9	34.7	23.1	5.9	1.0							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 622



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE INSTRUCTIONS

# SURFACE WINDS

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

STATION 40773 MOON-HI RANGE RD STATION NAME 68-7073-79 YEARS JUL MONTH  
 CLASS ALL FAIR 1200-1400 HOURS (L.S.T.)  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.7	1.0	.2								1.2	7.3
NNE	.3	.7	.5	.5								1.6	7.2
NE	.2	.2	.2	.5								1.0	6.5
ENE	.2	.7	1.3	1.0								3.1	6.6
E	.2	1.1	4.1	1.5	.7							7.7	6.3
ESE	.5	2.1	3.6	.8								7.0	7.3
SE	1.1	2.6	1.6	.3								5.7	6.7
SSE	.3	2.5	2.0		.7							5.4	5.9
S	2.9	3.4	2.9	.7								10.3	5.6
SSW	1.0	4.1	2.6	1.5								10.0	6.6
SW	1.1	1.2	2.8	1.0	.7	.7						7.2	6.2
WSW	1.3	1.3	1.5	.7								4.7	6.1
W	3.3	3.9	3.6	1.0								11.0	6.5
WNW	2.0	5.2	3.1									10.3	5.3
NW	.3	2.8	1.8									5.4	5.5
NNW	.3	1.5	.7									2.9	4.8
VARBL	1.1	.5										2.6	2.5
CALM												.3	
	20.5	30.5	33.9	9.5	.5	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 611

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 40023 KJON-NI RANGE KO STATION NAME 68-71, 77-79 YEARS MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	.9									2.2	5.8
NNE		.4	1.3	.2								1.9	5.2
NE	.2	.4	.6									1.1	5.8
ENE	.2	.2	.9	1.1								2.4	4.5
E	.2	1.5	2.2	.7								4.7	7.8
ESE	.6	2.2	2.2	.6								5.4	7.1
SE	.4	1.7	2.2									4.3	6.1
SSE		1.3	1.1	.4	.4							3.2	5.1
S	1.1	2.2	.9	.7	.4							2.2	7.3
SSW	.6	2.6	2.2	1.9	.2							7.6	6.3
SW	.6	1.5	3.5	.9	.2							6.7	7.2
WSW	1.1	1.7	1.9	1.3	.2							6.1	7.5
W	1.5	4.1	6.1	1.5	.4							13.6	7.5
WNW	2.1	6.3	8.8	.9								18.1	6.4
NW	1.7	4.3	4.3	.9								11.8	6.6
NNW	.6	1.3	.7	.4								3.0	5.9
VARBL	1.1	.4	.2									1.7	3.3
CALM												1.5	
	1.7	33.3	40.2	11.5	1.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 537

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE  
 SEE FIRST PAGE

# SURFACE WINDS

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

4-73 STATION WOLF-NI RANGE KO STATION NAME 6-70, 73-74 YEARS JUL MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.8	.1								2.2	6.2
NNE	.2	.4	.8	.5								1.9	6.8
NE	.2	.4	1.1	.4								2.1	7.9
ENE	.4	.7	1.2	.6								2.1	7.6
E	.6	2.5	4.7	1.1	.1							2.7	7.5
ESE	1.4	2.8	2.8	.6	.1							7.7	6.4
SE	1.4	3.5	2.3	.2								4.1	5.3
SSE	1.3	2.8	1.9	.3	.1							4.4	5.7
S	3.2	3.6	2.5	.5	.1							4.9	5.4
SSW	1.5	3.2	2.4	1.3	.3							2.6	7.1
SW	.9	1.4	2.2	.6	.1	.1						2.3	7.4
WSW	1.3	1.2	1.1	.6	.7							4.1	6.2
W	2.1	2.6	3.2	.7	.1							2.5	5.2
WNW	1.3	3.7	2.2	.2								8.9	5.6
NW	1.1	1.8	1.7	.2								4.9	5.9
NNW	.8	1.7	.7	.1								2.8	5.1
VARBL	1.7	.7	.4									2.5	3.0
CALM												4.0	
	21.2	33.7	32.0	7.9	1.7	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2155

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

USE WITH CARE  
 SEE FIRST PAGE  
**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)**

**SURFACE WINDS**

STATION 4000-NI RANGE AC STATION NAME 61-71-79 YEARS ALL MONTH

CLASS ALL WEATHER

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.0									1.1	2.3
NNE	1.4	2.6	1.2	.2								1.6	4.6
NE	3.4	4.7	1.4									2.2	4.4
ENE	1.7	3.0	2.9	.5								2.9	5.2
E	1.6	5.8	4.8	.5								15.7	5.3
ESE	2.4	4.6	1.9									8.9	5.7
SE	2.7	2.7	1.7	.5								7.2	5.4
SSE	1.2	1.7	2.4	.2								5.6	4.7
S	3.3	4.3	2.4									12.1	4.5
SSW	1.2	1.4	1.7									4.1	5.8
SW	.2	1.2	.2									1.4	4.2
WSW	.5	.2										.7	3.7
W	.7	.2	1.4									2.4	5.6
WNW		.2	.5	.5	.2							1.4	1.7
NW		.2		.2								.7	3.7
NNW	.5	.2										.7	3.3
VARBL	1.4	.5										1.7	3.3
CALM												0.9	
	25.7	36.7	22.7	2.7	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 414

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAG

DE WIND  
 SLIP

# SURFACE WINDS

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

STATION WAGON-NI RANGE KC STATION NAME WAGON-NI RANGE KC YEARS 74-79 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 240-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.2	.3	.1							2.7	6.4
NNE	.6	.9	1.8	.7								2.6	6.7
NE	.9	1.2	2.4	.7		.1						3.4	7.0
ENE	.7	1.3	2.2	.7								3.1	7.0
E	.7	4.2	5.2	1.6								11.5	7.4
ESE	1.9	5.2	3.5	.3								15.5	6.5
SE	2.2	3.7	2.4	.3								7.5	6.5
SSE	1.9	3.9	2.4	.3								6.5	6.6
S	2.9	4.7	3.1	.9	.1							12.1	6.7
SSW	1.9	1.8	1.8	1.5								7.0	6.9
SW	1.7	1.2	1.1									3.5	6.0
WSW	.7	1.1	.7	.1								2.2	4.0
W	1.5	1.3	.9									4.5	4.6
WNW	.9	1.5	1.6									4.0	6.6
NW	.9	.3			.7	.1						1.2	6.8
NNW	.9	.4	.6									1.9	4.8
VARBL	1.3	.6										2.5	2.8
CALM												4.7	
	24.1	33.6	30.0	7.2	.6	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 269

CELESTIAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAAC

UNIT AND LOCATION  
 NAME OF STATION

# SURFACE WINDS

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

STATION WAGON MOUNT GAUGE KC STATION NAME WAGON MOUNT GAUGE KC YEARS 61-70, 73-77 MONTH ALL  
 CLASS ALL STATIONS  
 HOURS (L.S.T.) ALL  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.5									.2	2.6
NNE	.2	.5	1.4	.6								.2	2.2
NE	.6	1.4	2.3	.3								.1	1.6
ENE		.5	2.5	.5								.6	2.4
E	.8	1.7	4.5	.9	.2							.2	7.8
ESE	.3	1.1	2.9	.2								.6	7.2
SE	.2	2.5	1.4									.5	5.3
SSE	.2	1.7	.8		.2							.4	5.2
S	1.9	3.2	2.5	1.2	.7							.8	6.5
SSW	1.4	1.5	4.3	2.2	.2							.4	2.2
SW	1.1	1.1	2.3	.2								.6	2.6
WSW	1.2	1.4	.8									.6	2.2
W	3.7	4.3	4.3	.6								.5	5.9
WNW	3.1	3.9	3.6	.9								.5	5.4
NW	1.5	1.9	.9	.2	.5							.2	2.3
NNW	.2	.6	.6									.2	4.4
VARBL	2.9	1.7	.2									.4	5.4
CALM												.7	
	21.5	31.3	35.8	7.6	1.2							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 640

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE 7447

USE WITH CAUTION  
 10-1-72

# SURFACE WINDS

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

STATION 63 CON-NI RANGE KC STATION NAME 6-70-7-79 YEARS 63-79 MONTH 6  
 CLASS ALL WEATHER HOURS (L.S.T.) 151-171  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.2	1.2									1.5	6.1
NNE	.2	.7	.9									1.7	5.8
NE	.3	1.2	2.6	.9								2.5	7.6
ENE	.5	1.2	2.2	.7								4.1	6.9
E	.3	2.2	2.6	1.2								4.1	7.7
ESE	.2	1.2	.5									1.9	5.6
SE		1.3	.5									2.2	5.9
SSE	.2	1.7	1.2									2.1	6.6
S	1.5	2.2	1.5	.5	.7							6.2	6.7
SSW	.5	.2	4.1	1.5								7.2	6.7
SW	.2	1.5	3.4	.3								5.8	7.1
WSW		.2	.9	1.2								2.9	6.2
W	1.7	4.2	5.6	2.9	.2							14.7	7.6
WNW	1.2	5.2	9.2	2.7	.3							19.4	7.9
NW	1.4	3.7	3.9	1.4	.2							12.6	7.2
NNW	.2	2.2	.5									3.1	6.2
VARBL	1.5	1.4										2.9	5.2
CALM												.9	
	11.4	33.7	42.4	12.4	1.2							140.0	7.1

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WFO WEATHER SERVICE/MAC

USE WITH SYSTEM  
 SEE INSTRUCTIONS

### SURFACE WINDS

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

STATION WJON-NI RAJBE KD STATION NAME WJON-NI RAJBE KD YEARS 64-70, 71-74 MONTH ALL

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

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	1.0	.1	.0							2.9	6.0
NNE	.0	1.2	1.2	.3								3.2	6.4
NE	1.1	1.0	2.4	.5								3.0	6.7
ENE	.6	1.0	2.4	.5								3.1	7.0
E	1.6	3.3	4.3	1.1	.0							10.2	6.9
ESE	1.2	2.9	2.2	.1								6.4	5.7
SE	1.4	2.4	1.5	.2								3.5	5.4
SSE	1.0	2.3	1.6	.1	.1							3.2	5.8
S	3.0	3.6	2.4	.7	.2							7.9	5.5
SSW	1.2	1.4	2.8	1.4	.0							6.9	7.6
SW	.6	1.2	1.9	.1								4.1	6.3
WSW	.8	.9	.6	.3								2.5	5.8
W	2.0	2.4	3.2	.9	.0							8.9	6.4
WNW	1.4	3.1	3.0	1.1	.1							9.5	7.0
NW	.9	1.6	1.3	.4	.2	.0						4.5	6.9
NNW	.7	.9	.5									2.1	4.8
VARBL	2.0	1.1	.0									3.2	3.3
CALM												3.9	
	11.1	33.3	32.9	7.8	.2	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2516



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 4173 KUON-NI RANGE KO STATION NAME 62-7, 77-79 YEARS  
 CLASS ALL WEATHER MONTH SEP  
 HOURS (L.S.T.) 600-2400  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	.7	.5								4.2	7.3
NNE	1.5	2.0	2.0	.5	.2							2.5	6.6
NE	1.5	4.7	1.5	.2								7.2	5.5
ENE	5.7	4.7	2.2	.5								13.2	4.5
E	5.7	9.7	4.7	.7								19.5	5.0
ESE	9.2	7.2	1.7									17.2	4.0
SE	2.7	1.7	1.7	.2								5.5	4.9
SSE	1.2	.7	1.2	.5								3.5	5.1
S	.7	2.7	1.2	.2								4.0	5.6
SSW	.5	2.7	.5									3.0	5.1
SW	.5	.2		.5								1.2	7.2
WSW		1.2	.5	.2								2.0	6.5
W		.7	.5									1.2	4.6
WNW			.5	.2	.5							1.2	13.5
NW	.2			.2								.5	7.0
NNW		1.2	1.2	.2								2.7	7.4
VARBL	1.7	.5										2.2	2.9
CALM												0.0	
	30.9	38.2	19.2	5.0	.7							17.0	5.0

TOTAL NUMBER OF OBSERVATIONS 411

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE LAST PAGE

# SURFACE WINDS

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

STATION 4-7-73 WON-NI RANGE KO STATION NAME 60-7-72-79 YEARS SEP MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 500-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	1.4	.5								6.1	5.3
NNE	.8	2.2	2.4	1.1	.3							6.6	7.8
NE	.6	1.6	2.4	.3								4.9	6.7
ENE	.4	2.2	3.1	.5								6.9	6.9
E	2.4	5.3	6.9	2.2								16.6	6.9
ESE	1.3	5.7	3.1	.6								10.7	6.6
SE	2.7	6.3	3.5	.5								12.9	5.5
SSE	2.7	3.2	1.6	.3								3.3	5.1
S	1.7	2.5	1.3	.2								5.7	5.6
SSW	.6	.8	.3		.2							2.0	5.5
SW	.2		.6		.2							.9	5.3
WSW	.3	.8	.5	.3								2.0	5.3
W	.3	1.4	.9	.3								3.0	5.2
WNW	.3	.8	.9	.3	.3							3.1	7.9
NW	.2	.8	.9	.2	.2							2.2	7.6
NNW	.6	.5	.6	.2								2.0	6.4
VARBL	2.4	1.3										3.6	2.9
CALM												3.2	
	12.8	38.5	30.5	7.9	1.1							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

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

4575 STATION KOON-NI RANGE KO STATION NAME 60-70, 77-79 YEARS 1999-1410 MONTH 1200-1410  
 CLASS ALL WEATHER HOURS [L.S.T.]  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	1.4	.2								2.3	6.7
NNE	.5	.3	.2	.6								2.2	7.4
NE	.2	1.4	1.3	1.1								4.3	7.8
ENE	.2	.2	2.5	.8	.2							4.4	8.4
E	.3	3.5	5.9	2.2								11.9	6.0
ESE	.3	2.2	1.9	.3								5.2	6.5
SE	.5	2.8	1.9	.3								5.5	6.5
SSE	.9	2.5	1.3	.5								5.2	5.9
S	1.2	3.3	.9	.2								8.1	4.4
SSW	1.9	1.1	.6									3.6	4.0
SW	1.3	1.1	.2	.5								3.0	5.3
WSW	.9	1.4	.5	.2		.2						3.0	6.1
W	2.5	4.3	4.3	.8	.2	.2	.2					12.7	6.6
WNW	1.1	2.2	4.3	1.4	.5							10.1	7.8
NW	.3	2.1	2.7	.5	.2							5.7	7.8
NNW	.9	2.1	1.7	.2								4.9	6.1
VARBL	.8	1.9										4.7	3.2
CALM												2.1	
	14.3	35.4	32.1	9.7	.9	.3	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

4173 STATION K. ON-MI RANGE KO STATION NAME 69-70, 73-79 YEARS SEP MONTH 1517-17 HOURS (L.S.T.)  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1	1.1	.2	.2							3.2	6.6
NNE	.4	.9	.2									1.4	4.6
NE	.7	1.1	2.0	1.1								4.8	7.9
ENE	.5	1.3	2.5	.4								4.7	7.3
E	.9	3.2	3.6	1.3								9.0	7.4
ESE	.2	.9	2.0	.2								3.2	7.2
SE	.5	.7	.9	.2								2.3	5.0
SSE	.7	1.1	.2									2.0	4.4
S	1.4	1.4	.4									3.2	3.8
SSW	.7	1.1	1.4	.7								3.9	7.3
SW	.2	.2	.9	.2								1.4	7.4
WSW	.2	.9	.7	.4	.2							2.3	7.5
W	1.5	3.8	6.8	1.8		.4						14.3	7.9
WNW	2.5	5.0	7.9	3.4	.5	.2						14.5	6.2
NW	1.4	4.1	4.5	1.4	.2							11.6	7.3
NNW	1.3	2.3	2.7	1.1	.4							7.0	7.3
VARBL	1.3	2.9	1.1	.2								5.4	4.9
CALM												.7	
	15.1	31.9	38.0	12.4	1.4	.5						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 450

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**SURFACE WINDS**

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

42273 STATION KCON-NI RANGE RD STATION NAME 68-74, 77-79 YEARS SEP MONTH ALL HOURS (L.S.T.)  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.2	.4	.	.	.	.	.	.	.	3.3	6.4
NNE	.7	1.3	1.7	.6	.1	.	.	.	.	.	.	4.5	7.1
NE	.9	1.3	1.8	.7	.	.	.	.	.	.	.	5.1	6.9
ENE	1.5	2.1	2.6	.6	.	.	.	.	.	.	.	6.3	5.5
E	2.2	4.9	5.3	1.7	.	.	.	.	.	.	.	13.9	6.8
ESE	2.1	3.3	2.2	.3	.	.	.	.	.	.	.	5.4	5.5
SE	1.5	3.1	2.1	.3	.	.	.	.	.	.	.	7.2	5.6
SSE	1.4	2.2	1.2	.3	.	.	.	.	.	.	.	5.5	5.4
S	1.0	2.5	.9	.1	.	.	.	.	.	.	.	5.4	4.6
SSW	1.0	1.2	.7	.2	.	.	.	.	.	.	.	3.1	5.5
SW	.5	.4	.4	.3	.	.	.	.	.	.	.	1.7	6.5
WSW	.4	1.1	.5	.3	.	.	.	.	.	.	.	2.4	6.5
W	1.3	2.7	3.3	.8	.	.1	.	.	.	.	.	4.3	7.1
WNW	1.2	2.3	3.5	1.4	.4	.	.	.	.	.	.	8.9	8.2
NW	.5	1.3	2.2	.6	.1	.	.	.	.	.	.	5.3	7.5
NNW	.2	1.6	1.4	.4	.1	.	.	.	.	.	.	4.2	6.8
VARBL	2.1	1.7	.3	.0	.	.	.	.	.	.	.	4.1	3.6
CALM												2.5	
	20.5	35.9	30.8	9.0	1.1	.2	.1	.1	.1	.1	.1	100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2227

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

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

4-73 STATION MOON-NI RANGE KO STATION NAME MOON-NI RANGE KO YEARS 73-79 SET MONTH SEP  
 CLASS ALL WEATHER HOURS (L.S.T.) 600-1800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.4	2.5	.7	.7							4.6	7.8
NNE	1.3	1.4	.9									4.5	4.5
NE	1.6	5.2	.5									7.3	4.4
ENE	2.3	3	2.5	.5								1.2	3.7
E	6.4	3.4	7.2	.5								13.4	4.8
ESE	2.2	9.5	2.7	.2								2.2	4.7
SE	2.7	6.1	1.1	.2								10.2	4.3
SSE		3.7	.5									3.4	3.3
S	.9	.5	.5	.2								2.2	5.2
SSW	.2		.5									.7	6.7
SW													
WSW	.2												3.3
W	.2	.5	.2									.9	3.7
WNW		.5	1.1	.2								1.8	4.4
NW		.7	.5	1.4	.5							3.2	12.7
NNW		.2	.9	1.8	1.1							4.2	12.5
VARBL	2.7	1.8										4.5	3.2
CALM												1.5	
	24.9	43.2	17.5	5.7	2.3							107.6	5.4

TOTAL NUMBER OF OBSERVATIONS 44

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAJ

USE WITH CAUTION  
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# SURFACE WINDS

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

STATION 47273 WON-NI RANGE KO STATION NAME WON-NI RANGE KO YEARS 68-70, 73-79 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	3.4	.3	.6							7.7	7.6
NNE	1.0	1.5	1.8	.4								4.8	6.3
NE	1.3	2.5	1.2	.4	.1							3.6	5.8
ENE	1.6	2.2	1.9	.6								6.4	6.2
E	2.2	6.4	5.2	1.2								15.6	6.3
ESE	2.2	5.2	3.6	.3								12.0	5.7
SE	1.8	8.2	3.7	.3								13.2	5.5
SSE	1.6	4.9	2.3									9.4	5.6
S	.6	1.9	.7	.1								3.4	5.3
SSW		.2	.1									.4	5.3
SW		.1										.1	5.3
WSW		.1										.1	5.3
W	.3	.1	.9									1.3	7.2
WNW	.1	.1	.3	.1	.3							1.6	1.3
NW		1.0	1.3	1.2	.7							3.9	10.0
NNW	.6	1.7	3.9	1.3	.7							7.6	9.7
VARBL	4.0	1.6	.3									5.9	3.3
CALM												1.3	
	18.3	40.9	31.1	6.4	2.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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### SURFACE WINDS

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

4273 STATION KCON-NI RANGE KO STATION NAME KR-70,73-79 YEARS 197 MONTH 12  
 CLASS ALL WEATHER HOURS (L.S.T.) 147  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.3	.6	.8	.2							6.4	6.3
NNE		1.1	.2	.3								1.5	7.3
NE	.2	.6	.5	.6								1.5	6.7
ENE	.2	1.1	1.1	.8								3.2	7.9
E	1.1	2.1	3.3	.5	.2							7.1	6.9
ESE	.3	2.9	3.2	.5								7.3	6.4
SE	.6	2.4	1.7	.3								5.0	6.2
SSE	1.1	2.4	.5	.3								4.2	5.0
S	2.3	3.6	.6									6.5	4.3
SSW	1.2	1.7	.6	.3								3.5	5.1
SW	.3	1.4	.6	.2								2.9	5.2
WSW	2.3	.3	.9	.3								4.2	5.1
W	1.9	2.2	2.3									6.1	5.5
WNW	1.1	4.4	3.8	1.4	.6							11.2	7.4
NW	1.1	2.7	3.6	2.1	.6	.2						10.3	8.7
NNW	2.7	2.4	3.6	2.1	.2							11.0	7.1
VARBL	4.7	2.7	.3									7.7	5.3
CALM												.5	
	23.8	36.0	27.4	10.3	1.7	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 661



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# SURFACE WINDS

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

41-23 STATION KOON-NI RANGE KO STATION NAME 65-71,73-79 YEARS 30 MONTH OCT  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	.2	.2								4.2	5.4
NNE	.7	.7	.5	.2								3.1	5.2
NE	.7	.4	1.4	.5								3.0	5.9
ENE	.9	.9	.2	.2								3.8	5.9
E	.4	1.8	2.5	.5								5.5	7.2
ESE	.9	1.1	1.2									3.2	5.4
SE	.5	.7	.4									1.6	4.7
SSE		.7	.4	.2								1.2	7.6
S	.3	.5										1.1	3.5
SSW	.5	.2	.2	.2								1.1	6.2
SW	.9	.5		.5								1.9	5.7
WSW	.2	1.4	.4	.5	.2							3.3	6.9
W	1.4	2.3	5.5	1.8								12.0	7.5
WNW	.7	7.2	8.1	2.1	1.1							12.2	2.0
NW	1.4	7.2	7.9	3.2	.5							20.6	7.6
NNW	1.6	3.5	3.3	1.6								12.0	7.1
VARBL	3.1	2.8	.4	.4								6.5	4.1
CALM												.5	
	16.4	34.2	35.2	12.0	1.8							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 568

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# SURFACE WINDS

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

40073 STATION WCON-NI RANGE KO STATION NAME WCON-NI RANGE KO YEARS 65-70, 73-79 MONTH ALL  
 CLASS ALL WEATHER HOUR (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	1.9	.5	.7							1.0	6.9
NNE	.3	1.2	.9	.3								1.2	6.8
NE	.2	2.7	.9	.4								4.3	6.9
ENE	1.2	1.7	1.5	.5								3.2	6.2
E	2.2	4.4	3.9	.7	.7							11.3	7.1
ESE	2.6	4.6	2.6	.3								11.1	6.3
SE	1.3	4.4	1.6	.2								7.5	6.4
SSE	.5	2.3	1.1	.1								4.5	6.5
S	1.1	1.3	.6	.1								3.5	4.7
SSW	.5	.6	.3	.1								1.6	5.3
SW	.4	.5	.2	.2								1.3	5.4
WSW	.9	.6	.3	.2								2.1	5.5
W	1.0	1.2	2.5	.4								5.2	6.7
WNW	.5	3.1	3.3	1.0	.5							8.5	7.9
NW	.5	2.9	3.4	2.0	.5	.0						9.6	6.5
NNW	1.3	2.7	3.1	1.7	.5							8.6	6.3
VARBL	3.7	2.3	.3	.1								6.3	3.5
CALM												1.2	
	21.3	38.3	24.5	8.7	1.9							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2342

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

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

**SURFACE WINDS**

40-73 STATION MOON-NI RANGE MS STATION NAME 68-7, 73-79 YEARS 1968-1969  
 MONTH 01-12  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 0000-2359  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.1	2.1	2.6								7.6	2.1
NNE	.7	3.3	2.6									6.7	3.9
NE	1.7	4.1	1.9									7.6	3.1
ENE	1.7	3.3	.5									5.5	4.3
E	3.4	4.5	1.7	.7								12.5	4.3
ESE	5.2	5.9	1.9	.2								14.1	4.6
SE	2.9	5.2	1.4									9.5	4.4
SSE	1.7	1.4	1.9									2.0	3.7
S	.2	1.2	1.7									3.1	6.6
SSW	.2	.7	.7									1.9	5.9
SW	.2		.5	.2								1.2	3.0
WSW			.5	.2								.5	11.0
W	.2		.5	.2	.2							1.0	11.5
WNW		.2	1.7	.5		.5						2.4	12.0
NW		.2	.2	.7	.7	.5						2.4	15.9
NNW		.2	1.0	1.7	1.0							5.0	11.5
VARBL	1.9	2.4		.7								6.0	4.4
CALM												5.5	
	26.3	36.3	21.0	7.6	2.4	1.0						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 419

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/44C

USE WITH CAUTION  
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# SURFACE WINDS

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

STATION KLON-NI RANGE RD STATION NAME KLON-NI RANGE RD YEARS 67-70, 71-72 MONTH 01-11  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	3.4	2.1	.3							7.8	3.3
NNE	1.2	4.7	3.4	.6	.3							8.2	7.5
NE	.9	2.5	1.5									2.2	2.2
ENE	1.7	1.5	1.4									4.5	4.8
E	3.4	4.7	3.7	1.1								12.1	5.9
ESE	3.7	5.2	3.5	.5								12.1	5.3
SE	2.9	6.7	2.7									11.9	5.1
SSE	.9	2.1	1.5									4.5	3.6
S	.4	1.8	2.7	.5								2.2	6.6
SSW	.3	.4	.6	.7								.9	2.5
SW		.1	.6									.5	7.0
WSW		.2	.8									.5	2.2
W	.5	.2	.5	.5	.7							1.2	2.5
WNW		.2	.8	.6	.4	.7						2.5	14.1
NW	.2	.2	.8	1.1	.6	.7						2.5	12.3
NNW	.5	.6	2.4	2.7	.3							8.6	5.9
VARBL	.1	2.3	.3	.5								3.2	4.4
CALM												2.4	
	21.2	38.4	29.5	13.2	2.4	.5	.3					12.1	6.6

TOTAL NUMBER OF OBSERVATIONS 875

FEDERAL BUREAU OF SURVEY  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL CLIMATOLOGY BRANCH  
 U.S. AIR FORCE  
 AIR WEATHER SERVICE / MAC

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

**SURFACE WINDS**

STATION WCON-NI RANGE KO STATION NAME WCON-NI RANGE KO YEARS 64-70, 73-77 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.7	2.5	1.3	.7		.7					1.7	3.1
NNE	.0	1.7	1.4	.5								4.5	3.1
NE	1.1	.9	.3									1.3	4.3
ENE	.5	.5	.5	.7								1.7	3.5
E	1.6	1.9	2.7	.6								3.1	3.2
ESE	.7	3.1	2.5	.3								3.3	3.4
SE	1.7	3.1	1.3	.2								1.2	3.1
SSE	2.5	3.3	2.7									1.5	1.3
S	.8	2.7	1.7	.5								4.7	3.2
SSW	1.1	.9	.5	.0	.3							1.3	7.8
SW	.7	.7	.6	.7								2.7	3.5
WSW	.7	.6	.5	.3	.7							1.9	3.5
W	1.1	1.3	1.9	.8	.7	.2						3.5	3.5
WNW	1.1	1.4	2.7	1.6	.7	.7	.2					1.1	3.2
NW	.5	3.3	4.2	3.6	.9							12.4	3.7
NNW	1.5	2.5	3.9	1.7	.3							1.2	3.1
VARBL	3.8	1.7	.9	.2								5.6	3.6
CALM												1.7	
	22.5	31.9	29.6	12.7	2.7	.5	.5					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 335

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SPECIFIC DATA

# SURFACE WINDS

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

STATION COON-NI RANGE KO STATION NAME COON-NI RANGE YEARS 67-70, 71-79 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 1800-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.7	2.2	1.1								4.7	7.5
NNE	.5	.5	.4	.2								1.6	2.2
NE	.4	1.1	.4	.2								1.0	2.7
ENE	.5	.2	.7	.2								1.3	2.0
E	.5	1.4	1.6									3.6	2.2
ESE	.5	.7	.5	.4								2.2	2.4
SE	.2	.2	.4									1.2	4.6
SSE	1.8	1.8	.5	.4								4.2	4.6
S	2.5	2.5	1.3	.2								5.9	4.3
SSW	.2	1.1	1.1	1.5	.2							4.3	2.6
SW	.9	.7	.9	.4								2.9	2.2
WSW	.2	.4	1.3	1.9								3.8	1.8
W	1.8	1.6	2.5	1.1	.2	.2	.2					7.8	7.9
WNW	1.1	3.5	4.1	2.7	.2	.5						12.3	2.7
NW	1.1	4.2	7.4	2.0	.4	.2						12.9	2.2
NNW	1.8	4.2	3.1	2.8	.5	.2						13.3	2.2
VARBL	.3	1.3	1.1	.2								4.9	4.6
CALM												5.1	
	12.2	30.5	29.4	16.2	1.4	1.3	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 555

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# SURFACE WINDS

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

STATION 40073 STATION NAME KRON-NI RANGE KO YEARS 68-72, 73-77 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.0	2.6	1.7	.7	.1	.1					7.8	2.4
NNE	.9	2.4	1.9	.4	.1							2.8	2.5
NE	1.1	2.3	1.0	.0								4.4	3.1
ENE	1.1	1.5	.3	.1								2.4	4.9
E	3.1	2.2	2.3	.6								7.0	5.5
ESE	2.2	3.2	2.2	.4								3.6	5.4
SE	2.1	4.2	1.4	.0								7.7	4.9
SSE	1.7	2.2	1.8	.1								4.8	5.3
S	1.1	1.9	1.6	.3								4.9	4.0
SSW	.5	.9	.7	.8	.1							3.0	5.0
SW	.5	.5	.7	.2								1.9	6.1
WSW	.1	.3	.7	.6								1.5	4.5
W	.2	.7	1.3	.6	.2	.1						3.9	5.4
WNW	.5	1.4	2.2	1.4	.4	.3	.1					6.3	9.6
NW	.5	2.2	3.3	1.9	.7	.2						6.6	4.5
NNW	1.7	1.9	2.9	2.5	.5	.0						8.9	9.1
VARBL	2.6	1.9	.6	.4								5.6	4.2
CALM												3.0	
	20.9	33.1	28.4	11.9	2.2	.7	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2268

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# SURFACE WINDS

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

STATION 73 KCON-NI RANGE KO STATION NAME 68-70, 73-79 YEARS 71 MONTH 1610-1606  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	3.3	2.0								1.1	2.6
NNE	1.2	3.0	1.0									5.6	4.7
NE	2.6	2.5	.8									6.1	3.9
ENE	2.5	3.3	1.1	.7								7.1	4.7
E	6.1	6.3	2.3	1.7								15.9	5.5
ESE	6.8	9.8	2.8	.5								12.0	4.6
SE	2.0	4.3	1.8									2.1	4.9
SSE	1.0	2.0	.8	.3								4.0	3.3
S	.3	.7	1.0									1.6	6.3
SSW		.7	.7	.7								.8	6.7
SW		1.0										1.0	3.3
WSW				.3								.3	10.0
W		.7	.5	.5								1.7	2.8
WNW			1.0	1.3								.3	12.2
NW		.7	1.0	1.0	.4							3.0	12.3
NNW		1.3	1.3	2.0	.5							2.1	10.6
VARBL	2.3	3.2	.3									2.2	3.0
CALM												2.0	
	25.8	47.7	18.9	10.6	1.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 596



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# SURFACE WINDS

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

STATION 4-73 MOON-NI RANGE K3 STATION NAME 68-70, 77-79 YEARS  
 MONTH DEC  
 CLASS ALL WEATHER HOURS (L.S.T.) 910-1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	4.7	1.4	.2							10.7	7.0
NNE	1.4	2.7	1.7	.5								2.5	2.5
NE	2.4	1.7	.9	.7								3.0	4.0
ENE	1.2	1.3	.9									4.1	4.4
E	4.0	4.6	3.8	.3								12.2	5.1
ESE	3.5	4.1	3.6	.6	.2	.2						17.2	5.6
SE	2.1	.2	4.1				.2					10.3	4.1
SSE	.5	2.1	.2	.2	.2							3.0	4.3
S	.3	2.4	1.1	.2								7.9	5.7
SSW		.2	.2									.9	4.0
SW				.3								.3	11.0
WSW		.2		.5								.2	9.0
W	.2	.5	.9	.3	.2							3.2	5.0
WNW		.2	.8	1.3	.2							2.4	12.1
NW		.2	1.2	.6	.5							3.0	10.4
NNW	.6	.2	2.0	3.5	.5							3.2	10.4
VARBL	2.4	1.7	.5									4.1	3.7
CALM												.2	
	1.1	36.8	28.1	3.8	1.7	.2	.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 34

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# SURFACE WINDS

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

STATION 65-73 BOON-NT RANGE KO STATION NAME 65-73, 73-79 YEARS 1960-1968 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	3.1	1.2								7.6	7.3
NNE		1.4	.5									2.4	5.2
NE	.5	1.2	.2									1.4	5.1
ENE	.2	.5	.5									1.2	6.1
E	1.7	1.2	1.2	.5								5.1	5.6
ESE	1.4	5.4	4.4	.3		.2						11.7	6.6
SE	1.9	4.0	2.5	.2		.2						9.3	5.7
SSE	.2	2.0	1.2	.5								4.5	5.9
S	1.2	3.2	1.2	.5	.3							6.5	6.4
SSW	.7	1.5	.7	.2								2.5	5.6
SW	.7	.5	.3									1.2	5.3
WSW	.5	.9		.5								1.9	5.9
W	.5	1.4	.7	1.2								3.7	7.4
WNW	.6	1.5	2.5	1.0	.7							6.6	6.3
NW	1.4	4.1	3.4	2.9	.3							12.1	5.1
NNW	1.5	4.2	3.7	3.1	.3							12.9	5.1
VARBL	2.7	1.2	.8	.3								5.1	4.7
CALM												1.7	
	15.8	37.4	27.7	12.4	1.7	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 589

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**SURFACE WINDS**

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

4-2273 STATION KCON-NI RANGE KO STATION NAME 69-78, 77-79 YEARS DLC MONTH 1500-1700  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.6	1.9	1.2								2.2	7.5
NNE	.6	1.2	.2									1.6	4.4
NE	.6		.8									1.4	3.9
ENE	1.2	1.3	.2									2.2	4.4
E	2.2	2.4	.2									5.2	4.0
ESE	1.4	2.2	1.7									4.6	5.0
SE	1.4	3.2	.6									4.6	4.6
SSE	.8	2.4	1.5									3.3	5.2
S	1.2	1.3	1.2	.2								4.4	5.2
SSW	.6	1.2	1.6	.6								4.0	7.4
SW	.2	.4	1.5				.2					1.8	4.3
WSW	1.0	1.2	1.4	.4	.2							4.2	6.9
W	1.6	1.6	2.2	1.2	.6	.6						7.8	9.2
WNW	1.0	4.2	3.6	1.2	.2	.2	.2					11.2	7.8
NW	1.4	4.8	5.2	3.6	1.0		.2					16.2	9.0
NNW	1.0	4.0	5.6	3.2	.8	.2						14.3	8.9
VARBL	1.0	.2	1.0	1.0								3.2	7.6
CALM												2.2	
	14.0	34.1	28.7	12.6	2.8	1.0	.6					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 499

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

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

43273 STATION CON-NI RANGE KO STATION NAME BA-70,73-79 YEARS DEC MONTH  
 ALL WEATHER CLASS ALL HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.2	1.3	1.6	.2							5.1	2.1
NNE	1.1	2.1	.9	.1								4.2	3.7
NE	1.5	1.3	.7	.2								3.5	4.4
ENE	1.4	1.6	.7	.2								3.6	4.7
E	3.5	3.7	1.9	.5								9.6	5.0
ESE	3.2	2.6	1.1	.4	.1	.1						13.2	5.5
SE	1.7	4.5	2.4	.2		.5	.5					8.9	5.6
SSE	1.1	2.7	1.2	.2	.2							4.8	5.8
S	.8	2.1	1.1	.2	.1							4.3	5.9
SSW	.3	.7	.7	.2								1.9	5.7
SW	.1	.4	.3	.1			.2					1.6	7.5
WSW	.4	.5	.3	.4	.1							1.8	7.1
W	.6	1.2	1.0	.9	.2	.1						3.2	8.6
WNW	.6	1.5	2.0	1.2	.3	.2						5.6	8.5
NW	.7	2.5	2.7	2.0	.5	.2	.2					8.6	9.2
NNW	.5	2.8	3.4	3.0	.5	.2						10.5	7.1
VARBL	2.1	1.5	.7	.3								4.6	4.6
CALM												2.2	
	22.6	37.0	26.4	11.3	1.9	.4	.2					17.0	6.9

TOTAL NUMBER OF OBSERVATIONS 118

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 4-73 MOON-NI RANGE KO STATION NAME 65-7, 77-8 YEARS ALL MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	1.5	.7	.1	.0	.0					4.4	7.3
NNE	.7	1.1	.9	.2	.0	.0						2.0	5.0
NE	.8	1.2	.9	.3	.0	.0						3.2	6.1
ENE	.9	1.1	1.2	.4	.0	.0						3.7	6.5
E	1.8	2.9	2.7	.9	.1	.0						3.5	6.5
ESE	1.9	3.5	2.5	.4	.0	.0						7.9	5.6
SE	1.7	3.4	1.8	.2	.0	.0	.0					7.1	5.4
SSE	1.1	2.3	1.1	.2	.0	.0						4.7	5.4
S	1.8	2.3	1.2	.3	.1	.0						5.6	5.3
SSW	.9	1.2	1.1	.6	.1	.0						3.8	6.9
SW	.4	.9	1.7	.4	.1	.0						3.1	6.2
WSW	.8	1.0	1.0	.5	.1	.0	.0					3.3	6.3
W	1.5	2.6	3.3	1.4	.7	.1	.0	.0				9.2	7.7
WNW	1.2	3.0	4.4	1.9	.4	.1	.0					11.1	6.1
NW	.9	2.3	3.0	1.6	.4	.1	.0	.0				3.4	6.5
NNW	.8	1.5	2.2	1.3	.3	.0	.0					6.2	6.3
VARBL	2.2	1.1	.3	.1	.0	.0						3.7	5.8
CALM												3.1	
	20.5	32.9	29.6	11.3	2.3	.4	.1	.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 24832

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# SURFACE WINDS

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

STATION 40003 STATION NAME KOON-NI RANGE KO YEARS 62-73 MONTH ALL  
 INSTRUMENT CIG 210 TO 1400 FT W/ VSBY 1/2 MI OR MORE CLASS ALL  
 CONDITION AND/OR VSBY 1/2 TO 1-1/2 MI W/CIG 210 FT OR MORE HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.6	1.2	.6	.1	.1						7.1	2.7
NNE	1.4	1.9	1.2	.5								4.9	5.7
NE	2.0	1.5	1.1	.1	.1	.1						4.9	5.1
ENE	1.2	1.2	.9	.8	.1							4.3	5.7
E	2.3	3.2	2.2	1.1	.1							9.9	5.8
ESE	3.7	4.1	1.5	.4	.1							4.9	5.0
SE	2.9	2.7	1.5	.2								7.2	4.5
SSE	1.7	1.7	.4	.2	.1							4.4	4.9
S	2.1	2.0	1.7	.6	.1							6.5	5.9
SSW	.9	1.4	1.4	1.1	.3							5.1	5.1
SW	1.7	1.5	1.2	.5	.1	.1	.1					4.1	5.8
WSW	1.5	1.3	1.1	.6	.1							4.2	6.2
W	1.7	2.4	1.9	1.7	.3	.1						7.3	7.1
WNW	1.2	1.3	1.7	1.5	.5	.1	.1					5.9	6.7
NW	.8	1.3	1.1	.4	.1			.1				3.7	7.5
NNW	1.7	1.5	.8	.4	.1							3.8	5.2
VARBL	2.1	.4	.1									2.2	2.6
CALM												5.8	
	29.5	11.2	21.2	9.6	2.2	.3	.1	.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2180

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

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

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

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



ADDITIONAL EXAMPLES

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

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

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

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

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

AD-A102 398

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
KON-NI RANGE, OSAN, KOREA. REVISED UNIFORM SUMMARY OF SURFACE --ETC(U)  
APR 81

UNCLASSIFIED

USAFETAC/DS-81/052

SRIE-AD-E850 085

NL

2 of 3

AD-A102 398

A large grid consisting of 10 columns and 10 rows of cells. The majority of the cells are filled with solid black, obscuring any text or data that might have been present. Only the top-left corner of the grid is visible, showing the first few cells of the first row.

