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FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC (11)

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USAFETAC/DS-82/023

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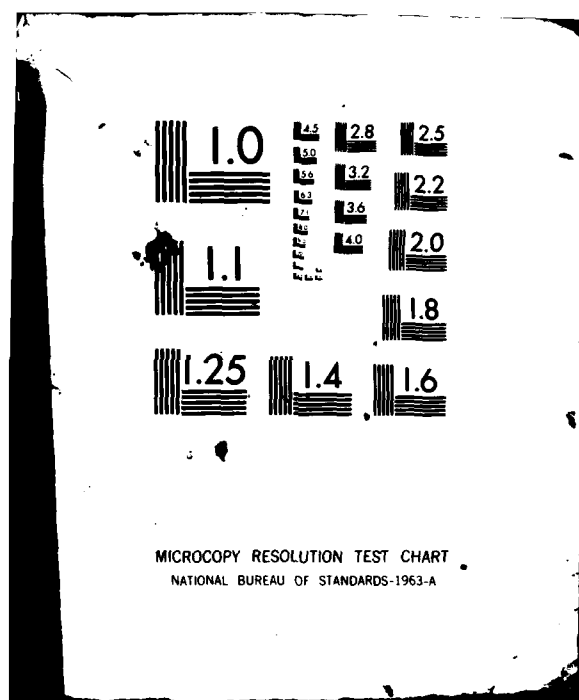
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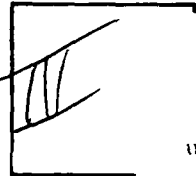


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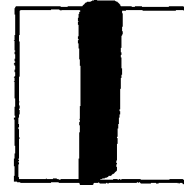
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USAFETAC/DS-82/023

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

FT LEONARD WOOD MO
N 37 45 W 092 09 FLD ELEV 1158 FT TBN

MSC #724457

PARTS A-F
FOR FROM HOURLY OBS: JAN 73 - DEC 81
FOR FROM DAILY OBS: APR 63 - DEC 81

TIME CONVERSION GMT TO LST: -6

APR 20 1982

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

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 82/023	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Fort Leonard Wood, Missouri		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
		6. PERFORMING ORG. REPORT NUMBER															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Fort Leonard Wood, Missouri It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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

Missouri

Fort Leonard Wood, Missouri

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those records 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 (precipitation, record-special, record, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Each section contains a brief description of the data comprising each part of the revised uniform summary of surface weather observations and the manner of presentation. The summaries are prepared from hourly and daily observations recorded by stations operating the system and are prepared in accordance with similar reporting practices.

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring climate variations are summarized in three-hour periods corresponding to the following sets of hourly observations: 0000-0100, 0100-0200, 0200-0300, 0300-0400, 0400-0500, 0500-0600, 0600-0700, 0700-0800, 0800-0900, 0900-1000, 1000-1100, 1100-1200 hours local standard time.

MISSING HOUR GROUPS

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

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WMO NUMBER
724457	FORT LEONARD WOOD MO/FORNEY AAF	N 37 45	W 092 09	1158	TBN	

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. BARO.	
1	Ft Leonard Wood/Forney AAF	AAF	3 May 63	1 Nov 66	N 37 44	W 092 09	1158	1153	24
2	Same	Same	2 Nov 66	31 Aug 68	Same	Same	1168	1152	24
3	Same	Same	1 Sep 68	30 Sep 68	Same	Same	Same	Same	16*
4	Same	Same	1 Oct 68	31 Oct 68	Same	Same	Same	Same	24
5	Same	Same	1 Nov 68	31 Jan 69	Same	Same	Same	Same	16*
6	Same	Same	1 Feb 69	30 Sep 73	Same	Same	Same	Same	24
7	Same	Same	1 Oct 73	31 Jul 74	Same	Same	1158	Same	18
8	Same	Same	1 Aug 74	31 Dec 74	Same	Same	Same	Same	14
9	Same	Same	1 Jan 75	30 Nov 75	N 37 45	Same	Same	1168	18
10	Same	Same	1 Dec 75	1 Feb 82	Same	Same	Same	1151	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	3 May 63	Located on top of control tower	AN/GMQ-11	N/A	32 Ft	* Some days of the month reported 24 obs.
2	1 Nov 66	Located 500 ft NE of centerline of Rnwy 90 ft from SE end of rnwy	Same	Same	14 Ft	
3	1 Dec 66	Located 500 ft of centerline of rnwy 50 ft from SE end of rnwy	Same	Same	Same	
4	Dec 70	Located 500 ft of centerline of rnwy 90 ft from SE end of rnwy	AN/GMQ-20	PC-102	Same	
5	30 Nov 75	Same	Same	Same	Same	
6	1 Feb 82	Same	Same	Same	Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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.