UNITED STATES AIR FORCE  
 AIR WEATHER SERVICE/AAU

# CEILING VERSUS VISIBILITY

STATION: 3 FROM-NI ANGE KI STATION NAME: 60-77,73-A YEARS: 4 MONTHS: 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	30.7	42.4	44.5	51.7	51.7	54.4	55.2	54.2	56.3	54.7	54.9	54.3	56.3	56.3	56.6	54.7
≥ 20000	30.1	44.2	46.2	53.6	54.7	57.4	58.4	59.4	59.3	59.2	59.2	59.3	59.3	59.3	59.4	59.3
IV 18000	33.1	44.2	46.2	53.6	54.7	57.6	58.7	58.7	59.5	59.4	59.5	59.4	59.4	59.4	59.1	54.1
IV 16000	33.1	44.2	46.2	53.6	54.7	57.6	58.7	58.7	59.5	59.4	59.5	59.4	59.4	59.4	59.1	54.1
IV 14000	33.1	44.2	47.2	53.9	55.2	57.9	59.0	59.1	59.8	60.1	60.1	60.1	60.1	60.1	60.6	60.6
IV 12000	33.1	44.2	47.7	54.4	55.5	58.4	59.5	59.5	60.3	60.6	60.6	60.6	60.6	60.6	61.1	61.1
IV 10000	33.1	44.2	48.2	54.9	56.6	59.8	61.9	61.9	61.7	61.3	61.9	61.7	61.9	62.2	62.5	62.5
IV 9000	33.1	44.2	48.8	55.2	56.8	59.1	61.1	61.1	61.9	62.2	62.2	62.2	62.5	62.5	62.7	62.7
IV 8000	33.1	44.2	49.4	55.9	59.3	62.5	63.5	63.7	64.3	64.6	64.6	64.9	64.9	64.9	65.1	65.1
IV 7000	33.1	44.2	49.7	56.4	59.3	62.5	63.5	63.7	64.3	64.6	64.6	64.9	64.9	64.9	65.1	65.1
IV 6000	33.1	44.2	51.2	57.0	60.1	63.5	64.6	64.6	65.4	65.7	65.7	65.7	65.7	65.7	66.0	66.0
IV 5000	33.1	44.2	51.7	57.7	63.8	67.3	68.4	68.4	69.2	69.4	69.4	69.7	69.7	69.7	70.0	70.0
IV 4500	33.1	44.2	52.2	58.8	64.9	68.4	69.4	69.4	70.5	70.8	70.8	71.0	71.0	71.0	71.3	71.3
IV 4000	33.1	44.2	53.4	60.6	69.7	72.2	74.3	74.3	75.3	75.6	75.6	75.9	75.9	75.9	76.1	76.1
IV 3500	33.1	44.2	54.1	61.8	71.2	75.3	76.4	76.4	77.5	77.7	77.7	78.0	78.0	78.0	78.3	78.3
IV 3000	33.1	44.2	55.4	63.9	73.9	79.4	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2	82.5	82.5
IV 2500	33.1	44.2	57.6	67.2	71.3	76.3	77.4	77.4	78.5	78.7	78.7	79.0	79.0	79.0	79.3	79.3
IV 2000	33.1	44.2	58.9	69.3	73.9	79.0	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2	82.5	82.5
IV 1800	33.1	44.2	59.9	71.3	73.9	79.0	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2	82.5	82.5
IV 1500	33.1	44.2	59.4	70.8	74.5	79.1	82.2	82.2	83.0	84.1	84.1	84.4	84.4	84.4	84.6	84.6
IV 1200	33.1	44.2	60.4	71.8	74.5	79.3	82.5	82.5	83.8	84.4	84.4	84.6	84.6	84.6	84.9	84.9
IV 1000	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 900	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 800	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 700	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 600	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 500	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 400	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 300	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 200	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 100	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8
IV 0	33.1	44.2	61.5	73.9	75.5	81.7	83.8	83.8	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8

TOTAL NUMBER OF OBSERVATIONS: 873

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. 73  
 STATION NAME FORT-AL FANGE MO

YEARS 69-70, 73-80

JA  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9,0-11,00  
 HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4	
NO CEILING																	
≥ 20000		34.7	44.8	47.4	57.3	57.9	59.7	59.3	59.0	54.3	59.5	59.5	59.6	59.6	59.6	59.6	59.6
18000		41.2	48.2	51.1	61.1	61.9	62.8	63.3	63.3	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0
16000		41.3	48.3	51.2	61.2	62.0	63.0	63.4	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
14000		41.3	48.3	51.4	61.4	62.7	63.9	64.3	64.3	64.8	64.9	64.9	65.2	65.2	65.2	65.2	65.2
12000		41.4	48.3	51.7	61.7	63.1	64.3	64.8	64.8	65.2	65.4	65.4	65.7	65.7	65.7	65.7	65.7
10000		42.4	50.0	53.7	63.3	64.3	65.7	66.2	66.2	66.6	66.8	66.8	67.1	67.1	67.1	67.1	67.1
9000		42.7	50.3	53.4	64.0	65.1	66.5	66.9	66.9	67.4	67.5	67.5	67.8	67.8	67.8	67.8	67.8
8000		43.1	51.1	54.3	63.1	66.2	67.7	68.4	68.4	68.9	69.1	69.1	69.4	69.4	69.4	69.4	69.4
7000		43.3	52.0	55.2	66.6	67.7	69.2	70.0	70.0	70.4	70.6	70.6	70.9	70.9	70.9	70.9	70.9
6000		43.4	52.7	55.9	67.4	68.4	70.2	71.0	71.0	71.5	71.6	71.6	72.0	72.0	72.0	72.0	72.0
5000		44.2	54.0	57.2	66.8	69.8	71.6	72.4	72.4	72.9	73.0	73.0	73.3	73.3	73.3	73.3	73.3
4500		44.4	54.1	57.6	67.5	70.6	72.4	73.3	73.3	73.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2
4000		46.5	57.6	61.2	74.5	75.8	77.7	78.7	78.7	79.1	79.3	79.3	79.7	79.7	79.7	79.7	79.7
3500		47.9	59.9	63.6	77.3	78.5	81.1	82.0	82.0	82.5	82.6	82.6	83.1	83.1	83.1	83.1	83.1
3000		50.3	62.7	67.2	82.6	84.5	87.2	88.1	88.1	88.6	88.7	88.7	89.2	89.2	89.2	89.2	89.2
2500		61.4	64.5	69.7	85.5	87.3	90.1	91.0	91.0	91.6	91.9	91.8	92.2	92.2	92.2	92.2	92.2
2000		62.1	65.7	70.6	86.7	88.6	91.6	93.0	93.0	94.1	94.2	94.2	94.7	94.7	94.7	94.7	94.7
1800		62.1	65.4	70.7	85.9	88.7	91.8	93.1	93.1	94.2	94.4	94.4	94.8	94.8	94.8	94.8	94.8
1500		62.4	66.5	71.5	87.7	89.5	92.5	93.9	93.9	95.0	95.1	95.1	95.6	95.6	95.6	95.6	95.6
1200		62.4	66.5	72.3	88.4	90.2	93.3	94.7	94.7	95.7	95.9	95.9	96.3	96.3	96.3	96.3	96.3
1000		62.6	66.8	72.3	88.7	90.5	93.6	95.0	95.0	96.2	96.6	96.6	97.3	97.3	97.3	97.3	97.3
900		62.9	66.8	72.6	89.1	91.0	94.2	95.6	95.6	96.8	97.3	97.3	97.6	97.6	97.6	97.6	97.6
800		63.2	67.0	72.9	89.3	91.3	94.5	95.9	95.9	97.1	97.6	97.6	97.9	97.9	97.9	97.9	97.9
700		63.0	67.0	72.9	89.3	91.3	94.5	95.9	95.9	97.1	97.6	97.6	97.9	97.9	97.9	97.9	97.9
600		63.0	67.0	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0
500		63.0	67.0	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0
400		63.0	67.0	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0
300		63.0	67.0	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0
200		63.0	67.0	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0
100		63.0	67.0	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0
0		63.0	67.0	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 656

FEDERAL AVIATION ADMINISTRATION  
 METEOROLOGICAL BRANCH  
 METEOROLOGICAL SERVICE/FAA

# CEILING VERSUS VISIBILITY

STATION: WICHITA, KANSAS  
 STATION NAME: WICHITA, KANSAS

PERIOD: 69-70, 73-74  
 YEARS: 69-70, 73-74

JA  
 MONTH: 12  
 HOURS: 14

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	47.7	54.4	57.1	61.9	61.9	62.8	62.0	62.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 18000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 14000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 10000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 8000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 5000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3500	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 2500	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 2000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 1800	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 1500	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 1200	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 1000	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 900	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 800	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 700	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 600	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 500	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 400	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 300	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 200	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 100	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 0	52.1	61.9	63.1	67.3	68.3	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4

TOTAL NUMBER OF OBSERVATIONS 637

SECTAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. WCOM-NI RANGE KO  
STATION NAME

69-71,73-80  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NO CEILING	49.4	53.4	54.5	59.6	59.6	59.6	58.8	58.8	58.8	58.8	59.8	59.8	59.8	58.8	58.8	58.8
≥ 20000	57.7	59.7	60.9	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 18000	54.7	60.7	62.0	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	55.1	61.1	62.5	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	55.3	62.4	63.7	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 12000	56.2	62.7	64.1	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 10000	56.9	63.9	65.2	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	57.3	64.2	65.5	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	57.5	64.3	66.3	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	58.6	66.1	67.6	72.4	73.0	73.0	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 6000	59.1	66.4	68.0	73.9	74.3	74.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	59.4	67.4	68.9	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4500	60.3	67.7	70.2	76.4	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4000	62.7	71.5	73.7	79.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3500	63.9	73.8	77.3	83.5	83.7	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	70.6	82.8	84.8	91.9	92.1	92.5	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2500	71.2	83.1	85.0	93.3	93.4	93.8	94.4	94.6	94.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	71.9	84.5	86.3	95.5	95.7	96.1	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	71.9	84.5	86.3	95.5	95.7	96.1	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	72.3	84.7	86.7	96.1	96.3	97.0	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	72.3	84.7	86.9	96.4	96.6	97.4	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8
IV 300	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8
IV 200	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8
IV 100	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8
IV 0	72.3	85.7	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 534

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE/FAO

FORM NO. 14-5  
 JULY 1964

# CEILING VERSUS VISIBILITY

STATION: WON-NI RANGE MO YEARS: 67-73, 73-50 MONTH: ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥1/16	≥0	
NO CEILING		43.8	47.8	51.5	57.8	58.2	58.9	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6
IV 20000		48.3	52.9	56.0	62.9	63.3	64.0	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9
IV 18000		47.1	54.2	56.4	63.2	63.7	64.5	64.9	64.9	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3
IV 16000		47.3	54.4	56.5	63.5	63.9	64.7	65.1	65.1	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6
IV 14000		47.7	55.7	57.1	64.2	64.7	65.6	66.0	66.1	66.2	66.3	66.3	66.5	66.5	66.5	66.5	66.5
IV 12000		47.7	55.4	57.6	64.7	65.2	66.1	66.5	66.5	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0
IV 10000		48.4	56.3	58.5	65.7	66.5	67.5	67.9	67.9	68.2	68.3	68.3	68.4	68.4	68.4	68.5	68.5
IV 9000		43.6	56.6	58.9	66.4	67.3	68.0	68.4	68.4	68.6	68.7	68.7	68.9	68.9	68.9	68.9	68.9
IV 8000		49.1	57.4	60.0	67.7	68.3	69.4	69.8	69.8	70.1	70.2	70.2	70.3	70.3	70.3	70.4	70.4
IV 7000		49.6	58.7	61.1	69.2	69.8	70.9	71.4	71.4	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9
IV 6000		50.3	59.7	61.8	69.9	70.5	71.6	72.1	72.1	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6
IV 5000		51.1	60.6	63.2	71.5	72.1	73.4	73.8	73.8	74.1	74.2	74.2	74.3	74.3	74.3	74.4	74.4
IV 4500		51.8	61.3	64.1	72.6	73.3	74.5	75.1	75.1	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7
IV 4000		53.9	64.6	67.6	77.1	77.7	79.1	79.6	79.7	80.0	80.1	80.1	80.3	80.3	80.4	80.4	80.4
IV 3500		55.5	67.1	70.1	79.8	80.5	82.0	82.6	82.7	83.0	83.1	83.1	83.3	83.3	83.4	83.4	83.4
IV 3000		55.5	71.4	74.4	85.7	86.6	88.5	89.1	89.1	89.6	89.7	89.7	89.9	89.9	89.9	89.9	89.9
IV 2500		59.5	72.7	76.3	87.7	88.7	91.6	91.3	91.3	91.9	92.0	92.0	92.1	92.1	92.2	92.2	92.2
IV 2000		60.5	73.9	77.6	89.7	90.8	92.9	93.8	93.9	94.6	94.7	94.7	94.9	94.9	95.0	95.0	95.0
IV 1800		60.6	74.7	77.7	89.8	90.9	92.9	93.9	93.9	94.6	94.6	94.6	95.0	95.0	95.0	95.1	95.1
IV 1500		61.0	74.5	78.2	90.7	91.6	94.0	95.0	95.1	95.8	96.0	96.0	96.3	96.3	96.3	96.3	96.5
IV 1200		61.0	74.6	78.5	91.1	92.2	94.5	95.5	95.5	96.3	96.5	96.5	96.7	96.7	96.7	96.8	96.9
IV 1000		61.0	74.3	79.0	91.6	92.7	95.0	96.1	96.1	96.9	97.4	97.6	98.0	98.0	98.0	98.0	98.2
IV 900		61.1	74.9	79.0	91.7	92.9	95.2	96.3	96.3	97.1	97.5	97.9	98.2	98.2	98.3	98.5	98.5
IV 800		61.1	75.0	79.1	91.8	93.0	95.4	96.5	96.5	97.3	97.7	98.0	98.5	98.5	98.5	98.5	98.5
IV 700		61.1	75.0	79.1	91.8	93.0	95.4	96.5	96.5	97.3	97.7	98.0	98.5	98.5	98.5	98.5	98.5
IV 600		61.1	75.0	79.1	91.8	93.0	95.4	96.5	96.5	97.3	97.8	98.1	98.5	98.5	98.6	98.6	98.9
IV 500		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	97.9	98.2	98.7	98.7	98.7	98.7	99.1
IV 400		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.0	99.4
IV 300		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.0	99.5
IV 200		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.1	99.5
IV 100		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.1	99.5
IV 0		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS: 2200

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
MET WEATHER SERVICE/MAC

UNIT WITH A TIME  
SEE INSTRUCTIONS

# CEILING VERSUS VISIBILITY

STATION

KLON-NI RANGE KO

69-75,73-81

YEARS

FILE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

688-6600  
HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING																
≥ 20000		37.1	47.4	51.9	55.7	58.7	56.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000		38.5	49.4	53.2	57.6	58.0	59.2	60.1	60.3	60.3	60.6	60.6	60.9	60.9	60.9	61.5
≥ 16000		39.1	51.7	53.7	59.2	59.2	59.8	60.6	60.9	60.9	61.2	61.2	61.5	61.5	61.5	62.1
≥ 14000		39.1	51.8	54.1	57.5	59.5	61.1	61.9	61.2	61.2	61.5	61.5	61.8	61.5	61.8	62.4
≥ 12000		39.1	51.8	54.3	61.1	61.1	61.6	61.5	61.8	61.8	62.1	62.1	62.4	62.4	62.4	62.9
≥ 10000		40.8	51.1	56.3	62.6	62.6	63.2	64.1	64.4	64.4	64.7	64.7	64.9	64.9	64.9	65.5
≥ 9000		40.7	51.6	56.3	62.6	62.6	63.2	64.1	64.4	64.4	64.7	64.7	64.9	64.9	64.9	65.5
≥ 8000		42.2	54.6	57.6	64.7	64.7	65.5	66.4	66.7	66.7	67.7	67.0	67.2	67.2	67.2	67.8
≥ 7000		43.1	55.2	58.9	65.1	66.1	67.0	67.8	68.1	68.1	68.4	68.4	68.7	68.7	68.7	69.3
≥ 6000		43.1	55.2	58.9	66.1	66.1	67.1	68.1	68.4	68.4	68.7	68.7	69.1	69.1	69.1	69.8
≥ 5000		43.7	55.7	59.8	67.0	67.0	67.8	69.0	69.3	69.3	69.5	69.5	69.8	69.8	69.8	70.4
≥ 4500		44.2	56.6	60.3	67.5	67.5	68.4	69.5	69.8	69.8	70.1	70.1	70.4	70.4	70.4	71.0
≥ 4000		45.4	58.3	62.4	70.4	70.4	71.3	72.4	72.7	72.7	73.1	73.1	73.3	73.3	73.3	73.9
≥ 3500		46.8	61.2	64.4	73.0	73.0	73.9	75.6	75.9	75.9	76.1	76.1	76.4	76.4	76.4	77.0
≥ 3000		50.6	64.4	69.3	79.3	79.3	80.5	82.5	83.1	83.3	83.6	83.6	83.9	83.9	83.9	84.5
≥ 2500		52.3	67.3	71.2	83.3	83.3	84.5	86.5	87.1	87.4	87.6	87.6	87.9	87.9	87.9	88.5
≥ 2000		54.3	69.3	73.9	86.8	86.8	87.9	90.2	90.8	91.1	91.7	91.7	92.3	92.0	92.0	92.5
≥ 1800		54.3	69.8	74.4	87.4	87.4	88.5	90.8	91.4	91.7	92.2	92.2	92.5	92.5	92.5	93.1
≥ 1500		54.3	70.7	75.3	88.5	88.5	89.9	92.5	93.1	93.4	94.1	94.0	94.5	94.5	94.5	95.1
≥ 1200		55.2	71.3	75.6	89.1	89.1	90.5	93.1	93.7	94.0	94.5	94.5	94.5	95.1	95.1	95.7
≥ 1000		55.2	71.3	75.6	89.7	89.7	92.3	94.5	95.4	95.7	96.3	96.3	97.1	97.1	97.1	97.7
≥ 900		55.2	71.3	75.6	89.7	89.7	92.3	94.5	95.4	95.7	96.3	96.3	97.1	97.1	97.1	97.7
≥ 800		55.2	71.3	75.6	89.7	89.7	92.2	94.8	95.7	96.0	96.6	96.6	97.4	97.4	97.4	98.0
≥ 700		55.5	71.3	75.9	90.5	90.5	92.8	93.1	95.7	96.6	96.8	97.4	97.4	98.3	98.3	98.9
≥ 600		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.6	98.6	98.6	99.1
≥ 500		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.6	98.6	98.6	99.1
≥ 400		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.6	98.6	98.6	99.1
≥ 300		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	99.4
≥ 200		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	99.7
≥ 100		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	99.7
≥ 0		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 348



FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE/AMC

USE WITH CARE

# CEILING VERSUS VISIBILITY

STATION NO. 73 STATION NAME ALCON-NI RANGE, MO YEARS 69-71, 73-80 FEET MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9900-1100  
 HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING																
≥ 20000	42.7	50.7	52.5	57.1	57.5	57.9	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.9	58.8
18000	44.7	54.5	56.2	61.8	62.2	62.6	63.4	64.1	64.3	64.7	64.7	64.7	64.8	64.8	64.3	64.8
16000	45.4	55.5	56.9	62.4	62.9	63.4	63.7	64.5	65.2	65.3	65.3	65.3	65.5	65.5	65.5	65.5
14000	45.4	56.7	58.1	63.8	64.0	64.3	65.2	65.8	66.1	66.5	66.5	66.5	66.6	66.6	66.6	66.6
12000	46.8	56.9	58.7	64.2	64.7	65.7	65.8	66.5	66.8	67.1	67.1	67.3	67.3	67.3	67.3	67.3
10000	47.6	59.1	60.8	66.9	67.4	67.7	68.7	69.4	69.7	70.5	70.6	70.7	70.7	70.7	70.7	70.7
9000	48.1	59.6	61.4	67.9	68.4	68.7	69.7	70.3	70.7	71.5	71.6	71.6	71.6	71.6	71.6	71.6
8000	48.9	62.8	62.7	69.4	69.9	70.2	71.2	71.8	72.1	72.4	72.4	72.4	72.6	72.6	72.6	72.6
7000	49.3	61.1	63.6	70.2	70.7	71.0	72.0	72.6	72.9	73.2	73.3	73.3	73.4	73.4	73.4	73.4
6000	49.3	61.8	63.2	70.3	70.8	71.2	72.1	72.8	73.1	73.4	73.4	73.4	73.5	73.5	73.5	73.5
5000	51.4	62.4	64.5	71.6	72.1	72.6	73.9	74.6	74.9	75.2	75.2	75.4	75.4	75.4	75.4	75.4
4500	51.8	62.6	64.7	71.8	72.3	72.8	74.1	74.7	75.0	75.4	75.4	75.4	75.5	75.5	75.5	75.5
4000	52.7	65.1	67.1	74.4	74.9	75.5	76.8	77.5	77.8	78.1	78.1	78.1	78.3	78.3	78.3	78.3
3500	53.3	66.3	68.7	76.8	77.3	78.0	79.3	79.9	80.2	80.6	80.6	80.6	80.7	80.7	80.7	80.7
3000	54.8	68.2	71.2	81.4	81.9	81.8	83.5	84.3	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1
2500	55.4	71.3	74.2	84.1	84.9	86.4	88.0	88.8	89.3	89.6	89.6	89.8	89.8	89.8	89.8	89.8
2000	57.1	72.4	75.5	86.4	87.2	88.8	91.4	91.4	91.9	92.5	92.5	92.7	92.7	92.7	92.7	92.7
1800	57.1	72.8	75.7	86.5	87.4	89.1	90.6	91.6	92.1	92.7	92.7	92.9	92.9	92.9	92.9	92.9
1500	57.3	73.3	77.3	88.3	89.1	90.9	92.7	93.6	94.3	95.0	95.0	95.1	95.1	95.1	95.1	95.1
1200	58.2	74.6	78.3	89.8	90.6	92.4	94.2	95.3	95.8	96.4	96.4	96.6	96.6	96.6	96.6	96.6
1000	58.8	75.0	78.8	90.6	91.4	93.2	95.1	96.3	96.8	97.4	97.4	97.6	97.6	97.6	97.6	97.6
900	58.8	75.0	78.8	90.6	91.4	93.2	95.1	96.3	96.8	97.4	97.4	97.6	97.6	97.6	97.6	97.6
800	59.2	75.4	79.3	91.1	91.9	93.7	95.8	96.9	97.4	98.1	98.1	98.2	98.2	98.2	98.2	98.2
700	59.2	75.4	79.3	91.2	92.2	94.0	96.1	97.2	97.7	98.4	98.4	98.5	98.5	98.5	98.5	98.5
600	59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7	98.7
500	59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7	98.7
400	59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.6	98.1	98.7	98.7	98.9	98.9	98.9	98.9	98.9
300	59.3	75.7	79.6	91.7	92.7	94.5	96.6	97.9	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2
200	59.5	75.7	79.6	91.7	92.7	94.5	96.8	98.1	98.5	99.2	99.2	99.4	99.4	99.4	99.4	99.4
100	59.5	75.7	79.6	91.7	92.7	94.5	96.8	98.1	98.5	99.2	99.2	99.4	99.4	99.4	99.4	99.4
0	59.5	75.7	79.6	91.7	92.7	94.5	96.8	98.1	98.5	99.2	99.2	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 617

GENERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH  
 FORM 10-64

STATION 4-73 KNOX-NI RANGE KO  
 STATION NAME

YEARS 69-70, 73-80

MONTH FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	53.7	54.1	55.5	58.8	58.8	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 20000	53.2	61.7	66.8	66.8	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	55.3	61.6	67.5	67.5	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 16500	55.8	62.3	67.5	67.5	69.2	68.3	68.5	69.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	56.2	61.7	63.3	63.3	68.7	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	56.5	61.8	63.3	63.3	68.7	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	57.7	63.3	65.2	65.2	70.5	70.5	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	57.7	63.3	65.2	65.2	70.5	70.5	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	57.7	65.7	67.5	73.2	73.2	73.8	74.2	74.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	57.7	65.7	67.5	73.2	73.2	73.8	74.2	74.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	66.5	68.5	70.3	74.5	74.5	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	62.5	69.7	71.0	77.3	77.3	78.0	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4500	62.5	69.7	71.0	77.3	77.3	78.0	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4000	65.2	72.2	74.0	80.7	80.7	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	67.3	74.2	76.2	83.2	83.2	84.3	84.7	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	67.3	74.2	76.2	83.2	83.2	84.3	84.7	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	70.7	79.4	81.8	88.7	88.7	89.0	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	71.9	79.4	81.8	88.7	88.7	89.0	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1800	71.6	79.4	81.8	88.7	88.7	89.0	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	72.2	81.7	84.2	91.8	91.8	92.0	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	72.7	81.7	84.2	91.8	91.8	92.0	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	73.3	81.7	84.2	91.8	91.8	92.0	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	73.3	81.7	84.2	91.8	91.8	92.0	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	73.3	81.7	84.2	91.8	91.8	92.0	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700	73.7	82.2	84.8	95.2	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	73.7	82.2	84.8	95.2	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	73.7	82.2	84.8	95.2	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	73.7	82.2	84.8	95.2	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	73.7	82.2	84.8	95.2	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	73.3	82.3	85.0	95.3	95.3	95.5	96.7	97.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	73.3	82.3	85.0	95.3	95.3	95.5	96.7	97.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	73.3	82.3	85.0	95.3	95.3	95.5	96.7	97.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 600

AL CLIMATOLOGY BRANCH  
 STATION  
 WEATHER SERVICE ZIAO

# CEILING VERSUS VISIBILITY

STATION 2204-NI TANGE RD YEARS 64-72, 73-67 MONTH FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 0-170  
 HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	47.4	53.8	57.8	58.8	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.1
≥ 20000	57.1	62.1	62.4	67.2	67.2	67.4	67.4	67.4	67.4	67.6	67.6	67.8	67.8	67.8	67.8	67.3
IVIV 18000	57.9	63.1	63.2	65.7	65.7	65.2	64.2	64.2	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6
IVIV 16000	58.4	63.4	63.5	65.6	65.6	63.9	63.8	63.8	63.8	64.0	64.0	64.2	64.2	64.2	64.2	64.2
IVIV 14000	58.2	64.3	64.4	65.2	65.2	65.4	65.4	65.4	65.4	65.6	65.6	65.8	65.8	65.8	65.8	65.8
IVIV 12000	58.2	65.1	66.3	71.8	71.8	71.1	71.1	71.1	71.1	71.2	71.2	71.4	71.4	71.4	71.4	71.4
IVIV 10000	61.0	67.1	67.2	72.1	72.1	72.2	72.2	72.2	72.2	72.4	72.4	72.6	72.6	72.6	72.6	72.6
IVIV 9000	63.3	69.2	69.4	74.4	74.4	74.6	74.6	74.6	74.6	74.8	74.8	75.0	75.0	75.0	75.0	75.0
IVIV 8000	64.4	71.2	71.4	75.4	75.4	76.0	76.0	76.0	76.0	76.2	76.2	77.0	77.0	77.0	77.0	77.0
IVIV 7000	66.4	72.3	74.3	78.2	78.2	78.4	78.4	78.4	78.4	78.6	78.6	79.3	79.3	79.3	79.3	79.3
IVIV 6000	67.2	75.3	75.4	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.2	81.2	81.2	81.2	81.2
IVIV 5000	67.6	75.6	75.3	81.6	81.6	81.9	81.9	81.9	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2
IVIV 4500	67.6	75.2	76.0	81.5	81.5	81.8	81.8	81.8	81.8	82.0	82.0	82.2	82.2	82.2	82.2	82.2
IVIV 4000	69.4	77.6	77.2	83.4	83.4	83.6	83.6	83.6	83.6	83.8	83.8	84.2	84.2	84.2	84.2	84.2
IVIV 3500	71.3	80.4	80.6	86.4	86.4	86.6	86.6	86.6	86.6	87.0	87.0	87.2	87.2	87.2	87.2	87.2
IVIV 3000	74.8	84.1	84.2	90.0	90.0	90.4	90.4	90.4	90.4	90.6	90.6	90.8	90.8	90.8	90.8	90.8
IVIV 2500	77.2	88.2	88.8	92.6	92.6	93.0	93.0	93.0	93.0	93.2	93.2	93.4	93.4	93.4	93.4	93.4
IVIV 2000	78.6	89.4	89.6	94.4	94.4	94.6	94.6	94.6	94.6	94.8	94.8	95.4	95.4	95.4	95.4	95.4
IVIV 1800	78.8	88.6	88.8	94.3	94.3	95.2	95.2	95.2	95.2	95.8	95.8	96.0	96.0	96.0	96.0	96.0
IVIV 1500	79.2	89.1	89.6	95.6	95.6	96.1	96.1	96.1	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.6
IVIV 1200	80.0	89.8	91.4	96.4	96.4	96.8	96.8	96.8	96.8	97.2	97.2	97.4	97.4	97.4	97.4	97.4
IVIV 1000	80.4	90.1	91.2	97.4	97.4	97.8	97.8	97.8	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4
IVIV 900	80.4	90.6	91.2	97.4	97.4	97.9	97.9	97.9	97.9	98.2	98.2	98.6	98.6	98.6	98.6	98.6
IVIV 800	80.6	91.1	91.6	97.8	97.8	98.4	98.4	98.4	98.4	98.8	98.8	99.2	99.2	99.2	99.2	99.2
IVIV 700	80.6	91.1	91.6	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4
IVIV 600	80.6	91.1	91.6	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4
IVIV 500	80.8	91.1	91.6	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4
IVIV 400	80.8	91.1	91.6	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4
IVIV 300	81.1	91.1	91.8	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4
IVIV 200	81.3	91.1	91.8	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4
IVIV 100	81.3	91.1	91.8	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4
IVIV 0	81.3	91.1	91.8	98.0	98.0	98.6	98.6	98.6	98.6	99.0	99.0	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 500

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION WON-NI RANGE KO  
 STATION NAME

65-75, 73-80  
 YEARS

FEF  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥.75	≥.5	≥.25	≥.16	≥.1	≥0	
NO CEILING	45.0	51.4	53.4	57.3	57.4	57.9	58.2	57.3	58.3	57.3	59.3	58.4	58.4	58.4	58.5	
IV 20000	45.7	57.1	58.8	64.0	64.2	64.6	65.0	65.3	65.5	65.6	65.7	65.8	65.8	65.8	65.9	
IV 18000	50.3	57.7	59.3	64.6	64.7	65.1	65.6	65.9	66.0	66.2	66.2	66.3	66.3	66.3	66.4	
IV 16000	51.5	57.1	59.6	65.0	65.1	65.6	66.0	66.3	66.4	66.5	66.6	66.7	66.7	66.7	66.8	
IV 14000	51.8	59.4	61.2	65.5	65.7	66.1	66.5	66.8	67.0	67.1	67.2	67.3	67.3	67.3	67.4	
IV 12000	51.8	54.4	61.1	66.4	66.5	67.0	67.4	67.7	67.8	68.0	68.0	68.1	68.1	68.1	68.2	
IV 10000	52.6	51.0	62.7	68.3	68.5	68.9	69.4	69.7	69.8	70.0	70.0	70.1	70.1	70.1	70.2	
IV 9000	53.4	61.4	63.6	68.7	69.5	69.9	70.5	70.8	70.9	71.0	71.1	71.2	71.2	71.2	71.3	
IV 8000	54.2	63.0	65.4	71.4	71.5	72.0	72.5	72.8	73.1	73.1	73.2	73.3	73.3	73.3	73.4	
IV 7000	55.7	64.7	66.5	72.8	73.0	73.5	74.0	74.3	74.4	74.6	74.6	74.7	74.7	74.7	74.8	
IV 6000	55.9	65.3	67.0	73.3	73.5	73.9	74.5	74.8	75.0	75.1	75.2	75.3	75.3	75.3	75.4	
IV 5000	56.3	65.5	67.2	74.7	74.8	75.4	76.0	76.3	76.5	76.5	76.7	76.8	76.8	76.8	76.9	
IV 4500	57.0	67.7	69.5	75.1	75.2	75.7	76.4	76.7	76.9	77.0	77.1	77.1	77.1	77.1	77.2	
IV 4000	57.1	69.1	70.9	77.7	77.9	78.5	79.2	79.5	79.6	79.8	79.8	79.9	79.9	79.9	80.0	
IV 3500	58.8	71.0	73.0	80.3	80.5	81.3	82.0	82.3	82.5	82.7	82.7	82.8	82.8	82.8	82.9	
IV 3000	58.7	73.0	76.0	84.2	84.4	85.3	86.2	86.6	86.9	87.1	87.1	87.2	87.2	87.2	87.3	
IV 2500	54.8	76.7	78.6	87.4	87.7	88.7	89.6	90.0	90.4	90.5	90.6	90.7	90.7	90.7	90.8	
IV 2000	56.1	78.7	81.2	89.6	89.9	91.0	92.0	92.7	93.0	93.3	93.4	93.5	93.5	93.5	93.6	
IV 1800	56.3	78.7	81.4	89.9	90.2	91.3	92.3	92.9	93.3	93.6	93.6	93.7	93.7	93.7	93.8	
IV 1500	66.7	78.8	81.5	91.1	91.4	92.6	93.7	94.4	94.8	95.1	95.1	95.2	95.2	95.2	95.4	
IV 1200	67.2	79.0	81.3	92.2	92.4	93.7	94.8	95.5	95.9	96.2	96.2	96.4	96.4	96.4	96.5	
IV 1000	67.7	80.1	82.6	93.2	93.5	94.8	96.2	97.1	97.4	97.7	97.8	98.0	98.0	98.0	98.1	
IV 900	67.7	80.7	83.3	93.2	93.5	94.9	96.2	97.1	97.5	97.8	97.8	98.1	98.1	98.1	98.2	
IV 800	67.9	80.7	83.1	93.5	93.8	95.3	96.9	97.7	98.1	98.4	98.4	98.6	98.6	98.6	98.7	
IV 700	63.0	80.7	83.3	93.9	94.3	95.7	97.2	98.1	98.5	98.8	98.8	99.1	99.1	99.1	99.2	
IV 600	63.0	80.7	83.4	93.9	94.3	95.7	97.3	98.2	98.6	98.9	98.9	99.2	99.2	99.2	99.3	
IV 500	63.0	80.7	83.4	93.9	94.3	95.7	97.3	98.2	98.6	98.9	99.1	99.2	99.2	99.2	99.3	
IV 400	63.0	80.7	83.4	93.9	94.3	95.7	97.3	98.3	98.6	99.1	99.1	99.3	99.3	99.3	99.4	
IV 300	63.1	80.7	83.4	94.0	94.4	95.8	97.4	98.4	98.7	99.1	99.2	99.5	99.5	99.5	99.6	
IV 200	63.1	80.7	83.5	94.1	94.5	95.9	97.5	98.5	98.8	99.2	99.3	99.6	99.6	99.6	99.7	
IV 100	63.1	80.7	83.5	94.1	94.5	95.9	97.5	98.5	98.8	99.2	99.3	99.6	99.6	99.6	99.7	
IV 0	63.1	80.7	83.5	94.1	94.5	95.9	97.5	98.5	98.8	99.2	99.3	99.6	99.6	99.6	99.7	

TOTAL NUMBER OF OBSERVATIONS 2065

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20540  
 AIR FORCE SERVICE/440

# CEILING VERSUS VISIBILITY

STATION NO. 73 STATION NAME WINDY HILL TOWER KD YEARS 73-75-79 MONTH 07

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

070-0700  
 HOURS 157

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING															
≥ 20000	31.7	43.4	45.2	51.9	53.2	53.7	55.3	55.5	56.6	56.4	56.6	57.6	56.0	57.1	57.1
IV 18000	34.2	47.8	49.6	57.3	58.9	59.6	61.2	61.4	62.5	62.7	62.5	62.5	62.5	63.1	62.6
IV 16000	34.2	47.8	49.9	57.4	59.9	61.4	62.0	62.2	63.2	63.7	63.0	63.2	63.2	63.2	63.5
IV 14000	34.4	48.2	51.4	59.1	61.7	61.4	63.0	63.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 12000	35.2	48.2	51.9	59.6	61.2	62.1	63.3	63.6	64.3	64.3	64.3	64.3	64.3	65.3	65.3
IV 10000	36.1	50.1	52.4	60.2	63.8	65.3	66.6	67.1	68.1	68.1	68.1	68.1	68.1	68.1	68.6
IV 9000	36.2	51.9	54.3	64.0	65.6	67.1	68.6	68.9	69.9	69.9	69.9	69.9	69.9	71.4	71.4
IV 8000	38.3	54.4	57.1	66.8	66.4	70.2	71.7	72.7	73.1	73.1	73.1	73.1	73.1	73.5	73.5
IV 7000	38.8	54.4	58.1	67.9	69.4	71.2	72.8	73.1	74.1	74.1	74.1	74.1	74.1	74.9	74.9
IV 6000	39.1	55.7	58.4	69.4	69.9	71.7	73.3	73.5	74.6	74.6	74.6	74.6	74.6	75.1	75.1
IV 5000	39.8	56.7	59.9	69.9	71.5	73.3	74.8	75.1	76.1	76.1	76.1	76.1	76.1	76.6	76.6
IV 4500	40.1	56.7	60.2	70.4	72.0	74.0	75.6	75.6	76.9	76.9	76.9	76.9	76.9	77.4	77.4
IV 4000	40.8	58.4	61.7	72.0	73.5	75.6	77.1	77.4	78.4	78.4	78.4	78.4	78.4	78.9	78.9
IV 3500	41.4	58.4	62.2	72.5	74.1	76.1	77.6	77.9	78.9	78.9	78.9	78.9	78.9	79.4	79.4
IV 3000	42.4	61.2	64.5	75.1	77.2	80.2	82.3	82.5	83.5	83.5	83.5	83.5	83.5	84.1	84.1
IV 2500	43.7	62.7	65.8	77.9	79.7	82.7	84.1	84.3	85.3	85.3	85.3	85.3	85.3	85.9	85.9
IV 2000	44.2	63.7	67.1	80.5	82.3	85.6	87.9	88.1	89.7	89.7	89.7	89.7	89.7	90.2	90.2
IV 1800	45.2	64.7	67.4	80.7	82.5	85.9	88.2	88.4	90.1	90.1	90.1	90.1	90.1	90.7	90.7
IV 1500	45.5	64.5	67.9	81.5	83.8	87.1	89.2	89.2	91.8	91.8	91.8	91.8	91.8	92.3	92.3
IV 1200	45.8	64.5	68.1	81.7	84.1	87.7	90.5	90.7	92.3	92.3	92.3	92.3	92.3	92.8	92.8
IV 1000	46.3	65.3	68.4	82.0	84.3	87.9	90.7	91.1	92.5	92.5	92.5	92.5	92.5	93.1	93.1
IV 900	46.3	65.3	68.6	82.3	84.6	88.2	91.0	91.3	92.6	92.6	92.6	92.6	92.6	93.1	93.1
IV 800	47.0	65.1	69.7	83.3	85.9	89.5	92.3	92.5	94.1	94.1	94.1	94.1	94.1	94.6	94.6
IV 700	47.0	65.1	69.7	83.3	85.9	89.5	92.3	92.5	94.1	94.1	94.1	94.1	94.1	94.6	94.6
IV 600	47.0	65.1	69.7	83.3	85.9	89.5	92.3	92.5	94.1	94.1	94.1	94.1	94.1	94.6	94.6
IV 500	47.0	66.1	69.7	83.3	85.9	89.5	92.3	92.5	94.1	94.1	94.1	94.1	94.1	94.6	94.6
IV 400	47.0	66.1	69.7	83.3	85.9	89.7	92.8	93.3	94.9	94.9	94.9	94.9	94.9	95.4	95.4
IV 300	47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.1	95.1	95.9	95.9
IV 200	47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.1	95.1	95.9	95.9
IV 100	47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.1	95.1	95.9	95.9
IV 0	47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.1	95.1	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 139

FEDERAL AVIATION ADMINISTRATION  
 NATIONAL METEOROLOGICAL SERVICE  
 WASHINGTON, D.C. 20535

# CEILING VERSUS VISIBILITY

STATION: WPA-NI LANGF KO

PERIOD: 68-70, 73-79

44

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

977-1100  
 HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15
NO CEILING	44.4	45.7	48.7	51.2	56.5	56.5	57.4	57.1	57.4	57.4	57.4	57.8	57.8	57.7	58.7	58.2
≥ 20000	43.7	53.4	57.5	62.1	64.4	64.4	65.6	66.7	69.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4
≥ 18000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 16000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 14000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 12000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 10000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 9000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 8000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 7000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 6000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 5000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 4500	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 4000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 3500	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 3000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 2500	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 2000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 1800	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 1500	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 1200	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 1000	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 900	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 800	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 700	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 600	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 500	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 400	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 300	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 200	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 100	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4
≥ 0	44.7	57.1	60.5	64.7	65.0	65.2	66.2	66.8	66.3	66.4	66.4	66.4	66.4	66.4	67.1	67.4

TOTAL NUMBER OF OBSERVATIONS: 977

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE 7740

# CEILING VERSUS VISIBILITY

STATION WINDY HARBOR RD STATION NAME WINDY HARBOR RD YEARS 5-73, 73-79 MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS - LT

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1	
NO CEILING																	
IV 20000	43.1	54.0	54.9	55.5	56.5	56.5	57.1	57.1	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	
IV 18000	51.1	63.7	63.4	63.8	64.7	64.7	65.6	64.6	64.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	
IV 16000	54.5	67.2	66.1	67.8	67.9	68.9	71.5	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	
IV 14000	58.9	67.4	63.4	71.1	71.2	71.2	71.6	71.6	71.6	72.3	72.1	72.1	72.1	72.1	72.1	72.1	
IV 12000	59.4	68.7	64.6	72.3	72.4	72.4	73.1	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	
IV 10000	62.2	72.1	72.9	72.3	76.3	76.6	77.2	77.2	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.5	
IV 9000	62.7	72.7	73.6	73.1	77.1	77.2	77.4	78.5	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	
IV 8000	63.6	74.7	75.7	75.5	79.8	79.7	80.5	81.5	81.5	81.5	81.7	81.8	81.8	81.8	81.8	81.8	
IV 7000	63.2	76.3	77.5	81.4	81.7	81.9	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	
IV 6000	65.6	77.3	76.3	81.2	82.3	82.6	83.2	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	
IV 5000	67.7	73.7	75.9	83.8	84.1	84.3	84.9	84.9	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	
IV 4500	67.8	73.7	75.8	84.4	84.7	84.9	85.5	85.5	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	
IV 4000	68.4	81.4	81.6	85.6	86.1	86.2	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	
IV 3500	69.8	81.7	82.8	87.0	87.4	87.6	88.2	88.2	88.2	88.3	88.5	88.6	88.6	88.6	88.6	88.6	
IV 3000	71.2	84.5	85.6	91.0	90.4	90.6	91.2	91.2	91.2	91.5	91.6	91.8	91.8	91.8	91.8	91.8	
IV 2500	72.3	84.7	85.9	91.4	91.9	91.2	91.8	91.8	91.8	92.1	92.2	92.4	92.4	92.4	92.4	92.4	
IV 2000	72.6	85.8	86.6	91.7	91.3	92.1	92.7	92.4	92.7	92.5	94.0	94.0	94.0	94.0	94.0	94.0	
IV 1800	72.6	86.1	87.1	91.8	92.2	91.5	93.4	93.4	93.4	94.2	94.2	94.5	94.5	94.5	94.5	94.5	
IV 1500	73.1	85.7	87.7	92.8	93.3	93.7	94.6	95.1	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	
IV 1200	73.2	87.3	88.3	93.7	94.2	94.6	95.8	96.1	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	
IV 1000	73.5	87.3	88.6	94.5	94.9	95.4	96.3	96.7	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	
IV 900	73.9	87.4	88.6	94.5	94.9	95.4	96.3	96.7	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	
IV 800	73.6	87.6	88.6	94.5	94.9	95.4	96.3	96.9	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	
IV 700	73.2	87.6	88.6	94.5	94.9	95.4	96.3	96.7	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	
IV 600	73.9	87.7	88.9	94.9	95.5	96.0	96.9	97.5	97.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	
IV 500	73.9	87.7	88.9	94.9	95.5	96.0	96.9	97.5	97.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	
IV 400	74.2	89.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.4	99.6	99.7	99.7	
IV 300	74.7	89.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.4	99.6	99.7	99.7	
IV 200	74.2	89.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.4	99.6	99.7	99.7	
IV 100	74.2	89.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.4	99.6	99.7	99.7	
IV 0	74.2	89.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.4	99.6	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS 667

FEDERAL AVIATION ADMINISTRATION  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20586  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. 13 STATION NAME KICN-NI KANGL KO

PERIOD 68-70, 73-79

MONTHS MA

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	55.0	55.0	55.0	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 20000	55.0	55.0	55.0	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 18000	66.3	71.4	71.7	73.3	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 16000	67.0	71.7	71.8	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	67.0	71.7	71.8	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 12000	67.0	71.7	71.8	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000	71.4	74.5	75.0	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	71.4	74.5	75.0	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 8000	71.4	74.5	75.0	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 7000	71.4	74.5	75.0	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000	71.4	74.5	75.0	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 5000	71.4	74.5	75.0	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4500	75.8	82.1	82.7	86.5	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4000	75.8	82.1	82.7	86.5	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3500	74.1	84.8	85.4	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 3000	81.4	84.8	85.4	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	81.4	84.8	85.4	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	82.6	91.0	91.0	94.9	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1800	82.6	91.0	91.0	94.9	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	82.6	91.0	91.0	94.9	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1200	83.2	91.0	91.7	95.6	95.6	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	83.2	91.0	91.7	95.6	95.6	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	83.6	91.0	92.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	83.6	91.0	92.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	83.6	91.0	92.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	83.6	91.0	92.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	83.6	91.0	92.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	84.3	91.0	92.7	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 300	84.3	91.0	92.7	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	84.3	91.0	92.7	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	84.3	91.0	92.7	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	84.3	91.0	92.7	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 351



UNITED STATES AIR FORCE  
 14-57400-1  
 1-64

# CEILING VERSUS VISIBILITY

STATION: WON-41 RANGE RD YEAR: 63-70, 73-75 MONTH: ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05
NO CEILING	44.2	51.7	57.4	61.0	64.3	66.7	67.1	67.2	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6
IV 20000	41.4	48.9	51.7	56.0	58.4	58.5	57.3	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 18000	37.3	41.8	47.9	47.5	47.9	48.0	45.9	49.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 16000	32.5	32.4	33.4	35.1	38.5	38.6	39.4	39.6	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 14000	23.7	23.7	24.6	27.4	27.8	27.9	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
IV 12000	24.5	24.7	25.3	27.1	27.5	27.6	22.5	22.6	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0
IV 10000	25.1	25.4	27.7	27.4	23.4	23.8	24.2	25.0	25.2	25.5	25.5	25.6	25.6	25.6	25.6	25.6
IV 9000	26.5	27.3	28.7	24.4	24.3	25.3	26.1	25.5	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7
IV 8000	27.5	28.3	27.7	25.7	27.1	27.6	28.5	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0
IV 7000	28.7	27.3	27.2	27.3	28.8	29.3	29.2	29.4	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 6000	29.2	27.3	27.7	27.9	29.3	29.0	29.7	29.3	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 5000	28.5	27.3	24.4	27.6	27.0	27.6	22.5	22.6	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0
IV 4500	22.9	23.7	24.9	21.2	1.7	27.7	23.1	23.3	23.3	23.6	23.7	23.7	23.7	23.7	23.7	23.7
IV 4000	21.8	24.7	25.2	22.6	23.2	23.7	24.5	24.6	25.0	25.1	25.2	25.2	25.2	25.2	25.2	25.2
IV 3500	23.7	26.3	27.3	24.1	24.6	25.3	26.1	26.2	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7
IV 3000	24.9	25.4	27.1	27.7	27.9	28.3	29.3	29.4	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
IV 2500	25.6	27.4	27.1	27.2	28.9	29.5	29.5	29.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 2000	26.3	27.4	27.2	28.6	29.3	29.1	22.4	22.7	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4
IV 1800	26.2	27.7	27.1	28.8	29.3	29.1	22.6	22.7	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6
IV 1500	26.3	27.1	27.3	27.8	29.1	22.5	23.9	24.2	24.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
IV 1200	27.3	27.4	23.0	21.1	22.3	23.0	24.3	24.7	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4
IV 1000	27.3	27.7	23.4	21.6	22.6	23.6	25.0	25.4	26.0	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 900	27.3	27.7	23.4	21.6	22.6	23.6	25.0	25.4	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 800	27.4	27.8	23.5	21.7	22.7	23.7	25.1	25.6	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 700	27.6	27.1	23.8	20.1	23.1	24.2	25.6	26.1	26.8	27.0	27.1	27.1	27.1	27.1	27.1	27.1
IV 600	27.6	27.7	23.9	22.3	23.3	24.4	25.8	26.3	27.0	27.2	27.3	27.3	27.3	27.3	27.3	27.3
IV 500	27.6	27.7	23.9	22.3	23.3	24.4	25.8	26.3	27.0	27.2	27.3	27.3	27.3	27.3	27.3	27.3
IV 400	27.9	27.7	24.1	22.6	23.6	24.7	26.2	26.8	27.6	27.9	28.0	28.0	28.0	28.0	28.0	28.0
IV 300	27.7	27.7	24.2	22.7	23.8	24.9	26.4	27.0	27.9	28.1	28.2	28.2	28.2	28.2	28.2	28.2
IV 200	27.9	27.7	24.2	22.7	23.8	24.9	26.4	27.0	27.9	28.1	28.2	28.2	28.2	28.2	28.2	28.2
IV 100	27.7	27.7	24.2	22.7	23.8	24.9	26.4	27.0	27.9	28.1	28.2	28.2	28.2	28.2	28.2	28.2
IV 0	27.7	27.7	24.2	22.7	23.8	24.9	26.4	27.0	27.9	28.1	28.2	28.2	28.2	28.2	28.2	28.2

TOTAL NUMBER OF OBSERVATIONS 2527

NATIONAL METEOROLOGICAL SERVICE  
 AIR FORCE  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: ALUN-NI RANGE K3 STATION NAME: ALUN-NI RANGE K3 YEARS: 66-70, 73-79 MONTH: APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

66-70-1000  
 HOURS: 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING ≥ 20000	20.0	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IVM 18000 16000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 14000 12000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 10000 9000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 8000 7000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 6000 5000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 4500 4000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 3500 3000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 2500 2000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 1800 1500	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 1200 1000	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 900 800	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 700 600	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 500 400	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 300 200	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IVM 100 0	40.0	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

TOTAL NUMBER OF OBSERVATIONS: 395

# CEILING VERSUS VISIBILITY

UNITED STATES AIR FORCE  
COMMUNICATIONS CENTER  
COMMUNICATIONS SERVICE CENTER

STATION NAME: P. ON-HI RANGE NO.

YEARS: 6-7, 75-79

APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9-11-11  
HOURS: 11

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	45.7	55.8	58.3	57.2	57.2	57.4	57.4	57.4	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 20000	55.9	64.5	68.1	67.2	67.2	67.3	67.3	67.5	67.8	67.5	67.9	68.1	68.1	68.1	68.2	68.2
IV 18000	56.7	65.8	68.1	67.2	67.2	67.4	68.4	68.5	68.8	68.9	68.9	69.1	69.1	69.1	69.2	69.2
IV 16000	55.8	65.8	68.1	67.2	67.2	68.4	68.4	68.5	68.8	68.8	68.8	68.8	69.1	69.1	69.1	69.2
IV 14000	57.2	66.7	68.7	67.9	68.9	69.1	69.1	69.2	69.5	69.7	69.7	69.8	69.8	69.8	69.8	70.0
IV 12000	57.7	67.8	67.3	69.4	69.4	69.5	69.5	69.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 10000	69.4	69.8	70.3	72.1	72.1	72.2	72.2	72.4	72.7	72.8	72.8	73.0	73.0	73.0	73.1	73.1
IV 9000	59.9	71.7	70.9	73.0	73.0	73.1	73.1	73.3	73.6	73.7	73.7	73.8	73.8	73.8	73.8	74.4
IV 8000	52.7	73.7	73.8	75.4	75.4	76.5	76.5	76.7	77.7	77.1	77.1	77.3	77.3	77.3	77.3	77.4
IV 7000	63.9	74.4	75.8	77.6	77.6	78.0	78.0	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.9
IV 6000	64.3	75.2	76.3	77.9	77.9	78.7	78.7	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.0
IV 5000	65.4	75.7	76.8	78.3	78.3	79.3	79.3	79.3	79.9	80.2	80.4	80.4	80.5	80.5	80.5	80.7
IV 4500	65.8	76.1	77.3	78.5	78.5	79.9	79.9	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.8
IV 4000	66.4	77.0	78.0	80.5	80.5	81.0	81.0	81.1	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.9
IV 3500	67.5	78.9	79.0	81.6	81.6	82.0	82.0	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.9
IV 3000	69.1	80.7	80.7	83.2	83.2	83.7	83.7	83.9	84.1	84.2	84.2	84.4	84.4	84.4	84.5	84.7
IV 2500	71.1	82.1	82.9	85.4	85.4	86.0	86.0	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.9	87.1
IV 2000	71.5	83.5	84.0	87.4	87.4	88.1	88.5	88.6	89.9	90.0	90.0	90.0	90.2	90.2	90.3	90.5
IV 1800	71.5	83.5	84.0	87.4	87.4	88.1	88.5	88.6	89.9	90.0	90.0	90.0	90.2	90.2	90.3	90.5
IV 1500	72.7	85.0	85.4	89.3	89.3	90.0	90.4	91.4	91.6	91.6	92.0	92.0	92.0	92.1	92.3	92.4
IV 1200	73.3	85.7	86.8	90.8	90.8	91.5	92.0	93.2	93.5	93.8	93.9	94.1	94.1	94.1	94.4	94.5
IV 1000	73.8	86.3	87.2	91.2	91.2	92.1	92.5	94.1	94.5	94.8	94.9	94.9	95.1	95.1	95.4	95.5
IV 900	73.8	86.3	87.2	91.2	91.2	92.1	92.5	94.1	94.5	94.8	94.9	94.9	95.1	95.1	95.4	95.5
IV 800	73.8	86.3	87.2	91.2	91.2	92.1	92.5	94.1	94.5	94.8	94.9	94.9	95.1	95.1	95.4	95.5
IV 700	74.7	87.1	88.1	92.7	92.7	93.6	95.1	96.0	96.4	96.7	96.9	96.9	97.0	97.0	97.3	97.5
IV 600	74.7	87.1	88.1	92.7	92.7	93.6	95.1	96.0	96.4	96.7	96.9	96.9	97.0	97.0	97.3	97.5
IV 500	74.0	87.1	88.1	92.7	92.7	93.8	95.2	96.1	96.7	97.0	97.2	97.2	97.3	97.3	97.6	97.8
IV 400	74.1	87.2	88.3	92.9	92.9	93.9	95.5	96.4	97.0	97.3	97.5	97.5	97.6	97.6	97.9	98.1
IV 300	74.1	87.2	88.3	92.9	92.9	93.9	95.5	96.4	97.0	97.5	97.8	97.9	98.4	98.5	99.1	99.6
IV 200	74.1	87.2	88.3	92.9	92.9	93.9	95.5	96.4	97.0	97.5	97.8	97.9	98.4	98.5	99.1	99.6
IV 100	74.1	87.2	88.3	92.9	92.9	93.9	95.5	96.4	97.0	97.5	97.8	97.9	98.4	98.5	99.1	99.6
IV 0	74.1	87.2	88.3	92.9	92.9	93.9	95.5	96.4	97.0	97.5	97.8	97.9	98.4	98.5	99.1	99.6

TOTAL NUMBER OF OBSERVATIONS: 672

GENERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 63-70, 73-79 STATION NAME ACON-NI RANGE MO YEARS 63-70, 73-79 MONTH APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12.0-140  
HOURS 151

CEILING- FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	53.0	56.5	56.8	58.2	58.2	59.2	58.2	58.2	58.2	58.3	58.2	58.3	58.3	58.3	58.3	58.3
IV 20000	64.8	65.9	69.2	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 18000	65.8	70.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.8	71.8	71.8	71.8	71.8	71.8
IV 16000	65.8	71.0	71.3	71.9	71.8	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 14000	67.1	71.2	71.5	73.0	73.0	73.0	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 12000	68.0	72.7	72.0	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 10000	71.3	76.1	76.4	78.1	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 9000	71.3	75.1	76.4	78.1	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 8000	74.5	78.6	78.9	80.6	80.6	80.6	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 7000	75.7	79.8	80.1	81.9	81.9	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 6000	75.3	80.4	80.7	82.5	82.5	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	77.7	81.6	81.9	83.8	83.8	83.8	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4500	77.7	81.6	82.1	83.9	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4000	79.0	83.0	83.5	85.3	85.3	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3500	79.3	84.0	84.7	86.5	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	80.9	86.4	86.7	88.7	88.7	88.7	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	81.9	87.4	87.7	89.7	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	84.0	90.0	90.7	93.6	93.6	93.6	94.0	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	84.1	90.0	90.7	93.6	93.6	94.0	94.2	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	84.2	90.0	91.6	94.5	94.5	95.1	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	84.4	91.0	91.9	94.9	94.9	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	85.0	91.7	92.0	95.7	95.7	96.5	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 900	85.6	92.3	93.3	96.5	96.6	97.2	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	85.6	92.3	93.3	96.5	96.6	97.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 700	85.6	92.3	93.3	96.5	96.6	97.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	85.6	92.3	93.7	96.6	96.8	97.5	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	85.8	92.6	93.7	97.1	97.2	98.0	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 400	85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 653

WORLD WEATHER SERVICE  
 STATION SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME: UN-MI-HANSE, KC

YEARS: 68-70, 73-79

MONTH: APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING ≥ 20000	55.1	58.4	59.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV ≥ 18000 IV ≥ 16000	67.7	69.1	69.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000 IV 12000	71.2	72.4	73.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000 IV 9000	74.3	75.7	76.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000 IV 7000	75.7	76.6	77.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000 IV 5000	81.8	82.2	82.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500 IV 4000	84.1	84.1	84.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3500 IV 3000	86.4	86.4	86.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500 IV 2000	89.4	89.4	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1800 IV 1500	91.4	91.4	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1200 IV 1000	92.1	92.1	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900 IV 800	92.3	92.3	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700 IV 600	92.3	92.3	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500 IV 400	92.4	92.4	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 300 IV 200	93.0	93.0	94.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100 IV 0	93.0	93.0	94.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS: 571

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

4-73  
 STATION

KOON-NI RANGE MO  
 STATION NAME

68-70, 73-79  
 YEARS

ALL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		49.1	54.7	54.5	56.8	56.9	57.0	57.1	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.7
≥ 20000		50.7	64.2	65.2	67.6	67.7	67.8	68.0	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.5
IV 18000		59.6	69.9	66.2	68.6	68.7	68.8	69.0	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.5
IV 16000		59.9	63.2	66.2	68.7	68.8	68.9	69.0	69.1	69.3	69.3	69.4	69.5	69.5	69.5	69.6
IV 14000		61.5	66.8	67.2	69.7	69.8	69.9	70.0	70.1	70.3	70.3	70.4	70.5	70.5	70.5	70.6
IV 12000		61.7	63.1	68.5	71.0	71.1	71.2	71.3	71.5	71.6	71.6	71.7	71.8	71.8	71.9	71.9
IV 10000		64.2	71.9	71.3	74.1	74.2	74.3	74.5	74.6	74.7	74.8	74.8	74.9	74.9	74.9	75.0
IV 9000		64.6	71.5	71.9	74.7	74.8	74.9	75.1	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.6
IV 8000		67.5	74.6	75.1	77.9	78.0	78.2	78.3	78.5	78.6	78.7	78.7	78.8	78.8	78.8	78.9
IV 7000		66.3	75.1	76.5	79.4	79.5	79.8	79.9	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.5
IV 6000		69.4	76.4	77.0	80.0	80.1	80.3	80.5	80.7	80.8	80.9	80.9	81.0	81.0	81.0	81.1
IV 5000		70.5	77.9	78.3	81.3	81.4	81.6	81.8	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.4
IV 4500		70.7	73.2	73.8	81.5	81.6	81.9	82.1	82.2	82.4	82.4	82.5	82.6	82.6	82.6	82.7
IV 4000		71.7	79.4	79.9	82.9	82.9	83.2	83.4	83.6	83.7	83.7	83.8	83.9	83.9	83.9	84.0
IV 3500		72.6	80.2	80.6	84.1	84.2	84.4	84.6	84.8	84.9	84.9	85.0	85.1	85.1	85.1	85.2
IV 3000		74.6	82.6	83.1	86.3	86.4	86.6	86.8	87.0	87.1	87.2	87.2	87.3	87.3	87.3	87.5
IV 2500		75.7	83.6	84.4	87.7	87.9	88.0	88.3	88.5	88.6	88.7	88.7	88.8	88.8	88.9	89.0
IV 2000		76.7	85.2	85.9	89.9	90.4	91.2	91.4	91.7	91.8	91.9	91.9	92.0	92.0	92.0	92.2
IV 1800		76.8	85.3	86.0	90.0	90.5	91.3	91.5	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.3
IV 1500		77.4	86.2	86.7	91.2	91.7	92.8	93.0	93.3	93.4	93.5	93.5	93.6	93.6	93.6	93.8
IV 1200		77.8	86.5	87.7	92.1	92.6	93.7	94.0	94.4	94.5	94.6	94.6	94.7	94.7	94.8	94.9
IV 1000		73.1	87.1	88.2	92.6	93.2	94.3	94.7	95.2	95.3	95.4	95.4	95.5	95.5	95.6	95.7
IV 900		78.5	87.7	88.9	93.4	94.0	95.2	95.6	96.0	96.2	96.3	96.3	96.4	96.4	96.5	96.6
IV 800		73.5	87.8	89.0	93.6	94.2	95.4	95.9	96.3	96.5	96.6	96.6	96.6	96.7	96.8	97.0
IV 700		78.6	87.9	89.1	93.7	94.3	95.6	96.1	96.6	96.7	96.8	96.8	96.8	97.0	97.0	97.0
IV 600		74.6	87.9	89.1	93.8	94.4	95.6	96.2	96.6	96.8	96.9	96.9	97.0	97.0	97.1	97.3
IV 500		73.7	88.1	89.3	94.0	94.6	96.0	96.5	97.1	97.3	97.3	97.4	97.6	97.6	97.7	98.0
IV 400		78.9	88.2	89.5	94.2	94.9	96.3	97.0	97.6	97.8	97.9	97.9	98.1	98.1	98.2	98.5
IV 300		73.9	88.2	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.0	98.5	98.5	98.8	99.3
IV 200		72.9	88.2	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.1	98.6	98.7	99.0	99.8
IV 100		73.9	88.3	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.1	98.6	98.7	99.0	99.9
IV 0		73.9	88.3	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.1	98.6	98.7	99.0	99.9

TOTAL NUMBER OF OBSERVATIONS 2293

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

# CEILING VERSUS VISIBILITY

STATION: ALON-VI RANGE KJ YEARS: 53-70, 73-79 MONTH: MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD: 1953-1979  
 HOURS: 157

CEILING FEET	VISIBILITY - STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	46.4	46.4	46.8	47.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 20000	46.4	54.4	54.5	57.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 18000	46.4	54.4	55.5	57.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 16000	47.1	54.4	55.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 14000	48.9	57.3	57.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	50.9	57.3	57.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 10000	54.4	61.6	61.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 9000	55.7	63.9	63.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	56.5	67.3	67.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 7000	56.5	67.3	67.5	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 6000	57.9	69.7	69.7	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	58.6	70.3	70.3	73.7	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500	59.3	71.1	71.1	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4000	59.3	72.0	72.0	77.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3500	61.1	72.0	72.9	78.7	79.0	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3000	62.4	74.4	74.7	80.1	81.2	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 2500	63.2	76.0	76.2	82.4	83.6	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 2000	63.7	76.7	77.1	84.4	85.7	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800	63.7	76.7	77.2	84.7	85.9	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1500	65.5	79.0	79.5	87.2	88.5	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1200	66.5	81.1	81.1	88.7	90.7	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	66.5	81.1	81.6	90.0	91.3	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 900	66.5	81.1	82.1	90.3	91.6	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 800	67.3	81.6	82.0	90.8	92.3	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 700	67.3	81.6	83.1	91.3	92.8	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 600	67.3	81.6	83.0	91.8	93.4	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 500	67.5	82.4	84.1	92.6	94.1	94.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 400	67.5	82.4	84.1	92.6	94.1	94.9	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 300	67.5	82.4	84.1	92.6	94.1	95.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 200	67.5	82.4	84.1	92.6	94.1	95.4	96.4	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	67.5	82.4	84.1	92.6	94.1	95.4	96.4	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	67.5	82.4	84.1	92.6	94.1	95.4	96.4	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 391

REGIONAL CLIMATE DIVISION BRANCH  
 WASHINGTON, D.C.  
 FEDERAL WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 13 WAGON-NI RANGE RD STATION NAME: 65-70, 73-79 YEARS: 44 MONTH: MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1965-1966  
 HOURS: 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	48.9	54.8	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1
≥ 20000	50.8	53.4	53.4	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0
IV 8000	57.3	61.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.7
IV 16000	57.4	64.0	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.8	64.8	64.8
IV 14000	55.0	64.7	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4
IV 12000	51.0	67.7	67.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5
IV 10000	63.5	71.9	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.7	72.7
IV 9000	64.4	71.9	72.5	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3
IV 8000	56.4	74.7	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1
IV 7000	67.5	75.0	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	76.9
≥ 6000	63.2	76.1	76.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.8	77.8
≥ 5000	55.1	77.2	78.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.5	79.5
≥ 4500	59.6	77.8	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8
≥ 4000	70.7	78.7	79.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.6	81.6	81.6	81.6
IV 3500	71.8	79.8	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.9	82.9	82.9	82.9
IV 3000	72.9	80.7	82.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	85.0	85.0	85.0	85.0
IV 2500	73.4	81.1	83.5	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.6	86.6	86.6	86.6
IV 2000	74.5	83.6	85.7	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.3	88.3	88.3	88.3
IV 1800	74.7	84.0	85.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.7	88.7	88.7	88.7
IV 1500	75.3	85.2	86.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	91.7	91.7	91.7	91.7
IV 1200	75.4	86.4	87.8	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	93.1	93.1	93.1	93.1
IV 1000	75.5	87.0	88.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.9	94.9	94.9	94.9
IV 900	76.5	87.2	89.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.9	94.9	94.9	94.9
IV 800	76.7	87.2	88.6	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	95.2	95.2	95.2	95.2
IV 700	76.9	87.3	88.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	95.5	95.5	95.5	95.5
IV 600	77.3	89.3	89.8	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	97.1	97.1	97.1	97.1
IV 500	77.9	88.7	90.3	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	98.1	98.1	98.1	98.1
IV 400	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	98.3	98.3	98.3	98.3
IV 300	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.1	99.1	99.1	99.1
IV 200	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.5	99.5	99.5	99.5
IV 100	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.1	99.1	99.1	99.1
IV 0	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 643



AIR FORCE  
 AIRCRAFT DETAILING SECTION  
 AIRCRAFT SERVICE/7740

### CEILING VERSUS VISIBILITY

STATION: HIGH-RI RANGE KS      YEAR: 68-77, 73-79      MONTH: MAY

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

1200-1400  
 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	58.1	59.1	58.9	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	65.6	67.7	65.7	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 18000	66.1	67.7	68.8	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	66.1	67.7	68.8	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	66.1	69.6	69.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	71.2	74.1	74.1	74.9	75.1	75.1	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000	73.6	77.3	77.4	78.2	78.4	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	75.2	78.7	78.8	79.6	79.8	79.8	79.9	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	76.4	80.1	81.9	82.7	82.1	82.1	82.3	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
IV 7000	77.3	81.3	81.5	82.6	82.8	82.8	82.8	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	78.7	82.4	82.9	84.0	84.2	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6
IV 5000	81.5	84.3	84.8	85.9	86.1	86.1	86.2	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5
IV 4500	82.7	84.5	85.0	86.1	86.2	86.2	86.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7
IV 4000	82.9	85.7	85.2	87.5	87.6	87.6	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3500	83.6	86.4	86.8	88.6	88.7	88.7	88.9	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	83.9	87.5	88.2	90.4	90.6	90.6	90.9	91.1	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	85.1	88.9	89.5	91.3	92.5	92.5	92.8	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3
IV 2000	85.9	89.7	91.3	93.3	93.4	93.4	93.7	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800	86.1	89.8	91.4	93.4	93.6	93.6	93.9	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	86.7	91.7	91.5	95.6	95.3	95.3	96.1	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	87.1	91.4	91.8	95.9	96.1	96.1	96.4	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	87.1	91.4	92.0	96.2	96.7	96.7	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	87.1	91.4	92.0	96.2	96.7	96.7	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	87.1	91.4	92.0	96.2	96.7	96.7	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
IV 700	87.6	91.4	92.6	96.9	97.3	97.3	98.0	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	88.1	91.4	93.1	97.6	98.1	98.1	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	88.1	91.4	93.3	97.8	98.3	98.3	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	88.1	91.4	93.3	97.8	98.3	98.3	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	88.1	91.4	93.3	97.8	98.3	98.3	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	88.1	91.4	93.3	97.8	98.3	98.3	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	88.1	91.4	93.3	97.8	98.3	98.3	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	88.1	91.4	93.3	97.8	98.3	98.3	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 638

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

ADCN-NI RANGE KO

STATION NAME

66-70,73-79

YEARS

MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥5/16	¼	≥0
NO CEILING	71.6	67.7	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 20000	72.3	73.3	73.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 18000	72.4	73.7	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 16000	72.4	73.7	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 14000	73.7	75.3	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3
IV 12000	77.0	75.3	75.7	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.6	79.6	79.6
IV 10000	81.3	82.3	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.9	83.9	83.9
IV 9000	81.8	83.3	84.3	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.1	85.1	85.2	85.2	85.2
IV 8000	82.9	84.0	85.5	86.6	86.6	86.6	86.6	86.6	86.6	86.9	86.9	86.9	86.9	87.1	87.1	87.1
IV 7000	82.9	84.0	85.5	86.6	86.6	86.6	86.6	86.6	86.6	86.9	86.9	86.9	86.9	87.1	87.1	87.1
IV 6000	83.7	85.3	85.3	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.8	87.8	87.8
IV 5000	86.5	88.4	89.4	90.5	90.7	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	91.1	91.1	91.1
IV 4500	87.7	89.7	89.6	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9	92.1	92.1	92.1
IV 4000	87.4	89.7	90.0	91.1	91.3	91.3	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.7	91.7	91.7
IV 3500	87.9	89.3	90.5	91.7	91.8	92.0	92.0	92.0	92.0	92.1	92.2	92.4	92.5	92.6	92.6	92.6
IV 3000	88.3	89.7	91.3	92.4	92.6	92.9	92.9	92.9	92.9	93.1	93.3	93.5	93.7	93.7	93.7	93.7
IV 2500	89.8	91.7	92.6	93.9	94.1	94.4	94.4	94.4	94.4	94.6	94.8	95.0	95.2	95.2	95.2	95.2
IV 2000	90.7	92.3	93.7	95.0	95.2	95.5	95.5	95.5	95.5	95.7	95.9	96.1	96.3	96.3	96.3	96.3
IV 1800	90.7	92.3	93.7	95.0	95.2	95.5	95.5	95.5	95.5	95.7	95.9	96.1	96.3	96.5	96.7	96.7
IV 1500	90.9	92.7	94.6	95.9	96.1	97.2	97.2	97.4	97.4	97.6	97.8	98.0	98.1	98.1	98.1	98.1
IV 1200	90.9	93.3	94.0	95.9	96.1	97.2	97.4	97.4	97.4	97.6	97.8	98.0	98.1	98.1	98.1	98.1
IV 1000	91.3	93.3	95.2	96.5	96.7	98.0	98.1	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
IV 900	91.3	93.3	95.2	96.5	96.7	98.0	98.1	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
IV 800	91.5	93.9	95.2	96.5	96.7	98.0	98.1	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
IV 700	91.5	93.9	95.2	96.5	96.7	98.0	98.1	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
IV 600	91.5	94.1	95.4	96.7	96.9	98.1	98.3	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3
IV 500	91.5	94.1	95.4	96.7	96.8	98.1	98.3	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3
IV 400	91.5	94.1	95.4	96.7	96.8	98.1	98.3	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3
IV 300	91.5	94.1	95.4	96.7	96.8	98.1	98.3	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3
IV 200	91.5	94.1	95.4	96.7	96.8	98.1	98.3	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3
IV 100	91.5	94.1	95.4	96.7	96.8	98.1	98.3	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3
IV 0	91.5	94.1	95.4	96.7	96.8	98.1	98.3	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 534

WIND METEOROLOGICAL  
 STATION  
 IDENTIFICATION SERVICE FILE

# CEILING VERSUS VISIBILITY

STATION NO. 73 WIND-MET STATION NAME WIND-MET STATION NAME -73-73-79 YEARS MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS EST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 20000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 18000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 16000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 14000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 12000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 10000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 9000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 8000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 7000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 6000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 5000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 4500	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 4000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 3500	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 3000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 2500	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 2000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 1800	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 1500	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 1200	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 1000	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 900	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 800	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 700	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 600	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 500	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 400	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 300	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 200	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 100	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5
≥ 0	67.7	66.7	65.5	64.5	63.5	62.5	61.5	60.5	59.5	58.5	57.5	56.5	55.5	54.5	53.5	52.5

TOTAL NUMBER OF OBSERVATIONS 218

FEDERAL AVIATION ADMINISTRATION  
 METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: WFO-N41 RANCF R3 YEARS: 6-70, 73-77 MONTH: JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6602-1000  
 HOURS: 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 18000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 16000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 14000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 12000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 10000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 9000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 8000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 7000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 6000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 5000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 4500	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 4000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 3500	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 3000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 2500	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 2000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1800	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1500	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1200	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1000	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 900	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 800	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 700	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 600	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 500	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 400	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 300	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 200	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 100	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 0	27.4	37.6	38.8	43.9	44.2	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7

TOTAL NUMBER OF OBSERVATIONS: 304

LOCAL OBSERVATION POINT  
 STATION  
 STATION NUMBER

# CEILING VERSUS VISIBILITY

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.0
NO CEILING ≥ 20000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 18000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 16000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 14000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 12000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 10000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 9000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 8000	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	51.7	51.7
IV 6000	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	51.7	51.7
IV 5000	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	51.7	51.7
IV 4500	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 4000	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 3500	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 3000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 2500	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 2000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 1800	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 1500	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 1200	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 1000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 900	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 800	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 700	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 600	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 500	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 400	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 300	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 200	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 100	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2

TOTAL NUMBER OF OBSERVATIONS 667

UNITED STATES AIR FORCE

# CEILING VERSUS VISIBILITY

STATION NAME

63-77, 73-79

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1963-1969  
HOURS - 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING ≥20000	44.8	44.8	45.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
18000	59.4	59.4	59.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
16000	59.4	59.4	59.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
14000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
12000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
10000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
9000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
8000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
7000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
6000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
5000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
4500	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
4000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
3500	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
3000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2500	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
1800	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
1500	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
1200	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
900	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
800	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
600	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 657

U.S. AIR FORCE  
 WASHINGTON, D.C.  
 AIRCRAFT SERVICE AREA

# CEILING VERSUS VISIBILITY

STATION NO. 404-NI STATION NAME ANGEL YEARS 65-70, 73-79 MONTH JULY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	45.8	51.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	52.1	64.1	64.1	65.1	65.1	65.1	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVW 18000	51.6	64.8	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IVW 16000	51.5	64.8	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IVW 14000	55.3	68.7	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IVW 12000	55.3	68.7	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IVW 10000	67.0	72.0	72.0	74.7	74.7	74.7	74.7	74.7	74.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IVW 9000	64.2	74.5	74.5	75.9	75.9	75.9	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IVW 8000	71.0	76.3	76.3	74.4	74.6	74.6	74.6	74.6	74.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IVW 7000	72.2	77.5	77.5	73.8	73.8	73.8	73.8	73.8	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IVW 6000	73.3	78.9	78.9	71.2	71.4	71.4	71.4	71.4	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IVW 5000	74.7	80.4	80.4	83.2	83.4	83.4	83.4	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IVW 4500	75.3	80.4	81.4	83.7	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IVW 4000	75.8	82.7	83.5	86.0	86.2	86.2	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVW 3500	76.2	84.7	85.1	87.6	87.8	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IVW 3000	77.5	85.7	86.9	89.4	89.5	89.5	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IVW 2500	81.7	87.1	87.3	91.3	91.5	91.5	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVW 2000	82.1	88.7	89.9	92.9	93.1	93.1	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IVW 1800	82.1	88.7	89.9	92.9	93.1	93.1	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IVW 1500	83.3	90.1	91.3	94.5	94.7	94.7	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IVW 1200	84.0	91.3	92.4	95.8	95.9	95.9	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVW 1000	85.1	92.7	94.1	97.5	97.9	97.9	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVW 900	85.7	92.7	94.1	97.5	97.9	97.9	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVW 800	86.1	92.7	94.2	97.9	98.2	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IVW 700	85.0	92.0	94.2	97.9	98.2	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IVW 600	86.9	92.9	94.2	97.9	98.2	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IVW 500	85.9	94.7	95.4	99.1	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IVW 400	86.9	94.2	95.4	99.1	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IVW 300	86.9	94.7	95.4	99.1	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IVW 200	86.9	94.2	95.4	99.1	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IVW 100	86.9	94.2	95.4	99.1	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IVW 1	86.9	94.2	95.4	99.1	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 565

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

# CEILING VERSUS VISIBILITY

STATION NO. 13 STATION NAME ELSON-NI NARGE KC YEARS 63-70, 73-74 MONTH JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 MONTHS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
≥ 20000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 18000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 16000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 14000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 12000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 10000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 9000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 8000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 7000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 6000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 5000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 4500	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 4000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 3500	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 3000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 2500	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 2000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 1800	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 1500	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 1200	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 1000	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 900	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 800	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 700	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 600	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 500	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 400	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 300	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 200	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 100	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2
IV 0	43.8	47.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2

TOTAL NUMBER OF OBSERVATIONS 2281



LOCAL CLIMATE BRANCH  
 STATION SERVICE YEAR

# CEILING VERSUS VISIBILITY

STATION: UN-NI INGL KJ  
 STATION NAME

YEARS: 73-79

MONTH: JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6.2-6.07  
 HOURS PER YEAR

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01	
NO CEILING																	
IV 20000	14.7	14.7	14.6	20.5	22.8	23.6	23.5	23.7	20.7	23.7	23.8	27.3	23.7	23.6	23.6	23.5	
IV 18000	16.5	19.7	22.5	31.3	30.6	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	
IV 16000	16.5	19.7	22.5	31.3	30.6	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	
IV 14000	16.5	19.7	22.5	31.3	31.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	
IV 12000	16.5	22.7	26.7	35.5	35.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	
IV 10000	24.5	27.7	31.0	41.4	41.7	42.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	
IV 9000	24.5	27.7	31.0	41.4	41.7	42.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	
IV 8000	21.5	31.1	33.4	43.5	42.7	44.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	
IV 7000	26.5	32.4	36.3	45.9	45.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
IV 6000	22.0	35.7	38.3	47.4	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	
IV 5000	30.1	38.7	39.4	45.7	49.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	
IV 4500	31.1	37.0	40.4	47.7	50.0	51.3	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	
IV 4000	33.7	39.6	40.0	52.3	52.6	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	
IV 3500	35.5	41.3	44.8	54.1	54.4	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	
IV 3000	38.3	45.1	48.4	57.8	58.3	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	
IV 2500	41.7	47.3	51.0	61.4	61.7	63.2	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
IV 2000	42.5	52.2	53.9	65.8	66.0	68.1	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	
IV 1800	43.3	51.6	53.4	67.4	68.1	69.7	69.9	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	
IV 1500	43.4	56.3	57.4	73.3	74.1	76.2	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	
IV 1200	50.0	58.6	64.5	76.2	79.3	81.3	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	
IV 1000	52.3	62.7	67.0	82.1	83.7	86.5	87.3	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	
IV 900	53.1	64.5	67.4	83.7	85.2	88.1	89.4	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	
IV 800	53.4	65.0	68.9	85.0	86.5	89.4	90.9	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
IV 700	53.0	65.3	69.2	85.8	87.3	90.2	92.0	92.7	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	
IV 600	54.7	66.3	70.2	87.0	88.6	91.5	93.3	94.0	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	
IV 500	55.2	67.1	71.3	89.1	90.9	94.0	95.9	96.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
IV 400	55.2	67.9	72.3	89.9	91.7	94.8	96.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
IV 300	55.2	67.9	72.3	89.9	91.7	94.8	96.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
IV 200	55.2	67.9	72.3	89.9	91.7	94.8	96.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
IV 100	55.2	67.9	72.3	89.9	91.7	94.8	96.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
IV 0	55.2	67.9	72.3	89.9	91.7	94.8	96.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS: 496

AERIAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4 73  
 STATION

05-NI RANGE KS  
 STATION NAME

68-70, 73-79  
 YEARS

JUL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1100  
 HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.2	≥.1	≥.0
NO CEILING	21.6	24.1	25.2	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
≥ 20000	27.8	33.4	33.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IVM 18000	27.8	34.1	34.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IVM 16000	27.8	34.1	34.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IVM 14000	27.8	35.0	35.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IVM 12000	27.8	33.2	34.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IVM 10000	27.8	43.7	44.7	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IVM 9000	27.8	44.4	45.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IVM 8000	27.8	47.3	48.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IVM 7000	41.0	49.7	50.6	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IVM 6000	42.8	51.7	52.3	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IVM 5000	42.8	51.7	52.9	57.4	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IVM 4500	44.2	53.1	54.2	59.7	59.7	59.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IVM 4000	45.5	54.7	55.8	61.5	61.8	61.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IVM 3500	46.9	55.6	56.8	61.6	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IVM 3000	49.4	59.2	61.5	65.9	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IVM 2500	54.0	64.5	65.4	71.9	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IVM 2000	57.2	68.1	69.3	75.9	76.2	76.4	76.7	76.7	76.7	76.7	76.8	76.8	77.0	77.0	77.0	77.1
IVM 1800	58.8	69.2	71.1	77.7	78.0	78.1	78.5	78.5	78.5	78.5	78.6	78.6	78.8	78.8	78.8	78.8
IVM 1500	63.2	74.9	76.4	84.7	85.2	85.5	86.0	86.0	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3
IVM 1200	64.6	76.8	78.5	87.5	88.3	88.7	89.2	89.2	89.2	89.2	89.4	89.4	89.5	89.5	89.5	89.5
IVM 1000	66.4	79.4	81.0	91.6	92.6	93.6	94.1	94.1	94.1	94.1	94.2	94.2	94.4	94.4	94.4	94.4
IVM 900	66.4	79.4	81.2	92.0	92.9	93.9	94.4	94.4	94.4	94.4	94.5	94.5	94.7	94.7	94.7	94.7
IVM 800	68.0	81.2	83.0	93.9	94.9	95.8	96.5	96.5	96.5	96.5	96.6	96.6	96.8	96.8	96.8	96.8
IVM 700	69.2	81.7	83.4	94.5	95.5	96.5	97.1	97.1	97.1	97.1	97.3	97.3	97.4	97.4	97.4	97.4
IVM 600	69.3	81.7	83.6	94.7	95.7	96.6	97.3	97.3	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6
IVM 500	69.6	82.3	84.2	96.1	97.1	98.2	98.9	98.9	98.9	98.9	99.0	99.0	99.4	99.4	99.4	99.4
IVM 400	68.6	82.7	84.2	96.5	97.4	98.6	99.4	99.4	99.4	99.4	99.5	99.5	99.8	99.8	99.8	99.8
IVM 300	68.6	82.7	84.2	96.5	97.4	98.6	99.4	99.4	99.4	99.4	99.5	99.5	99.8	99.8	99.8	99.8
IVM 200	68.6	82.7	84.2	96.5	97.4	98.6	99.5	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0
IVM 100	68.6	82.7	84.2	96.5	97.4	98.6	99.5	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0
IVM 0	68.6	82.7	84.2	96.5	97.4	98.6	99.5	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

522

ALABAMA AIR FORCE  
 CEILING  
 SERVICE AREA

# CEILING VERSUS VISIBILITY

STATION: MOBILE STATION NAME: MOBILE YEARS: 66-70, 73-79 MONTH: JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1270-1420  
 HOURS: 151

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0
NO CEILING		31.4	32.4	33.4	34.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 20000	41.2	42.2	43.2	44.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000	41.7	44.4	44.8	45.3	45.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 16000	41.9	44.4	44.8	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 14000	43.2	45.2	46.5	47.7	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 12000	43.2	43.2	44.4	45.1	45.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 10000	43.6	47.4	48.7	49.8	49.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 9000	50.7	53.7	54.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 8000	53.4	55.3	55.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000	54.7	57.6	58.4	57.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 6000		56.1	59.4	60.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 5000		53.1	62.4	63.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4500		59.6	62.4	63.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000		61.9	65.1	65.3	65.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3500		63.7	67.3	68.1	71.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 3000		67.3	71.2	72.2	75.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2500		71.4	74.3	75.6	78.6	73.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 2000		73.3	73.4	79.5	81.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1800		75.6	81.3	81.3	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1500		76.9	84.1	85.3	89.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1200		80.2	85.6	86.7	91.2	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1000		82.7	87.6	89.2	94.6	94.6	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900		82.5	83.1	89.7	95.3	95.3	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800		83.3	83.3	89.5	96.1	96.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700		83.6	89.2	91.8	96.6	96.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600		83.6	82.4	91.3	96.7	96.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500		83.3	89.5	91.2	97.5	97.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		83.2	89.5	91.2	97.5	97.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		83.3	89.5	91.2	97.5	97.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200		83.3	89.5	91.2	97.5	97.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100		83.3	89.5	91.2	97.5	97.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0		83.3	89.5	91.2	97.5	97.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 151

FEDERAL CLIMATOLOGY BRANCH  
 WFAFL/TAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