AL CLIMATOLOGY BRANCH
 AFAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

407 FT LEONARD WOOD MC 73-81 JAN
 STATION STATION NO 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	10-00	1.9	11.9		5.0		16.6	10.6				1.9	101
	03-05	.5	9.7		5.9		15.1	12.4	.5			12.4	105
	06-08	.3	5.3	.9	13.5		19.3	14.2	4.6	.9		19.2	797
	09-11	.2	5.6	1.1	13.8		20.1	12.3	9.4	2.4		23.1	834
	12-14		4.1	.1	12.8		16.7	9.1	7.2	2.5		15.2	834
	15-17		5.1	.4	12.0		17.1	6.9	7.0	2.7	.1	17.2	837
	18-20		5.0	1.4	13.0		15.1	8.4	2.5	.9		11.2	807
	21-23	.5	5.6	1.4	13.0		16.0	7.5	1.1	.6		7.2	847
TOTALS		.4	6.7	.7	10.4		17.2	10.5	4.1	1.3	.1	15.1	5779

AL CLIMATOLOGY BRANCH
TAC
FATHER SERVICE/440

WEATHER CONDITIONS

1407 ST LEONARD WOOD MO 73-81 FE
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
FEB	1-2		1.4	.6	6.0		17.4	29.3	1.3			21.1	167
	3-5	1.0	12.1	1.0	1.0		24.2	13.3	2.1			15.3	149
	6-7	1.1	7.6	1.4	10.6		13.8	21.3	7.5	.5		27.2	234
	8-11		5.0	1.0	13.3		19.6	20.2	13.1	.9		33.7	767
	12-14	.1	5.0	.1	10.2		15.0	11.0	14.7	.9		25.5	761
	15-17		6.1	.1	5.1		14.1	10.7	11.5	.9	.1	22.5	757
	18-20	.1	6.2	.9	15.0		16.9	12.1	5.1	1.5	.1	17.8	741
	21-23	.5	5.4	1.5	6.8		15.5	11.2	1.3	.5		12.8	515
TOTALS		.4	7.5	.9	9.7		17.8	13.6	7.4	.7	.3	25.6	4735

ADULTATORY BRANCH
TAC
POSTAL SERVICE / PAC

WEATHER CONDITIONS

457 FT LEONAR 4000 M 78-81
STATION STATION NAME YEARS MONTH 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	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
6-6	0-5	2.2	7.6		3.2		11.3	17.7	.1			1.1	106
	6-11	1.4	10.6		1.6		13.4	21.3	2.3	.2		2.1	110
	12-5	.8	11.5		1.5		15.1	22.5	7.3	.4		2.6	794
	6-11	.4	8.3		4.1		13.9	13.9	11.0	.7		24.3	135
	12-14	.7	9.7		3.6		12.9	5.9	8.7	.7		17.6	136
	15-17	1.1	8.6		3.7		12.7	9.1	6.3	.4		15.2	137
	18-20	2.4	9.1	.2	4.1		12.6	9.3	3.2	.2		12.2	138
	21-23	1.3	10.1		3.0		12.3	9.0	1.3	.1		10.1	702
TOTALS		1.3	9.9	.2	3.6		13.1	14.0	5.2	.4		14.7	5047

LOCAL CLIMATOLOGY BRANCH
 AFSTAC
 AFSTAC SERVICE/MAC

WEATHER CONDITIONS

457 FT LEONARD WOOD MO 70-11 APR
 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.
1-5	00-05	7.2	13.7		3.3		17.2	7.2	3.2	.6		15.3	160
	06-11	3.5	10.2		2.2		12.4	9.7	2.2			1.0	226
	12-01	1.7	11.3		1.3		11.3	14.6	8.6	.4		22.4	776
	02-07	.6	8.9		1.4		10.2	6.5	7.7	.5		14.1	810
	08-14	1.3	6.3		1.4		10.1	1.7	4.4	.2		6.3	910
	15-17	1.1	7.3		1.1		8.4	2.3	4.9	.1		7.2	810
	18-23	2.6	10.3		.9		11.1	3.3	2.3	.1		5.2	809
	24-29	2.1	9.4		1.1		10.3	2.3	1.4	.5		3.2	859
TOTALS		2.5	9.9		1.6		11.3	5.9	4.4	.3		9.9	5080

CLIMATE CLIMATOLOGY BRANCH
 AFSTAC
 AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

70457 FT LEONARD WOOD MO 73-61 MAY
 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	00-01	.5	3.1				3.1	3.6	1.1			9.7	105
	03-05	2.8	9.9				9.9	23.4	10.2			25.4	763
	06-08	2.0	11.7				11.7	21.7	16.7			34.3	510
	09-11	1.6	9.3				9.3	3.4	11.6			14.6	336
	12-14	1.3	8.6				8.6	4.0	7.6			11.6	435
	15-17	2.8	8.1				8.1	4.4	6.0			9.9	335
	18-20	3.8	9.1				9.1	6.1	5.9			11.3	734
	21-23	2.1	8.8				8.8	5.8	.0			14.7	520
TOTALS		2.2	9.2				9.2	10.3	7.5			14.4	5067

CLIMATOLOGY BRANCH
 PETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

4451 FT LEONARD WOOD MO
 STATION STATION NAME

73-81
 YEARS

JUN
 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.
JUN	00-02	5.6	8.3				8.3		5.0			5.0	160
	03-05	3.9	7.0				7.0	15.8	11.9			21.8	730
	06-08	2.0	5.6				5.6	12.0	18.7			27.5	901
	09-11	2.3	4.2				6.2	3.2	11.7			14.2	810
	12-14	3.5	6.4				6.4	1.4	7.5			8.6	810
	15-17	2.8	5.9				5.9	1.5	6.8			8.1	810
	18-20	2.6	4.8				4.8	1.8	10.0			11.5	763
	21-23	2.8	3.1				3.1	1.6	6.7			8.4	431
TOTALS		3.2	6.2				6.2	4.7	9.8			13.2	4935

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

0457 FT LEONARD WOOD MO 73-81 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	00-01	1.2	1.2				1.2	2.4	9.4			10.0	170
	03-05	1.3	3.3				3.3	22.8	21.0			27.4	734
	06-08	1.8	4.2				4.2	17.5	25.1			41.8	125
	09-11	2.0	5.5				5.5	4.1	20.0			23.7	634
	12-14	1.5	4.2				4.2	1.6	17.0			18.5	425
	15-17	2.8	5.1				5.1	1.4	13.8			15.1	528
	18-20	3.6	4.6				4.6	1.9	14.4			15.9	305
	1-23	3.4	3.8				3.8	1.6	6.3			7.4	446
TOTALS		2.3	4.0				4.0	6.7	16.3			21.1	5067

☐
 CLIMAT. CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

74457 STATION FT LEONARD WOOD MO STATION NAME 73-81 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-01	.5	.5				.5	10.2	0.6			16.7	166
	03-05	1.5	2.3				2.3	71.7	15.0			27.3	241
	06-08	1.7	5.2				5.2	24.5	33.3			49.7	277
	09-11	1.0	3.3				3.3	4.5	26.2			29.7	236
	12-14	1.9	4.3			.1	4.3	1.6	19.0			19.9	235
	15-17	4.4	5.0				5.0	1.4	16.7			17.7	237
	18-20	4.3	5.5				6.5	2.4	13.9			15.2	234
	21-23	3.1	4.4				4.4	4.1	5.1			7.2	458
TOTALS		2.3	4.0			.1	4.0	5.6	17.4			23.3	5154

AL PAC CLIMATOLOGY BRANCH
 AFSTAC
 AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

4457 STATION FT LEONARD WOOD MO 73-81 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
01	01-01	.6	5.6				5.6	19.6	3.4			22.7	173
	02-02	3.3	1.6				10.9	25.2	8.6			24.9	729
	03-03	1.4	7.1				7.0	20.8	24.0			44.7	799
	04-04	.1	6.6				6.3	7.0	18.4			24.5	630
	05-05	.6	5.4				5.4	4.0	13.8			17.4	609
	06-06	1.5	6.6				6.6	3.3	11.5			14.0	908
	07-07	2.0	5.2				5.2	6.2	6.4			11.5	902
	08-08	2.3	5.4				5.4	8.0	4.3			11.1	441
TOTALS		1.5	6.6				6.6	12.8	11.3			21.6	4974

JOINT CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

457 FT LEONARD WOOD MO 73-81 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	00-04		2.0				2.0	9.9	5.0			12.9	101
	05-09	.4	7.1				7.1	11.2	1.5			11.9	269
	10-14	1.1	9.0				9.0	17.7	7.2			22.7	615
	15-19	1.0	6.3				6.3	8.9	3.5			16.0	436
	20-24	1.0	7.9				7.8	4.4	6.6			15.7	435
	25-29	.5	6.0				6.0	4.2	5.4			9.1	435
	30-31	1.3	5.5				5.5	3.4	1.9			4.9	430
	01-05	.6	6.7				6.7	4.5	2.4			6.7	462
	06-10												
	11-15												
	16-20												
	21-25												
TOTALS		.7	5.6				6.6	8.0	4.9			11.9	4963

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

70457 FT LEONARD WOOD MO 73-81 NOV
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	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	00-02	1.1	0.5		3.3		5.8	6.5	3.3			9.8	92
	03-05		0.7				6.7	14.4	1.1			14.4	90
	06-08	.5	9.2		1.9		11.0	19.3	7.2			24.5	736
	09-11		8.4		3.7		12.1	13.1	6.8	.2		19.8	839
	12-14		3.3		3.3		11.5	9.0	6.4			14.5	467
	15-17	.1	9.0		2.9		11.2	8.1	5.1	.2		13.2	904
	18-20	.6	9.6	.4	3.5		13.2	7.3	2.1	.1		9.3	794
	21-23	1.2	10.1	.2	3.3		13.5	6.4	1.2			7.1	845
TOTALS		.4	8.5	.1	2.7		11.1	10.5	4.2	.1		14.1	4777