1973  
 STATION

KEON-NI RANGE KC  
 STATION NAME

66-70, 73-79  
 YEARS

JUL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	
NO CEILING	36.4	34.7	35.1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	
≥ 20000	47.3	45.6	45.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	
IV 18000	47.3	45.6	46.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
IV 16000	44.1	45.6	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
IV 14000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
IV 12000	49.9	51.8	51.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	
IV 10000	55.9	53.8	53.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	
IV 9000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	
IV 8000	64.7	67.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	
IV 7000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	
IV 6000	66.6	64.7	64.7	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	
IV 5000	69.6	67.4	67.7	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
IV 4500	69.6	71.5	71.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
IV 4000	72.4	71.5	71.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
IV 3500	74.3	77.1	77.9	77.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	
IV 3000	77.7	81.5	81.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	
IV 2500	82.4	82.4	82.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
IV 2000	82.4	85.7	86.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	
IV 1800	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	
IV 1500	94.6	94.6	91.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
IV 1200	97.6	93.1	92.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
IV 1000	97.6	93.1	93.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
IV 900	97.7	93.7	94.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
IV 800	97.7	93.4	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
IV 700	99.1	93.7	94.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
IV 600	99.1	93.7	94.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
IV 500	99.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 400	99.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 300	99.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 200	99.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 100	99.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IV 0	99.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 533

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE/AVAC

FORM NO. 10  
 1-64

# CEILING VERSUS VISIBILITY

STATION NO. 1203

STATION NAME WAGON-VI KANGAROO

PERIOD 68-70, 73-75

YEARS

ALL MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.0	
NO CEILING		29.8	24.0	21.1	21.1	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000		33.8	36.4	37.8	40.5	43.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IN 18000		34.8	37.3	38.2	41.2	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IN 16000		34.1	37.4	38.2	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IN 14000		35.2	38.7	39.6	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IN 12000		37.9	41.5	42.0	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IN 10000		43.2	46.7	48.5	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IN 9000		44.1	48.7	49.1	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IN 8000		45.9	50.2	51.4	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IN 7000		46.3	52.3	53.7	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IN 6000		49.3	54.4	55.9	59.9	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IN 5000		51.8	56.5	57.9	62.0	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IN 4500		52.4	57.3	58.9	63.0	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IN 4000		54.7	61.7	61.4	65.5	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 3500		58.3	61.7	63.1	67.3	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IN 3000		59.5	65.5	66.8	71.4	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IN 2500		62.0	69.4	71.4	75.0	75.2	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IN 2000		65.2	72.2	73.7	79.2	79.5	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2
IN 1800		66.7	73.5	75.0	80.6	80.9	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6
IN 1500		70.3	75.1	79.7	86.4	86.7	87.3	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7
IN 1200		73.1	80.7	81.9	89.0	89.5	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6
IN 1000		73.6	82.3	84.1	92.2	92.5	93.8	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IN 900		74.1	82.4	84.5	92.8	93.4	94.4	94.3	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IN 800		74.9	83.3	85.4	94.0	94.5	95.7	96.2	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7
IN 700		75.1	83.8	85.7	94.6	95.2	96.4	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 600		75.4	84.1	86.0	94.9	95.5	96.8	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IN 500		75.6	84.4	86.5	95.0	96.7	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
IN 400		75.6	84.6	86.6	96.2	96.9	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8
IN 300		75.8	84.6	86.6	96.2	96.9	98.4	99.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IN 200		75.8	84.6	86.6	96.2	96.9	98.4	99.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IN 100		75.8	84.6	86.6	96.2	96.9	98.4	99.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IN 0		75.6	84.6	86.6	96.2	96.9	98.4	99.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2152

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

# CEILING VERSUS VISIBILITY

STATION  
 75

STATION NAME  
 KAS-MI RANGE RD

YEARS  
 65-70, 73-79

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-0600  
 HOURS TST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	
NO CEILING	25.6	28.1	30.7	32.4	33.8	34.5	35.3	35.7	35.3	35.3	35.3	35.3	35.5	35.5	35.7	35.7
≥ 20000	29.2	32.4	34.1	34.7	34.2	33.9	32.9	40.7	40.3	40.3	40.3	40.6	40.0	40.8	40.8	40.8
IV 18000	27.1	32.4	34.1	36.7	38.2	38.9	39.9	40.3	40.3	40.3	40.3	40.6	40.0	40.8	40.8	40.8
IV 16000	27.8	32.4	34.1	36.7	38.2	38.9	39.9	40.3	40.3	40.3	40.3	40.6	40.0	40.8	40.8	40.8
IV 14000	27.1	33.7	35.5	38.2	39.6	40.8	41.8	42.3	42.3	42.3	42.3	42.5	42.5	42.9	42.8	42.8
IV 12000	28.7	34.8	37.8	39.6	41.1	42.8	43.7	44.2	44.2	44.2	44.2	44.4	44.4	44.7	44.7	44.7
IV 10000	33.3	39.4	41.0	45.9	47.3	49.3	50.5	51.7	51.7	51.7	51.7	51.2	51.0	51.4	51.4	51.4
IV 9000	32.5	41.2	43.0	47.1	48.6	51.7	52.2	52.7	52.7	52.7	52.7	52.7	52.9	52.9	53.1	53.1
IV 8000	40.3	45.7	47.6	52.2	53.6	56.9	58.0	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.9	58.9
IV 7000	41.5	46.8	49.5	54.3	56.3	59.7	60.9	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.8	61.8
IV 6000	41.8	47.1	49.8	54.6	56.5	59.9	61.1	61.6	61.6	61.6	61.6	61.6	61.8	61.8	62.1	62.1
IV 5000	42.3	47.6	50.2	55.1	57.0	60.4	61.6	62.1	62.1	62.1	62.1	62.1	62.3	62.3	62.6	62.6
IV 4500	42.8	48.1	50.7	55.6	57.5	60.9	62.1	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.1	63.1
IV 4000	44.7	50.0	52.7	57.5	59.4	62.9	64.0	64.5	64.5	64.5	64.5	64.5	64.7	64.7	65.0	65.0
IV 3500	46.8	51.9	54.6	59.4	61.4	64.7	65.9	66.4	66.4	66.4	66.4	66.4	66.7	66.7	66.9	66.9
IV 3000	48.3	53.4	56.5	61.8	63.8	67.1	68.4	68.8	68.8	68.8	68.8	68.8	69.1	69.1	69.3	69.3
IV 2500	49.7	55.1	58.5	64.3	66.2	69.6	70.8	71.3	71.3	71.3	71.3	71.3	71.5	71.5	71.7	71.7
IV 2000	52.4	58.4	62.6	68.8	70.8	74.2	75.4	75.8	75.8	75.8	75.8	75.8	76.1	76.1	76.3	76.3
IV 1800	52.9	59.7	63.3	69.6	71.5	74.9	76.1	76.6	76.6	76.6	76.6	76.6	76.8	76.8	77.1	77.1
IV 1500	55.1	62.6	66.7	74.4	76.3	79.7	80.9	81.6	81.6	81.6	81.6	81.6	81.9	81.9	82.1	82.1
IV 1200	57.2	65.1	69.3	77.5	79.4	83.8	85.0	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.2	86.2
IV 1000	57.2	67.4	72.2	82.1	84.3	87.9	89.6	90.6	91.3	91.5	91.5	91.5	91.8	91.8	92.0	92.3
IV 900	57.2	67.4	72.2	82.1	84.3	87.9	89.6	90.6	91.3	91.5	91.5	91.5	91.8	91.8	92.0	92.3
IV 800	58.9	68.7	73.9	83.8	86.0	90.8	92.5	93.5	94.2	94.4	94.4	94.4	94.7	94.7	94.9	95.2
IV 700	59.9	69.1	74.2	84.1	86.2	91.5	93.2	94.2	94.9	95.2	95.2	95.2	95.4	95.4	95.7	95.9
IV 600	59.7	69.1	74.2	84.1	86.2	91.5	93.2	94.4	95.2	95.4	95.4	95.4	95.7	95.7	95.9	96.1
IV 500	60.4	69.6	74.6	84.8	87.0	92.3	94.0	95.4	96.1	96.6	96.6	96.6	97.1	97.1	97.8	97.8
IV 400	60.4	69.6	74.6	84.8	87.0	92.3	94.0	95.4	96.1	96.9	96.9	96.9	97.3	97.3	97.8	98.3
IV 300	62.4	69.6	74.6	84.8	87.0	92.8	94.7	96.1	96.9	97.8	97.8	97.8	98.3	98.3	98.8	99.3
IV 200	62.4	69.6	74.6	84.8	87.0	92.8	94.7	96.1	96.9	97.8	97.8	97.8	98.3	98.3	98.8	99.3
IV 100	60.4	69.6	74.6	84.8	87.0	92.8	94.7	96.1	96.9	97.8	97.8	97.8	98.3	98.3	98.8	99.3
IV 0	60.4	69.6	74.6	84.8	87.0	92.8	94.7	96.1	96.9	97.8	97.8	97.8	98.3	98.3	98.8	99.3

TOTAL NUMBER OF OBSERVATIONS 414

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL METEOROLOGICAL SERVICE  
 WASHINGTON, D.C. 20540

# CEILING VERSUS VISIBILITY

STATION NAME: WASHINGTON AIRSB MO

PERIOD: 7-13-70

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-1100  
 HOURS TEST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING																
≥ 20000		33.7	35.4	37.1	40.1	40.2	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV ≥ 18000		34.9	43.3	43.3	47.1	47.2	47.5	47.6	47.6	47.5	47.8	47.8	47.5	47.8	47.8	47.8
IV ≥ 16000		33.9	43.3	43.3	47.1	47.2	47.5	47.8	47.6	47.5	47.8	47.8	47.8	47.8	47.8	47.8
IV ≥ 14000		40.3	40.6	45.7	47.2	49.5	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV ≥ 12000		40.7	40.6	45.7	50.2	50.3	52.9	53.3	53.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV ≥ 10000		45.3	54.7	54.1	59.7	59.8	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV ≥ 9000		47.0	54.7	54.9	59.5	59.8	59.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV ≥ 8000		51.3	54.7	54.1	64.1	64.4	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV ≥ 7000		55.2	60.7	61.0	67.7	67.3	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV ≥ 6000		55.2	61.6	61.9	67.9	68.2	68.2	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV ≥ 5000		57.4	63.7	63.5	70.0	70.3	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV ≥ 4500		57.4	63.7	63.5	70.0	70.3	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV ≥ 4000		58.3	64.1	64.4	71.0	71.3	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV ≥ 3500		59.6	64.9	65.8	72.3	72.6	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV ≥ 3000		63.4	69.8	69.8	75.5	75.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV ≥ 2500		64.4	71.2	71.6	76.8	79.2	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV ≥ 2000		67.4	74.0	74.9	80.9	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV ≥ 1800		69.6	75.4	75.6	83.7	84.2	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV ≥ 1500		71.3	77.7	74.5	87.4	87.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV ≥ 1200		73.1	81.7	81.6	90.3	90.9	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV ≥ 1000		74.9	87.7	85.3	93.7	94.5	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV ≥ 900		74.9	87.7	85.3	93.7	94.5	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV ≥ 800		75.0	83.1	82.7	94.2	94.9	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV ≥ 700		75.0	83.1	83.9	94.6	95.4	96.9	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV ≥ 600		75.5	83.7	84.3	95.1	95.8	97.3	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV ≥ 500		75.3	84.2	84.9	96.1	96.9	98.5	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 400		75.5	84.2	84.9	96.1	96.9	98.5	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7
IV ≥ 300		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0
IV ≥ 200		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0
IV ≥ 100		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0
IV ≥ 0		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 669

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

ROON-VI RANGE KC

STATION NAME

66-75, 73-79

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1207-1408  
 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4	
NO CEILING																	
≥ 20000	49.1	51.0	52.5	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 18000	49.2	51.7	52.6	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 16000	49.4	51.9	52.8	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 14000	51.5	54.7	55.3	56.7	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 12000	55.6	59.1	59.4	60.2	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	61.1	64.1	65.0	66.1	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 9000	62.4	65.4	67.3	67.4	67.4	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000	64.9	67.7	70.3	71.5	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 7000	65.9	71.2	72.3	73.5	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	67.6	72.1	73.2	74.5	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	70.9	75.2	76.3	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4500	72.9	76.2	76.3	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	72.6	77.1	76.3	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3500	75.1	77.4	77.7	78.2	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	75.0	77.8	77.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2500	82.4	82.7	83.4	84.4	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	84.7	82.7	81.2	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800	85.1	82.9	81.5	84.6	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	85.9	82.9	82.4	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1200	87.2	82.7	84.3	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1000	87.3	82.9	84.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 900	87.6	82.7	84.7	88.7	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 800	87.8	82.4	85.1	88.3	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 700	87.8	82.7	85.2	88.5	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 600	87.9	82.3	85.4	88.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 500	87.6	82.7	85.4	88.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 400	87.9	82.8	85.4	88.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 300	87.9	82.8	85.4	88.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 200	87.9	82.8	85.4	88.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 100	87.9	82.8	85.4	88.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 0	87.6	82.4	85.4	88.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4

TOTAL NUMBER OF OBSERVATIONS 646



UNITED STATES AIR FORCE  
 AIR FORCE SERVICE CENTER

# CEILING VERSUS VISIBILITY

STATION: AF-70,73-79 YEARS: 46  
 MONTH: 15

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-177  
 HOURS: 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	41.0	47.8	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 20000	58.7	57.6	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 18000	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	58.4	58.3	58.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 14000	58.1	58.7	58.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 8000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 900	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 800	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 700	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 600	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 400	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 300	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 200	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 100	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
ALL	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS 583

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. WADDY-N1 WADBE RD  
 STATION NAME

PERIOD 62-71 73-79  
 YEARS

ALL MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0
NO CEILING																
≥ 20000	31.6	33.1	34.0	34.8	35.3	35.7	35.9	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
IV 18000	44.4	47.7	48.0	48.3	48.7	48.9	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 16000	44.5	47.7	48.3	48.6	48.9	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 14000	45.2	49.3	49.3	49.6	49.9	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	47.7	52.7	53.5	53.8	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 10000	54.1	59.1	59.5	59.8	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 9000	55.4	59.4	60.3	60.6	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	62.7	67.7	68.5	68.8	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 7000	65.1	69.1	69.6	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000	71.1	75.1	75.6	75.9	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	73.1	77.1	77.6	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	73.4	77.4	77.9	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	75.4	79.4	79.9	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	78.4	82.4	82.9	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3000	79.4	83.4	83.9	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	82.4	86.4	86.9	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000	84.4	88.4	88.9	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1800	85.4	89.4	89.9	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500	86.4	90.4	90.9	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	87.4	91.4	91.9	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	88.4	92.4	92.9	93.2	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 800	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 600	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 500	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 400	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 300	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 200	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 100	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 0	89.4	93.4	93.9	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS 2312

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

# CEILING VERSUS VISIBILITY

STATION: WINDHOLM - ANGLE, MD YEAR: 1973-74

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING	37.7	43.0	45.4	47.9	51.1	55.1	61.4	62.1	62.4	62.6	63.0	63.1	63.3	63.6	63.8	64.0
≥ 20000	37.7	43.0	45.4	47.9	51.1	55.1	61.4	62.1	62.4	62.6	63.0	63.1	63.3	63.6	63.8	64.0
IVIV 18000	36.2	41.1	43.5	47.1	51.4	55.9	61.6	62.3	62.6	63.1	63.4	63.6	63.8	64.0	64.2	64.4
IVIV 16000	36.2	41.1	43.5	47.1	51.4	55.9	61.6	62.3	62.6	63.1	63.4	63.6	63.8	64.0	64.2	64.4
IVIV 14000	37.7	43.0	45.4	47.9	51.1	55.1	61.4	62.1	62.4	62.6	63.0	63.1	63.3	63.6	63.8	64.0
IVIV 12000	37.7	43.0	45.4	47.9	51.1	55.1	61.4	62.1	62.4	62.6	63.0	63.1	63.3	63.6	63.8	64.0
IVIV 10000	42.8	50.0	52.6	57.1	62.3	67.3	72.3	73.3	73.8	74.3	74.8	75.1	75.3	75.6	75.8	76.0
IVIV 9000	42.8	50.0	52.6	57.1	62.3	67.3	72.3	73.3	73.8	74.3	74.8	75.1	75.3	75.6	75.8	76.0
IVIV 8000	43.9	50.0	52.6	57.1	62.3	67.3	72.3	73.3	73.8	74.3	74.8	75.1	75.3	75.6	75.8	76.0
IVIV 7000	43.9	50.0	52.6	57.1	62.3	67.3	72.3	73.3	73.8	74.3	74.8	75.1	75.3	75.6	75.8	76.0
IVIV 6000	50.0	59.0	61.6	66.1	71.1	76.1	81.1	82.1	82.6	83.1	83.6	84.0	84.3	84.6	84.8	85.0
IVIV 5000	50.0	59.0	61.6	66.1	71.1	76.1	81.1	82.1	82.6	83.1	83.6	84.0	84.3	84.6	84.8	85.0
IVIV 4500	50.0	60.0	64.0	69.0	74.0	79.0	84.0	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0
IVIV 4000	50.0	60.0	64.0	69.0	74.0	79.0	84.0	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0
IVIV 3500	51.1	64.0	68.0	73.1	78.1	83.1	88.1	89.1	89.6	90.1	90.6	91.0	91.5	92.0	92.5	93.0
IVIV 3000	51.1	64.0	68.0	73.1	78.1	83.1	88.1	89.1	89.6	90.1	90.6	91.0	91.5	92.0	92.5	93.0
IVIV 2500	59.0	69.1	71.3	75.1	79.1	83.1	87.1	88.1	88.6	89.1	89.6	90.0	90.5	91.0	91.5	92.0
IVIV 2000	59.0	69.1	71.3	75.1	79.1	83.1	87.1	88.1	88.6	89.1	89.6	90.0	90.5	91.0	91.5	92.0
IVIV 1800	61.1	70.0	72.6	76.6	80.6	84.6	88.6	89.6	90.1	90.6	91.0	91.5	92.0	92.5	93.0	93.5
IVIV 1500	61.1	70.0	72.6	76.6	80.6	84.6	88.6	89.6	90.1	90.6	91.0	91.5	92.0	92.5	93.0	93.5
IVIV 1200	62.3	71.0	74.1	78.0	82.0	86.0	90.0	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0
IVIV 1000	62.3	71.0	74.1	78.0	82.0	86.0	90.0	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0
IVIV 900	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 800	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 700	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 600	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 500	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 400	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 300	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 200	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 100	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5
IVIV 0	63.3	73.1	75.3	79.5	83.5	87.5	91.5	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5

TOTAL NUMBER OF OBSERVATIONS: 401

3

FEDERAL AVIATION ADMINISTRATION  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20515  
 U.S. WEATHER SERVICE/OMC

# CEILING VERSUS VISIBILITY

STATION NO. WASA-MI FANDE AC  
 STATION NAME WASA-MI FANDE AC

DATE 6-7, 73-79

FORM NO. 100-100

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	71.7	4.0	4.5	44.8	44.3	47.0	40.6	45.6	41.4	41.4	41.6	41.6	45.4	45.3	43.0	
≥ 20000	44.7	5.0	7.2	57.0	53.0	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.1	54.2
IV 18000	45.4	51.7	51.3	53.6	53.8	53.9	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.9
IV 16000	45.3	51.0	51.4	53.6	53.8	54.1	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0
IV 14000	49.4	55.4	55.7	54.2	53.2	54.5	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
IV 12000	52.7	59.3	59.7	61.4	62.4	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3
IV 10000	55.4	63.4	63.3	67.0	67.1	67.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9
IV 9000	59.0	66.7	67.1	70.4	70.4	70.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3
IV 8000	61.8	69.7	69.5	73.0	73.0	73.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	62.7	70.1	70.8	74.2	74.2	74.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.4
IV 6000	63.4	70.9	71.4	75.2	75.2	75.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.5
IV 5000	63.4	70.0	70.4	77.2	77.2	77.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.5
IV 4500	65.0	71.1	71.6	77.4	77.4	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.7
IV 4000	65.6	71.1	71.6	77.3	77.3	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.7
IV 3500	69.7	75.9	77.4	81.1	81.1	81.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.5
IV 3000	71.4	79.4	79.9	83.8	83.8	84.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.2
IV 2500	72.5	81.1	81.6	86.7	86.7	86.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4
IV 2000	73.2	81.7	82.2	87.9	87.9	88.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.7
IV 1800	73.4	82.7	83.3	88.1	88.1	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.9
IV 1500	74.1	83.8	84.6	89.3	89.3	89.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	92.8
IV 1200	75.0	85.1	86.0	90.7	90.7	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	94.2
IV 1000	75.0	85.7	86.0	91.7	91.7	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	95.6
IV 900	75.2	86.1	86.8	91.7	91.7	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	95.6
IV 800	75.2	86.7	86.9	91.8	91.8	92.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	95.6
IV 700	75.2	86.7	86.9	91.8	91.8	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	96.4
IV 600	75.2	86.2	87.1	92.0	92.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	96.5
IV 500	75.2	86.7	87.1	92.1	92.1	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	97.6
IV 400	75.2	86.7	87.1	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	97.8
IV 300	75.2	86.7	87.1	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	98.4
IV 200	75.2	86.7	87.1	92.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	99.1
IV 100	75.2	86.7	87.1	92.5	93.1	93.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	99.7
IV 0	75.3	86.7	87.1	92.5	93.1	93.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 626

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 ETAC  
 STATE SERVICE

# CEILING VERSUS VISIBILITY

STATION W-41 SANDOZ STATION NAME W-41 SANDOZ YEARS 66-70, 72-75 MONTHS 1266-1406

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1266-1406  
 HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ 0
NO CEILING ≥ 20000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
18000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
16000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
14000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
12000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
10000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
9000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
7000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
6000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
5000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
4500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
3500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
3000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
2500	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1800	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 632

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

# CEILING VERSUS VISIBILITY

STATION: WFOA-N1 - WOLF BL YEARS: 65-70, 73-79 MONTH: SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1965-1979  
 HOURS: 157

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.3	≥.25	≥.16	≥.1	≥0
NO CEILING ≥ 20000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000 16000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000 12000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000 9000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000 7000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 6000 5000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500 4000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500 3000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500 2000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800 1500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200 1000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 556

FEDERAL AVIATION ADMINISTRATION  
 NATIONAL CEILING VISIBILITY RESEARCH  
 REPORT NO. 1  
 CEILING VISIBILITY SERVICE DATA

# CEILING VERSUS VISIBILITY

STATION: 3 NAME: WASH-NI RANGE LD STATION NUMBER: 62-70,73-77 YEARS: \_\_\_\_\_ MONTH: \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.6	≥.5	≥.4	≥.3	≥.2	
NO CEILING ≥ 20000	40.8	40.7	46.1	47.6	47.8	47.9	43.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 18000	51.8	54.8	56.3	57.7	57.9	58.1	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000	51.9	55.3	56.3	58.0	58.2	58.4	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 14000	54.6	58.7	59.1	60.9	61.1	61.4	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 12000	57.3	62.4	62.8	64.8	65.2	65.3	65.8	65.8	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000	61.2	65.7	67.2	69.6	69.8	70.1	70.5	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 9000	64.4	69.3	69.9	72.4	72.6	72.9	73.4	73.5	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
IV 8000	67.1	72.4	73.2	75.7	76.0	76.4	76.9	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4
IV 7000	68.6	74.2	74.7	77.6	77.8	78.2	78.6	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
IV 6000	69.3	74.7	75.3	78.2	78.4	78.9	79.5	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
IV 5000	71.1	76.4	77.3	80.1	80.4	80.8	81.4	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 4500	71.7	77.3	77.9	80.8	81.0	81.4	82.1	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	74.1	79.5	80.4	83.5	83.7	84.1	84.8	85.0	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500	75.1	80.9	81.7	84.9	85.1	85.4	86.0	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
IV 3000	77.3	83.2	83.9	87.1	87.3	87.8	88.4	88.6	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9
IV 2500	78.3	84.6	85.3	88.9	89.2	89.7	90.3	90.5	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8
IV 2000	79.0	86.5	87.3	91.1	91.4	92.0	92.6	92.9	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3
IV 1800	79.7	86.8	87.4	91.3	91.6	92.2	92.9	93.1	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5
IV 1500	80.7	87.7	88.7	92.8	93.1	93.8	94.6	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	81.5	88.4	89.4	93.6	94.0	94.8	95.6	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	81.7	89.1	89.9	94.2	94.7	95.6	96.4	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	81.7	89.1	89.9	94.2	94.7	95.6	96.4	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	81.7	89.1	89.9	94.2	94.7	95.6	96.4	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	81.8	89.2	90.2	94.5	94.9	95.6	96.8	97.0	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	81.8	89.2	90.2	94.6	95.0	95.1	96.8	97.1	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	81.8	89.2	90.2	94.6	95.1	96.2	97.0	97.4	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
IV 400	81.8	89.2	90.2	94.7	95.1	96.3	97.0	97.4	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	81.8	89.2	90.2	94.7	95.1	96.3	97.0	97.5	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	81.8	89.2	90.2	94.7	95.1	96.3	97.1	97.5	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	81.8	89.2	90.2	94.7	95.2	96.3	97.1	97.6	98.0	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	81.8	89.2	90.2	94.7	95.2	96.4	97.2	97.6	98.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 2225

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

USE WITH CARE  
 1964 EDITION

# CEILING VERSUS VISIBILITY

STATION NO. 73 KCON-NI RANGE KC  
 STATION NAME

YEARS 66-70, 73-79

MONTH OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-6000  
 HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	42.3	43.4	49.5	54.3	55.0	56.6	57.5	58.7	59.1	59.6	59.5	60.5	60.5	61.1	61.6
≥ 20000	45.0	53.9	55.2	61.7	61.4	63.2	63.9	64.3	65.7	66.1	66.1	67.0	67.0	67.7	68.4
IV 18000	47.7	54.1	55.5	61.9	61.6	63.4	64.1	64.6	65.9	66.4	66.4	67.3	67.3	68.0	68.6
IV 16000	47.7	54.1	55.5	61.9	61.6	63.4	64.1	64.6	65.9	66.4	66.4	67.3	67.3	68.0	68.6
IV 14000	47.7	55.7	56.6	62.0	62.7	64.5	65.2	65.7	67.0	67.6	67.6	68.4	68.4	69.1	69.8
IV 12000	49.3	57.7	58.5	65.2	65.9	67.7	68.4	68.9	70.5	70.9	70.9	71.8	71.8	72.5	73.2
IV 10000	50.9	59.0	61.6	67.3	68.0	69.8	70.5	70.9	72.5	73.0	73.0	73.9	73.9	74.5	75.2
IV 9000	50.9	60.9	62.7	68.9	69.5	71.4	72.0	72.5	74.1	74.5	74.5	75.5	75.5	76.1	76.8
IV 8000	54.1	63.3	65.5	71.8	72.5	74.3	75.2	75.7	77.3	77.7	77.7	78.6	78.6	79.3	80.0
IV 7000	55.6	65.2	67.0	74.3	75.3	76.8	77.7	78.2	79.8	80.7	80.7	81.1	81.1	81.8	82.5
IV 6000	55.6	65.2	67.0	74.3	75.3	76.8	77.7	78.2	79.8	80.7	80.7	81.1	81.1	82.0	82.7
IV 5000	56.4	65.7	68.6	76.1	76.8	78.9	79.8	80.7	82.3	82.7	82.7	83.6	83.6	84.3	85.0
IV 4500	56.4	66.3	68.6	76.1	76.8	78.9	79.8	80.7	82.3	82.7	82.7	83.6	83.6	84.3	85.0
IV 4000	57.2	67.7	69.5	77.0	77.7	79.8	80.7	81.1	83.2	83.6	83.6	84.5	84.5	85.2	86.0
IV 3500	56.6	69.7	71.1	78.6	79.3	81.4	82.3	82.7	84.3	85.2	85.2	86.1	86.1	86.8	87.7
IV 3000	56.6	70.9	72.7	80.5	81.1	83.4	84.3	84.8	86.8	87.3	87.3	88.2	88.2	88.9	89.8
IV 2500	61.3	73.7	74.8	83.2	83.9	86.1	87.0	87.5	89.5	90.0	90.0	90.9	90.9	91.6	92.5
IV 2000	62.0	73.7	75.2	83.6	84.3	86.6	88.0	88.4	90.5	90.9	90.9	91.8	91.8	92.5	93.4
IV 1800	62.7	73.9	75.9	84.2	85.0	87.3	88.9	89.6	91.6	92.3	92.3	92.4	93.4	94.1	95.0
IV 1500	62.7	73.9	75.9	84.2	85.0	87.3	88.9	89.6	91.6	92.3	92.3	92.4	93.4	94.1	95.0
IV 1200	63.2	74.1	76.1	84.5	85.2	87.5	89.1	90.0	92.3	92.7	92.7	93.9	93.9	94.5	95.5
IV 1000	63.2	74.3	76.4	84.8	85.5	87.7	89.3	90.2	92.7	93.2	93.2	94.3	94.3	95.0	96.4
IV 900	63.2	74.3	76.4	84.8	85.5	87.7	89.3	90.2	92.7	93.2	93.2	94.3	94.3	95.0	96.4
IV 800	63.2	74.3	76.4	84.8	85.5	87.7	89.3	90.2	92.7	93.2	93.2	94.3	94.3	95.2	96.6
IV 700	63.2	74.5	76.6	85.0	85.7	88.0	89.5	90.5	93.0	93.4	93.4	94.8	94.8	95.5	96.6
IV 600	63.2	74.5	76.6	85.0	85.7	88.0	89.5	90.5	93.0	93.4	93.4	94.8	94.8	95.5	96.6
IV 500	63.2	74.5	76.6	85.0	85.7	88.0	89.5	90.5	93.0	93.4	93.4	94.8	94.8	95.5	96.6
IV 400	63.2	74.5	76.6	85.0	85.7	88.0	89.5	90.5	93.0	93.4	93.4	95.0	95.0	95.7	97.0
IV 300	63.2	74.5	76.6	85.2	85.9	88.2	89.8	90.7	93.2	93.6	93.6	95.2	95.2	95.9	98.0
IV 200	63.2	74.5	76.6	85.2	85.9	88.2	89.8	90.7	93.2	93.6	93.6	95.2	95.2	96.1	98.5
IV 100	63.2	74.5	76.6	85.2	85.9	88.2	89.8	90.7	93.2	93.6	93.6	95.2	95.2	96.1	99.1
IV 0	63.2	74.5	76.6	85.2	85.9	88.2	89.8	90.7	93.2	93.6	93.6	95.2	95.2	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 440



U.S. AIR FORCE CLIMATOLOGY BRANCH  
 STATE SERVICE CENTER

TEMPERATURE  
 WIND

# CEILING VERSUS VISIBILITY

STATION NAME  
 WTON-NI RANCE MO

PERIOD  
 68-73, 73-75

MONTH  
 OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

757-1100  
 HOURS PER DAY

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	53.1	54.4	55.2	67.8	71.5	62.3	62.7	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.3
≥ 20000	53.1	54.4	55.2	66.7	67.5	63.4	63.8	64.8	66.9	69.1	69.1	69.1	69.1	69.1	69.1	69.5
≥ 18000	55.4	61.1	61.8	67.3	68.1	64.9	69.4	69.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	70.1
≥ 16000	55.7	61.5	61.1	67.6	68.4	69.2	69.7	69.7	69.8	70.0	70.0	70.0	70.0	70.0	70.1	70.4
≥ 14000	56.9	62.1	63.1	69.3	70.8	71.5	71.9	71.9	72.1	72.7	72.7	72.7	72.7	72.7	72.4	72.7
≥ 12000	59.6	65.1	66.1	73.1	73.9	74.9	75.3	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.9	76.2
≥ 10000	61.1	67.6	68.3	75.9	76.5	77.6	78.1	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.6	78.9
≥ 9000	61.3	67.4	69.5	75.7	77.4	78.5	78.9	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.5	79.8
≥ 8000	63.7	71.4	71.6	79.3	80.1	81.1	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.5
≥ 7000	64.2	71.8	72.2	79.9	80.7	81.7	82.2	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.8	83.1
≥ 6000	65.2	72.1	73.3	81.2	81.7	82.9	83.2	83.2	83.7	83.8	83.8	83.8	83.8	83.8	84.1	84.4
≥ 5000	68.2	75.7	76.2	84.0	84.7	85.9	86.5	86.5	86.9	87.1	87.1	87.1	87.1	87.1	87.2	87.5
≥ 4500	69.1	75.9	77.1	84.6	85.6	86.8	87.4	87.4	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.4
≥ 4000	70.1	77.1	78.2	85.9	86.6	87.8	88.4	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.2	89.5
≥ 3500	71.5	78.3	79.5	87.2	88.0	89.2	89.7	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.5	90.8
≥ 3000	73.3	80.1	81.3	89.3	90.0	91.2	91.8	91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.6	92.9
≥ 2500	73.5	81.1	82.3	91.5	91.2	92.6	93.2	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.9	94.2
≥ 2000	74.3	81.4	82.8	91.9	91.7	93.3	93.6	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.4	94.7
≥ 1800	74.3	81.4	82.8	91.9	91.7	93.3	93.6	93.6	94.1	94.5	94.7	94.7	94.7	94.7	94.8	95.1
≥ 1500	74.4	81.6	82.9	91.2	92.3	93.8	94.7	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.7	96.0
≥ 1200	74.4	81.6	82.9	91.2	92.3	93.8	94.7	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.7	96.0
≥ 1000	74.6	81.7	83.1	91.4	92.4	93.9	94.8	95.1	95.7	96.1	96.1	96.1	96.1	96.1	96.3	96.6
≥ 900	74.6	81.7	83.1	91.4	92.4	93.9	94.8	95.1	95.7	96.1	96.1	96.1	96.1	96.1	96.3	96.6
≥ 800	74.6	81.7	83.1	91.4	92.4	93.9	94.8	95.1	95.7	96.1	96.1	96.1	96.1	96.1	96.3	96.6
≥ 700	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.4	96.4	96.4	96.4	96.4	96.6	96.9
≥ 600	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.4	96.4	96.4	96.4	96.4	96.6	96.9
≥ 500	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.6	96.7	96.9	96.9	96.9	97.2	97.5
≥ 400	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.6	96.9	97.0	97.2	97.2	97.6	97.9
≥ 300	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.7	97.1	97.2	97.3	97.3	97.8	98.1
≥ 200	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.3	96.9	97.2	97.8	97.8	98.1	98.8	99.1
≥ 100	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.3	96.9	97.2	97.8	97.8	98.1	98.8	99.1
≥ 0	74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.3	96.9	97.2	97.8	97.8	98.1	98.8	99.1

TOTAL NUMBER OF OBSERVATIONS 673

CELESTIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

ONE WITH REPORT  
NO. 157

# CEILING VERSUS VISIBILITY

STATION 73 WON-NI RANGE KO  
STATION NAME

63-75, 73-79  
YEARS

06  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	51.6	62.7	67.6	64.4	64.4	64.3	64.8	64.4	64.8	64.8	64.4	64.8	64.8	64.8	64.8	64.8
≥ 20000	56.4	71.7	71.7	72.6	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 18000	67.2	71.4	71.4	73.5	73.5	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 16000	67.2	71.4	71.4	73.7	73.7	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	71.5	74.4	74.4	76.7	76.7	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 12000	72.2	75.6	77.5	79.6	79.6	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	75.5	79.9	81.8	82.9	82.9	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 9000	75.5	81.2	82.1	84.3	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 8000	72.5	82.9	83.8	85.9	85.9	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 7000	74.7	84.1	85.0	87.1	87.1	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 6000	80.9	89.3	90.2	92.4	92.4	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 5000	82.8	87.1	88.0	90.2	90.2	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 4500	83.7	88.0	89.1	91.2	91.2	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 4000	84.6	89.3	90.4	92.1	92.1	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500	85.5	90.4	91.1	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 3000	87.3	92.0	92.9	95.0	95.0	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	88.8	93.5	94.4	96.8	96.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	89.3	94.1	95.0	97.4	97.4	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	89.8	94.5	95.5	98.0	98.0	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	89.7	94.7	95.6	98.2	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	89.7	94.7	95.6	98.2	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	90.2	95.3	96.2	98.8	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	90.2	95.3	96.2	98.8	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	90.2	95.3	96.2	98.8	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 661

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

USE WITH FORM  
 0-14-5 (OL A)

# CEILING VERSUS VISIBILITY

STATION NO. 73 STATION NAME WAGON-NI RANGE, MO

PERIOD 68-70, 73-74 YEARS

MONTH OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD 1/00 HOURS 1-51

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING																
≥ 20000		59.2	61.4	61.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000		67.6	68.7	68.8	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000		69.5	70.5	70.5	70.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 14000		72.9	74.5	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 12000		75.2	77.1	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 10000		78.9	81.1	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 9000		79.9	82.2	82.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 8000		82.4	84.7	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 7000		84.2	86.4	86.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 6000		84.3	86.5	86.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 5000		85.2	87.4	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500		85.7	88.0	88.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4000		87.9	90.1	90.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500		89.3	91.5	91.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 3000		91.9	94.1	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 2500		93.3	95.5	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000		94.7	96.9	97.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800		94.2	97.7	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500		94.4	97.9	98.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200		94.4	97.9	98.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000		94.7	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		94.7	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 261

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

# CEILING VERSUS VISIBILITY

STATION: KCON-NI KANSAS MO  
 STATION NAME: KANSAS CITY

PERIOD: 65-70, 73-79  
 YEARS: 1965-1970, 1973-1979

PERIOD: ALL MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	57.2	55.0	47.4	41.7	31.1	21.7	12.7	6.7	4.3	2.4	1.4	0.8	0.6	0.6	0.7	0.9
≥ 20000	59.7	61.0	54.3	47.0	35.3	25.7	16.3	9.4	6.7	3.8	2.4	1.4	0.8	0.6	0.7	0.9
≥ 18000	60.3	61.7	53.1	45.2	34.3	24.7	15.4	8.4	5.8	3.7	2.3	1.3	0.7	0.5	0.6	0.8
≥ 16000	60.7	64.0	52.5	44.2	33.5	24.2	15.0	8.0	5.4	3.6	2.2	1.2	0.7	0.5	0.6	0.8
≥ 14000	62.7	67.0	57.8	49.2	37.1	27.8	18.2	10.3	7.3	4.6	3.3	2.0	1.1	0.8	0.9	1.1
≥ 12000	65.1	69.0	61.8	54.8	41.1	30.9	20.3	12.3	8.7	5.6	4.0	2.5	1.4	1.0	1.1	1.3
≥ 10000	67.8	72.0	63.9	57.9	44.2	33.2	22.2	14.3	10.4	6.8	4.9	3.0	1.8	1.3	1.4	1.6
≥ 9000	68.6	74.0	64.9	58.1	45.4	33.2	22.2	14.3	10.4	6.8	4.9	3.0	1.8	1.3	1.4	1.6
≥ 8000	70.0	75.0	67.1	61.5	48.6	36.6	25.0	16.3	11.4	7.9	5.6	3.6	2.1	1.5	1.6	1.8
≥ 7000	71.7	77.4	70.4	62.9	50.2	38.2	26.4	17.4	12.5	8.0	5.7	3.7	2.2	1.6	1.7	1.9
≥ 6000	72.4	78.1	71.3	63.6	51.9	39.9	27.4	18.4	13.6	8.1	5.8	3.8	2.3	1.7	1.8	2.0
≥ 5000	74.0	80.0	71.0	65.6	53.9	41.9	29.4	20.4	14.7	9.2	6.9	4.9	2.4	1.8	1.9	2.1
≥ 4500	74.0	80.0	71.0	65.6	53.9	41.9	29.4	20.4	14.7	9.2	6.9	4.9	2.4	1.8	1.9	2.1
≥ 4000	75.0	82.0	73.0	67.6	55.9	43.9	31.4	22.4	15.8	10.3	7.0	5.0	2.5	1.9	2.0	2.2
≥ 3500	77.0	83.0	74.3	68.9	57.2	45.1	33.5	24.6	17.0	11.2	7.9	5.9	2.6	2.0	2.1	2.3
≥ 3000	78.0	84.0	76.4	71.1	59.5	47.4	35.6	26.7	18.1	12.3	8.0	6.0	2.7	2.1	2.2	2.4
≥ 2500	80.0	86.0	77.9	72.9	61.2	49.2	37.7	28.8	19.2	13.4	9.1	6.1	2.8	2.2	2.3	2.5
≥ 2000	81.0	87.4	78.5	73.5	62.3	50.3	38.8	29.9	20.3	14.5	9.2	6.2	2.9	2.3	2.4	2.6
≥ 1800	81.1	87.5	78.6	73.6	62.4	50.4	38.9	29.9	20.4	14.6	9.3	6.3	2.9	2.3	2.4	2.6
≥ 1500	81.4	87.8	78.9	73.9	62.7	50.7	39.2	30.2	20.7	14.9	9.6	6.6	3.0	2.4	2.5	2.7
≥ 1200	81.4	87.8	78.9	73.9	62.7	50.7	39.2	30.2	20.7	14.9	9.6	6.6	3.0	2.4	2.5	2.7
≥ 1000	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 900	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 800	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 700	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 600	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 500	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 400	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 300	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 200	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 100	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8
≥ 0	81.7	88.0	79.3	74.3	63.7	51.2	39.7	30.7	21.2	15.4	10.1	7.1	3.1	2.5	2.6	2.8