U.S. AIR FORCE
 CLIMATE DIVISION
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION 17487 FT LEONARD WOOD MO 73-81 DEC
 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.
DEC	00-05		8.8		6.3		15.0	10.0	1.3	2.5		12.5	60
	06-11		10.0		6.7		16.7	16.7	1.7	3.3		18.3	67
	12-17	.1	6.8	.9	5.1		12.2	17.4	4.2	.9		20.6	689
	18-23		7.7	1.1	7.3		15.8	17.1	8.1			23.8	836
	24-29	.2	6.9	1.2	6.5		14.0	12.9	9.0	.2		20.9	837
	30-31		8.5	.7	4.9		11.5	11.6	7.8	.5		18.6	834
	1-5	.1	7.5	.6	6.2		13.6	9.4	2.4	.4		11.7	918
	6-10	.2	7.2	.2	5.7		12.9	5.1	1.7	.5		10.1	582
	11-15												
	16-20												
	21-25												
	26-31												
TOTALS		.1	7.7	.6	6.1		14.0	12.9	4.5	1.0		17.1	4736

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

19457 FT LEONARD WOOD MC 73-81 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	.4	6.7	.7	10.4		17.2	10.5	4.1	1.3	.0	17.1	5279
FEB		.4	7.5	.9	9.7		17.8	19.6	7.4	.7	.0	25.6	4735
MAR		1.3	9.9	.0	3.6		13.1	14.0	5.2	.4		16.7	5242
APR		2.5	9.9		1.6		11.3	5.9	4.4	.3		9.9	5287
MAY		2.2	9.2				9.2	10.3	7.5			16.4	5227
JUN		3.2	6.2				6.2	4.7	9.8			13.2	4935
JUL		2.3	4.0				4.0	6.7	16.3			21.1	5067
AUG		2.3	4.0			.0	4.0	8.6	17.4			23.3	5154
SEP		1.5	6.6				6.6	12.8	11.3			21.6	4974
OCT		.7	6.6				6.6	8.0	4.6			11.9	4953
NOV		.4	6.5	.1	2.7		11.1	10.5	4.2	.1		14.1	4777
DEC		.1	7.7	.6	6.1		14.0	12.9	4.5	1.0		17.1	4736
TOTALS		1.4	7.2	.2	2.3	.0	10.1	10.3	6.1	.3	.0	17.3	59069

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. AIR FORCE METEOROLOGICAL BRANCH
 AFMTC
 AIRCRAFT SERVICE/IAS

WEATHER CONDITIONS
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

457 STATION LEONARD WOOD MO 55-56, 57-58 YEARS 1955 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	2.2	23.3	5.3	24.6	.6	44.3	31.1	23.4	3.4		33.4	455
FEB		3.3	25.3	5.4	26.9	.4	47.4	27.3	21.7	4.3		43.6	46
MAR		2.3	36.1	1.8	17.1	1.0	46.6	36.9	27.6	2.4		43.6	450
APR		18.6	43.2		1.2	1.2	44.6	27.4	26.2	1.2		32.4	511
MAY		21.5	43.6			1.3	43.6	34.8	26.2			44.4	557
JUN		24.5	43.4			.4	43.4	33.2	33.6			46.4	574
JUL		22.6	32.7				32.7	33.2	41.3			51.2	557
AUG		21.9	33.9			.2	33.9	40.3	49.2			51.2	551
SEP		14.4	37.6			.3	37.6	43.3	43.1			51.4	574
OCT		4.3	22.4		.3	.4	32.6	30.5	23.7			27.5	551
NOV		5.2	34.7	.6	11.6		39.5	22.6	24.2	.5		42.3	523
DEC		2.6	31.6	7.1	22.5		43.3	36.2	21.6	1.7		42.9	538
TOTALS		12.1	33.4	1.8	9.4	.6	41.0	35.3	30.4	1.4		44.1	5501

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

Continued on Reverse Side

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

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

Air Force Stations:

Beginning thru 1945	at 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

2

CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

724457 FT LEONARD WOOD MO

63-61

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	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	5.2	19.6	2.5	6.2	3.0	6.3	2.8	2.3	.8					25.8	527	1.61	5.41	.32
FEB	1.5	19.7	2.7	7.7	4.4	5.4	4.4	3.1	1.0	.2				28.7	522	2.02	4.92	.97
MAR	0.4	16.6	3.0	5.7	3.2	6.3	7.7	3.6	2.9	.4				31.8	558	3.62	9.17	1.41
APR	0.3	15.5	2.3	5.8	3.3	7.7	6.5	4.9	3.7	.4				34.3	569	4.15	7.29	1.90
MAY	1.6	14.7	2.6	4.8	2.9	6.6	7.8	4.6	3.9	.5				33.7	587	5.08	6.96	1.29
JUN	54.2	11.1	2.5	6.8	3.5	7.0	6.3	3.5	4.0	.4				34.0	570	3.92	10.33	.97
JUL	4.4	9.7	1.5	4.8	2.9	5.1	3.7	3.7	3.9	.2				25.9	587	3.43	9.74	.56
AUG	2.5	11.0	2.0	3.7	2.9	4.9	5.4	3.7	3.4	.3				26.5	589	3.74	8.69	.90
SEP	67.9	9.0	2.0	4.7	3.6	4.8	4.5	7.0	2.9	.5	.2			30.1	558	4.36	11.63	.36
OCT	5.7	9.8	1.5	3.1	2.2	4.8	4.8	4.1	4.1					24.4	589	3.57	7.77	.46
NOV	57.8	13.5	1.8	5.1	4.0	7.1	4.0	3.6	2.7	.2				28.6	548	2.91	5.41	.68
DEC	59.0	17.0	2.5	6.6	3.6	4.5	4.7	4.3	1.8					28.0	558	2.62	7.92	.45
ANNUAL	56.7	13.9	2.2	5.6	3.3	5.9	5.2	4.0	2.9	.3	.0			29.4	6762	41.03		

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

724457 FT LEONARD WOOD MO
STATION STATION NAME

63-81

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

JULIAL CLIMATOLOGY BRANCH

20 L TAC

A* LEATHER SERVICE/MAC

EXTREME VALUES

MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

704457	FT LEONARD WOOD MO
STATION	STATION NAME

63-81

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	MONTH												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
53				2.91	5.28	4.31	1.95	2.59	.36	1.41	2.00	.66	
54	1.08	2.29	6.49*	4.16*	1.47	3.35	.83	2.01	1.25	.46	2.97	1.08	*27.44
55	2.18	1.49	1.41	5.45	4.60	5.13	8.40	7.84	9.73	.67	1.55	4.89	53.34
56	.97	5.01	2.45	7.29	4.01	1.53	4.45	2.75	6.33	2.52	3.09	1.75	42.15
57	1.74	1.82	1.86	5.07	7.56	5.88	2.74	.90	4.35	7.77	1.93	4.80	46.42
58	2.21	1.50	4.03	2.36	5.06	2.24	2.23	3.70*	1.24	2.18*	3.04		
59		2.78	2.53	4.80	2.89	4.93	4.65	1.40	4.64	6.88	.73	3.10	
60	.32	1.31	3.84	6.16	4.12	8.91	.56	3.46	11.63	5.50	2.65	2.06	50.52
61	1.29	2.71	1.99	2.30	5.52	3.57	2.25	1.61	3.29	3.63	2.74	7.92	38.82
62	.93	1.80	2.12	5.19	1.29	1.52	7.06	3.06	5.67	4.11	6.11	2.29	41.15
63	3.27	1.06	9.17	4.68	5.45	1.69	3.78	1.21	4.72	6.87	5.05	3.99	50.94
64	2.67	2.71	4.92	3.87	5.86	2.46	1.21	8.69	5.13	1.79	4.56	3.12	46.99
65	5.41	4.92	3.40	3.38	6.40	4.14	2.29	8.21	4.96	1.76	2.45	2.34	49.66
66	.57	2.12	1.84	4.27	3.69	1.15	3.72	1.03	1.60	3.25	.77	.45	24.46
67	1.16	2.11	4.52	2.57	3.94	7.20	.77	5.37	6.12	2.41	4.47	2.85	43.49
68	.92	1.00	5.40	2.55	4.53	3.05	4.94	4.25	1.70	1.97	6.41	2.11	38.80
69	1.78	2.04	3.33	7.24	7.24	2.04	9.04	5.74	2.39	3.28	2.17	1.81	48.10
70	.32	1.92	3.90	2.64*	1.72	.97	.95	4.96	2.84	6.13	.68	.82	*27.85
71	.50	1.68	1.99	1.90	8.96	10.33*	5.82	2.20	1.70	5.22	2.02	1.19	*43.51
MEAN	1.607	2.237	3.622	4.146	5.081	3.916	3.434	3.736	4.356	3.569	2.908	2.624	44.218
S D	1.290	1.121	1.976	1.698	1.831	2.643	2.593	2.469	2.934	2.225	1.746	1.860	7.574
TOTAL OBS	527	579	558	569	587	570	587	589	558	589	548	558	6749

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

2 GLOBAL CLIMATOLOGY BRANCH
 DRAFETAC
 AT WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW REL
 (FROM DAILY OBSERVATIONS)

724457 FT LEONARD WOOD MO

63-81

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	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	69.4	18.3	4.9	4.0	1.9	.6	.2	.4	.2					12.3	470	4.9	18.9	TRACE
FEB	70.1	18.1	4.7	3.7	1.5	.4	.4	.6	.4					11.0	465	4.6	12.0	TRACE
MAR	72.8	10.7	1.7	1.7	1.0	.8	.6	.6	.2					6.5	523	4.4	16.0	.0
APR	77.5	1.6		.2	.4	.4								.9	570	.6	6.6	.0
MAY	100.0														588	.0	.0	.0
JUN	100.0														570	.0	.0	.0
JUL	100.0														588	.0	.0	.0
AUG	100.0														589	.0	.0	.0
SEP	100.0														558	.0	.0	.0
OCT	69.5	.5													589	TRACE	TRACE	.0
NOV	78.6	9.5	.2	.5	.2	.2	.4	.2	.2					1.8	546	1.7	10.3	.0
DEC	76.2	15.7	3.0	3.0	.8	.4	.4	.2	.2					8.1	496	3.1	14.4	.0
ANNUAL	77.3	6.2	1.2	1.1	.5	.2	.2	.2	.1					3.4	6552	19.3		

GLOBAL CLIMATOLOGY BRANCH
NOFETAC
AIR WEATHER SERVICE / MAC

EXTREME VALUES

SNC FALL

FROM DAILY OBSERVATIONS

724457 F7 LEONARD WOOD MO
STATION STATION NAME

63-65, 67-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
63				.0	.0	.0	.0	.0	.0	.0	.0	2.0	
64	9.4	.7	3.0	.0	.0	.0	.0	.0	.0	.0	TRACE		
65				.0	.0	.0	.0	.0	.0	.0	.0	TRACE	
67	.1*	2.0*	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	2.1	2.1
68	.7	2.6	3.3	.0	.0	.0	.0	.0*	.0	.0*	.0		
69	*TRACE	6.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.8	6.0
70	1.7	2.4	5.1	TRACE	.0	.0	.0	.0	.0	.0	.5	3.0	5.0
71	1.1	3.3	1.6	3.3	.0	.0	.0	.0	.0	.0	4.0	.0	4.0
72	.8	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	3.5	1.0	3.0
73	1.9	TRACE	TRACE	1.4	.0	.0	.0	.0	.0	TRACE	.0	8.1	8.0
74	.1	.7	6.6	TRACE	.0	.0	.0	.0	.0	.0	4.6	3.2	6.0
75	.2	5.0	5.0	TRACE	.0	.0	.0	.0	.0	.0	10.3	1.4	10.0
76	1.1	1.7	1.4	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.0
77	6.3	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.2	1.0	6.0
78	3.7	2.9	3.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2	3.0
79	6.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	.7	6.0
80	1.4	4.6	4.4	2.7*	.0	.0	.0	.0	.0	.0	1.0	TRACE	4.0
81	2.9	4.3	.0	.0	.0	.0*	.0	.0	.0	.0	TRACE	.7	4.0
MEAN	2.47	2.47	2.28	.41	.00	.00	.00	.00	.00	TRACE	1.42	1.76	5.51
S.D.	2.742	1.968	2.288	1.003	.000	.000	.000	.000	.000	.000	2.760	2.072	2.490
TOTAL OBS.	467	452	494	540	557	540	557	558	528	558	518	496	626

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

63-65, 67-81

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
63				.0	.0	.0	.0	.0	.0	.0	.0	3.9	
64	12.	1.2	5.4	.0	.0	.0	.0	.0	.0	.0	TRACE		
65				.0	.0	.0	.0	.0	.0	.0	.0	TRACE	
67	.1*	2.0*	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.0	* 8.1
68	2.5	5.7	6.9	.0	.0	.0	.0	.0*	.0	.0*	.0		
69	*TRACE	8.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	9.7	* 18.3
70	4.0	2.7	16.0	TRACE	.0	.0	.0	.0	.0	.0	.5	3.8	27.0
71	1.3	6.4	3.4	6.8	.0	.0	.0	.0	.0	.0	4.0	.0	21.9
72	1.4	2.5	TRACE	.0	.0	.0	.0	.0	.0	.0	7.9	1.9	13.7
73	3.6	TRACE	TRACE	1.4	.0	.0	.0	.0	.0	TRACE	.0	14.4	19.4
74	.1	2.2	11.0	TRACE	.0	.0	.0	.0	.0	.0	4.6	3.2	21.1
75	.2	11.0	9.5	TRACE	.0	.0	.0	.0	.0	.0	10.3	1.4	32.4
76	1.1	1.9	1.4	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.4
77	12.5	.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.2	2.0	15.2
78	9.4	6.7	7.4	.0	.0	.0	.0	.0	.0	.0	TRACE	2.5	26.0
79	18.9	1.3	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	.7	21.0
80	1.6	9.8	4.5	2.7*	.0	.0	.0	.0	.0	.0	1.5	TRACE	* 20.1
81	4.5	5.9	.0	.0	.0	.0*	.0	.0	.0	.0	TRACE	.8	* 11.2
MEAN	4.89	4.43	4.37	.61	.00	.00	.00	.00	.00	TRACE	1.71	3.14	20.21
S D	5.676	3.541	4.969	1.696	.000	.000	.000	.000	.000	.000	3.150	3.968	7.822
TOTAL OBS	469	452	494	540	557	540	557	558	528	558	518	496	6267