TOTAL NUMBER OF OBSERVATIONS: 2342

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

# CEILING VERSUS VISIBILITY

STATION: WPAFB-NI HANCE KO YEARS: 66-70 MONTH: NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-2625  
 HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.2		
NO CEILING		41.5	45.7	47.5	48.4	51.1	53.7	54.9	55.6	55.6	55.2	55.2	55.3	55.3	56.2	57.4
IV 20000		43.5	49.3	51.4	52.5	54.2	55.8	56.9	57.9	58.2	58.4	59.7	59.7	59.7	60.1	61.1
IV 18000		44.4	51.1	51.1	54.2	54.9	57.5	58.7	59.7	59.9	60.1	60.4	60.4	60.4	60.9	61.8
IV 16000		44.4	51.1	51.8	54.9	55.6	58.2	59.4	60.4	60.6	60.9	61.1	61.1	61.1	61.5	62.5
IV 14000		46.6	51.1	52.5	55.6	56.6	59.2	60.4	61.3	61.6	61.8	62.1	62.1	62.1	62.5	63.5
IV 12000		46.6	52.7	53.7	57.0	58.3	60.5	61.8	62.9	63.2	63.2	63.5	63.5	63.5	64.0	64.9
IV 10000		48.5	54.4	55.1	58.7	59.7	62.5	63.7	64.7	64.9	65.2	65.4	65.4	65.4	65.9	66.9
IV 9000		48.7	54.4	55.3	59.4	60.5	63.5	64.7	65.6	65.9	66.1	66.3	66.3	66.3	66.8	67.8
IV 8000		50.6	56.6	57.8	61.6	62.8	65.6	66.8	67.8	68.2	68.3	68.5	68.5	68.5	69.0	69.9
IV 7000		51.1	58.7	59.9	63.5	64.2	67.1	68.3	69.2	69.5	69.7	69.9	69.9	69.9	70.4	71.4
IV 6000		52.3	59.5	59.4	63.5	64.7	67.8	69.0	69.9	70.2	70.4	70.6	70.6	70.6	71.1	72.1
IV 5000		54.9	61.1	62.1	67.1	68.3	71.4	72.6	73.5	74.1	74.2	74.5	74.5	74.5	74.9	75.9
IV 4500		55.2	62.1	63.3	68.0	69.2	72.3	73.5	74.5	74.9	75.2	75.4	75.4	75.4	75.9	76.8
IV 4000		57.9	64.2	65.4	70.6	71.3	75.2	76.6	77.6	78.2	78.3	78.5	78.5	78.5	79.2	80.2
IV 3500		59.4	66.1	67.3	72.8	74.3	77.3	78.3	79.7	80.7	81.1	81.4	81.6	81.6	82.1	83.1
IV 3000		61.1	69.7	70.9	77.6	78.8	82.3	83.8	84.7	85.7	86.2	86.4	86.6	86.6	87.1	88.1
IV 2500		64.4	71.1	73.2	80.4	81.6	85.2	86.9	87.8	88.8	89.3	89.5	89.5	89.5	90.2	91.2
IV 2000		66.1	73.7	75.4	82.8	84.9	87.6	89.3	90.2	91.2	91.6	91.9	92.4	92.4	92.8	93.8
IV 1800		66.1	73.7	75.4	82.8	84.9	87.6	89.3	90.2	91.2	91.6	91.9	92.4	92.4	92.8	93.8
IV 1500		66.6	74.2	75.7	83.3	84.5	88.1	89.7	90.7	91.6	92.1	92.4	92.8	92.8	93.3	94.3
IV 1200		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.6	94.6
IV 1000		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
IV 900		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
IV 800		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
IV 700		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
IV 600		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
IV 500		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	94.1	95.1
IV 400		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.3	93.3	94.3	95.2
IV 300		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	95.7
IV 200		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	97.1
IV 100		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	99.1
IV 0		66.6	74.2	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 416

LOCAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: WON-NI RANGE MO YEARS: 66-70, 73-77 MONTH: NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

60-1100  
 HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	43.0	51.8	52.5	55.7	56.3	56.8	57.6	58.0	58.2	58.3	58.5	58.6	58.6	58.6	58.6	58.6
≥ 20000	47.2	54.1	56.0	61.5	61.1	61.7	62.3	63.0	63.5	63.8	64.1	64.4	64.5	64.7	64.7	64.9
IV 18000	48.8	55.4	58.8	61.1	61.7	62.3	63.0	64.1	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.9
IV 16000	49.8	57.4	57.1	61.5	62.1	62.7	64.1	64.6	64.9	65.0	65.2	65.2	65.2	65.3	65.3	66.3
IV 14000	51.4	57.1	58.3	62.7	63.5	64.1	65.3	66.1	66.3	66.4	66.6	66.6	66.7	66.7	66.7	67.6
IV 12000	51.3	57.4	59.1	62.7	64.0	65.2	66.9	67.5	67.3	67.5	68.1	68.1	68.1	68.2	68.2	69.2
IV 10000	52.1	59.0	61.2	65.8	66.9	67.8	69.3	70.2	70.5	70.7	70.8	70.8	70.8	71.0	71.0	71.9
IV 9000	52.1	61.1	61.4	66.3	67.6	68.5	70.1	71.1	71.3	71.5	71.6	71.6	71.6	71.8	71.8	72.7
IV 8000	54.8	61.7	63.1	67.4	69.8	70.7	72.2	73.1	73.4	73.5	73.7	73.7	73.9	73.9	74.3	74.3
IV 7000	56.5	62.1	64.9	70.2	71.0	72.7	74.5	75.6	75.9	76.1	76.2	76.2	76.3	76.3	76.3	77.1
IV 6000	57.3	64.8	65.6	71.0	72.4	73.4	75.3	76.3	76.6	76.8	76.9	76.9	77.1	77.1	77.1	77.1
IV 5000	57.3	64.8	67.6	74.0	75.4	76.6	78.5	79.5	79.8	80.1	80.2	80.3	80.3	80.3	80.3	81.2
IV 4500	59.1	66.7	68.1	74.4	75.7	76.9	78.8	79.8	80.2	80.3	80.5	80.5	80.6	80.6	80.6	81.5
IV 4000	61.4	71.7	71.0	76.2	77.5	78.9	82.7	83.8	84.1	84.3	84.4	84.4	84.6	84.6	84.6	85.8
IV 3500	63.5	71.1	73.1	81.5	81.4	82.7	84.6	85.6	86.0	86.1	86.3	86.3	86.4	86.4	86.4	87.3
IV 3000	65.1	74.5	76.1	83.2	84.7	85.1	88.1	89.2	89.5	89.8	89.9	89.9	90.1	90.1	90.1	91.1
IV 2500	65.9	75.7	78.4	85.7	86.2	87.5	91.0	92.0	92.3	92.6	92.7	92.7	93.0	93.0	93.0	94.0
IV 2000	65.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 1800	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 1500	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 1200	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 1000	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 900	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 800	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 700	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 600	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 500	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 400	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 300	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 200	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 100	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0
IV 0	67.9	77.7	79.4	86.7	87.2	88.5	92.0	93.0	93.3	93.6	93.7	93.7	94.0	94.0	94.0	95.0

TOTAL NUMBER OF OBSERVATIONS 658

# CEILING VERSUS VISIBILITY

WALLACE FIELD, OHIO  
 1740  
 METEOROLOGICAL SERVICE / MAC

STATION: WALLACE FIELD, OHIO STATION NAME: WALLACE FIELD, OHIO YEARS: 50-70, 73-79 MONTH: NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS PER DAY

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.7	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0
NO CEILING	54.3	57.0	57.3	61.1	60.3	60.7	60.9	61.0	61.2	61.7	61.2	61.2	61.2	61.2	61.3	61.3
≥ 20000	57.4	61.0	61.2	67.1	65.6	65.7	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7
IVM 18000	57.2	61.0	62.0	65.2	66.7	66.8	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.9	67.9
IVM 16000	55.8	60.4	62.6	66.8	67.3	67.6	68.1	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.7
IVM 14000	61.0	63.4	63.5	67.9	68.4	68.6	69.2	69.5	69.6	69.6	69.6	69.6	69.6	69.8	69.8	69.8
IVM 12000	61.0	64.0	65.3	69.8	71.4	71.7	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	72.0	72.0
IVM 10000	62.6	66.0	66.3	71.4	72.3	72.4	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.9	73.9
IVM 9000	63.1	66.7	67.0	72.0	72.6	73.4	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5
IVM 8000	65.1	68.7	69.0	74.0	74.8	75.6	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7
IVM 7000	66.7	70.4	70.7	75.9	76.5	77.5	77.9	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6
IVM 6000	66.4	70.1	72.5	77.6	78.2	79.2	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3
IVM 5000	67.2	70.1	73.4	78.5	79.1	81.1	81.5	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2
IVM 4500	70.3	73.9	74.2	80.4	81.1	82.0	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1
IVM 4000	72.2	77.2	77.3	84.2	85.0	85.9	86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.1
IVM 3500	72.1	77.0	78.5	85.9	86.7	87.6	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7
IVM 3000	74.4	80.7	84.4	91.6	92.5	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.6	93.6
IVM 2500	81.2	85.7	87.2	92.6	94.4	95.3	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4
IVM 2000	81.8	87.2	87.9	94.5	95.5	96.4	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5
IVM 1800	82.0	87.3	88.1	94.7	95.6	96.6	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7
IVM 1500	82.2	87.5	88.3	95.3	96.2	97.2	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IVM 1200	82.2	87.5	88.3	95.3	96.2	97.2	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IVM 1000	82.2	87.5	88.3	95.3	96.2	97.2	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IVM 900	82.2	87.5	88.3	95.3	96.2	97.2	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IVM 800	82.2	87.5	88.3	95.3	96.2	97.2	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IVM 700	82.2	87.5	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7
IVM 600	82.2	87.6	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7
IVM 500	82.2	87.6	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7
IVM 400	82.2	87.6	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.9	98.9
IVM 300	82.2	87.6	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.9	98.9
IVM 200	82.2	87.6	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.9	98.9
IVM 100	82.2	87.6	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.9	98.9
IVM 0	82.2	87.6	88.4	95.5	96.4	97.4	97.9	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 639

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: WON-HI WANGA KP YEARS: 68-70, 73-79 MONTH: NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS LST

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		7.6	52.6	59.9	63.3	66.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000		62.2	64.0	63.2	63.4	69.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IVM 18000		63.9	65.2	63.5	63.8	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IVM 16000		63.9	65.1	66.9	71.2	70.9	72.8	71.8	72.2	72.8	70.6	72.3	72.8	70.6	72.3	72.8
IVM 14000		65.2	67.5	68.1	71.3	71.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IVM 12000		65.3	67.5	68.2	71.7	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IVM 10000		67.7	69.7	71.3	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IVM 9000		68.2	71.4	71.3	74.9	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IVM 8000		71.2	72.2	73.1	76.7	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IVM 7000		71.4	73.0	74.5	78.3	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IVM 6000		72.4	74.8	75.5	79.2	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IVM 5000		74.7	77.1	78.2	81.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IVM 4500		76.2	78.5	79.4	83.4	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IVM 4000		76.5	80.7	81.6	85.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IVM 3500		81.7	83.0	83.9	85.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IVM 3000		84.5	87.4	88.3	92.0	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IVM 2500		87.4	91.2	91.2	96.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IVM 2000		87.5	91.4	91.5	96.4	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 1800		87.5	91.4	91.5	96.4	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IVM 1500		87.7	91.6	91.7	96.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IVM 1200		88.1	91.8	92.1	97.1	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVM 1000		88.3	91.7	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 900		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 800		88.5	91.7	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 700		88.2	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 600		88.3	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 500		88.3	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 400		88.3	91.7	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 300		88.2	91.7	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 200		88.3	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 100		88.3	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 0		88.3	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 1500



USAF CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIRCRAFT SERVICE ZNAC

# CEILING VERSUS VISIBILITY

STATION: WADD-NI RANGE KO YEARS: 66-71, 73-74 MONTH: ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1	
NO CEILING ≥ 20000	51.7	54.1	54.7	57.6	58.1	58.4	59.3	59.4	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IVM 18000	54.6	58.3	59.3	63.1	63.7	64.4	65.1	65.4	65.7	65.7	65.9	65.9	65.9	65.9	65.9	66.1	66.5
IVM 16000	55.1	59.3	60.5	63.9	64.4	65.3	65.9	66.4	66.6	66.7	66.7	66.7	66.8	66.8	66.9	67.4	67.4
IVM 14000	58.1	60.3	61.1	65.0	65.6	65.5	67.1	67.6	67.6	67.6	67.8	67.8	67.8	67.9	68.0	68.1	68.5
IVM 12000	58.3	61.1	62.1	66.1	66.4	67.3	68.5	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.4	69.5	70.0
IVM 10000	58.5	61.1	64.2	66.1	66.9	67.2	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IVM 9000	58.5	62.7	64.4	65.7	69.7	70.7	71.5	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.6	73.0
IVM 8000	58.7	64.3	66.2	70.9	71.7	72.2	73.6	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.7	75.1
IVM 7000	58.2	64.3	67.6	70.5	73.4	74.6	75.5	76.0	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	77.0
IVM 6000	62.3	67.2	65.8	73.5	74.5	75.7	76.5	77.1	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.6	78.0
IVM 5000	64.9	69.4	70.3	76.2	77.2	78.5	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IVM 4500	65.7	70.1	71.9	77.1	78.1	79.4	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IVM 4000	65.5	70.1	74.0	80.2	81.5	82.2	83.7	84.3	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IVM 3500	70.2	75.4	76.5	83.3	83.5	84.8	85.7	86.4	86.6	86.7	86.8	86.9	86.9	86.9	86.9	87.0	87.0
IVM 3000	72.4	76.4	80.4	85.7	86.7	88.0	89.4	90.3	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IVM 2500	75.8	81.9	83.3	89.5	90.7	92.3	93.2	93.3	93.3	94.1	94.3	94.4	94.4	94.4	94.4	94.6	95.0
IVM 2000	76.6	81.9	84.0	91.6	91.9	93.4	94.4	95.0	95.3	95.5	95.6	95.7	95.7	95.7	95.7	95.9	96.2
IVM 1800	76.4	82.3	84.0	92.6	91.9	93.4	94.4	95.0	95.4	95.4	95.6	95.7	95.8	95.8	95.8	95.9	96.4
IVM 1500	76.3	83.7	84.3	91.1	92.4	93.9	94.9	95.0	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.4	96.9
IVM 1200	76.4	83.2	84.5	91.4	92.7	94.2	95.2	95.3	96.1	96.3	96.4	96.5	96.5	96.5	96.5	96.7	97.1
IVM 1000	77.1	83.3	84.6	91.4	92.3	94.3	95.3	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.7	96.9	97.4
IVM 900	77.1	83.3	84.6	91.4	92.9	94.4	95.4	95.9	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.8	97.3
IVM 800	77.1	83.4	84.6	91.5	92.9	94.4	95.5	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.9	97.1	97.4
IVM 700	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6
IVM 600	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6
IVM 500	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6
IVM 400	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6
IVM 300	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6
IVM 200	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6
IVM 100	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6
IVM 0	77.1	83.4	84.6	91.5	92.9	94.5	95.5	96.1	96.5	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.6

TOTAL NUMBER OF OBSERVATIONS: 2267

AL CLIMATOLOGY BRANCH  
 WOLFE  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 72 KOKON-VI RANGE W

YEARS: 68-70, 73-79

PERIOD: DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

68-73  
 HOURS: 151

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.20
NO CEILING	74.2	51.4	46.8	41.2	34.2	21.5	17.0	12.0	10.5	5.5	5.0	5.0	5.0	5.0	5.0
≥20000	1.3	3.7	7.9	49.2	71.5	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IVM 18000	12.3	27.7	36.9	49.2	51.3	54.3	55.3	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IVM 16000	12.0	35.1	41.2	47.5	51.5	55.1	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IVM 14000	21.5	32.7	41.2	49.5	51.5	55.1	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IVM 12000	22.0	31.7	41.2	47.5	51.5	55.1	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IVM 10000	33.2	32.7	41.2	51.5	51.5	53.5	57.1	57.6	57.6	57.6	58.1	58.1	58.1	58.1	58.1
IVM 9000	33.2	34.1	41.2	51.5	51.5	53.5	57.1	57.6	57.6	58.1	58.1	58.1	58.1	58.1	58.1
IVM 8000	34.8	41.7	43.7	54.8	56.8	60.6	61.1	60.6	60.6	61.4	61.4	61.4	61.9	61.9	61.9
IVM 7000	31.1	41.7	43.7	54.8	56.8	60.6	61.1	61.1	61.4	61.4	61.4	61.4	61.9	61.9	61.9
IVM 6000	35.2	41.7	47.9	54.3	57.3	61.1	61.9	62.1	62.5	62.8	62.8	63.1	63.1	63.4	63.4
IVM 5000	37.4	45.7	47.5	53.3	61.4	65.4	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IVM 4500	33.5	46.7	49.5	61.1	65.1	67.2	67.9	68.2	68.2	68.7	68.7	68.7	69.2	69.2	69.2
IVM 4000	41.4	51.7	53.0	65.7	67.7	72.0	72.7	73.0	73.5	73.5	73.5	73.5	74.0	74.0	74.0
IVM 3500	44.7	54.7	55.3	69.4	71.5	75.8	76.5	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IVM 3000	49.5	54.7	61.0	76.0	78.3	83.1	83.2	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IVM 2500	52.2	62.4	65.4	81.3	82.6	87.4	88.6	85.9	89.4	89.8	89.8	89.8	89.8	89.8	89.8
IVM 2000	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 1800	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 1500	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 1200	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 1000	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 900	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 800	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 700	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 600	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 500	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 400	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 300	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 200	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 100	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2
IVM 0	54.7	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	93.0	93.0	93.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS: 306

FEDERAL CLIMATOLOGY SERVICE  
 ETAC  
 DATA SERVICE/MAF

# CEILING VERSUS VISIBILITY

STATION NO. 73 WASH-NI RANGE RD  
 STATION NAME

SA-70, 73-70

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1951  
 HOURS PER YEAR

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	31.9	41.7	43.1	44.0	44.5	45.1	46.2	46.8	47.3	47.8	48.3	48.8	49.3	49.8	50.3	50.8
≥20000	32.3	43.1	44.5	45.4	45.9	46.5	47.6	48.2	48.7	49.2	49.7	50.2	50.7	51.2	51.7	52.2
IV 18000	32.8	43.6	45.0	45.9	46.4	47.0	48.1	48.7	49.2	49.7	50.2	50.7	51.2	51.7	52.2	52.7
IV 16000	32.3	43.1	44.5	45.4	45.9	46.5	47.6	48.2	48.7	49.2	49.7	50.2	50.7	51.2	51.7	52.2
IV 14000	32.8	43.6	45.0	45.9	46.4	47.0	48.1	48.7	49.2	49.7	50.2	50.7	51.2	51.7	52.2	52.7
IV 12000	33.2	44.0	45.4	46.3	46.8	47.4	48.5	49.1	49.6	50.1	50.6	51.1	51.6	52.1	52.6	53.1
IV 10000	33.7	44.5	45.9	46.8	47.3	47.9	49.0	49.6	50.1	50.6	51.1	51.6	52.1	52.6	53.1	53.6
IV 9000	34.2	45.0	46.4	47.3	47.8	48.4	49.5	50.1	50.6	51.1	51.6	52.1	52.6	53.1	53.6	54.1
IV 8000	34.7	45.5	46.9	47.8	48.3	48.9	50.0	50.6	51.1	51.6	52.1	52.6	53.1	53.6	54.1	54.6
IV 7000	35.2	46.0	47.4	48.3	48.8	49.4	50.5	51.1	51.6	52.1	52.6	53.1	53.6	54.1	54.6	55.1
IV 6000	35.7	46.5	47.9	48.8	49.3	49.9	51.0	51.6	52.1	52.6	53.1	53.6	54.1	54.6	55.1	55.6
IV 5000	36.2	47.0	48.4	49.3	49.8	50.4	51.5	52.1	52.6	53.1	53.6	54.1	54.6	55.1	55.6	56.1
IV 4500	36.7	47.5	48.9	49.8	50.3	50.9	52.0	52.6	53.1	53.6	54.1	54.6	55.1	55.6	56.1	56.6
IV 4000	37.2	48.0	49.4	50.3	50.8	51.4	52.5	53.1	53.6	54.1	54.6	55.1	55.6	56.1	56.6	57.1
IV 3500	37.7	48.5	49.9	50.8	51.3	51.9	53.0	53.6	54.1	54.6	55.1	55.6	56.1	56.6	57.1	57.6
IV 3000	38.2	49.0	50.4	51.3	51.8	52.4	53.5	54.1	54.6	55.1	55.6	56.1	56.6	57.1	57.6	58.1
IV 2500	38.7	49.5	50.9	51.8	52.3	52.9	54.0	54.6	55.1	55.6	56.1	56.6	57.1	57.6	58.1	58.6
IV 2000	39.2	50.0	51.4	52.3	52.8	53.4	54.5	55.1	55.6	56.1	56.6	57.1	57.6	58.1	58.6	59.1
IV 1800	39.7	50.5	51.9	52.8	53.3	53.9	55.0	55.6	56.1	56.6	57.1	57.6	58.1	58.6	59.1	59.6
IV 1500	40.2	51.0	52.4	53.3	53.8	54.4	55.5	56.1	56.6	57.1	57.6	58.1	58.6	59.1	59.6	60.1
IV 1300	40.7	51.5	52.9	53.8	54.3	54.9	56.0	56.6	57.1	57.6	58.1	58.6	59.1	59.6	60.1	60.6
IV 1000	41.2	52.0	53.4	54.3	54.8	55.4	56.5	57.1	57.6	58.1	58.6	59.1	59.6	60.1	60.6	61.1
IV 900	41.7	52.5	53.9	54.8	55.3	55.9	57.0	57.6	58.1	58.6	59.1	59.6	60.1	60.6	61.1	61.6
IV 800	42.2	53.0	54.4	55.3	55.8	56.4	57.5	58.1	58.6	59.1	59.6	60.1	60.6	61.1	61.6	62.1
IV 700	42.7	53.5	54.9	55.8	56.3	56.9	58.0	58.6	59.1	59.6	60.1	60.6	61.1	61.6	62.1	62.6
IV 600	43.2	54.0	55.4	56.3	56.8	57.4	58.5	59.1	59.6	60.1	60.6	61.1	61.6	62.1	62.6	63.1
IV 500	43.7	54.5	55.9	56.8	57.3	57.9	59.0	59.6	60.1	60.6	61.1	61.6	62.1	62.6	63.1	63.6
IV 400	44.2	55.0	56.4	57.3	57.8	58.4	59.5	60.1	60.6	61.1	61.6	62.1	62.6	63.1	63.6	64.1
IV 300	44.7	55.5	56.9	57.8	58.3	58.9	60.0	60.6	61.1	61.6	62.1	62.6	63.1	63.6	64.1	64.6
IV 200	45.2	56.0	57.4	58.3	58.8	59.4	60.5	61.1	61.6	62.1	62.6	63.1	63.6	64.1	64.6	65.1
IV 100	45.7	56.5	57.9	58.8	59.3	59.9	61.0	61.6	62.1	62.6	63.1	63.6	64.1	64.6	65.1	65.6
IV 0	46.2	57.0	58.4	59.3	59.8	60.4	61.5	62.1	62.6	63.1	63.6	64.1	64.6	65.1	65.6	66.1

TOTAL NUMBER OF OBSERVATIONS 635

CLIMATE DIVISION  
 METEOROLOGICAL SERVICE  
 WASHINGTON, D. C.

STATION

# CEILING VERSUS VISIBILITY

STATION NO. 13004-N4 RANGE KR  
 STATION NAME

PERIOD 67-73, 73-79

YEARS

PERIOD

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.75	≥1.5	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	43.2	57.1	64.1	68.2	71.7	74.7	77.1	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1
≥ 20000	47.4	58.7	65.4	69.2	72.7	75.7	78.1	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1
IV 18000	47.4	58.7	65.4	69.2	72.7	75.7	78.1	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1
IV 16000	47.4	58.7	65.4	69.2	72.7	75.7	78.1	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1
IV 14000	47.4	58.7	65.4	69.2	72.7	75.7	78.1	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1
IV 12000	47.4	58.7	65.4	69.2	72.7	75.7	78.1	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1
IV 10000	49.6	61.1	67.3	70.1	72.6	74.9	76.9	78.2	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1
IV 9000	49.6	61.1	67.3	70.1	72.6	74.9	76.9	78.2	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1
IV 8000	51.1	63.2	69.3	71.3	73.6	75.7	77.2	78.2	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1
IV 7000	51.1	63.2	69.3	71.3	73.6	75.7	77.2	78.2	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1
IV 6000	52.1	64.1	70.1	72.1	74.4	76.4	77.2	78.2	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1
IV 5000	54.5	67.7	73.1	75.4	77.2	78.2	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1	88.1
IV 4500	55.0	68.6	73.9	76.2	78.2	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1	88.1	89.1
IV 4000	57.2	70.1	73.3	75.3	77.8	78.8	79.1	80.1	81.1	82.1	83.1	84.1	85.1	86.1	87.1	88.1
IV 3500	58.6	75.4	78.7	80.9	83.4	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	62.0	77.3	78.6	80.3	82.8	84.3	85.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	63.5	79.6	81.2	82.2	83.3	84.7	85.9	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2000	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1800	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1500	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1200	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1000	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 900	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 800	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 700	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 600	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 500	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 400	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 300	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 200	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 100	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 0	65.7	81.7	83.2	83.9	84.7	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6

TOTAL NUMBER OF OBSERVATIONS 589

UNITED STATES AIR FORCE  
 15-1100-1  
 WEATHER SERVICE/NAAC

USE WITH FORM 15-1100-1  
 SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

STATION

WGN-NI LAUSE KD

65-77, 75-79

YEARS

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1977-1979  
 HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING ≥ 20000	52.7	55.2	55.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	53.2	62.6	62.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 16000	53.4	63.8	63.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 14000	59.0	64.8	64.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 12000	59.6	65.2	65.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 10000	59.4	67.6	67.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 9000	52.4	63.6	64.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	63.4	68.6	68.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	63.4	68.6	68.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	65.6	70.2	70.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	66.6	72.0	72.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4500	63.0	73.4	73.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 4000	72.2	77.6	77.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	74.0	79.6	79.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	73.6	84.2	84.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500	80.4	86.2	86.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	82.2	88.0	88.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	82.4	88.2	88.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	83.4	89.2	89.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	83.6	89.6	89.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 100	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 0	84.4	90.6	90.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
METEOROLOGICAL SERVICE/AMC

DATE  
SITE

# CEILING VERSUS VISIBILITY

4 773  
STATION

WINDON-VI RANGE KO  
STATION NAME

63-70, 73-79  
YEARS

DLC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.0
NO CEILING																
≥ 20000	39.3	46.5	47.7	54.6	55.3	56.2	56.6	56.6	56.6	56.7	56.7	56.7	56.9	56.9	56.9	57.0
18000	42.8	51.1	52.5	61.7	61.4	62.5	62.9	62.9	62.9	62.9	63.1	63.1	63.3	63.3	63.3	63.3
16000	42.9	51.5	52.9	61.2	61.9	63.0	63.4	63.4	63.4	63.6	63.6	63.6	63.8	63.8	63.8	63.9
14000	43.4	52.0	53.5	61.9	62.6	63.7	64.2	64.2	64.2	64.3	64.4	64.4	64.6	64.6	64.6	64.7
12000	44.1	52.7	54.2	62.8	63.5	64.6	65.0	65.0	65.0	65.2	65.3	65.3	65.5	65.5	65.5	65.6
10000	44.9	53.4	54.9	64.0	64.7	65.8	66.3	66.3	66.3	66.5	66.6	66.6	66.9	66.9	66.9	67.0
9000	45.2	54.2	55.7	64.4	65.1	66.2	66.7	66.7	66.7	66.8	66.9	66.9	67.1	67.1	67.1	67.2
8000	46.3	55.8	57.1	66.1	66.8	68.0	68.4	68.4	68.4	68.5	68.7	68.8	68.9	68.9	68.9	69.0
7000	46.4	56.5	57.8	66.9	67.6	68.8	69.2	69.2	69.2	69.3	69.5	69.6	69.7	69.7	69.7	69.8
6000	47.8	57.8	59.2	68.3	69.1	70.2	70.4	70.4	70.4	70.6	70.7	70.7	70.9	70.9	70.9	71.0
5000	49.0	60.2	61.6	71.1	71.8	73.1	73.5	73.5	73.5	73.6	73.8	73.9	74.0	74.0	74.1	74.1
4500	50.7	61.4	62.8	72.4	73.2	74.4	74.9	74.9	74.9	75.1	75.2	75.2	75.3	75.3	75.4	75.4
4000	53.9	64.9	66.4	75.3	77.0	78.3	78.8	78.8	78.8	79.1	79.2	79.2	79.3	79.3	79.4	79.4
3500	55.2	67.8	69.3	79.7	80.5	81.8	82.5	82.5	82.5	82.8	82.9	82.9	83.2	83.2	83.3	83.3
3000	59.5	71.0	72.5	84.3	85.1	86.4	87.5	87.5	87.5	88.1	88.1	88.1	88.3	88.3	88.4	88.5
2500	61.4	74.0	75.7	87.5	88.4	89.3	91.1	91.2	91.6	91.8	91.8	91.8	92.3	92.3	92.3	92.3
2000	62.0	75.1	76.8	90.3	91.4	93.5	94.3	94.5	95.0	95.0	95.0	95.2	95.5	95.5	95.6	95.6
1800	62.0	76.1	78.1	91.5	91.5	92.7	94.5	94.7	95.2	95.4	95.4	95.4	95.7	95.7	95.8	95.8
1500	63.4	76.7	78.8	91.4	92.6	95.0	95.8	95.9	96.5	96.7	96.7	96.7	97.1	97.1	97.2	97.3
1200	63.6	76.9	79.0	91.6	92.8	95.3	96.2	96.3	96.9	97.1	97.1	97.1	97.5	97.5	97.6	97.6
1000	63.5	77.0	79.2	91.9	93.1	95.7	96.6	96.7	97.5	97.8	97.8	97.9	98.2	98.2	98.3	98.4
900	63.5	77.0	79.3	92.0	93.2	95.8	96.7	96.8	97.6	97.9	98.0	98.0	98.3	98.3	98.4	98.5
800	63.9	77.3	79.5	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.1	98.2	98.7	98.7	98.9	98.9
700	63.7	77.3	79.5	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.1	98.2	98.7	98.7	98.9	98.9
600	63.9	77.3	79.5	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.1	98.2	98.7	98.7	98.9	98.9
500	63.7	77.3	79.5	92.1	93.3	96.0	97.0	97.2	97.9	98.2	98.2	98.3	98.8	98.9	99.0	99.0
400	63.9	77.5	79.5	92.1	93.3	96.0	97.0	97.2	97.9	98.2	98.2	98.3	98.9	98.9	99.1	99.1
300	63.9	77.5	79.5	92.1	93.3	96.0	97.0	97.2	97.9	98.2	98.2	98.3	98.9	98.9	99.1	99.1
200	63.9	77.5	79.5	92.1	93.3	96.0	97.0	97.2	97.9	98.2	98.2	98.3	98.9	98.9	99.1	99.1
100	63.9	77.5	79.5	92.1	93.3	96.0	97.0	97.2	97.9	98.2	98.2	98.3	98.9	98.9	99.1	99.1
0	63.9	77.5	79.5	92.1	93.3	96.0	97.0	97.2	97.9	98.2	98.2	98.3	98.9	98.9	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 151

FEDERAL AVIATION ADMINISTRATION  
 AIR TRAFFIC SERVICE/ALAC

# CEILING VERSUS VISIBILITY

4073  
 STATION

MOON-VI TAYNE KC  
 STATION NAME

1970-73  
 YEARS

ALL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																	
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.2				
NO CEILING		43.3	47.1	48.8	51.9	52.2	52.5	52.8	52.9	53.	53.	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000		50.3	55.1	58.6	60.3	60.6	61.0	61.3	61.4	61.5	61.6	61.6	61.7	61.7	61.8	61.8	61.8	61.8
18000		50.7	56.4	57.2	61.0	61.3	61.7	62.0	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4
16000		50.7	56.6	57.5	61.2	61.5	61.9	62.3	62.4	62.5	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.8
14000		52.1	57.9	58.8	62.6	62.9	63.4	63.7	63.8	63.9	64.	64.1	64.1	64.1	64.1	64.2	64.2	64.3
12000		53.2	59.3	60.8	64.8	65.1	65.6	65.9	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5
10000		56.3	62.4	63.9	66.1	66.5	67.0	67.4	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.9	67.9	68.0
9000		57.2	63.3	64.9	69.2	69.6	70.1	70.5	70.6	70.7	70.8	70.8	70.9	70.9	71.0	71.0	71.1	71.1
8000		59.1	66.0	67.1	71.7	72.1	72.6	73.0	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6
7000		59.2	67.3	68.5	73.2	73.6	74.2	74.6	74.8	74.9	75.	75.1	75.1	75.1	75.2	75.2	75.2	75.2
6000		61.1	69.3	69.4	74.2	74.6	75.2	75.6	75.7	75.9	76.	76.0	76.1	76.1	76.2	76.2	76.2	76.2
5000		62.6	71.1	71.3	76.2	76.6	77.2	77.7	77.9	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.3
4500		63.1	71.7	71.9	76.9	77.3	77.9	78.3	78.5	78.7	78.7	78.8	78.8	78.8	78.9	78.9	78.9	79.0
4000		65.3	72.8	74.	78.2	78.7	79.3	79.8	80.2	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.6
3500		66.4	74.4	75.7	81.1	81.5	82.2	82.7	82.9	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.4	83.4
3000		68.8	77.7	78.6	84.4	84.8	85.7	86.2	86.3	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8
2500		70.4	79.1	80.6	86.7	87.2	88.1	88.6	88.8	89.	89.1	89.2	89.2	89.3	89.3	89.3	89.4	89.4
2000		71.7	80.7	82.3	89.9	89.5	90.5	91.1	91.3	91.6	91.7	91.8	91.9	91.9	92.0	92.0	92.1	92.1
1800		71.9	81.1	82.6	89.2	89.8	90.3	91.4	91.7	92.0	92.1	92.1	92.2	92.2	92.2	92.3	92.4	92.4
1500		72.3	82.1	83.8	90.8	91.5	92.7	93.3	93.6	93.9	94.	94.1	94.2	94.2	94.2	94.3	94.4	94.4
1200		73.4	82.8	84.6	91.8	92.5	93.7	94.4	94.5	95.0	95.1	95.1	95.2	95.3	95.3	95.3	95.5	95.5
1000		73.9	83.4	85.3	92.9	93.5	94.9	95.6	95.9	96.3	96.5	96.6	96.7	96.7	96.8	96.8	96.9	96.9
900		74.0	83.6	85.5	92.9	93.7	95.0	95.8	96.1	96.5	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.0
800		74.1	83.9	85.7	93.2	94.3	95.4	96.2	96.5	97.	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5
700		74.2	84.1	85.8	93.5	94.3	95.7	96.5	96.8	97.2	97.4	97.5	97.7	97.7	97.7	97.8	97.9	97.9
600		74.3	84.1	86.0	93.7	94.5	95.9	96.8	97.1	97.5	97.7	97.8	98.0	98.0	98.1	98.1	98.2	98.2
500		74.4	84.2	86.2	93.9	94.8	96.3	97.1	97.5	97.9	98.2	98.2	98.4	98.5	98.5	98.6	98.6	98.6
400		74.5	84.3	86.2	94.0	94.8	96.4	97.3	97.7	98.1	98.4	98.5	98.7	98.7	98.7	98.9	98.9	98.9
300		74.5	84.3	86.2	94.0	94.9	96.5	97.4	97.8	98.2	98.5	98.6	98.9	98.9	99.0	99.1	99.1	99.1
200		74.5	84.3	86.2	94.0	94.9	96.5	97.4	97.8	98.2	98.5	98.6	98.9	98.9	99.0	99.1	99.1	99.1
100		74.5	84.3	86.2	94.1	94.9	96.5	97.4	97.8	98.3	98.5	98.6	99.0	99.0	99.1	99.1	99.1	99.1
0		74.5	84.3	86.2	94.1	94.9	96.5	97.4	97.8	98.3	98.6	98.7	99.0	99.0	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 26605

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

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

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10





























GLOBAL CLIMATOLOGY BRANCH  
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 SEE FIRST PAGE

**SKY COVER**

43273

KOON-NI RANGE KO

73-80

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	19.4	12.9		9.3	6.5	7.2	8.0		15.2	6.0	15.6	4.8	190
FEB		13.6	8.9		4.8	11.9	4.2	9.7		11.6	8.3	27.3	5.9	133
MAR		11.0	8.7		7.8	10.3	2.3	9.0		7.5	6.6	36.9	6.3	154
APR		10.8	5.5		7.8	3.8	3.0	4.3		9.7	18.4	36.7	7.0	138
MAY		25.0	6.1		2.6	3.0	3.6	3.4		13.1	11.2	32.2	5.9	143
JUN		9.0	10.9		9.0	3.3	6.2	5.0		8.3	13.2	35.2	6.5	217
JUL		6.7	7.1		6.3	6.0	8.0	5.6		7.6	15.2	37.7	7.0	203
AUG		3.1	11.2		4.4	4.3	6.2	5.8		15.8	15.4	34.0	7.1	174
SEP		6.5	4.4		9.0	5.4	7.9	4.6		11.6	17.5	33.3	7.0	172
OCT		13.3	16.2		5.5	7.9	5.0	6.4		8.8	7.7	29.4	5.6	130
NOV		12.3	21.6		9.2	4.7	4.6	7.6		9.0	13.6	17.5	5.1	174
DEC		10.1	16.9		10.4	9.4	3.1	4.7		8.8	10.9	25.7	5.6	171
TOTALS		11.7	10.9		7.2	6.4	5.1	6.2		10.6	12.0	30.1	6.2	1999

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

Values for mean and standard deviation do not include measurements for

Continued on Reverse

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

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

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\Sigma X^2$ ), 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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 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC  
 4173 KOON-NI RANGE KO  
 STATION STATION NAME

USE WITH CAUTION  
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**DAILY TEMPERATURES**

71-80

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95							1.9	.9					.2
90							8.2	7.0					1.3
85						1.8	28.8	32.5	3.8				5.7
80					3.2	19.9	69.7	72.8	27.8	.5			16.3
75				3.7	15.5	57.9	92.3	93.4	67.5	9.7			23.0
70				8.8	31.8	80.1	99.0	99.1	58.7	29.0	1.4		36.8
65				20.3	56.8	97.3	99.5	100.0	98.1	58.1	6.1		45.1
60			3.8	46.1	90.0	100.0	100.0		100.0	82.5	23.8	.5	54.5
55	.5	2.6	18.4	73.3	99.1					93.5	48.6	3.8	62.3
50	2.8	8.4	35.9	91.7	100.0					98.2	66.8	11.0	68.6
45	7.5	12.6	56.8	97.7						99.1	72.9	28.2	73.7
40	31.0	31.9	79.5	100.0						99.5	85.0	46.4	81.8
35	53.1	58.6	92.7							100.0	95.8	72.2	89.8
30	74.2	75.9	98.7								99.5	88.0	95.0
25	87.8	89.0	99.6								100.0	96.2	97.8
20	95.8	95.8	100.0									98.6	99.2
15	100.0	99.5										100.0	100.0
10		100.0											100.0
MEAN	34.6	35.9	46.1	59.0	67.0	74.9	82.2	82.4	76.0	65.6	51.9	39.3	59.6
S.D.	8.152	8.855	7.819	7.509	6.208	5.106	5.606	5.196	4.972	6.949	9.546	8.460	18.312
TOTAL OBS.	213	191	234	217	220	221	208	228	212	217	214	209	2584





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**PSYCHROMETRIC SUMMARY**

43273 KJQY-NI RANGE KO STATION NAME

69-70-73-80 YEARS

JAN MONTH

PAGE 1 1969-1970 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
44/ 42		.5																3	2		
42/ 41		.5	.5															4	4		
41/ 39	.3	.3																2	2	3	3
39/ 37		1.3	.5															7	7	4	4
36/ 35	.3	2.7	2.1	.3														10	20	3	7
34/ 33		1.9	.8															10	10	1	6
32/ 31	.3	4.9	2.1															27	27	17	11
31/ 29	.8	2.9	1.3															19	19	25	17
29/ 27	1.3	8.0	1.9															42	42	26	22
26/ 25	1.1	4.3	.8															23	23	4	16
24/ 23	1.6	6.4	3.5															43	43	25	27
22/ 21	.9	6.4	1.1															31	31	27	22
20/ 19	.8	3.5	1.6															22	22	35	29
18/ 17	.3	4.8	.5															21	21	19	22
16/ 15	1.1	7.2	1.1															35	35	30	18
14/ 13		4.0	.8															18	18	34	14
12/ 11		1.9																7	7	15	28
11/ 9	.3	3.8																15	15	14	29
9/ 7	.3	1.6																7	7	9	20
8/ 8	.8	2.4																12	12	13	26
4/ 3		.9																3	3	3	10
2/ 1	.3																	1	1	4	5
0/ -1	.5																	2	2	2	17
-1/ -3																					
-4/ -5																					
-10/ -11																					
-18/ -19																					
TOTAL	10.77	9.21	8.8	.3														373	373	373	373

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

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2125753	27741	74.4	12.970	373	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	218490	8416	22.6	8.768	373	.5	81.8					373
Wet Bulb	190573	7803	20.9	8.573	373	.5	84.3					373
Dew Point	130327	5728	15.4	10.671	373	9.2	89.5					373

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PSYCHROMETRIC SUMMARY

42273 KOON-NI RANGE KO STATION NAME

69-70, 73-80 YEARS

YEARS

JE MONTH

PAGE 1

09-0-115 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
43/ 47			.3																														2	3				
42/ 45			.3		.3																												6	6				
41/ 43			.3	.5																													5	5	4			
42/ 41	.2		.9	.3																													6	6	3			
43/ 39	.3	2.0	1.4	.3																													16	26	7	4		
42/ 37	.3	2.3	2.0	.6																													34	34	23	6		
40/ 35	.2	4.0	2.3	.5																													45	45	36	17		
34/ 33	.6	2.4	2.7	.3																													40	40	41	27		
32/ 31	.5	4.7	4.0	.3	.2																												63	63	46	31		
31/ 29	.3	5.8	2.6	.3																													59	59	64	27		
31/ 27	1.1	6.4	3.5	.3																													74	74	64	31		
30/ 25	.2	5.0	2.4																														30	30	67	27		
34/ 23	.2	5.8	3.1	.2																													60	60	59	44		
32/ 21	.5	4.7	2.0	.3																													49	49	61	34		
31/ 19	.3	2.3	2.3																														27	27	51	61		
30/ 17	.2	2.9	1.1																														27	27	28	44		
30/ 15	.3	2.0	1.5																														25	25	29	39		
34/ 13		2.7	.6																														22	22	23	39		
31/ 11	.2	1.5	.2																														12	12	29	24		
31/ 9		2.3	.2																														14	14	13	26		
31/ 7		.6																															4	4	10	21		
31/ 5		.3																															2	2	4	4		
31/ 3		.9																															3	3	3	16		
31/ 1																																				2	15	
31/ -1																																				1	17	
31/ -3																																					1	17
34/ -5																																					1	1
34/ -9																																					1	1
-13/ -13																																					1	1
-14/ -15																																					1	1
TOTAL	4.9	58.0	32.8	4.1	.2																													655	655	655		

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

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	517109	17589	26.9	8.275	655		69.7					655
Wet Bulb	438728	16108	24.6	8.080	655		76.8					655
Dew Point	294040	11998	18.3	10.662	655	6.0	85.6					655