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

724457

FT LEONARD WOOD MO

63-81

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	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			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	67.2	3.8	7.6	6.5	3.4	6.5	5.1							29.0	527			
FEB	67.2	9.8	7.5	4.2	3.3	5.6	2.5							23.0	522			
MAR	8.9	1.0	3.0	1.4	.5	2.9	1.4							9.3	558			
APR	8.9		.7	.2	.2									1.1	570			
MAY	100.0														588			
JUN	100.0														570			
JUL	100.0														588			
AUG	100.0														589			
SEP	100.0														568			
OCT	100.0														589			
NOV	6.9	.7	1.2	.4	.4	.4	.2							2.5	570			
DEC	3.2	0.3	5.1	1.4	.5	.8	.7							8.5	589			
ANNUAL	41.8	2.0	2.1	1.2	.7	1.3	.6							6.1	6828			

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

724457 STATION FT LEONARD WOOD MO STATION NAME

63-61

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
63				0	0	0	0	0	0	0	0	1	
64	9	2	3	0	0	0	0	0	0	0	0	1	
65	5	4	9	0	0	0	0	0	0	0	0	0	
66	1	6	1	0	0	0	0	0	0	0	1	5	
67	1	2	2	0	0	0	0	0	0	0	0	2	
68	2	4	5	0	0	0	0	0*	0	0	0	4	
69	4	7	0	0	0	0	0	0	0	0	0	7	
70	7	2	9	0	0	0	0	0	0	0	0	3	
71	1	4	2	3	0	0	0	0	0	0	1	0	
72	1	1	0	0	0	0	0	0	0	0	5	1	
73	3	TRACE	0	1	0	0	0	0	0	0	0	6	
74	6	1	7	0	0	0	0	0	0	0	3	2	
75	TRACE	7	7	0	0	0	0	0	0	0	10	2	10
76	1	2	1	0	0	0	0	0	0	0	0	TRACE	
77	3	2	0	0	0	0	0	0	0	0	1	2	
78	8	6	6	0	0	0	0	0	0	0	0	1	
79	9	8	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	
80	1	12	2	2*	0	0	0	0	0	0	3	TRACE	12
81	1	3	0	0	0	0*	0	0	0	0	TRACE	1	
MEAN	3.3	4.1	3.0	.3	.0	.0	.0	.0	.0	.0	1.3	2.1	6.5
S D	3.251	3.077	3.272	.820	.000	.000	.000	.000	.000	.000	2.535	2.355	2.656
TOTAL OBS	557	509	558	570	588	570	588	589	568	589	570	589	6849

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

LOCAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SURFACE WINDS

FROM DAILY OBSERVATIONS

0457 FT LEONARD WOOD MC
STATION STATION NAME

66-81

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
66	SSW	41SSW	37SSW	36S	37NW	42W	53NNW	32W	39SW	25NW	43NW	26NW	35
67	S	29NW	29W	38SW	45W	41W	3932/	4221/	4325/	3431/	3320/	3124/	46
68	24/	3632/	3424*	3936*	5128/	3836/	4723/	5527/	3833/	3319/	4518/	4226/	40
69	20/	4633/	3916/	4026/	3922/	4030/	3921/	2822/	3231/	4016/	4525/	4126/	46
70	17/	3625/	5225/	5528/	4230/	4533/	5128/	41 9/	2527/	3121/	3432/	3324/	49
71	16/	3632/	3823/	3525/	4130/	3830/	4025/	4235/	2720/	2813/	3317/	3325/	42
72	26/	3721/	3022/	4328/	4819/	3621/	4130/	3528/	4032/	2727/	6234/	5524/	66
73	21/	2530/	3322/	4024/	4820/	3725/	4535/	3031/	3730/	2918/	3133/	3718/	78
74	25/	4231/	3027/	5027/	4136/	4722/	4425/	4826/	4723/	3320/	3224/	4919/	34
75	20/	3627/	5624*	5123*	3822/	3132/	3224/	2830*	3228/	3134/	2222/	3429/	37
76	35/	4223/	3918*	3327/	3331/	5028/	3336*	1822/	4027/	4034/	3022/	4024/	37
77	28/	3430/	4025/	3226/	4232/	4522/	3428/	5834/	4824/	3234/	3126/	3231/	36
78	35/	31 1/	3518/	3524/	4520/	3625/	3021/	3225/	2731/	2726/	4529/	3631/	37
79	20/	4432/	4022/	3631/	3925/	2922/	2836*	4021*	3434*	3332*	2721*	2634*	25
80	12*	3234*	2820/	3223/	3634/	2733/	32 4/	2810/	2522/	2532/	2926/	4923*	33
81													
MEAN	36.5	38.0	39.3	41.2	38.8	39.2	37.9	35.7	30.5	37.6	38.4	42.1	51.1
SD	6.382	7.795	7.524	4.512	6.560	7.702	10.042	7.819	5.167	7.847	7.827	8.792	7.739
TOTAL OBS	457	411	429	437	461	447	475	485	464	482	469	479	5498