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# PSYCHROMETRIC SUMMARY

42273 KOON-NI RANGE KO 69-70.73-80 JAN  
STATION STATION NAME YEARS MONTH  
PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
54/ 53				.3	.3													4	4		
52/ 51				.3														2	2		
50/ 49			.3	.2														3	3		
48/ 47			.5	.3	.2													5	6	4	
46/ 45		.2	.5	1.4	.4	.2												19	19	4	
44/ 43		.5	.3	1.3	.2													15	15	4	
42/ 41	.2	1.6	4.9	.5	.5													48	48	11	
40/ 39	.2	2.7	5.2	2.4	.9													72	72	24	
38/ 37	.3	1.7	2.4	1.7														39	39	63	
36/ 35		2.2	3.0	1.4	.2													43	43	49	
34/ 33	.2	.9	4.6	2.5														52	52	47	
32/ 31	.2	1.1	3.9	2.0														46	46	52	
30/ 29		2.7	3.9	1.4														51	51	49	
28/ 27	.2	3.6	3.6	2.5														63	63	59	
26/ 25		2.5	3.6	.8														44	44	61	
24/ 23	.2	2.7	4.2	.3														47	47	57	
22/ 21		.9	3.3															27	27	44	
20/ 19		1.3	2.7															21	21	34	
18/ 17		.3	1.4															11	11	30	
16/ 15		.6	1.4															12	12	15	
14/ 13		.5	.5															6	6	16	
12/ 11		.5	.3															5	5	11	
10/ 9		.2																1	1	5	
8/ 7																				1	
6/ 5																					
4/ 3																					
2/ 1																					
0/ -1																					
-2/ -3																					
-4/ -5																					
TOTAL	1.3	26.7	49.6	19.3	3.7	.2												637	637	637	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2733430	46766	64.0	13.993	637	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	686257	20236	31.3	8.261	637		48.8					
Wet Bulb	554998	18738	28.3	7.952	637		62.3					
Dew Point	343256	13046	20.9	10.936	637	4.1	60.3					

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

GLOBAL CLIMATOLOGY BRANCH  
 GRAFLETAC  
 AIR WEATHER SERVICE/14C

**PSYCHROMETRIC SUMMARY**

STATION: 40273 KJON-NI RANGE, KO STATION NAME: YEARS: 62-71, 73-81 MONTH: JAN

PAGE 1 15 10-17 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
54/ 55				.4														2	2	
54/ 53					.4													2	2	
52/ 51				.9														5	5	
50/ 48					.2													1	1	
48/ 47			.4	.2														3	3	
46/ 45		.6	.4	.4														13	13	
44/ 45		.6	2.3	1.9	.9													10	10	
42/ 41		.8	5.3	.9	.8	.2												42	42	
40/ 39		2.3	5.1	1.9	.6													45	55	
38/ 37	.6	.9	4.1	1.7	.4													41	42	
36/ 35	.4	1.9	3.2	.4	.2													32	37	
34/ 33		.9	5.3	1.7	.2													43	43	
32/ 31	.2	1.5	3.6	2.3														40	40	
30/ 29		1.7	5.3	1.7	.5													49	49	
28/ 27		3.6	2.4	2.8														47	48	
26/ 25		.6	1.9	1.3														20	20	
24/ 23	.2	2.6	4.5	.8														43	43	
22/ 21		1.1	3.6	.2														16	26	
20/ 19		.3	2.3															16	16	
18/ 17		.8	1.1															10	10	
16/ 15		.4	.2															7	7	
14/ 13		.2	.4															3	3	
12/ 11		.4	.2															3	3	
10/ 9																				
8/ 7																				
6/ 5																				
4/ 3																				
2/ 1																				
0/ 0																				
100	1.1	2.2	7.5	2.0	19.3	4.9	.6											533	535	
Σ X'	Σ X	Σ X <sup>2</sup>	Σ X <sup>3</sup>	Σ X <sup>4</sup>	No. Obs.	Mean No. of Hours with Temperature					Total									
2276421	33961	63.7	14.544	533	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	533									
17372	32.5	8.252	535	46.1							535									
15399	28.9	7.932	533	57.9							533									
11184	21.3	11.031	533	78.5	2.6	78.5					533									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SEE WITH PREVIOUS EDITIONS  
 SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

43 73 STATION KRON-NI RANGE KO 62-7, 73-50 YEARS MONTH PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
50 / 55				.1														2	2		
54 / 53				.1	.2													6	6		
57 / 51				.2														7	7		
61 / 49			.1															4	4		
62 / 47			.3	.1														11	11		
63 / 45		.3	.3	.6	.4	.1												28	28	7	
64 / 43		.4	.7	1.3	.3													52	52	13	7
67 / 41	.1	.7	2.9	.5	.3	.1												100	100	25	13
71 / 39	.2	2.1	3.1	1.2	.4													155	155	39	21
72 / 37	.3	1.6	2.4	1.1	.1													121	122	159	12
77 / 35	.2	2.7	2.7	.7	.1													140	142	132	64
84 / 33	.2	1.5	3.5	1.2														145	145	157	99
87 / 31	.3	2.9	3.5	1.2	.1													176	176	146	135
91 / 29	.2	3.4	3.4	.9	.1													173	172	183	114
97 / 27	.6	5.2	3.1	1.5														226	227	186	127
101 / 25	.3	3.1	2.4	.5														137	137	213	147
107 / 23	.4	4.2	3.9	.3														193	193	166	158
112 / 21	.3	3.5	2.6	.1														173	133	166	123
117 / 19	.3	1.7	2.1															36	36	184	171
121 / 17	.1	2.3	1.1															69	69	111	110
127 / 15	.3	2.1	1.2															79	79	61	62
133 / 13		1.7	.5															49	49	83	116
141 / 11	.1	1.1	.3															27	27		61
147 / 9	.1	1.3	.3															30	30	34	110
157 / 7	.1	.3																11	11	23	61
167 / 5	.1	.3																14	14	17	111
177 / 3		.3																6	6	0	0
187 / 1																		1	1	0	0
197 / -1	.1																	2	2	2	0
207 / -3																					0
217 / -5																					0
227 / -9																					0
237 / -11																					0
247 / -13																					0
Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

USE WITH CAUTION  
 SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

47073 STATION KOON-NI RANGE KD STATION NAME 69-70, 73-81 YEARS 24 MONTH JAN PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb		Dew Point		
-14/-15																							
-13/-19																							
TOTAL	4.1	42.3	39.9	11.6	2.1	.2														2158	2210	2150	

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>x</sub>	X	σ <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	10546514	148900	67.7	14.462	2198							744
Dry Bulb	2322291	63613	28.9	9.121	2200	.7	479.5					744
Wet Bulb	1658670	57346	26.1	8.600	2198	.7	554.4					744
Dew Point	1067024	41954	19.1	11.008	2198	41.3	664.1					744

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# PSYCHROMETRIC SUMMARY

42773 KOON-NI RANGE KO  
STATION

69-70, 73-80  
YEARS

FEB  
MONTH

PAGE 1 06.0-1800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
47/47				.6														2	2		
44/43		.6																2	2		
42/41		.6	.6															4	4	2	1
40/39		2.6	.3															10	10	2	1
38/37	.3	2.6	.3															11	11	13	5
36/35		2.9	1.1	.3														19	15	9	2
34/33	1.4	3.7	2.6															27	27	25	11
32/31		6.9	3.4	.9														39	32	26	16
30/29	.6	6.3	3.2	.3														35	35	36	2
28/27	2.3	7.2	1.7															39	39	32	7
26/25	.6	8.0	.6															32	32	49	30
24/23		7.2	1.1	.3														30	30	27	23
22/21	.6	3.2	1.1															17	17	21	20
20/19		3.4	2.3															25	28	16	24
18/17	.3	.9	1.1															9	8	10	22
16/15		2.6	1.7															15	15	12	17
14/13		1.1																4	4	16	10
12/11		2.6	.3															10	10	11	10
10/9	.6	4.3																17	17	12	11
8/7		2.3																7	7	12	1
6/5	.3	.3																2	2	5	14
4/3		.3																1	1		
2/1																					1
0/-1																					1
-2/-3	.3																	1	1	1	0
-4/-5																					0
-6/-7																					0
-8/-11																					1
-14/-15																					1
TOTAL	7.269	21.6	2.3															348	343	345	34

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1971639	25797	74.113	7.75	342			2	66.9			66.9
Wet Bulb	225098	8342	24.0	8.510	342		2	71.2				71.2
Dew Point	164948	6418	18.41	7.78	342	6.3	77.5					77.5

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CARE  
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# PSYCHROMETRIC SUMMARY

STATION 48073 KOON-NI RANGE KD STATION NAME 69-73,73-80 YEARS PAGE 1 MONTH 19 2-11 1954 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
49			.3	.2													3	3		
47			.5	.3													5	5		
45		.6	.5	.5	.3												12	12	4	
43		.2	.6	1.1													12	12	7	
41		1.5	2.3		.2												24	24	7	
39		2.6	2.3	1.3													38	38	7	
37	.3	3.1	1.8	1.5													41	41	15	
35		4.4	4.9	1.1													64	64	25	
33	.8	3.4	6.2	1.3													71	71	37	
31	1.2	3.4	4.7	.8	.2												62	62	47	
29	.5	4.2	5.5	.5	.2												67	67	37	
27	.3	3.2	3.1	.6													45	45	36	
25	.2	1.8	2.8														29	29	31	
23		2.1	3.1	.3													34	34	67	
21		1.0	3.6														28	28	49	
19		1.5	1.9														21	21	29	
17		.6	1.6														14	14	41	
15		2.1	.6														17	17	17	
13		1.9	.2														13	13	17	
11		1.5	.5														12	12	11	
9			.3														2	2	2	
7		.2															1	1	1	
5		.3															2	2	41	
3																			11	
1																			11	
-1																			1	
-3																			7	
-5																			2	
-7																			1	
-9																			1	
-11																			1	
TOTAL	1.1	39.5	47.7	9.6	.8												617	617	617	

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

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3152392	42550	69.0	13.842	617	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	609597	18715	30.3	8.250	617		47.2					54
Wet Bulb	508180	16992	27.5	8.081	617		60.0					54
Dew Point	344023	12937	21.0	10.869	617	2.7	71.5					54

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# PSYCHROMETRIC SUMMARY

4773 KOON-NI RANGE KO 69-70, 73-80 YEARS FEB

PAGE 1 129-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
57					.7													1	1	
55					.5	.3												5	5	
53			.3	.2	.3													5	5	
51			.2	.5	.7	.2												9	9	
49		.5	.3	.8	.9	.5												13	13	4
47		.3	.2	.7	1.2	.8												14	14	8
45		.8	1.8	1.5	1.3	.3												35	35	16
43		1.0	1.2	1.7	.8	.2												29	29	16
41	.2	2.3	3.2	1.7	1.1													50	50	22
39	.8	2.2	3.3	1.2														43	43	21
37	.5	2.3	3.2	3.2	.6													58	58	45
35		2.3	3.2	3.5	1.2													61	61	45
33	.8	.3	3.2	1.5	.3													37	37	51
31	.3	1.7	3.3	2.0	.3													46	46	51
29		.8	2.8	.3	.3													26	26	55
27		1.3	4.7	2.0														44	44	37
25		.5	2.2	1.7														26	26	44
23		1.3	3.5	.5														32	32	23
21		.3	2.5															17	17	35
19		.7	3.2															23	23	29
17		.2	1.5															10	10	19
15		.8	.3															7	7	25
13		.2	.2															2	2	10
11			.3															2	2	21
9																				2
7																				
5																				
3																				
1																				
-1																				
-3																				
-5																				
-7																				
-9																				
Element (X)	Σ x <sup>1</sup>	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

4773 KQON-NI RANGE KO STATION NAME 69-70.73-80 YEARS FEB MONTH

PAGE 1 156-170 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
59/59					.4	.2												3	3		
58/57					.2	.2												2	2		
54/53			.4	.4	.4	.2												7	7		
52/51			.2	.6	.6	.2												5	5		
51/49			.4	.6	1.2	.2												12	12	5	
49/47		.4	.4	1.8	1.8	.6												25	25	4	
45/45		.2	.8	2.6	1.4	.2												26	27	6	
44/43		1.2	.2	2.8	.4													23	23	17	
42/41	.2	3.4	4.4	2.0	.8													54	54	34	
41/39	.6	3.0	1.8	2.8	.8													45	45	51	
39/37	.8	1.8	4.4	2.4	.6													49	49	55	
39/35	.6	1.6	3.2	3.2	1.2													45	45	28	
34/33		.6	2.2	2.2	.4													27	27	47	
32/31		.8	3.6	2.2	.2													33	33	34	
29/29		1.4	2.4	.6														22	22	43	
28/27		1.6	4.4	2.2														40	40	38	
26/25		.8	.8	2.8														22	22	35	
24/23		.8	2.4	1.8														21	21	18	
22/21			2.2	.2														12	12	28	
21/19		.3	2.2															15	15	27	
18/17		.4	1.2															7	7	16	
16/15		.2	.2															2	2	15	
14/13			.2															1	1	2	
12/11			.2															1	1	1	
9/9																				1	
7/7																					
5/5																					
4/3																					
2/1																					
1/-1																					
-2/-3																					
-6/-7																					
TOTAL	1.4	19.0	37.9	29.9	10.4	1.8												499	510	499	
Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	2019139	30833	61.8	15.129	499	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	675753	17847	35.7	8.809	500		29.6														
Wet Bulb	529453	15717	31.5	8.307	499		42.8														
Dew Point	334341	11589	23.2	11.442	499	2.2	64.6														

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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**PSYCHROMETRIC SUMMARY**

4773 STATION KRON-NI RANGE KC STATION NAME 69-70, 73-80 YEARS FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
59/59					.1	.7												3	3		
57/57					.1	.0												3	3		
55/55					.1	.1												5	5		
53/53			.2	.1	.2	.0												12	12		
51/51			.1	.1	.3	.1												14	14	2	
49/49		.1	.3	.4	.5	.2												23	33	9	
47/47		.2	.3	.8	.8	.1												46	46	12	
45/45		.5	.9	1.2	.5	.1												73	74	26	
43/43		.7	.6	1.5	.3	.0												66	66	42	
41/41	.1	2.0	2.8	1.3	.5													132	132	73	
39/39	.4	2.6	2.7	1.4	.2													136	136	126	
37/37	.4	2.5	2.6	1.9	.3													159	159	153	
35/35		2.9	3.3	2.2	.6													185	185	114	
33/33	.7	1.9	3.7	1.4	.2													162	162	117	
31/31	.4	2.9	3.8	1.5	.2													180	180	170	
29/29	.2	2.9	3.6	.4	.1													150	150	214	
27/27	.5	3.3	3.4	1.3														168	168	167	
25/25	.1	2.2	1.7	1.2														109	109	142	
23/23		2.4	2.7	.5														117	117	180	
21/21	.1	.9	2.5	.0														74	74	105	
19/19		1.4	2.4															79	79	103	
17/17	.0	.5	1.4															39	39	51	
15/15		1.4	.6															41	41	74	
13/13		.8	.1															20	20	46	
11/11		.9	.3															25	25	34	
9/9	.1	.7	.1															19	19	21	
7/7		.4																8	8	17	
5/5	.7	.1																4	4	7	
3/3		.3																1	1	2	
1/1																				47	
-1/-1																				41	
-3/-3	.0																	1	1	1	
-5/-5																				7	
-7/-7																				7	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

4673 STATION KOON-NI RANGE KO STATION NAME 69-70, 73-80 YEARS FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL O.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point		
- / -9																							
- / -11																							
-14/-15																							
TOTAL	3.2	33.9	39.5	17.0	5.5	.9														2064	2065	2064	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	9554402	136884	66.3	15.194	2064							
Dry Bulb	2315211	66379	32.1	9.377	2065	.3	336.8					672
Wet Bulb	1874866	59512	28.8	8.777	2064	.3	430.4					672
Dew Point	1230513	44569	21.6	11.400	2064		23.8	550.6				672

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

43273 STATION Koon-NI Range KO STATION NAME 68-70, 73-79 YEARS MAP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb
47/53		.5																2	2	2
42/51			.3															1	1	
57/49		.5																2	2	
43/47		.5	.3	.3														4	4	3
45/45		.8	.5															5	5	3
44/43	.5	1.3	.5	1.3														16	16	6
42/41	.3	4.6	3.6	.5	.5													37	37	15
47/39	.3	4.6	3.1	1.3	.5													38	38	21
36/37	1.7	6.9	2.1	1.5														45	45	37
40/35	.5	9.8	3.3	.5														55	55	43
34/33	2.6	5.4	4.4	.8														51	51	71
42/31	1.3	4.6	4.6	1.7														45	45	11
47/29	1.1	4.6	3.1	.5														36	36	46
47/27		4.4	2.3															26	26	34
45/25	.3	1.5	1.5															13	13	26
47/23		.3	1.7															5	5	11
47/21		.3	.8															6	6	6
47/19																				9
47/17		.5																2	2	1
44/15																				
47/11																				1
47/9																				
47/7																				
47/5																				
47/3																				
TOTAL	7.7	52.2	31.4	7.7	1.7													389	389	367
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	2436801	30161	77.5	13.265	389	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F									
Dry Bulb	484001	13541	34.8	5.708	389		31.8													
Wet Bulb	423225	12633	32.5	5.735	389		44.5													
Dew Point	332005	10959	28.2	7.744	389		66.9													

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

47273 STATION KRON-NI RANGE KO STATION NAME 68-70,73-79 YEARS MONTH

PAGE 1 9-11 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/29			.1															1	1		
2/57							.1											1	1		
3/55	.1		.1	.4	.3													7	7		
4/53	.3		.3	.9	.3	.1												13	13		
5/51		.1	.9	1.2	.7	.3	.1											23	23	1	
6/46		.1	.7	.6	1.4	.3												19	19	6	
7/47	.1	.1	1.5	2.3	1.1	.6												39	39	2	
8/45		1.2	3.4	1.9	.7	.3												45	45	17	
9/43		1.5	4.0	3.2	1.4	.3												68	68	48	
10/41	.1	4.4	6.3	1.8	.8	.1												93	93	59	
11/36	.3	2.9	3.4	2.6	.3	.1												65	65	46	
12/37	.7	3.7	3.1	2.3	.4													75	70	43	
1/35	.9	3.2	4.7	2.6														73	73	72	
2/33	.6	2.1	4.8	1.2	.1													60	63	74	
3/31		2.3	2.9	1.8														48	48	57	
4/29		1.2	1.2	1.8														28	29	67	
5/27		1.4	.9	.4														16	16	33	
6/25		.1	.9															7	7	32	
7/23			.3															2	2	13	
8/21																				5	
9/19		.3																2	2	3	
10/17		.1																1	1	1	
11/15																				1	
12/13																					
1/11																					
2/9																					
3/7																					
4/5																					
TOTAL		3.2	24.4	38.9	24.2	6.7	2.2	.3										681	681	681	681

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3371025	46911	68.9	14.324	681	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1091946	26984	39.5	6.713	681		14.2					7
Wet Bulb	894142	24366	35.7	6.257	681		29.0					4
Dew Point	642889	20153	29.6	8.269	681		54.5					7

USAF/TAC FORM 44 0-26-5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE  
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# PSYCHROMETRIC SUMMARY

42073 STATION MOON-NI RANGE KO STATION NAME 63-70, 73-79 YEARS MAR MONTH

PAGE 1 12-10-14 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
47/67					.1		.1	.1	.1									4	4	
47/61				.1	.1			.4										5	5	
47/59			.1	.4	.4	.4	.4	.1										14	14	
47/57			.1	.4	.9	.4	.4											16	16	
47/55			.3	1.5	1.7	1.2	.5											35	35	
47/53		.1	.7	1.2	1.8	.9	.4	.1										35	35	
47/51		.6	.5	2.4	1.6	.6	.1											40	40	11
47/49		.1	1.5	1.8	1.3	1.2												40	40	
47/47			1.6	2.1	.9	.9	.1											38	38	4
47/45		.4	4.5	4.9	1.3	.3												30	30	2
47/43		1.1	4.2	3.3	1.5	.4	.1											69	69	1
47/41		.7	3.4	3.3	1.5	.6												64	64	2
47/39	.1	1.5	2.5	1.5	.9	.3												46	46	6
47/37	.6	1.6	1.3	4.0	.4	.3												54	54	5
47/35	.1	.6	4.9	2.8	.1													54	54	7
47/33	.2	.4	1.2	1.9	.3													28	28	2
47/31			.9	1.3	.1													16	16	4
47/29		.3	.3	1.3														13	13	2
47/27		.2	.1	.1														6	6	3
47/25		.6	.6															7	7	1
47/23																				1
47/21		.1																1	1	2
47/19		.1	.1															2	2	1
47/17																				1
47/15																				1
47/13																				1
47/11																				1
47/9																				1
47/7																				1
47/5																				1
TOTAL	1.2	9.1	23.3	34.3	15.7	7.6	2.5	.9	.1									667	667	667
																		667	667	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	26188.7	40683	61.0	14.363	667	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	1324370	29240	43.8	7.993	667		6.3					67								
Wet Bulb	1018008	25638	38.4	6.990	667		20.9					67								
Dew Point	675482	20374	30.5	8.933	667		49.4					67								

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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USE WITH CAUTION  
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**PSYCHROMETRIC SUMMARY**

47273 KCON-NI RANGE KO 68-70, 73-79 MAR 1956-17  
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1 1956-17  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60																		1	1		
61																		2	2		
62				.3	.3	.7	.3	.3										14	14		
63				.7	.7	1.0	.7											16	16		
64		.5	.5	1.3	1.3	.7	.3											26	26	2	
65		.5	.5	.5	.3	.3	.2	.2										13	13	9	1
66		.2	1.3	1.3	1.7	1.7	.2											35	35	10	4
67			.3	1.3	1.3	1.7	.3											26	26	19	4
68		.7	1.3	2.4	1.7	.8												37	37	22	4
69		1.3	5.4	4.5	2.7	1.3												67	67	27	17
70		2.5	3.7	2.7	1.7	.5	.7											67	67	46	14
71		.8	5.1	3.5	2.2	.3												70	70	76	27
72		1.9	2.7	2.4	1.7	.3												49	49	73	5
73		.7	1.3	3.4	.2													33	33	66	51
74		1.3	2.7	3.2	.7													47	47	52	55
75	.2	.3	1.2	2.4	.2													25	25	54	46
76	.2	1.0	1.5	1.2	.3													25	25	46	57
77		.2	.7	.7														9	9	36	31
78			.5	.5														6	6	22	17
79		.5																5	3	13	34
80			.2															1	1	7	31
81		.2																1	1		27
82																				2	
83																					17
84																					11
85																					
86																					
87																					
88																					
89																					
90																					
TOTAL		.3	11.8	29.8	30.4	15.7	3.2	1.9	.7									594	594	594	594

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.	2393894	36744	61.9	14.232	594	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1152349	25780	43.4	7.514	594		7.0					
Wet Bulb	892612	22672	38.2	6.705	594		19.7					
Dew Point	528820	18132	30.5	8.744	594		51.5					

AD-A102 398 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
KON-NI RANGE, OSAN, KOREA. REVISED UNIFORM SUMMARY OF SURFACE --ETC(U)  
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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

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**PSYCHROMETRIC SUMMARY**

40273 STATION KOON-NI RANGE KO STATION NAME 60-70.73-79 YEARS 484 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point			
4 / 63																		5	5					
4 / 61																		5	5					
4 / 59																		29	29					
4 / 57																		33	33					
5 / 55																		66	68	9	1			
4 / 53																		63	63	17	7			
4 / 51																		99	99	22	11			
4 / 49																		87	87	13	12			
4 / 47																		118	119	26	11			
4 / 45																		217	217	56	22			
4 / 47																		220	220	149	36			
4 / 41																		264	264	229	91			
4 / 39																		198	198	266	144			
4 / 37																		202	202	252	136			
4 / 35																		229	229	223	247			
4 / 33																		164	164	245	216			
4 / 31																		134	134	214	259			
4 / 29																		86	86	183	146			
4 / 27																		54	54	110	150			
4 / 25																		30	30	93	167			
4 / 23																		8	8	41	210			
4 / 21																		8	8	11	114			
4 / 19																		4	4	15	91			
4 / 17																		3	3	5	62			
4 / 15																				4	51			
4 / 13																					42			
4 / 11																					37			
4 / 9																					27			
4 / 7																					15			
4 / 5																					4			
4 / 3																					1			
TOTAL	2.7	21.5	32.3	26.4	10.3	4.9	1.3	.4	.7									2331	2331		2331			
Element (X)	ΣX'		ΣX		X		X		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	10790507		154499		66.3		15.368		2331		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	4052665		95449		40.9		7.877		2331		104.4												744	
Wet Bulb	3227187		85249		36.6		6.854		2331		215.1												744	
Dew Point	2249196		69618		29.9		8.541		2331		434.7												744	

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

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

4073 STATION KOON-NI RANGE KO STATION NAME 62-70,73-79 YEARS 1962-1967 MONTH

PAGE 1 1962-1967 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 61		.8	.3	.3	.3													6	6		
5/ 59		.6	.3	.5	.3													7	7	3	1
6/ 57		1.0	.5	.5	.5													10	10	4	1
5/ 55	.3	.3	2.0	.5	.5			.3										13	13	1.0	4
4/ 53		2.3	2.0	.8	1.0													24	24	5	6
2/ 51		1.5	4.5	1.3	.5	.3												32	32	22	6
5/ 49	1.0	6.0	4.8	.3	.5													50	50	27	20
4/ 47	.3	3.5	3.5	1.0	.3	.3												35	35	51	20
10/ 45	1.3	6.0	3.5	3.5	.5													59	59	52	41
4/ 43	1.0	4.3	3.0	3.0														45	45	42	35
4/ 41	.3	5.5	6.5	1.8														56	56	4.0	41
7/ 39	.6	2.8	3.0	.3														7	27	5.0	30
10/ 37	.3	2.3	1.3	1.0														19	19	47	30
7/ 35		1.8	1.0	.3														12	12	23	20
3/ 33		.8	.3															4	4	18	20
2/ 31																				7	40
1/ 29																					10
1/ 27																					10
10/ 25																					1
2/ 23																					1
TOTAL	6.0	39.3	36.3	14.3	3.5	.8	.3											399	399	399	399
Element (X)	Σ X'	Σ X	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	2485757	31131	78.7	11.25	399	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total									
Dry Bulb	666719	18465	46.3	5.971	399																
Wet Bulb	759896	17254	43.2	5.884	399		1.6														
Dew Point	644375	15777	39.5	7.182	399		19.8														2.0

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/LMAC

USE WITH CAUTION  
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**PSYCHROMETRIC SUMMARY**

40073 KCON-NI RANGE KO 68-70, 73-79 YEARS APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
74/ 73				.1																													1	1		
73/ 71							.1																											1	1	
72/ 69								.1																										1	1	
71/ 67				.1	.3	.1	.1	.1																									6	6		
70/ 65				.6	.3	.1	.3	.3	.3																								13	13	1	
69/ 63		.4	.6	1.2	1.0	.6	.3	.1																									26	28	1	
68/ 61		.3	.9	1.3	1.3	.3	.3	.1																									31	31	9	
67/ 59		.7	.1	2.8	2.1	1.3	.1																										49	49	13	
66/ 57		.6	.6	1.9	2.1	.7	.6																										44	44	22	
65/ 55		1.2	1.9	5.1	2.7	.7	.1																										78	78	27	
64/ 53		1.9	4.2	3.3	2.2	1.0	.1																										86	86	44	
63/ 51	.1	1.5	4.3	2.7	1.8	.3																											72	72	36	
62/ 49	.4	1.8	3.6	2.7	2.1	.6																											75	75	113	
61/ 47	.3	2.1	3.1	2.5	1.7	.1																											68	68	94	
60/ 45	.1	1.6	3.3	3.0	.7																												59	59	79	
59/ 42		.7	1.3	2.2																													27	27	62	
58/ 41	.3	.4	1.9	1.3																													27	27	58	
57/ 39	.1		.3																														3	3	40	
56/ 37		.1		.1																													2	2	38	
55/ 35			.1	.1																													2	2	7	
54/ 33																																				
53/ 31																																				
52/ 29																																				
51/ 27																																				
50/ 25																																				
49/ 23																																				
TOTAL	1.9	13.5	26.6	30.9	19.3	6.2	2.4	.6																									673	673	673	

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3259269	45945	68.3	13.510	673	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1890654	35420	52.6	6.280	673			1.2	.1			5
Wet Bulb	1540200	31960	47.5	5.781	673		.4	.1				5
Dew Point	1223234	28260	42.0	7.377	673		10.0					5

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

42 73 STATION KOON-NI RANGE KO STATION NAME 66-70.73-79 YEARS APR MONTH

PAGE 1 12-14 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	>31	Dry Bulb	Wet Bulb
70/77																		1	1	
76/75				.2					.3	.2								4	4	
74/73				.3					.5									6	6	
72/71			.2		.3	.6	.5		.6	.2								15	15	
71/69			.2	.3	.2	.3	.5	.3	.2									12	12	
68/67		.2	.8	.3	.5	1.1	.5	.5	.2	.2								27	27	
66/65		.2	.3	.5	1.1	.5	.9	.9										28	28	4
64/63		.3	.5	1.1	1.4	2.7	1.1	.6	.2									46	46	9
61/51			.2	1.1	2.9	1.7	1.5	.6										52	52	17
59/59		.3	.6	3.4	2.1	3.7	1.7	.2	.2									79	79	29
57/57		.6	.6	3.1	3.1	2.5	.8	.5										72	72	26
55/55		.5	1.2	2.9	2.8	1.8	.5											64	64	47
54/53		1.2	3.5	2.6	1.2	.6	.6											64	64	59
52/51		1.2	3.7	1.7	.6	.5	.2											50	50	23
51/49	.3	.3	2.1	1.8	2.6	1.1	.2											55	55	102
49/47	.2	1.1	.6	1.5	2.1													36	36	96
47/45		.6	.8	1.4	.7													20	20	50
47/43			.5	.9														9	9	32
42/41		.2	.5	.6	.2													9	9	45
41/39																				21
37/37				.3														1	1	8
35/35			.3															2	2	5
34/33																				1
32/31																				2
31/29																				1
29/27																				1
25/25																				4
24/23																				5
TOTAL	.5	6.4	16.4	23.9	21.7	16.3	8.9	5.1	1.1	.2								652	652	652

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2561447	39689	60.9	14.948	652							
Dry Bulb	2146386	37122	56.9	7.155	652			5.0	1.5			7
Wet Bulb	1646211	32535	49.9	6.160	652			.3	.7			7
Dew Point	1236025	27965	42.8	8.005	652		10.2		.3			4

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

GLOBAL CLIMATOLOGY BRANCH  
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**PSYCHROMETRIC SUMMARY**

47273 STATION KOON-NI RANGE KO STATION NAME 69-70,73-79 YEARS APR MONTH

PAGE 1 1570-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
70/77				.3			.2	.2	.7	.2								5	5		
70/75																		4	4		
74/73				.2														6	6		
72/71				.2				.2	.2	.3								5	5		
77/69			.3				.7	.5	.3	.2								12	12	2	
67/67			.3	.2	.2		.2	.5	.2	.2								14	14	2	1
67/65		.2	.2		.7		.2	1.2	.3	.2								17	17	3	3
64/63		.3	.3	1.4	.7	1.7	1.6	.2										36	36	9	2
67/51		.7	.3	1.6	2.4	1.4	.7	.5										44	44	16	4
67/59		.7	.3	2.8	2.1	2.9	.5	.3	.2									57	57	16	5
67/57		.3	1.2	2.6	3.8	2.9	.5	.2										67	67	26	9
57/55		.3	1.4	4.2	1.9	2.1												57	57	29	11
47/53	.2	.5	1.9	3.3	2.9	.7	1.7	.2										65	65	62	22
47/51		.7	2.8	1.9	1.6	.5												43	43	56	15
57/49	.3	1.4	2.8	2.4	3.5	1.4												68	68	88	25
47/47		1.1	1.7	1.7	2.3													35	35	81	34
47/45	.3	.9	1.4	.9	.9													25	25	75	65
44/43		.2		.2	.2													6	6	39	6
42/41			.9	.5	.2													9	9	39	9
47/39																				23	49
77/37			.3															2	2	1	3
77/35																				3	34
34/33																				1	25
77/31																				1	33
77/29																					17
77/27																					14
77/25																					6
74/23																					3
72/21																					1
TOTAL	.9	7.3	15.9	25.1	23.1	14.9	7.8	4.2	.9									577	577	577	577
Element (X)	ΣX <sup>2</sup>	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	2297279	35421	61.4	14.604	577	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1844233	32363	56.1	7.101	577			7.2	2.3			9									
Wet Bulb	1423902	28446	49.3	6.112	577			.2	.6			9									
Dew Point	1066470	24388	42.3	7.869	577		11.9	.2				9									

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



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**PSYCHROMETRIC SUMMARY**

42273 STATION KOON-NI RANGE KO STATION NAME 68-70.73-79 YEARS APP MONTH ALL

PAGE 1 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
75/ 77								.1										6	6		
76/ 75				.1				.1										8	8		
74/ 73				.2				.2										13	13		
72/ 71			.1	.1				.2										21	21		
71/ 69			.1	.1	.1			.3										25	25	4	
69/ 67		.1	.3	.2	.3	.4		.3	.1	.0								47	47	6	3
67/ 65		.1	.3	.2	.4	.3	.7	.4	.0									58	58	8	5
64/ 63		.3	.4	1.7	.2	1.2	.8	.3	.0									110	110	19	9
62/ 61		.4	.4	1.1	1.9	.9	.7	.3										133	133	42	2
59/ 59		.6	.3	2.6	1.7	2.2	.7	.1	.1									192	192	57	25
57/ 57		.6	.7	2.2	2.5	1.7	.5	.2										193	193	78	27
55/ 55		.7	1.6	3.3	2.1	1.3	.3											212	212	116	36
54/ 53	.1	1.4	3.3	2.8	1.9	.7	.5	.										239	239	170	67
52/ 51	.0	1.2	3.8	2.9	1.2	.4	.3	.										197	197	221	73
51/ 49	.5	2.0	3.2	2.0	2.3	.8	.7	.										248	248	331	164
50/ 47	.2	1.8	2.1	1.6	1.8	.1	.7	.										174	174	322	167
49/ 45	.3	1.9	2.1	2.1	.6													163	163	266	273
44/ 43	.2	1.9	1.9	1.7														87	87	171	211
42/ 41	.1	1.1	2.1	1.0	.1													101	101	192	295
41/ 39	.2	.5	.6	.0														30	30	134	183
39/ 37	.1	.4	.2	.3														24	24	93	149
38/ 35		.3	.3	.1														16	16	78	157
34/ 33		.1	.1															4	4	20	125
32/ 31																				13	15
27/ 29																					67
25/ 27																					16
20/ 25																					17
24/ 23																					1
21/ 21																					1
TOTAL	1.7	14.5	22.7	24.6	17.8	10.3	5.2	2.7	.5	.0								2301	2301	2301	2301

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	10603752	152186	66.1	15.299	2301	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6754492	123370	53.6	7.687	2301			37.5	8.4			72
Wet Bulb	5372209	110199	47.9	6.426	2301		4.1	3.1				7
Dew Point	4170104	96330	41.9	7.726	2301		97.9	.9				7

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

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**PSYCHROMETRIC SUMMARY**

4223 STATION KOON-NI RANGE KO STATION NAME

68-70, 73-79 YEARS

MAY MONTH

PAGE 1 0670-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/69					.3													1	1		
65/67			.5	.5	.3													5	5		
66/65				1.0		.5	.3											7	7		
64/63		.8	3.1	1.0	.5	.5												23	23	4	1
62/61	.3	2.5	4.6	3.1	2.3													50	50	11	3
61/59	.8	6.1	5.3	4.6	.8	.3	.3											71	71	32	15
59/57		4.8	5.6	2.5	1.0	.3												56	56	47	31
58/55	.8	4.8	5.1	3.1	.5													56	56	64	38
54/52	.3	2.3	8.1	1.0	.8													49	49	61	40
52/51	1.0	1.3	4.8	2.0														35	35	53	45
50/49		1.5	2.3	.3														16	16	52	62
48/47	.3	1.5	1.3	.5														14	14	31	46
46/45	.8	.8	.3	.5														9	9	26	52
44/43			.3															1	1	9	17
42/41																				2	23
40/39																				1	11
38/37																					6
36/35																					2
TOTAL	4.1	26.2	41.2	20.1	6.4	1.5	.5											393	393	393	393
Element (X)	ΣX'	ΣX	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	2461979	30623	78.4	10.658	393	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	1271114	22274	56.7	4.709	393			1.4				93									
Wet Bulb	1112865	20837	53.3	4.540	393							93									
Dew Point	988328	19590	49.8	5.491	393							93									

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

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**PSYCHROMETRIC SUMMARY**

40273 KQON-NI HANGE KO  
STATION STATION NAME

68-70, 73-79 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
79/79																		2	2		
78/77																		3	3		
76/75					.2	.2												9	9		
74/73					.2	.2												13	13		
71/71				.5	.2	1.2	.2											24	24		
70/69		.2		.5	1.2	2.3	1.2											41	41		
67/67				1.4	2.8	2.2	1.5											57	57	9	1
66/65		.5		.6	2.3	3.1	1.1	1.1	.2									57	57	14	1
64/63		1.1	2.8	4.6	2.8	2.3	1.1	.3	.2									98	98	51	10
62/61		1.4	3.2	3.5	2.5	.6	.9	.2										80	80	56	10
59/59	.5	3.5	4.2	4.8	2.3	.5												102	102	50	50
57/57	.3	2.8	3.9	2.6	1.2	.2												71	71	120	59
55/55		2.0	2.9	2.5	1.2													50	50	93	73
47/53	.6	.5	1.2	.3	.5													20	20	80	80
47/51		.8	.5		.3													10	10	60	80
49/49	.2	.2	.5		.2													6	6	41	70
48/47																				16	52
48/45																				3	50
44/43																				2	23
42/41																					23
40/39																					
38/37																					
36/35																					
34/33																					
32/31																					
30/27																					
TOTAL	1.5	12.8	22.0	25.1	21.6	9.6	6.3	1.2	.3	.5								649	649	649	649
Element (X)	Σ x'	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x
Rel. Hum.	3276688	45252	69.7	13.691	649	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total									
Dry Bulb	2543985	41473	6.4	5.556	649			21.4	3.9	.1		97									
Wet Bulb	290357	36711	56.6	4.612	649			1.6													
Dew Point	1766863	33647	51.8	5.887	649			.3	.1												

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

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# PSYCHROMETRIC SUMMARY

42273 MOON-NI RANGE KO  
 STATION STATION NAME

63-70, 73-72  
 YEARS

MAY  
 MONTH

PAGE 1 120-140  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
84/ 83																		1	1	
82/ 81												.2	.5	.2				0	6	
81/ 79								.2	.3	.5	.3	.2						9	9	
79/ 77				.3	.3	1.4	.6	.8	.2	.3								27	27	
76/ 75				.3	.4	1.4	1.1	.5	.3	.2	.2							21	21	
74/ 73				.6	.9	1.4	1.4	1.1	.5	.2								28	33	
72/ 71			.5	.6	4.1	.8	1.1	.2		.2								47	47	2
70/ 69		.2	.5	1.2	1.9	2.7	.3	.9	.9	.2								52	52	9
68/ 67		.2	.5	1.2	2.8	2.3	.6	.9	.3	.2								58	58	27
66/ 65		.8	1.6	2.7	2.7	1.7	.8	.3	.3									69	69	26
64/ 63		.9	2.8	4.2	4.5	2.8	1.6	.2	.2									110	110	7
62/ 61		1.2	3.7	2.8	2.7	.2	.5	.3										64	64	67
61/ 59		3.0	2.8	2.2	1.1	1.6												68	68	101
59/ 57		.5	1.4	2.3	.5	.5												73	33	109
57/ 55		.9	1.2	.8														19	19	76
54/ 53			.3	.2	.2	.2												5	5	64
52/ 51			.3	.3	.2													5	5	48
50/ 49																				18
46/ 47																				9
45/ 45																				3
44/ 43																				2
42/ 41																				1
40/ 39																				17
38/ 37																				7
36/ 35																				4
34/ 33																				6
32/ 27																				1
TOTAL		7.6	14.8	19.8	21.7	16.4	8.3	5.8	3.4	1.6	.6							641	641	641
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	2733251	40757	63.6	14.884	641	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	2815676	42292	66.0	6.291	641			38.9	16.1	1.7		92								
Wet Bulb	2204667	37457	58.4	4.931	641			5.5				93								
Dew Point	1797534	33668	52.5	6.749	641		.1	.4				75								

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

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GLOBAL CLIMATOLOGY BRANCH  
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**PSYCHROMETRIC SUMMARY**

43273 MOON-NI RANGE KC 68-70, 73-79 MAY  
STATION STATION NAME YEARS MONTH  
PAGE 1 15 Jun-17 Jun  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
61/ 51						.7		.4		.6									6	6																
62/ 79							.6	.7	.2		.2	.2							3	3																
71/ 77					.6	.4	.7	.6	.2	.2									14	14																
76/ 75				.2		.4	.9	.4	.6	.2									14	14																
74/ 73			.2	.6	1.7	1.3	.6			.2									22	22																
77/ 71			.7	1.5	.6	2.2	.4	.2	.4										21	31																
77/ 69			.4	2.6	2.4	1.1	.7	.7	.4	.6									48	48	7															
60/ 67			.2	1.6	2.6	2.4	.9	.7											32	32	14															
67/ 65		.6	1.7	3.7	3.7	2.6	.2	.7	.2										65	65	21															
64/ 63		.7	1.8	3.5	3.7	3.5	1.3	.4											77	77	31	4														
67/ 61		1.3	3.3	5.4	3.7	1.5	.2												79	79	60	27														
67/ 59		1.7	3.9	2.8	2.2	1.1	.2												64	64	66	41														
67/ 57	.4	1.5	1.8	1.8	.4	.7													36	36	65	50														
57/ 55		.4	.2	2.2	.2														18	16	60	57														
64/ 53		.2			.4														4	4	60	97														
72/ 51			.2	.6	.2														5	5	79	57														
67/ 49																					21	54														
67/ 47		.2																	1	1	5	47														
48/ 45																					5	30														
64/ 43																					1	20														
62/ 41																						10														
47/ 39																						6														
30/ 37																						4														
30/ 35																						7														
32/ 31																						7														
TOTAL		.4	6.5	13.8	25.9	27.7	15.7	8.7	4.1	2.4	2.0	.2	.2							542	542	640														

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

Element (X)	Σ X'	Σ X	$\bar{X}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F						
Dry Bulb	2326594	34644	63.9	14.401	542			33.5	11.0	2.1		72
Wet Bulb	2312741	31266	57.7	4.856	542			3.6				57
Dew Point	1479152	28192	51.8	6.540	542		.2	.9				72

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

42073 KOON-NI RANGE KO 60-70, 73-79 YEARS MAY MONTH

PAGE 1 ALL HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
47/83																		1	1	
47/81																		12	12	
47/79																		19	19	
74/77					.1	.2	.5	.4	.4	.1	.2	.1						44	44	
74/75					.2	.3	.6	.6	.3	.2	.1	.0						53	53	
74/73					.4	.5	.9	.7	.5	.1	.1							73	73	
71/71				.3	.4	2.1	.4	1.1	.1	.2								172	172	4
71/69		.1	.0	1.3	1.9	1.2	.5	.4	.4	.2								142	142	15
71/67		.2	.3	1.7	2.1	1.7	.6	.5	.3	.1								172	172	46
67/65		.5	1.7	2.5	2.4	1.5	.6	.2	.1									198	199	71
47/63		.9	2.6	3.6	2.9	2.4	1.1	.2	.1									305	308	176
47/61		1.5	3.4	3.7	2.4	.6	.4	.1										273	273	124
47/59	.3	3.4	3.9	3.5	1.7	.9	.1											305	305	281
47/57	.7	2.2	3.7	2.8	.8	.4												196	196	371
54/55	.1	1.8	2.2	2.0	.5													147	147	373
47/53	.2	.6	1.9	.3	.4													73	73	253
47/51	.2	.4	1.1	.6	.3													55	55	276
47/49	.1	.3	.5	.2	.2													22	22	132
47/47	.1	.3	.2	.1														15	15	64
47/45	.1	.1	.1	.1														9	9	37
47/43																		1	1	14
47/41																				1
47/39																				1
35/37																				1
71/35																				1
34/33																				1
47/31																				1
47/27																				1
TOTAL	1.3	12.1	21.3	27.9	15.7	11.3	6.3	3.0	1.7	1.1	.2	.0						2225	2225	2225

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	10798512	151476	69.1	14.785	2225	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	8943516	140293	63.1	6.638	2225			206.6	67.5	8.4		744
Wet Bulb	7224285	126271	56.8	5.119	2225			23.4				744
Dew Point	6031877	114997	51.7	6.303	2225		1.3	3.0				744

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

4273 STATION MOON-NI RANGE KD STATION NAME 64-70, 73-75 YEARS MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
77/77				.5																													1	1			
76/75		.5		.5																														4	4		
74/73	.4	.8		1.3																														15	15		
73/71	.3	1.7	2.3	1.7	.3																													19	19	7	
71/69	.2	3.8	5.1	1.7	.4	.5																												46	46	17	
70/67	.3	4.1	6.1	1.5	1.1	.5																												66	66	23	
68/65	1.8	7.6	3.1	1.5	.8	.5																												79	79	45	
64/63		9.1	2.6	1.3	.7	.5																												72	72	45	
61/61		5.1	3.6	.5	.7	.5																												40	40	5	
59/59	1.2	4.3	4.9	1.5	.7	.5																												50	50	5	
57/57	.6	.5	.5	.5	.5	.5																												9	9	4	
55/55		.5	.5	.5	.5	.5																												3	3	2	
47/53																																					
47/47																																					
47/45																																					
47/43																																					
47/43																																					
47/43																																					
TOTAL		37.1	37.8	17.9	1.7	1.7																												394	394	24	

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	27774.8	32842	83.4	10.70	394	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1689151	25745	65.3	4.161	394			32.2	4.6			3
Wet Bulb	1533676	24523	62.2	4.429	394			16.7	1.1			7
Dew Point	1432872	23662	60.1	5.421	394			6.7	.7			1

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE  
 SEE INSTRUCTIONS

# PSYCHROMETRIC SUMMARY

48-73 Koon-Ni Range KO STATION NAME

68-70, 73-79 YEARS

JULY MONTH

PAGE 1 1968-116 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
64/83				.2																													1	1				
67/81						.6	.2																										5	5				
71/79		.2	.3	.6	1.1	.2		.2																									19	19				
73/77		.2	.2	1.4	1.2	.9	1.1																										37	37				
75/75	.3	.6	.6	3.2	2.8	1.2	.2																										62	62	7	7		
74/73	.3	.9	2.1	5.4	2.6	.6	.9																										68	89	17	11		
71/71	.3	.6	6.0	4.2	3.3	1.5	.3			.2																							112	112	37	11		
77/69		2.4	6.2	2.9	1.7	.6	.3			.6																							96	96	52	24		
71/67	.3	1.8	5.1	5.9	1.2	.5	.3	.2																										100	100	121	71	
66/65	.2	3.2	3.6	1.7		.2	.2	.2																										60	60	105	36	
64/63		2.4	1.5	1.7	.6	.2	.2																											43	43	111	91	
67/61	.2	1.8	1.4	.3		.2																												25	25	95	97	
71/59	.5	.8	1.1	.2	.5																													19	19	48	113	
67/57		.2	.2	.2																														3	3	28	91	
57/55			.2	.2																														2	2	12	44	
64/53																																						
62/51																																				7	11	
57/49																																						
63/47																																						
43/45																																						
64/43																																						
42/41																																						
TOTAL	2.1	14.9	23.8	27.7	14.5	6.5	4.5	1.1	.2																										664	664	664	664
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	38913.1	50205	75.6	11.989	664	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	3266219	46461	70.0	4.800	664			69.4	27.7	1.2		91																										
Wet Bulb	2899928	43190	64.9	4.533	664			33.6	3.8			91																										
Dew Point	2544922	40928	61.6	5.784	664			16.8	2.4			91																										

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE  
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# PSYCHROMETRIC SUMMARY

STATION MOON-NI PAYGE KO STATION NAME 68-70, 73-70 YEARS 1951 MONTH JUN

PAGE 1 12-14-51  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
85/ 87						.7		.2	.2									3	3				
87/ 85						.2		.3	.3									4	4				
87/ 83			.3	.2		.7	1.2	.3	.3									16	15				
87/ 81			.7	.9	.6	1.1	1.5	.6	.3									34	34				
77/ 79		.2	.5	1.1	1.7	2.1	.9	1.1	.3						.3			53	53	1			
77/ 77		.3	.6	2.3	5.2	3.9	2.6	.2	.3						.2			39	39	2			
75/ 75	.5	1.1	.2	1.8	3.7	2.9	2.7	.6	.2									84	84	15			
74/ 73		.5	2.3	4.3	3.7	.9	.8	.5	.2									65	65	30			
72/ 71	.2	.5	3.3	2.3	3.7	.6	.5	.6	.2									77	77	62			
72/ 69		1.1	3.3	3.7	1.8	.2												66	66	91			
67/ 67	.2	.5	2.7	2.3	1.7	.2												42	42	111			
67/ 65	.2	2.0	2.1	2.3	.3	.2	.6											77	70	102			
64/ 63	.3	.9	1.7	.8	.2	.5												39	29	113			
62/ 61		.2	.6			.2												6	6	60			
61/ 59	.2	.3	.3															5	5	28			
61/ 57																				14			
57/ 55		.2																1	1	5			
47/ 51		.5																3	3	6			
47/ 51																				4			
47/ 49																				9			
47/ 47																				4			
46/ 45																				4			
47/ 43																				7			
TOTAL	1.4	7.9	19.0	21.5	21.4	12.3	10.0	4.3	2.0	.8	.3							657	657	657			
Element (X)	Σ x'	Σ x	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.	3273452	45500	69.3	13.659	657	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total											
Dry Bulb	3537431	48.71	73.2	5.549	657			77.1	51.8	10.3													
Wet Bulb	2897842	43525	66.3	4.619	657			43.4	7.3	.3													
Dew Point	2548628	40730	62.0	6.000	657			19.0	3.4														

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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**PSYCHROMETRIC SUMMARY**

42273 KCON-NI RANGE KC 68-70, 73-79 JUN  
STATION STATION NAME YEARS MONTH

PAGE 1 15 6-17  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
67-87																		1	1			
67-53						.2	.2	.2										3	3			
47-53						.2	.2	.2										3	3			
77-41			.4	.3	.1	1.2	1.4	1.2	.7	.2								33	33			
77-79	.2	.4	.4	.4	.5	1.9	.4	1.1	.2	.4								32	32	4	1	
77-77		.7	.9	.5	3.8	1.2	2.4		.2									33	33	3	4	
67-77		.7	1.4	1.3	3.7	3.4	1.2		.4	.2								72	72	4	4	
74-77	.4	.4	1.4	3.7	4.5	1.9	.9	.2										75	75	23	6	
77-77	.4	.2	4.1	2.7	5.1	2.1	.5	.2										36	36	71	14	
77-77		1.8	3.7	3.7	3.5	.9												78	78	79	20	
77-57		.4	3.4	4.1	.9		.2											51	51	25	47	
76-55		1.1	2.7	1.4	1.1		.2											36	36	101	57	
47-53	.5	.9	1.6	1.1	.5		.4											28	28	111	78	
77-51			.7	.5														7	7	67	79	
77-9			.5															3	3	27	119	
77-57		.4																2	2	21	47	
57-55			.2	.2														2	2	5	35	
47-53			.2															1	1	2	25	
57-51																				2	6	
57-46																				2	6	
47-47																					7	
47-45																					1	
47-47																					1	
52-41																					4	
TOTAL	1.4	6.7	21.4	20.1	23.9	12.9	8.3	3.4	1.6	.7								566	566	566	566	
Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	Z <sub>y</sub>	Z <sub>z</sub>	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.	2841930	39418	69.6	13.085	566	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	2971262	40902	72.3	5.234	566			77.4	43.3	7.5		90										
Wet Bulb	2445811	37121	65.6	4.460	566			36.3	5.9			47										
Dew Point	2149064	34722	61.3	5.799	566			15.3	2.4			27										

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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**PSYCHROMETRIC SUMMARY**

40073 KOON-NI RANGE KO 68-72, 73-79 YEARS JULY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
63/ 87							.1		.1									4	4		
64/ 85							.1		.1									7	7		
65/ 82			.1	.1		.1	.4	.1	.1									20	21		
66/ 81			.1	.3	.3	.8	.8	.3	.5									72	72		
67/ 79	.1	.2	.3	.5	1.1	1.1	.4	.6	.7	.1	.1							174	174	4	
68/ 77	.3	.3	.7	1.2	2.6	1.4	1.3	.2	.1	.0								190	190	11	
69/ 75	.3	.7	.7	2.0	2.5	2.7	1.1	.2	.1	.0								222	222	13	
70/ 73	.3	.6	1.6	3.9	2.9	.9	.7	.2	.1									255	255	75	
71/ 71	.3	.5	4.1	2.7	3.3	1.1	.5	.2	.1									294	294	137	
72/ 69	.1	2.1	4.5	3.3	2.7	.5	.1	.2	.7									236	236	245	
73/ 67	.3	1.4	3.9	3.6	1.2	.3	.1	.1										249	249	361	
74/ 65	.4	3.1	3.7	1.8	.3	.1	.3											225	225	357	
75/ 63	.2	2.8	2.5	1.2	.3	.3	.1											172	172	349	
76/ 61	.1	1.4	1.4	.3	.1	.1	.7											73	73	316	
77/ 59	.4	1.1	1.4	.3	.2	.7												77	77	150	
78/ 57	.1	.2	.1	.1	.1	.7												14	14	123	
50/ 55		.1	.2	.1														3	8	48	
49/ 53		.1	.0															4	4	71	
48/ 51																				19	
47/ 49																				4	
46/ 47																					
45/ 45																				1	
44/ 43																				16	
43/ 41																				11	
42/ 39																					
TOTAL	2.4	14.7	25.4	21.1	17.2	9.0	6.3	2.4	1.0	.4	.1							2281	2281	2261	
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	12784.91	167965	73.6	13.503	2281	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total									
Dry Bulb	11463963	161179	70.7	5.728	2281			537.6	275.9	41.4		7									
Wet Bulb	9687257	148259	65.0	4.721	2281			273.4	38.8	.6		7									
Dew Point	86755.16	140042	61.4	5.835	2281			125.3	19.3			7									

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





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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**PSYCHROMETRIC SUMMARY**

47273 MOON-NI RANGE KO STATION NAME

69-70, 73-79 YEARS

JUL MONTH

PAGE 1 1270-14 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 95						.2												1	1		
84/ 93						.2	.2	.5		.2								6	6		
82/ 91						.2	.5	.9		.2								12	12		
80/ 89			.2			1.0	1.5	1.6	.3									28	28		
78/ 87		.5		.3	.3	1.5	1.2	.7	.2									72	32		
76/ 85		.3	1.6	.7	2.3	2.5	.7	.8										54	54	5	
74/ 83		.3	2.3	3.6	2.1	2.1	1.1	.7	.3									77	77	12	6
72/ 81		.2	2.1	5.6	2.1	1.8	2.6	.7	.2									93	73	26	14
70/ 79		.5	2.0	6.6	1.5	1.8	.0	.2										79	79	52	19
78/ 77		3.1	4.1	5.6	2.6	.5												97	97	71	46
76/ 75	.2	2.6	3.3	3.3	.7	.5												62	62	116	71
74/ 73	.7	1.3	1.3	1.5														25	25	116	1.5
72/ 71	1.0	.5	1.1															16	16	92	108
70/ 69	.5	1.5	.3															11	11	73	67
68/ 67	.2	.3	.8		.8													11	11	25	52
66/ 65		.2																1	1	11	63
64/ 63	.2	.3																3	3	4	38
62/ 61																				2	11
60/ 59		.3																2	2	1	4
58/ 57																				2	6
56/ 55																					1
TOTAL	2.6	11.1	15.5	27.0	13.4	12.6	2.0	4.5	.7	.3								610	610	610	
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	3473800	45394	74.4	12.538	610	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3965536	49062	80.4	5.659	610			92.1	86.3	54.1	1.1	93									
Wet Bulb	3364771	45229	74.1	4.293	610			90.0	61.0	9.0		93									
Dew Point	3110095	43453	71.2	4.921	610			74.2	39.6	4.3		93									

USAFETAC FORM 0-26-5 (OLA) JUL 66 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

47273 KOON-NI RANGE KO 66-70,73-79 JUL  
STATION STATION NAME YEARS MONTH

PAGE 1 1966-17  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
60/94						.2												1	1				
64/93					.2		.2	.7		.6								2	9				
67/91						.4	.7	1.1										12	12				
67/99			.2		.7	1.1	1.1	1.1	.2									24	24				
68/87		.4	.2	.7	.9	.9	.7		.6									24	24				
67/85		.4	1.7	.9	.6	1.9	1.9	.6										40	40	5			
67/83	.4	.4	1.5	3.9	2.1	2.2	1.9	.7	.6									73	73	9			
67/81		.6	3.5	5.2	1.5	3.4	1.3	.4										85	85	25			
67/79	.4	1.7	3.4	3.7	1.7	1.5	.4	.4										70	70	53			
70/77	.4	3.0	3.2	4.3	1.9	3.2		.2										86	86	65			
70/75	.2	1.7	4.5	3.5	.6	.2												54	54	150			
74/73	.2	.9	2.2	1.5	.2													27	27	57			
77/71	.6	.7	1.5															15	15	84			
77/69	.2	.7	.2															6	6	63			
66/67	.2	.2	.2															3	3	31			
67/65		.2		.4														3	3	6			
67/63	.4	.2																3	3	4			
62/61	.2																	1	1	2			
60/59																				2			
60/57																				1			
56/55																				1			
TOTAL	10.6	22.2	22.2	23.7	10.3	14.9	5.2	5.2	1.3	.6								536	536	536			
Element (X)	Σx²	Σx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.	3047658	39802	74.3	13.118	536	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	3493968	43174	80.5	5.531	536			91.8	87.6	51.5	1.7	5											
Wet Bulb	2969859	39771	74.2	4.294	536			90.6	59.7	9.2		5											
Dew Point	2734837	38187	71.2	5.157	536			75.6	39.0	5.0		5											

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





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH THERMOMETER  
 SERIAL NO. 1000  
**PSYCHROMETRIC SUMMARY**

43073 KCON-NI RANGE KO  
 STATION STATION NAME

68-70, 73-79  
 YEARS

AUG  
 MONTH

PAGE 1 0610-1900  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb		Dew Point		
4/ 83			.2																1	1			
5/ 81		1.0	1.2	.7	.5	.2													15	15			
6/ 79		2.2	3.4	.7	.5														28	28	6	4	
7c/ 77	1.4	8.2	7.2	4.3	.2														69	69	32	19	
7b/ 75	2.7	11.1	7.0	2.2	.2														96	96	75	47	
7d/ 73	1.4	4.8	5.3	2.7	.7														62	62	91	83	
7e/ 71	1.4	4.1	2.9	1.4	1.7	.2													46	46	67	63	
7f/ 69		2.7	1.7	.5	.7														23	23	47	54	
6-/ 67	.2	.2	2.2	.2	.2														13	13	32	36	
56/ 65		3.4	2.4	.2	.2														27	27	19	26	
64/ 63		1.0	1.7	.2	.2														13	13	32	37	
57/ 61	.2																		1	1	11	14	
4-/ 59																					3	22	
5c/ 57																					1	4	
5b/ 55																						2	
4/ 53																						6	
72/ 51																						1	
TOTAL	7.5	38.6	35.3	13.3	4.6	.5													414	414	414	414	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.	3112545	35733	86.3	8.339	414	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F												
Dry Bulb	2271901	30613	73.9	4.216	414			2.8	65.4	5.4		97											
Wet Bulb	2102778	29444	71.1	4.589	414			75.9	43.1	.9		58											
Dew Point	2015781	28807	69.6	5.237	414			64.7	34.4			92											

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE IN  
 SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

4273 STATION KOON-NI RANGE KO STATION NAME 63-73, 73-79 YEARS AUG MONTH

PAGE 1 12-0-14 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5/ 75									.3									1	1		
6/ 77						.2		.2	.2									4	4		
7/ 91			.2			.3	.6	.3	.3									13	13		
8/ 89			1.1		.6	.6	1.1	1.4	.2									32	32		
9/ 87		.5	.5	.9	1.4	2.8	3.1	.6										62	62	1	
10/ 85		.3	1.9	1.5	4.6	1.9	1.4	.2										83	83	1	
11/ 82			2.9	5.7	4.6	1.9	.8	.2	.2									111	111	6	11
12/ 81			3.6	6.7	3.7	2.5	2.7	.5	.5	.2								124	124	23	15
1/ 79		1.1	1.7	4.3	2.3	1.4		.5	.3									70	72	72	50
2/ 77	.2	2.5	3.1	3.3	1.7	1.1	.2	.5	.3									80	80	134	72
3/ 75	.6	.9	.6	1.7	.9	.2	.2	.9										35	35	154	109
4/ 73	.2	.5	.3	.2	.2	.3	.2											11	11	92	112
5/ 71		.3	1.2															10	10	45	135
6/ 69	.2																	6	6	48	52
7/ 67			.3	.2														3	3	22	42
8/ 65			.2															1	1	14	26
9/ 63																				9	40
10/ 61																				5	2
11/ 59																					1
12/ 57																					1
1/ 55																					2
2/ 53																					4
3/ 51																					2
4/ 49																					1
TOTAL	1.1	6.0	18.3	25.1	19.6	14.7	7.4	5.3	1.1	.8								646	646	646	546

Element (X)	Z <sub>R</sub> <sup>1</sup>	Z <sub>R</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3456430	46616	72.2	11.950	646							
Dry Bulb	4376022	53080	82.2	4.756	646			92.9	90.1	68.2	.7	92
Wet Bulb	3665538	48587	75.2	4.355	646			89.0	72.3	10.5		97
Dew Point	3371068	46528	72.7	5.554	646			78.6	49.8	6.3		92

USAFETAC FORM 0-26-5 (OL A) 1 JUL 64

REPLACE PREVIOUS EDITIONS OF THIS FORM AND ORIGINATE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CARE  
SEE INSTRUCTIONS

# PSYCHROMETRIC SUMMARY

42273 ALON-NI RANGE KC STATION NAME

60-70, 73-79 YEARS

AUG MONTH

PAGE 1 15 0-17.0 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
60/ 95								.2	.3								2	2			
61/ 93								.2	.3								9	9			
62/ 91				.3		.5	.3	.9	.7								12	12			
63/ 89			.5	.2		.3	.5	1.7	.3								11	11			
64/ 87		.2	.2	1.3	0.0	2.2	3.2	.3									54	54			
65/ 85		.3	2.7	2.3	2.2	3.6	1.7	.7									79	79	4	5	
66/ 83		.2	1.9	6.3	4.4	1.5	1.2	.2	.2	.2	.3						101	101	3	2	
67/ 81			3.9	3.2	3.4	2.2	2.6	.2	.9	.2							125	125	32	14	
68/ 79		.5	2.4	4.3	1.9	1.2	.2	.5									67	67	53	23	
69/ 77	.5	1.5	2.6	2.9	.2	.3	.5	.3									64	64	127	36	
70/ 75	.3	1.2	1.3	1.4		.7		.3									29	29	140	43	
71/ 73	.2	.2		1.3													8	8	94	112	
72/ 71	.3	.3	.5	.5													10	11	47	51	
73/ 69		.5	.3														5	5	45	51	
74/ 67																			19	42	
75/ 65																			13	26	
76/ 63																			3	28	
77/ 61																			2	10	
78/ 59																				0	
79/ 57																				7	
80/ 55																				1	
81/ 53																				4	
82/ 51																				2	
83/ 49																				1	
TOTAL	1.4	4.9	16.2	20.2	17.2	12.5	4.9	5.3	2.4	.9	.3							566	566	550	566
Element (X)	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X
Rel. Hum.	3098356	41363	71.7	12.392	586	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3985622	48252	82.3	4.617	586			93.0	90.6	68.9	1.7	93									
Wet Bulb	3324995	44075	75.2	4.128	586			89.8	72.2	10.3		92									
Dew Point	3050567	42161	71.9	5.423	586			79.2	50.0	4.8		92									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE MONTHLY  
 SEP 1979

# PSYCHROMETRIC SUMMARY

4 73 STATION MOON-NI RANGE KO STATION NAME 68-70,73-79 YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb
7/ 75									.1								13	13	
7/ 72								.1	.1								25	25	
7/ 71			.1				.3	.4	.1								55	55	
7/ 77		.2	.2	.6		1.5	1.6	.2									185	185	14
7/ 78		.2	1.4	1.1	2.1	2.2	.2										183	183	14
7/ 74		.1	2.0	4.2	3.1	1.3	.9	.1	.1	.1							243	243	17
7/ 81		.4	4.5	5.2	2.1	1.5	1.1	.2	.4	.1							424	424	76
7/ 79		.1	2.1	3.2	3.9	1.6	.3	.1	.2	.1							241	241	144
7/ 77		.5	4.1	4.6	3.3	1.5	.6	.3	.3	.1							355	355	388
7/ 75	1.3	3.1	2.9	1.9	.8	.4	.1	.3									242	242	550
7/ 73	.5	1.2	1.4	1.3	.5	.2	.1	.3									180	180	374
7/ 71	.4	1.3	1.4	.9	.1	.1											94	94	201
7/ 59	.2	.7	.9	.1	.1												48	48	156
7/ 57	.1	.1	.6	.2	.1												24	24	117
7/ 65		.3	.6	.1	.1												35	35	11
4/ 63		.2	.3	.1	.1												14	14	53
7/ 51																	1	1	25
7/ 49																			5
7/ 57																			1
5/ 65																			
7/ 53																			1
7/ 51																			
7/ 49																			
TOTAL	2.7	14.1	24.6	24.2	14.0	9.5	6.0	2.9	.9	.4	.1						2315	2315	231

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	13573034	176924	76.4	12.380	2315			727.9	674.6	402.4	5.1	744
Dry Bulb	14737244	184584	79.7	5.473	2315			6.6.5	518.1	52.4		744
Wet Bulb	12734596	171408	74.3	4.561	2315			610.6	367.0	25.3		744
Dew Point	11560168	165222	71.4	5.431	2315							744

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE / MAC

USE WITH CAUTION  
NO POST PAGES

**PSYCHROMETRIC SUMMARY**

4773 Koon-Ni Range KO STATION

65-70, 73-79 YEARS

YEARS

JEP MONTH

PAGE 1

65-69 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
79		.2																1	1	
77		1.2	.5	.2														9	9	
75		.3	1.0	.7														5	6	
72		1.2	.7	1.0														12	12	
71	.7	2.5	2.0	1.7														28	28	17
69	2.0	3.2	4.5	1.2														44	44	22
67	2.0	4.2	6.7	1.5														58	58	46
65	1.2	6.5	2.0	1.2														44	44	30
63	3.5	7.5	5.0	1.5														67	67	77
61	1.2	4.5	2.0	1.2														38	38	40
59	.3	3.2	3.7	.7														33	33	37
57	.3	2.0	2.0	1.0	.2	.2												25	25	20
55		2.0	1.7	.2														16	16	24
52		.3	.5	1.0														9	9	24
51		.2	1.0															5	5	17
49			.5															2	2	11
47		.2																1	1	6
45		.2																1	1	5
43																				1
41																				
37																				
35																				
TOTAL	11.7	39.9	35.4	12.5	1.7	.2												401	401	401
Element (X)	Σ X²	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Rel. Hum.	2993220	34460	85.9	8.901	401															
Dry Bulb	1694479	25961	64.7	5.862	401			35.9	6.7											
Wet Bulb	1566177	24941	62.2	6.108	401			21.8	2.2											
Dew Point	1481742	24218	60.4	6.914	401			14.8	2.0											

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CARE  
SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

41273 STATION MOON-VI RANGE KO STATION NAME 65-70, 73-74 YEARS MONTH

PAGE 1 1970-11  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL 0.8/W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
67/63				.2	.2												2	2		
67/61			.3	.6		.2											10	10		
67/79		.5	.6	.3	.4	.2		.2									20	21	1	
77/77		.5	2.2	1.7	2.4	1.3	.3										53	53	6	5
77/75		.5	3.1	2.7	2.5	.3	.3										62	62		7
77/72	.3	1.6	1.9	5.8	2.1	.9	.3										49	48		21
77/71	.3	2.7	6.4	3.9	3.1	.5	.6										112	112	47	36
77/69	.3	2.5	5.2	2.7	1.7	.2	.2	.2									35	65	75	47
77/67		1.1	5.7	3.3	2.7	.5	.7										43	43	116	61
67/65	.3	1.7	1.1	2.7	.6	.6											47	47	25	54
67/61	.3	.6	1.3	1.1	.7	.9											10	27	23	12
77/61	.5	.9	.5	.6	.3	.2	.2										20	20	49	71
77/59		.2	.3	.3	1.1	.2	.2										14	14	76	61
77/57		.4	.5			.2	.2										6	6	27	42
67/65	.2		.3														3	3	13	24
77/53			.2														1	1	11	22
77/51																			7	11
77/49																			3	11
77/47																			2	5
77/45																				1
77/43																				1
72/41																				1
77/39																				1
77/35																				1
TOTAL	2.7	12.6	29.6	26.1	20.0	8.6	2.2	.3									636	636	636	636

Element (X)	Σ X'	Σ X	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3751876	48291	75.8	11.592	636	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	3191742	44938	7.7	5.105	636			72.9	33.3	3.5		5
Wet Bulb	2758426	41746	65.6	5.366	636			42.3	6.2			4
Dew Point	2511937	39741	62.5	6.721	636			24.5	4.2			3

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE!  
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# PSYCHROMETRIC SUMMARY

47073 MOON-NI RANGE KO 64-70, 73-70 YEARS MONTH

PAGE 1 12 0-14  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
28/ 87						.3	.2											7	3	
25/ 85						1.3	.7	.2										11	11	
22/ 83				.5		.9	.8	.8										19	19	
19/ 81			.5	1.4	.7	3.3	2.2	1.1	.2									58	52	
17/ 79		.5	.3	2.4	2.7	3.5	1.7	1.3										72	73	
7/ 77		1.4	2.9	3.3	4.7	4.1	2.3	1.1	.3									134	134	16
16/ 75		.6	1.1	2.2	4.1	2.5	1.0	1.1	.5									48	48	36
14/ 73	.2	.8	.3	4.7	1.4	3.2	2.4	.6	.7	.3								34	34	61
11/ 71		.3	1.6	1.4	2.7	1.9	.5		.7									55	55	67
9/ 69		.3	2.7	.5	1.3	1.1	.8	.3										43	43	54
7/ 67	.2	.2	.6		1.1	.3	.6		.7									27	27	104
6/ 65	.5	.5	.3	.2	.2	.2	.5	.3										16	16	42
4/ 63	.3	.6	.2	.2	.3	.5	.3	.3										17	17	63
3/ 61		.2		.2														2	2	49
1/ 59				.2	.2													2	2	22
5/ 57		.2	.3		.2													3	3	14
5/ 55																				19
4/ 53																				8
2/ 51																				5
5/ 49																				1
4/ 47																				
4/ 45																				
4/ 43																				
4/ 41																				
4/ 39																				
3/ 37																				
3/ 35																				
TOTAL	1.1	5.5	10.8	16.3	19.1	22.9	14.9	7.1	1.9	.3								632	632	632

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

Element (X)	Z <sub>g</sub> '	Z <sub>x</sub>	Z	σ <sub>z</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2643277	41513	65.7	13.587	632	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3601829	47601	75.3	5.131	632			84.3	67.5	17.0		9
Wet Bulb	2886729	42579	67.4	5.356	632			53.8	16.1			9
Dew Point	2508482	39542	62.6	7.392	632			26.2	7.1			9



GLOBAL CLIMATOLOGY BRANCH  
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USE WET BULB TEMPERATURE DEPRESSION TABLE  
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**PSYCHROMETRIC SUMMARY**

4873 KOOON-NI RANGE KO 68-73, 73-79 SEP  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point				
89							.2											1	1					
87						.7	.2											5	5					
85					.4	.4	.9											11	11					
83				.5	.2	.9	.7	.5	.2									17	17					
81			.2	.7	.9	2.0	3.1	.2	.4									32	32					
79		.2	1.4	1.2	4.5	2.3	.9	.5										69	69					
77	.9	1.4	3.9	3.9	4.3	3.6	1.4											139	139	1				
75	1.1	.9	3.2	2.3	3.1	1.8	1.6	.5	.2									32	32	1				
73	.2	1.3	3.8	2.2	2.2	1.6	.5	.2										66	66	2				
71	.4	1.1	.7	2.3	1.6	.7	.7	.2										43	43	2				
69	.7	1.3	.4	1.4	1.1	1.1	1.3											40	40	3				
67	1.4	2.0		.9	.7	.5	.5											34	34	3				
65	.2	.2	.7		.7	.2	.5	.4										13	13	5				
63		.7			.2	.2	.4											7	7	9				
61			.4	.2														3	3	8				
59			.2	.5														4	4	5				
57		.2																1	1	3				
55																				2				
53																				0				
51																				4				
49																				1				
47																				1				
45																				11				
43																				1				
41																				1				
39																								
TOTAL	.2	5.9	9.7	15.1	17.2	21.7	17.6	10.1	2.3	.2								557	557	557				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	2388957	35651	64.0	13.379	557	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	3181631	41997	75.4	5.214	557			85.5	66.6	18.9		7												
Wet Bulb	2517949	37333	67.0	5.314	557			53.3	14.2			5												
Dew Point	2162381	34457	61.9	7.444	557			24.4	5.0			9												

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

GLOBAL CLIMATOLOGY BRANCH  
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**PSYCHROMETRIC SUMMARY**

42273 STATION KOON-NI RANGE KO STATION NAME 60-70, 73-70 YEARS SEP MONTH

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
89																		1	1																
87																		2	2																
85																		3	3																
83																		4	4																
81																		5	5																
79																		6	6																
77																		7	7																
75																		8	8																
73																		9	9																
71																		10	10																
69																		11	11																
67																		12	12																
65																		13	13																
63																		14	14																
61																		15	15																
59																		16	16																
57																		17	17																
55																		18	18																
53																		19	19																
51																		20	20																
49																		21	21																
47																		22	22																
45																		23	23																
43																		24	24																
41																		25	25																
39																		26	26																
37																		27	27																
35																		28	28																
TOTAL	3.1	13.8	20.3	18.1	15.6	13.9	9.3	4.6	1.1	.1								2226	2226	2226															
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature				Total																									
Rel. Hum.	11977130	159914	71.8	14.825	2226	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	72																							
Dry Bulb	11669677	160497	72.1	6.625	2226			580.9	372.3	86.7		72																							
Wet Bulb	9729281	146599	65.9	5.791	2226			357.1	87.0			72																							
Dew Point	8664542	137958	62.0	7.173	2226			185.7	38.8			72																							

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

4773 STATION KOOON-NI RANGE KO STATION NAME 68-70, 73-79 YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67		.5																2	2	1				
65	.5	.5	.2															5	5	4	4			
63		1.6	.9	.7		.5												19	19	5	5			
61		.9	1.6			.2												13	13	7	7			
59	.5	3.2	2.3	.7	.2	.2												31	31	13	13			
57	.5	4.8	3.3	.5														37	37	23	17			
55	1.1	5.9	4.3	.7	.2													54	54	43	30			
53	.7	5.2	5.5	.9														54	54	44	24			
51	.7	6.4	3.9	.2	.2	.2												51	51	56	41			
49	1.8	4.5	3.4	.7	.2	.2												49	49	52	37			
47	1.4	3.3	1.6	.9														30	30	49	31			
45		4.1	2.0	.7	.2													31	31	31	41			
43	.2	2.3	1.1	.7														19	19	20	27			
41	.7	4.3	.7															25	25	20	42			
39	.2	1.4	.5															9	9	25	23			
37		.5	.7															5	5	11	21			
35		.9	.2	.2														0	0	3	10			
33																				7	0			
31																				1	4			
29																				4	1			
27																					1			
25																					1			
23																					1			
19																					1			
TOTAL	3.2	40.3	31.1	6.3	2.7	1.4												440	440	440	440			
Element (X)	Σ X'		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	3109768		36672		47.3		11.021		440		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total	
Dry Bulb	1201613		22812		51.8		6.565		440						.4									
Wet Bulb	1437997		21689		49.3		6.557		440						.4		.2							
Dew Point	988341		20585		46.8		7.590		440						4.2									

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

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**PSYCHROMETRIC SUMMARY**

40273 KOON-NI RANGE KO  
STATION STATION NAME

63-70, 73-79 YEARS

OCT MONTH

PAGE 1 09-10-11  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	Dry Bulb	Wet Bulb	Dew Point																			
75/ 77						.3																										2	2						
74/ 73						.1																										1	1						
72/ 71				.3	.3	.1	.3																									7	7						
71/ 69	.1	.1	.4	.4	.6	.4	.1																									16	16	1					
71/ 67		.3	1.3	2.1	2.4	1.5	.3																										51	51	6				
67/ 65		1.3	1.3	1.6	2.4	.4	.9																										52	52	15				
64/ 63	.4	.7	2.2	4.6	2.5	1.6	.3																											54	54	22			
62/ 61		1.2	2.7	3.9	2.4	1.2																												76	76	46			
61/ 60	.1	1.6	2.8	6.1	2.2	.9																												93	93	55			
61/ 57	.1	2.5	1.9	2.7	2.1	.3	.1																											66	66	28			
59/ 55	.7	1.5	2.5	1.9	.9	.1																												54	54	39			
47/ 53	.7	.7	3.6	2.7	1.2	.4		.1																										63	63	66			
42/ 51	.6	.1	2.2	1.8	.7		.1																											38	38	71			
47/ 45		.4	.3	1.3	.4	.3																												22	22	55			
45/ 47	.3	1.1	.3	.4	.3																													20	20	42			
45/ 45	.1	.6	.4	.1	.1																													10	10	42			
44/ 43	.1	.3	.4	.1	.3																													9	9	19			
42/ 41		.1	.4	.1	.1	.1																												7	7	6			
41/ 39		.1		.1																														2	2	11			
33/ 37																																				6	6	17	
36/ 35																																				2	2	13	
34/ 33																																			2	2	7		
27/ 31																																				1	1	4	
27/ 29																																							
26/ 27																																							
26/ 25																																							
24/ 23																																							
21/ 21																																							
19/ 19																																							
10/ 15																																							
TOTAL	3.4	12.6	24.1	37.5	18.9	8.0	2.2	.1																										673	673	673			

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2361396	39622	58.9	6.535	673			10.6	.4			93
Wet Bulb	1971009	36181	53.8	6.207	673			.1	1.1			93
Dew Point	1667161	33289	49.2	7.743	673		2.3	.3				93

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

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PSYCHROMETRIC SUMMARY

4273 KRON-NI RANGE KO STATION NAME

60-70.73-11 YEARS

01 MONTH

PAGE 1 1-14-60 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
70/70						.3																											3	3					
70/77						.3	1.1	.2																										11	11				
67/75			.3	.5	.1	.9	1.5	.5	.7																									22	24				
74/73				.6	.2	.5	.2	.2	.2																									20	20				
72/71		.2	.6	.8	2.1	2.7	2.3	.3	.2																									55	55				
70/69			.3	1.5	2.6	2.7	2.5	.5																										75	75	8	1		
68/67			.3	2.6	4.1	5.7	3.3	1.2																										104	104	15	3		
66/65		.2	.5	1.8	2.6	2.6	2.3	.5																										71	71	23	6		
64/63		.3	1.2	2.4	2.4	4.4	.5	.3																										76	76	59	14		
62/61		.3	.6	2.1	2.1	1.5	.5	.3																										46	46	77	12		
60/59		.3	.3	2.1	2.1	3.5	.9	.2	.7																									65	65	87	43		
58/57		.5	.2	1.1	1.1	1.7	.2																											20	20	95	20		
56/55		.5		1.4	1.4	.3		.7																										25	25	70	59		
54/53		.5	.5	.6	.6	.6																												18	18	54	61		
52/51	.3	.2		.9	.6																													13	13	50	54		
50/49		.2		.3	.2																													4	4	37	77		
48/47			.3	.3																														4	4	27	57		
46/45		.3		.3																														4	4	21	53		
44/43		.2		.3	.2	.2																												5	5	8	42		
42/41				.2	.5																													4	4	5	41		
40/39																																			3	3	36		
38/37																																			2	2	11		
36/35																																			4	4	7		
34/33																																			1	1	11		
32/31																																						1	
30/29																																							
28/27																																							
26/25																																							
24/23																																							
22/19																																							
TOTAL		.3	3.3	5.6	19.5	23.9	26.6	15.9	4.4	.6																									661	661	661	561	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	2421507	39199	59.3	12.117	661	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																												
Dry Bulb	2796815	4759	64.7	6.832	661			41.6	8.7																														
Wet Bulb	2139527	37376	56.5	6.289	661			3.7	.1																														
Dew Point	1675294	32848	49.7	8.065	661		1.3	.8																															

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

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**PSYCHROMETRIC SUMMARY**

46273 KQON-NI RANGE KO 68-70, 73-79 YEARS OCT MONTH

PAGE 1 1973-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb
74						.4	.2										4	4		
77						.4	.5	.2									6	6		
75			.2	.4	.4	.5	1.1	.4	.7								20	20		
73			.2	.5	.5	.9	.5	1.1	.2								22	22		
71				.7	.7	1.9	1.4	.7									40	40		
69		.2	.4	.7	3.7	4.2	2.3	.2									66	66	1	
67			1.4	2.3	1.9	4.9	2.3	.7	.4								25	45	12	
65			1.4	1.9	3.2	3.2	2.3	.4									70	70	9	
63		.2	2.3	2.3	2.3	3.7	1.1	.4									69	69	10	
61			.7	1.6	2.6	1.4	.2	.2									38	38	1	
59		.4	.2	2.3	2.6	2.3	.2	.2									46	46	77	
57		.2	.7	1.2	1.8	1.9	.5										35	35	79	
55				1.2	1.4	.5	.2										19	19	69	
53		.2	.2	.2	.9	.2											9	9	49	
51		.4		.9	.7												11	11	40	
49		.2	.7	.7	.7												14	14	33	
47		.2	.2	1.1													8	8	5	
45				.4													2	2	10	
43					.4												2	2	7	
41						.2											2	2	5	
39																			1	
37																				
35																				
33																				
31																				
29																				
25																				
23																				
21																				
17		.2	1.8	8.5	18.8	25.9	26.6	13.2	4.2	1.2								568	568	50
TOTAL																	568	568	50	
Element (X)	Z <sub>W</sub> '	Z <sub>W</sub>	X	Q <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	2094621	33869	59.6	11.506	568	0 F	32 F	67 F	73 F	80 F	93 F	Total								
Dry Bulb	2388373	36627	64.5	6.838	568			34.8	8.5			40								
Wet Bulb	1631172	32054	56.4	6.266	568			3.1				37								
Dew Point	1438241	28227	49.7	7.911	568		1.5	.5				37								

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

42273 STATION KOON-NI RANGE KO STATION NAME 68-70, 73-79 YEARS 001 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
79 / 79					.1	.2	.2											7	7		
77 / 77					.2	.3	.4	.1										19	19		
75 / 75			.1	.2	.2	.4	.7	.2	.3									48	48		
74 / 73			.0	.3	.3	.4	.4	.1										43	43		
72 / 71		.0	.2	.5	1.2	1.1	1.1	.3	.0									102	102	4	7
71 / 69		.1	.3	.7	1.8	1.9	1.7	.2										157	157	15	3
67 / 67		.2	.7	2.1	2.3	3.1	1.4	.5	.1									242	242	34	6
65 / 65	.1	.4	.9	1.5	2.2	1.6	1.5	.7										198	198	57	2
63 / 63	.1	.6	1.7	2.7	2.1	2.7	.5	.2										248	248	144	41
61 / 61	.6	1.4	2.5	2.3	1.2	.2	.2	.2										173	173	169	68
59 / 59	.1	1.2	1.5	3.0	1.9	1.6	.3	.1	.7									235	235	232	115
57 / 57	.1	1.8	1.2	1.5	1.4	1.0	.2	.2	.2									168	168	285	151
55 / 55	.4	1.7	1.6	1.4	1.1	.3	.	.	.									152	152	281	19
53 / 53	.3	1.4	2.2	1.2	.7	.7	.	.	.									144	144	243	226
51 / 51	.4	1.4	1.4	1.0	.6	.0	.	.	.									113	113	219	204
49 / 49	.4	1.1	1.3	.8	.4	.1	.	.	.									89	89	185	291
47 / 47	.3	.9	.7	.6	.1	.	.	.	.									62	62	136	199
45 / 45	.3	1.0	.4	.3	.1	.	.	.	.									47	47	121	216
44 / 43	.1	.6	.3	.3	.2	.	.	.	.									35	35	63	146
42 / 41	.1	.9	.3	.1	.2	.1	.	.	.									33	33	45	172
40 / 39	.1	.3	.1	.0	.	.	.	.	.									11	11	41	92
37 / 37	.1	.1	.1	.	.	.	.	.	.									5	5	19	62
35 / 35	.2	.1	.2	.	.	.	.	.	.									6	6	11	57
33 / 33	.	.	.	.	.	.	.	.	.											12	36
31 / 31	.	.	.	.	.	.	.	.	.											2	17
29 / 29	.	.	.	.	.	.	.	.	.											1	1
27 / 27	.	.	.	.	.	.	.	.	.												
25 / 25	.	.	.	.	.	.	.	.	.												
23 / 23	.	.	.	.	.	.	.	.	.												7
22 / 21	.	.	.	.	.	.	.	.	.												2
20 / 19	.	.	.	.	.	.	.	.	.												5
18 / 17	.	.	.	.	.	.	.	.	.												1
16 / 15	.	.	.	.	.	.	.	.	.												1
Element (X)	$\Sigma X'$	$\Sigma X^2$	$\Sigma X$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0 26 3 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SPECIFICATION  
**PSYCHROMETRIC SUMMARY**

43-73 STATION KOON-NI RANGE KD 62-70, 73-79 YEARS NOV MONTH

PAGE 1 1950-1955  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb		Dew Point			
4/ 67		.5																2	2					
4/ 61																		2	2					
4/ 59			.5															2	2					
4/ 57		.2	.2	.2														3	3					
4/ 55		.2		.7														4	4					
4/ 53		.2	1.4	.5	.2													10	12					
4/ 51	1.4	1.7	1.7	.2	.2													19	19	19				
4/ 49	.7	3.3	2.1	.2														17	27	27				
4/ 47	1.2	2.6	1.9	.5														26	26	26	21			
4/ 45	1.4	7.4	2.9	.7														32	32	25	33			
4/ 43	1.4	4.1	1.2	.2														29	19	26	24			
4/ 41	1.1	2.6	3.9	1.2														36	36	32	41			
4/ 39	.2	1.9	1.2	1.4	.5													22	22	17	22			
4/ 37	1.1	1.9	1.4															19	15	19	17			
4/ 35	.2	3.1	2.9	.2														27	27	20	27			
4/ 33	.5	3.1	1.9	.2														24	24	31	21			
4/ 31	.7	5.5	2.6															37	37	25	20			
4/ 29	.7	3.3	2.4	.7														28	28	27	22			
4/ 27	1.2	3.9	1.1															24	24	36	41			
4/ 25		2.6	1.7															15	15	18	20			
4/ 23	1.1	.7																7	7	17	20			
4/ 21		.2	.2															2	2	4	10			
4/ 19			.1															1	1	1	12			
4/ 17			.3															1	1	1	10			
4/ 15		.5																2	2	2	1			
4/ 13		.2																1	1	2	0			
4/ 11																					1			
4/ 9																					1			
4/ 7																					1			
4/ 5																					1			
4/ 3																					1			
TOTAL	12.2	49.6	30.1	7.2	1.0																419		419	
																						419		
Element (X)	Σ X'	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	2797804	33868	80.8	12.004	419	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	693583	16507	39.4	8.922	419		25.3					0												
Wet Bulb	612481	15585	37.2	8.956	419		31.6					0												
Dew Point	523827	14159	33.8	10.417	419		41.7					0												

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/LMAC

USE WITH CAUTION  
NO. 2 PART 1

# PSYCHROMETRIC SUMMARY

42273 KOON-NI RANGE WD 65-73, 73-79 NOV  
STATION STATION NAME YEARS MONTH

PAGE 1 65-11  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥31	Dry Bulb	Wet Bulb
65/67			.7															1	1	
65/65			.7															2	2	
63/63		.2				.3												4	4	1
61/61				.5	.7	.3	.2											7	7	1
59/59			.3	1.4	.6	.7												16	16	
57/57			.9	2.7	.4	.2	.2											22	22	1
55/55		1.7	2.5	2.1	.9	.2												45	45	5
53/53	.2	2.1	4.3	1.9	.7													59	59	7
51/51	.6	2.3	2.7	1.4	.5	.2												49	47	48
49/49	.6	2.2	2.9	2.3	.3													53	53	74
47/47	1.1	2.2	2.3	1.5	.3	.2												46	46	57
45/45	.5	1.8	2.4	2.2	.3													46	46	49
43/43		.5	1.5	1.5	.3													26	26	79
41/41	.2	1.2	4.7	1.7	.8	.2												56	56	41
39/39	.2	1.1	2.3	2.1	.1													42	42	34
37/37		1.7	1.7	2.1	.3													37	37	51
35/35		1.2	3.5	1.4	.2													41	41	32
33/33	.2	1.5	2.7	1.7														40	40	47
31/31	.3	2.1	1.9	1.7														38	38	51
29/29	.3	.6	.8	.2														12	12	44
27/27	.2	.2	.5															5	5	26
25/25	.2		.3															4	4	12
23/23		.2	.3															3	3	48
21/21		.3																2	2	3
19/19			.2															1	1	4
17/17																				1
15/15																				17
13/13																				8
11/11																				3
9/9																				1
7/7																				1
4/4																				1
TOTAL	4.4	22.4	37.7	27.0	6.3	1.7	.3	.2										655	655	655
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	3494403	46975	71.7	13.851	655	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb	1360332	29264	44.7	8.992	655		8.9	.1												
Wet Bulb	1143743	26761	40.9	8.716	655		19.8													
Dew Point	909214	23386	35.7	10.655	655		35.6													

USAFETAC FORM 0-26-5 (OL A) REVISED AIRCRAFT EQUIPMENT OF THIS FORM AIRCRAFT OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# PSYCHROMETRIC SUMMARY

4073 MON-NI RANGE K2 68-72, 73-76 YEARS MONTH

PAGE: 12-14  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
71																		2	0			
69																		3	3			
67																		4	4			
65																		7	7			
63																		22	22			
61																		31	31			
59																		49	49			
57																		66	66			
55																		12	62	48		
53																		24	34	61		
51																		29	39	64		
49																		34	43	72		
47																		34	34	78		
45																		37	37	83		
43																		43	43	77	47	
41																		58	58	34	57	
39																		26	36	36	5	
37																		28	38	59		
35																		26	26	42		
33																		12	12	41	37	
31																		6	6	43	37	
29																		6	6	16	37	
27																		3	3	3	17	
25																		2	2	5	38	
23																				4	37	
21																				2	17	
19																					1	
17																						
15																						
13																						
11																						
9																						
7																						
5																						
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>x</sub>		X	C <sub>g</sub>	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# PSYCHROMETRIC SUMMARY

40370  
 STATION

KOON-NI RANGE KC  
 STATION NAME

60-70, 73-79  
 YEARS

YEARS

NOV  
 MONTH

PAGE 1  
 170-141  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	0.1	0.2	1.4	2.4	25.0	8.6	7.9	0.0	0.5									639	639	639	639

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2596362	39748	62.2	13.964	639							
Dry Bulb	1625439	31675	49.6	9.312	639		2.4	1.3				
Wet Bulb	1269874	27956	43.7	8.566	639		10.1					
Dew Point	925245	23355	36.5	10.596	639		33.5					

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH A T.M.  
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# PSYCHROMETRIC SUMMARY

40073 ADON-NI RANGE KO 65-72, 73-79 YEARS NOV  
 STATION STATION NAME MONTH

PAGE 1 11-17-17  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb
71								.4	.2									3	3	
69								.2										2	2	
67						.2	.5											5	5	
65			.7			.5	1.6											13	13	
63			.5	.4	1.4	.7	.2											18	13	1
61			.9	.5	1.1	.7	.2											19	19	
59		.4	2.2	3.2	3.4	1.8	.2											62	62	5
57		.4	1.4	1.4	2.3	1.7	.2											39	39	11
55		1.3	1.1	1.8	2.3	.5	.2											43	40	36
53		.5	1.6	1.8	2.2	.5	.5											39	29	53
51		.2	2.2	2.7	1.3	.2	.2											37	37	42
49		.2	1.7	2.3	2.2	.9												25	35	49
47		.5	1.3	2.3	1.4	.4												53	33	52
45		.5	.5	1.8	1.1	1.4	.2											21	31	42
43		.2	1.4	3.1	1.3	.2												34	34	26
41		.7	2.2	2.7	2.9	.7												51	51	31
39		.9	1.4	1.3	1.4													31	31	36
37		.2	1.6	2.3	.7													25	25	43
35	.2	.5	.9	.7	.2													14	14	42
33		.2	1.9	.2														11	11	39
31		.2	.7	.4														7	7	27
29																		1	1	15
27		.4	.3															3	3	4
25			.2															1	1	5
23																				1
21																				1
19																				
17																				
15																				
13																				
11																				
9																				
TOTAL	.2	7.0	23.6	28.5	24.2	17.8	4.7	.7	.2									554	554	554
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	2190199	34009	61.4	13.6	554	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F									
Dry Bulb	1429001	27673	50.0	9.190	554		1.9	1.6												
Wet Bulb	1179299	24349	44.0	8.412	554		2.6													
Dew Point	801425	20269	36.6	10.403	554		32.3													

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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# PSYCHROMETRIC SUMMARY

4773 KOON-NI RANGE KO  
STATION STATION NAME

65-72, 73-79  
YEARS

NOV  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb
72/ 71							.2	.1	.1									5	5	
71/ 69							.1	.1										5	5	
70/ 67			.2		.2	.2	.3	.3	.3									10	10	
69/ 65			.2		.2	.2	.3	.3	.3	.3								24	24	
68/ 63		.1	.2	.1	.4	.7	.4	.3	.2									46	46	4
67/ 61			.3	.7	.2	.4	.7	.2	.2									57	57	7
66/ 59		.1	.2	1.8	1.9	1.7	.2	.2										129	129	8
65/ 57		.3	1.4	1.6	1.5	.7	.2	.2										177	130	23
64/ 55		1.6	1.1	2.2	1.3	.4	.2	.2										151	151	9
63/ 53	.1	.9	2.1	1.8	1.1	.1	.2	.2										142	142	153
62/ 51	.4	1.2	1.8	1.4	.7	.2	.1											134	134	149
61/ 49	.3	1.3	1.9	1.7	1.2	.4												154	154	217
60/ 47	.6	1.3	1.5	1.6	.5	.3	.2											139	139	171
59/ 45	.4	2.2	1.5	1.5	1.1	.4	.2											166	166	167
58/ 43	.3	1.1	1.2	2.2	.3	.2												172	132	134
57/ 41	.2	1.2	3.4	2.2	1.7	.4												201	201	128
56/ 39	.1	1.2	1.6	1.7	1.1													129	129	121
55/ 37	.2	1.0	1.5	1.5	.4													105	106	191
54/ 35	.1	1.1	2.6	.8	.1													108	108	140
53/ 33	.2	1.1	1.8	.7														87	87	159
52/ 31	.2	1.7	1.4	.5														88	88	159
51/ 29	.1	.8	.8	.3														47	47	98
50/ 27	.3	.8	.4	.2														35	35	74
49/ 25	.1	.5	.5															22	22	36
48/ 23	.2	.2	.1															10	10	25
47/ 21	.1	.2	.2															4	4	1
46/ 19		.1	.2															2	2	5
45/ 17		.2	.2															1	1	4
44/ 15		.1																2	2	4
43/ 13		.2																1	1	11
42/ 11																				1
41/ 9																				
40/ 7																				
39/ 5																				
Element (X)	$\Sigma H'$	$\Sigma H$	$\bar{H}$	$\sigma_H$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE  
 SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

STATION 42073 MOON-NI RANGE KO STATION NAME 66-77, 73-79 YEARS NOV  
 MONTH NOV

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	2,720	225	324	415	305	56	23	4	2									2267	267	2267	
Element (X)	$\sum X^2$	$\sum X$		$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	11,79268	154600		68.215	383	2267	≤ 0 F	≤ 32 F	≤ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	5098355	105119		46.4	9,944	2267		67.3	6.4				72								
Wet Bulb	4134697	94651		41.3	8,983	2267		132.1					72								
Dew Point	3159711	81169		35.810	577	2267		282.7					72								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE  
 SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

40073 KOCN-NI RANGE KO 65-70, 73-79 000  
 STATION STATION NAME YEARS MONTH

PAGE 1 06-1-88  
 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
40/40		.3	.5															5	5	4	1
42/47		1.3	.3															7	7	5	2
46/45	.3	2.3	1.3															14	14	4	4
47/43	.3	1.3	1.3															11	11	1	1
42/41		3.5	1.7	.5														20	23	9	6
47/39	.3	3.5	.9	.3														19	19	15	4
45/37		4.8	3.0	.5														33	33	17	16
45/35	.3	4.5	2.7															27	27	7	19
34/33	.3	3.0	2.5	.3														26	26	27	11
42/31		2.8	1.8	.3														19	19	19	11
47/29	.5	4.3	1.5															24	24	19	21
46/27	1.3	8.3	2.3															46	46	29	17
47/25	.3	6.1	1.8	.3														33	33	35	14
47/23	1.5	8.6	1.8															47	47	27	20
42/21	1.3	2.8	.8															19	19	43	29
47/19	.3	3.0	.3															14	14	21	31
43/17	1.3	3.3	.3															19	19	22	22
43/15	.3	.3																2	2	9	21
44/13		.3																1	1	3	33
47/11	.3																	3	3	3	16
47/9	.3																	1	1	1	11
47/7		1.3																4	4	4	2
47/5		.5																2	2	2	2
47/3																					5
47/-3																					1
47/-5																					1
TOTAL	9.366	422.0	2.3															396	396	396	396

USAF/TAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	248985	31094	78.5	11.063	396							40
Dry Bulb	394191	11995	30.3	8.839	396		55.0					93
Wet Bulb	349842	11272	28.5	8.567	396		60.8					93
Dew Point	272985	9595	24.2	10.128	396	.9	72.8					93



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

USE WITH CARE!  
SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

4773 MON-YI RANGE RD STATION NAME 68-70, 73-79 YEARS DEC MONTH

PAGE 1 1970-11 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb
57/55				.2													1	1	
54/53		.3	.3														4	4	1
51/51		1.3	.5	.2													12	12	3
50/46	.2	.2	.9	.2													9	9	12
47/47	.2	.9	.9	.3													15	15	9
45/45	.2	2.1	2.4	.8	.2												35	35	15
44/43	.2	1.6	1.7	.5													26	26	12
42/41		3.3	3.6	1.1	.2												52	52	24
40/39		2.4	3.3	.8													41	42	17
37/37	.3	2.4	2.4	.5	.2												37	37	14
35/35		3.2	4.3	.9													53	53	12
33/33	.3	1.6	3.5	.5													37	37	12
31/31	.6	4.6	3.8	1.3													65	65	12
29/29	.6	5.4	2.5	.2													59	59	12
27/27		6.5	2.5	.2													58	58	12
25/25	.8	3.3	2.1														39	39	12
23/23	.2	4.7	3.7	.2													49	49	12
21/21		2.1	.6														17	17	12
19/19	.2	.9	.2														8	8	12
17/17	.3	.5															5	5	12
15/15		.3															2	2	12
13/13	.2	.3															3	3	12
11/11			.2														1	1	12
9/9		.8															5	5	12
7/7																			12
5/5																			12
3/3																			12
1/1																			12
-1/-1																			12
-3/-3																			12
-5/-5																			12
TOTAL	4.1	48.5	38.4	8.5	.5												633	634	633

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	3530792	46670	73.7	11.926	633							633
Dry Bulb	765277	21363	33.7	8.454	634		45.6					634
Wet Bulb	655415	19697	31.1	8.201	633		55.1					633
Dew Point	489939	16409	25.9	10.108	633		69.1					633

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAAC

USE WITH CARE  
 SEE FRONT PAGE

**PSYCHROMETRIC SUMMARY**

4773 KRON-NI RANGE KO 68-77,73-79 YEARS DEC MONTH

PAGE 1 1-6-14  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
61				.3																												2	2			
59				.3																												5	5			
57			.3	.2																											4	4				
55		.5	1.1	.8																											16	16	3			
53		.3	.5	.3	.2																										8	8	7	1		
51		.5	.5	.3	.7																										12	12	11	4		
49			.3	.2	.3																										9	9	13	11		
47			2.4	2.4	1.7	.3																									40	40	6	7		
45		1.4	3.2	2.7	.8																										48	48	19	7		
43	.2	1.4	2.7	1.9	.7																										40	40	26	7		
41	.5	2.7	3.7	1.2	1.5																										53	53	47	21		
39	.2	1.5	5.1	3.9	.5																										66	66	54	3		
37																															52	52	77	3		
35		1.4	5.4	2.4																											54	54	54	31		
33		.8	3.2	.5	.3																										29	29	70	43		
31	.2	.8	3.1	2.5	.2																										40	40	57	43		
29	.2	1.2	3.5	1.7																											23	23	40	42		
27		1.5	2.2	.5																											24	24	34	47		
25		1.4	2.5																												23	23	35	56		
23		2.4	.5																												17	17	32	46		
21		.8	.5																												8	8	22	40		
19																																		8	2	
17																																	2	2	15	
15			.2																													2	2	16		
13		.3	.2																													3	3	29		
11		.2																														1	1	5	21	
9																																		1	7	
7																																			2	
5																																			1	
3																																			1	
1																																			2	
-1																																			1	
-3																																			3	
-5																																			3	
TOTAL	1.2	19.7	45.3	25.6	7.3	.8																												589	589	589
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total																			
Rel. Hum.	2707533		39243		66.6		12.570		589		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total													
Dry Bulb	913923		22641		38.4		8.612		589				23.8										93													
Wet Bulb	739298		20316		34.5		8.097		589				37.3										93													
Dew Point	517363		16433		27.9		10.007		589				.6		62.7								93													

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

4873 KQON-NI RANGE KC 68-70, 73-79 STATION NAME STATION 1950-1750 MONTH

PAGE 1 1950-1750 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb
61				.2													1	1	
59			.4	.4	.2												6	5	
57			.4	.4	.2	.4	.2										6	6	
55		.4	.6	.8		.2											10	12	
53		.8	.6	.4	.4												11	11	5
51			.4	.4													4	4	7
49		.4	.6	1.8	.2	.2											17	17	10
47		.8	3.6	2.4	1.2												39	39	10
45	1.4	4.2	3.6	.6													49	49	21
43	1.2	1.8	3.2	.8													33	33	27
41		.4	4.4	2.6	1.2												43	43	40
39		1.4	6.8	4.2	.2												63	63	28
37		1.2	3.6	3.0	.2												40	40	44
35		1.2	3.8	2.6													33	38	60
33	.2	.4	3.0	1.6	.2												27	27	46
31	.4	1.2	3.2	2.0													23	33	47
29		1.4	2.8	1.2													26	26	36
27		.4	2.4														14	14	26
25		1.0	1.8														14	14	31
23		2.8	.8														18	18	21
21			.4														2	2	14
19			.2														1	1	4
17																			2
15		.2	.6														4	4	15
13																			1
11																			3
9																			
5																			
3																			
1																			
-3																			
-5																			
TOTAL		.616	.446	.930	.1	5.2	1.0	.2									499	499	499
Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total								
Rel. Num.	2260716	33078	66.3	11.687	499	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb	805819	19641	39.3	8.488	499		20.9					49							
Wet Bulb	651361	17561	35.2	8.008	499		34.5					49							
Dew Point	456559	14289	28.6	9.755	499			4	61.3			97							

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CARE  
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# PSYCHROMETRIC SUMMARY

48273 MOON-NI RANGE KO 68-70, 73-79 YEARS DEC  
 STATION STATION NAME MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
61				.1														3	3																	
59			.1	.2	.1	.1												11	11																	
57			.3	.5	.1	.1	.											17	17																	
55		.2	.4	.5	.1	.1												27	27	3																
53		.4	.4	.2	.1													23	23	14																
51		.5	.4	.2	.2													29	29	21	5															
49	.	.3	.7	.7	.1	.												40	40	37	3															
47	.	.8	1.8	1.3	.7	.1												101	101	72	29															
45	.1	1.7	2.8	1.8	.4													146	146	59	87															
43	.1	1.3	1.9	1.5	.4													110	110	175	45															
41	.1	2.3	3.4	1.4	.5													168	168	120	67															
39	.1	2.1	4.2	2.4	.7													189	190	140	66															
37	.1	2.2	3.5	1.7	.1													162	162	142	47															
35	.2	2.5	4.1	1.5														172	172	156	159															
33	.3	1.4	3.1	.7	.1													119	119	159	131															
31	.3	2.4	3.0	1.6	.													157	157	176	160															
29	.3	3.1	2.4	.9														142	142	164	128															
27	.2	4.0	.3	.2														142	142	157	165															
25	.3	2.7	.1	.														109	109	165	162															
23	.3	4.3	1.5	.1														131	131	136	251															
21	.3	1.4	.6															46	46	118	100															
19	.1	.9	.1															23	23	58	114															
17	.3	.8	.9															24	24	36	81															
15	.3	.2	.2															19	19	12	83															
13	.	.2	.															7	7	6	114															
11	.1	.1	.1															5	5	13	72															
9	.	.2	.															6	6	3	30															
7	.	.2	.															4	4	9	15															
5	.	.1	.															2	2	2	10															
3	.	.	.																		5															
1	.	.	.																		2															
-1	.	.	.																		5															
-3	.	.	.																		5															
-5	.	.	.																		5															
Element (X)	Σ X'	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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**PSYCHROMETRIC SUMMARY**

4-73 STATION MOON-NI RANGE KO STATION NAME 66-70, 73-87 YEARS PAGE 1 ALL MONTH ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb
57 95																		5	5	
54 93																		28	23	
51 91				.0	.0	.0	.0	.1	.1	.0	.0						51	51		
47 89				.0	.0	.1	.1	.1	.1	.0	.0						115	115		
47 87		.0	.0	.1	.1	.1	.2	.2	.2	.2	.2						202	202		
47 85		.0	.0	.1	.1	.2	.4	.2	.1	.0	.0						349	349	24	
47 83	.0	.0	.3	.6	.4	.3	.2	.1	.0	.0	.0						538	538	40	
47 81	.0	.1	.6	1.0	.8	.5	.4	.2	.1	.0	.0						873	873	145	
47 79	.0	.4	.6	.8	.4	.5	.2	.2	.2	.2	.2						834	834	331	
47 77	.1	.3	1.0	1.0	.5	.6	.4	.2	.1	.0	.0						1222	1222	652	
47 75	.1	.6	.9	.8	.6	.5	.3	.2	.1	.0	.0						1079	1079	1058	
47 73	.1	.4	.6	1.1	.6	.3	.1	.1	.1	.0	.0						945	945	958	
47 71	.1	.4	1.0	.6	.5	.3	.3	.1	.0	.0	.0						981	981	872	
47 69	.1	.6	.9	.6	.6	.4	.3	.1	.0	.0	.0						965	965	1061	
47 67	.1	.3	.9	.8	.6	.5	.3	.1	.0	.0	.0						928	928	1110	
47 65	.1	.6	.7	.6	.5	.4	.3	.1	.0	.0	.0						983	983	941	
47 63	.1	.6	.8	.8	.6	.3	.3	.1	.0	.0	.0						1042	1042	1104	
47 61	.1	.4	.6	.7	.6	.3	.1	.1	.0	.0	.0						797	797	999	
47 59	.1	.6	.8	1.0	.7	.5	.1	.0	.0	.0	.0						1040	1040	848	
47 57	.0	.5	.6	.7	.5	.4	.1	.0	.0	.0	.0						734	734	954	
47 55	.1	.6	.7	.9	.5	.2	.1	.0	.0	.0	.0						791	791	937	
47 53	.1	.4	.9	.6	.5	.1	.1	.0	.0	.0	.0						721	721	945	
47 51	.1	.4	.8	.6	.4	.1	.0	.0	.0	.0	.0						652	652	892	
47 49	.1	.5	.7	.6	.5	.2	.1	.0	.0	.0	.0						679	679	923	
47 47	.1	.5	.7	.4	.1	.0	.0	.0	.0	.0	.0						667	667	851	
47 45	.1	.7	1.0	.9	.4	.1	.0	.0	.0	.0	.0						860	861	751	
47 43	.1	.6	.8	.9	.3	.1	.0	.0	.0	.0	.0						703	703	692	
47 41	.1	.9	1.6	.7	.4	.1	.0	.0	.0	.0	.0						1004	1004	812	
47 39	.1	.9	1.0	.7	.3	.1	.0	.0	.0	.0	.0						848	849	888	
47 37	.1	.9	1.0	.8	.1	.0	.0	.0	.0	.0	.0						779	780	990	
47 35	.1	1.0	1.4	.6	.1	.0	.0	.0	.0	.0	.0						856	856	850	
47 33	.2	.6	1.2	.5	.1	.0	.0	.0	.0	.0	.0						681	681	976	
47 31	.1	.9	1.1	.5	.0	.0	.0	.0	.0	.0	.0						735	735	882	
47 29	.1	.9	.9	.3	.0	.0	.0	.0	.0	.0	.0						603	603	843	
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFS WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

**PSYCHROMETRIC SUMMARY**

4773 000-NI RANGE KO 63-70,73-81 ALL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
7/27	.1	1.1	.4	.3																												625	626	640	795	
7/25	.1	.7	.6	.1																												427	427	629	74	
7/23	.1	.9	.7	.1																												459	459	468	922	
7/21	.1	.5	.5	.2																												265	265	41	574	
7/19	.1	.3	.4																													194	194	325	557	
7/17	.1	.3	.2																													136	136	223	434	
7/15	.1	.3	.2																													132	132	193	344	
7/13	.1	.2	.1																													77	77	127	354	
7/11	.1	.2	.1																													57	57	100	202	
7/9	.1	.2	.1																													55	55	55	246	
7/7	.1	.1																														23	23	46	171	
7/5	.1	.1																														20	20	25	244	
7/3	.1	.1																														7	7	5	15	
7/1	.1	.1																														1	1	6	108	
7/-1	.1	.1																														2	2	2	96	
7/-2	.1	.1																														1	1	1	45	
7/-3																																				45
7/-4																																				1
7/-5																																				1
7/-6																																				1
7/-7																																				1
7/-8																																				1
7/-9																																				1
7/-10																																				1
7/-11																																				1
7/-12																																				1
7/-13																																				1
7/-14																																				1
7/-15																																				1
7/-16																																				1
7/-17																																				1
7/-18																																				1
7/-19																																				1
TOTAL	2.4	21.0	27.9	21.0	12.5	7.8	4.3	1.3	.5	.2	.0	.0																					26821	26821	26821	
Element (X)	Z <sub>X</sub> '	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	137646593	1879465	70.114	647	26821	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	92.02270	1496486	55.418	947	26825	1.0	1271.8	3016.8	2068.3	845.6	11.0	376																								
Wet Bulb	76621514	1353264	55.417	658	26821	1.0	1707.9	2057.4	1061.8	104.1		876																								
Dew Point	65411243	1215447	45.319	626	26821	70.7	2579.3	1508.6	709.7	54.9		876																								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USAFETAC FORM 0895 (OLA)  
 SEP 1984

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

48273 KOON-NI RANGE KO

68-70,73-80

HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-08	MEAN	22.0	25.8	34.8	46.3	56.7	65.3	73.2	73.9	64.7	51.8	39.4	30.3	49.2
	S.D.	8.768	8.616	5.708	5.971	4.709	4.161	4.612	4.216	5.862	6.565	8.922	8.639	18.521
	TOTAL OBS	373	348	389	399	393	394	386	414	401	440	419	396	4752
9-11	MEAN	26.9	30.3	39.5	52.6	62.4	70.0	77.3	78.7	70.7	58.9	44.7	33.7	53.8
	S.D.	8.275	8.250	6.713	6.280	5.556	4.800	5.140	4.346	5.105	6.535	8.992	8.454	18.901
	TOTAL OBS	655	617	681	673	649	664	622	669	636	673	655	634	7828
12-14	MEAN	31.8	34.7	43.8	56.9	66.0	73.2	80.4	82.2	75.3	64.7	49.6	38.4	58.3
	S.D.	8.261	9.040	7.993	7.155	6.291	5.549	5.659	4.756	5.131	6.932	9.312	8.612	18.665
	TOTAL OBS	637	600	667	652	641	657	610	646	632	661	639	589	7631
15-17	MEAN	32.5	35.7	43.4	56.1	65.0	72.3	80.5	82.3	75.4	64.5	50.0	39.3	58.5
	S.D.	8.252	8.809	7.514	7.101	6.089	5.234	5.531	4.617	5.214	6.838	9.190	8.488	18.305
	TOTAL OBS	535	500	594	577	542	566	536	586	557	568	554	499	6614
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
ALL HOURS	MEAN	28.9	32.1	40.9	53.6	63.1	70.7	78.3	79.7	72.1	60.6	46.4	35.7	55.4
	S.D.	9.121	9.377	7.877	7.687	6.638	5.728	5.964	5.478	6.625	8.274	9.944	9.235	18.947
	TOTAL OBS	2200	2065	2331	2301	2225	2281	2154	2315	2226	2342	2267	2118	26825



1  
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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CARE  
5-7-80

**MEANS AND STANDARD DEVIATIONS**

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

47273 KOON-NI RANGE KO

68-70,73-80

MONTH	STATION NAME	YEARS													
		1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	ALL HOURS
0-08		MEAN	23.9	24.0	32.5	43.2	53.0	62.2	70.4	71.1	62.2	49.3	37.2	26.5	46.6
		S.D.	6.573	8.510	5.735	5.884	4.540	4.429	4.527	4.589	5.108	5.557	8.856	8.567	18.129
		TOTAL OBS.	373	348	389	399	393	394	386	414	401	440	419	396	4752
0-11		MEAN	24.6	27.5	35.7	47.5	56.6	64.9	72.7	73.7	65.6	53.8	40.9	31.1	49.6
		S.D.	8.081	8.081	6.257	5.781	4.612	4.533	4.349	4.233	5.366	6.207	8.716	8.201	17.922
		TOTAL OBS.	655	617	681	673	649	664	622	669	636	673	655	633	7827
11-14		MEAN	26.3	30.8	38.4	49.9	58.4	66.3	74.1	75.2	67.4	56.5	43.7	34.5	52.1
		S.D.	7.952	8.587	6.990	6.160	4.981	4.619	4.293	4.355	5.356	6.289	8.566	8.397	17.255
		TOTAL OBS.	637	600	667	652	641	657	610	646	632	661	639	589	7631
14-17		MEAN	28.9	31.5	38.2	49.3	57.7	65.6	74.2	75.2	67.0	56.4	44.0	35.2	52.3
		S.D.	7.932	8.307	6.735	6.112	4.856	4.460	4.294	4.128	5.314	6.266	8.412	8.008	16.934
		TOTAL OBS.	533	499	594	577	542	566	536	586	557	568	554	499	6611
		MEAN													
		S.D.													
		TOTAL OBS.													
		MEAN													
		S.D.													
		TOTAL OBS.													
		MEAN													
		S.D.													
		TOTAL OBS.													
ALL HOURS		MEAN	26.1	28.8	36.6	47.9	56.8	65.0	73.1	74.0	65.9	54.4	41.8	32.5	50.4
		S.D.	8.600	8.777	6.854	6.426	5.119	4.721	4.569	4.561	5.791	6.863	8.983	8.578	17.658
		TOTAL OBS.	2198	2064	2331	2301	2225	2281	2154	2315	2226	2342	2267	2117	26821

USAFETAC FORM 0895 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

41073 KRON-NI RANGE KO

68-70,73-80

STATION	STATION NAME	YEARS												
HRN		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
6-8		MEAN 15.4	18.4	28.2	39.5	49.8	60.1	69.8	69.6	60.4	46.8	33.8	24.2	43.4
		S.D. 10.67	11.078	7.744	7.182	5.491	5.491	4.903	5.237	6.914	7.590	10.417	10.126	19.871
		TOTAL OBS 373	348	389	399	393	394	386	414	401	440	419	396	4752
9-11		MEAN 18.3	21.0	29.6	42.0	51.8	61.6	70.5	71.3	62.5	49.2	35.7	25.9	45.0
		S.D. 10.66	10.869	8.269	7.377	5.887	5.784	4.902	5.193	6.721	7.743	10.655	10.108	19.846
		TOTAL OBS 655	617	681	673	649	664	622	669	636	673	655	633	7827
12-14		MEAN 20.5	22.7	30.5	42.8	52.5	62.0	71.2	72.0	62.6	49.7	36.5	27.9	46.1
		S.D. 10.93	11.686	8.933	8.005	6.749	6.000	4.921	5.554	7.392	8.065	10.596	10.007	19.523
		TOTAL OBS 637	600	667	652	641	657	610	646	632	661	639	589	7631
15-17		MEAN 21.0	23.2	30.5	42.3	51.8	61.3	71.2	71.9	61.9	49.7	36.6	28.6	46.2
		S.D. 11.03	11.442	8.744	7.869	6.540	5.799	5.157	5.423	7.444	7.911	10.403	9.755	19.196
		TOTAL OBS 533	499	594	577	542	566	536	586	557	568	554	499	6611
		MEAN												
		S.D.												
		TOTAL OBS												
		MEAN												
		S.D.												
		TOTAL OBS												
		MEAN												
		S.D.												
		TOTAL OBS												
ALL HOURS		MEAN 19.1	21.6	29.9	41.9	51.7	61.4	70.6	71.4	62.0	49.0	35.8	26.8	45.3
		S.D. 11.00	11.400	8.541	7.726	6.303	5.835	5.039	5.431	7.173	7.918	10.577	10.123	19.626
		TOTAL OBS 2198	2064	2331	2371	2225	2281	2154	2315	2226	2342	2267	2117	26821



FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
AET WEATHER SERVICE / MAC

USE WITH CARE ON  
SEE FORM 0-87-5

**RELATIVE HUMIDITY**

45073 KRON-NE RANGE RD

66-74,73-100

FFB

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
FEB	01-12												
	03-05												
	06-08	100.0	100.0	100.0	99.1	94.5	76.8	57.2	37.9	17.1	74.1	54	
	09-11	100.0	100.0	100.0	98.2	92.1	73.4	47.7	22.5	8.3	69.8	617	
	12-14	100.0	100.0	99.7	93.7	76.3	52.0	28.1	16.2	5.3	62.2	670	
	15-17	100.0	100.0	99.8	92.4	74.3	47.3	25.7	14.0	3.8	61.3	489	
	19-21												
	21-23												
<b>TOTALS</b>		100.0	100.0	99.9	95.9	84.3	64.9	37.9	22.9	7.5	66.9	754	

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CAUTION  
 USE WITH CARE  
 SEE FIRST PAGE

**RELATIVE HUMIDITY**

44773 KONO-NI RANGE KD 01-70,77-79 YEAR 1979  
 STATION STATION NAME PERIOD MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
	01-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	96.0	86.9	68.0	51.9	15.6	77.0	284	
	09-11	100.0	100.0	100.0	97.9	88.0	71.2	44.1	15.6	6.2	66.9	281	
	12-14	100.0	100.0	99.5	92.4	75.0	50.4	28.0	9.1	1.9	61.0	267	
	15-17	100.0	100.0	99.5	93.6	76.8	51.2	29.1	15.8	1.7	61.9	284	
	18-20												
	21-23												
<b>TOTALS</b>		100.0	100.0	99.5	96.1	84.3	64.7	41.3	23.0	6.9	67.3	2371	





USAFETAC  
 AIR WEATHER SERVICE/MAG

USE WITH CARE  
 SEE FIRST PAGE

RELATIVE HUMIDITY

08773  
 STATION

KOON-NI RANGE KO  
 STATION NAME

61-70, 73-79  
 PERIOD

000  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JUN	01-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	99.0	96.2	90.6	66.3	21.3	53.4	394	
	09-11	100.0	100.0	100.0	99.2	96.0	88.9	71.7	50.1	18.9	75.6	664	
	12-14	100.0	100.0	99.7	98.0	90.7	73.7	48.0	31.0	4.0	69.0	657	
	15-17	100.0	100.0	99.3	98.0	91.9	76.3	47.0	21.0	4.1	69.0	660	
	18-20												
	21-23												
TOTALS		100.0	100.0	99.9	98.9	94.5	80.8	64.4	37.0	9.7	74.5	7291	

USAFETAC FORM 0-87-5 (OL A)





FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

### RELATIVE HUMIDITY

USE WITH CAUTION  
SEE FIRST PAGE

43173 WOOD-NI RANGE KO

07-7, 77-79

Aug

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
AUG	00-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	94.9	79.7	31.9	36.3	414	
	09-11	100.0	100.0	100.0	100.0	99.4	94.2	75.8	47.7	10.6	73.6	669	
	12-14	100.0	100.0	100.0	99.5	96.0	82.2	34.5	24.8	5.1	72.7	646	
	15-17	100.0	100.0	100.0	99.3	94.7	80.5	55.8	21.8	5.3	71.7	586	
	18-20												
	21-23												
<b>TOTALS</b>		<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>99.7</b>	<b>97.4</b>	<b>89.2</b>	<b>70.7</b>	<b>43.5</b>	<b>13.4</b>	<b>77.2</b>	<b>2315</b>	



SIGNAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**RELATIVE HUMIDITY**

44073 KNOX-HI RANGE KO

68-70, 71-79

OCT

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
OCT	00-02												
	03-05												
	06-08	100.0	100.0	100.0	99.8	99.1	95.0	89.1	64.7	27.3	83.3	440	
	09-11	100.0	100.0	99.7	99.6	94.5	78.8	53.3	24.7	8.5	71.3	673	
	12-14	100.0	100.0	99.5	96.4	76.7	40.4	18.3	6.4	1.5	55.3	661	
	15-17	100.0	100.0	99.3	95.6	78.3	42.3	17.8	4.2	.2	39.6	568	
	18-20												
	21-23												
<b>TOTALS</b>		100.0	100.0	99.2	97.9	87.2	64.3	44.6	24.9	7.4	63.4	2342	





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

USE WITH FORM  
 5-73

**RELATIVE HUMIDITY**

40073 KNOX-VI RANGE KD

67-7,73-

ALL

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	97.6	87.1	67.6	42.0	21.0	9.0	64.1	2184
FEB		100.0	100.0	99.9	95.9	84.3	64.9	37.0	20.9	7.5	61.9	2141
MAR		100.0	100.0	99.5	93.7	84.3	64.7	41.1	23.1	8.9	67.3	2131
APR		100.0	100.0	99.8	95.5	83.9	64.5	43.7	21.1	6.1	67.2	2111
MAY		100.0	100.0	99.1	95.5	85.6	72.2	49.6	31.4	11.2	61.9	2121
JUN		100.0	100.0	99.9	98.9	94.5	83.6	64.4	37.0	11.7	74.5	2101
JUL		100.0	100.0	100.0	100.0	98.4	89.8	75.1	51.1	18.6	74.5	2154
AUG		100.0	100.0	100.0	99.7	97.4	89.2	77.3	45.5	12.4	77.2	2115
SEP		100.0	100.0	99.9	93.6	81.4	77.1	53.0	34.8	11.9	72.9	2126
OCT		100.0	100.0	99.8	97.9	87.2	64.3	44.6	24.9	9.4	58.4	2142
NOV		100.0	100.0	99.8	97.6	87.2	66.3	45.9	25.4	9.1	59.1	2167
DEC		100.0	100.0	100.0	89.5	93.5	78.1	56.5	28.7	7.5	71.3	2117
<b>TOTALS</b>		100.0	100.0	99.9	87.8	89.8	73.9	52.0	29.5	9.2	71.9	26821

PART F

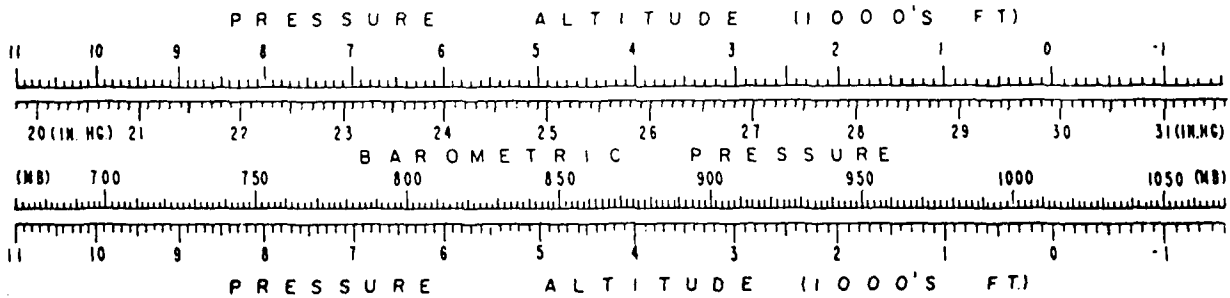
PRESSURE SUMMARY

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. **DATA NOT AVAILABLE**

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.





1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

**MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

43273 KOON-NI RANGE KO

68-70,73-80

STATION	STATION NAME	YEARS													
HPN	US	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
10		MEAN													
		S D													
		TOTAL OBS													
17		MEAN													
		S D													
		TOTAL OBS													
18		MEAN													
		S D													
		TOTAL OBS													
19		MEAN	30.203	30.167	30.090	29.961	29.829	29.712	29.685	29.717	29.887	30.075	30.198	30.211	29.977
		S D	.168	.177	.171	.164	.149	.140	.123	.142	.121	.161	.162	.159	.250
		TOTAL OBS	214	202	219	221	211	218	207	223	210	225	215	212	2577
17		MEAN	30.196	30.162	30.086	29.947	29.818	29.702	29.674	29.710	29.872	30.060	30.182	30.199	29.966
		S D	.170	.188	.170	.170	.148	.137	.125	.142	.121	.157	.163	.166	.250
		TOTAL OBS	216	203	228	224	220	223	206	219	211	223	216	202	2591
10		MEAN	30.157	30.109	30.039	29.908	29.790	29.671	29.650	29.681	29.833	30.018	30.147	30.158	29.927
		S D	.161	.193	.157	.148	.139	.134	.120	.136	.114	.146	.154	.165	.241
		TOTAL OBS	204	189	218	211	206	212	202	212	206	213	203	188	2464
13		MEAN													
		S D													
		TOTAL OBS													
21		MEAN													
		S D													
		TOTAL OBS													
ALL HOURS		MEAN	30.186	30.147	30.072	29.939	29.813	29.695	29.670	29.703	29.864	30.051	30.176	30.190	29.957
		S D	.167	.185	.168	.163	.146	.138	.123	.141	.121	.157	.161	.165	.248
		TOTAL OBS	634	594	665	656	637	653	615	654	627	661	634	602	7632

END

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