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA) (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

SURFACE WINDS

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

STATION	STATION NAME	YEARS	DISTRICT
	ALL - ALICE		
	CLASS		
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			4.3									4.3	4.3
NNE	1.7	1.7										3.4	3.4
NE	1.2	1.7										2.9	2.9
ENE													
E	1.7	1.7										3.4	3.4
ESE													
SE	2.5	2.7	.6	.6								7.5	7.5
SSE	.8	1.7	1.9									4.3	4.3
S	1.7	2.1	4.3	5.7	.6							14.9	14.9
SSW	.8	1.7	3.1	3.7								9.7	9.7
SW		.8	.6	2.5								3.7	3.7
WSW	.8	2.5		2.5								5.8	5.8
W	.8	2.5	3.1	1.9	.6							8.7	8.7
WNW		.8	1.2	2.5								4.3	4.3
NW		3.7	1.9	1.9								7.5	7.5
NNW		2.5	.6									3.1	3.1
VARBL													
CALM												7.5	7.5
	14.3	34.3	11.7	2.5	1.2							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 141

U.S. AIR CLIMATOLOGY BRANCH
 WILTAC
 WASHINGTON FIELD SERVICE UNIT

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

SURFACE WINDS

STATION WILTAC STATION NAME WILSON FIELD YEARS 77-78 MONTH JAN
 CLASS ALL WEATHER HOURS (LST) 0000-2359
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	5.7	1.1	1.1								10.0	5.0
NNE	1.1	1.1										2.2	4.0
NE	1.1	5.7										6.8	5.0
ENE	5.7	1.1										6.8	4.0
E	1.1	1.1	5.7									7.9	5.0
ESE	5.7	1.1	1.1	5.7								13.6	6.0
SE	1.1	5.7	5.7									12.5	5.0
SSE	5.7	5.7	5.7	1.1								20.8	6.0
S	1.1	5.7	5.7	5.7								23.0	7.0
SSW	1.1	5.7	1.1	1.1								10.0	7.0
SW		5.7	5.7	1.1								12.5	6.0
WSW	5.7		5.7		5.7							17.4	6.0
W	1.1	1.1	5.7	5.7	1.1							14.3	7.0
WNW	1.1	5.7	5.7									12.5	6.0
NW	1.1	5.7		1.1								8.9	6.0
NNW		5.7	1.1									7.9	5.0
VARBL													
CALM												11.4	
	14.3	37.3	20.4	8.2	2.2							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 4

SURFACE WINDS

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

STATION 40 STATION NAME ALLIANCE YEARS 7-81 MONTH JAN

CLASS ALLIANCE

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	1.0	2.0	1.7	1.0	.1							1.0	1.0
NNE	1.0	1.0	1.1									1.0	1.0
NE	1.1	1.3	.4	.1								1.0	1.0
ENE	.0	.2	.5									1.0	1.0
E	.0	1.0	.1									1.0	1.0
ESE	.0	.2	.1	.1								1.0	1.0
SE	.0	1.0	1.2	.3								1.0	1.0
SSE	1.0	3.4	2.0	.4								1.0	1.0
S	1.0	4.0	4.3	2.3								1.0	1.0
SSW	.0	.0	1.3	.4								1.0	1.0
SW	.0	1.0	1.0	.5								1.0	1.0
WSW	.0	1.0	1.0	.5								1.0	1.0
W	.0	2.0	2.7	1.4								1.0	1.0
WNW	.0	2.0	2.7	.5	.3							1.0	1.0
NW	.0	2.0	2.3	1.4	.1	.1						1.0	1.0
NNW	.0	2.0	1.3	1.0	.6							1.0	1.0
VARBL												1.0	1.0
CALM												1.0	1.0
	1.0	3.0	4.7	1.5	1.1	.1						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 7

U.S. AIR FORCE
 10-10-64
 10-10-64

SURFACE WINDS

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

STATION 10-10-64 STATION NAME 10-10-64 YEARS 10-10-64 MONTH 10-10-64
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	1.0	.0	.1						.7	1.0
NNE	1.0	1.0	1.0									.7	1.0
NE	.0	1.0	1.0									.7	1.0
ENE	.0	1.0	.0	.1								.7	1.0
E	.0	1.0	.1									.7	1.0
ESE	.0	1.0		.1								.7	1.0
SE	.0	1.0	1.0	.0								.7	1.0
SSE	.0	2.0	2.0	.4								.7	1.0
S	.1	3.0	3.0	.0	.0							11.0	3.0
SSW	.1	1.0	1.0	.0	.1	.0						.7	1.0
SW	.0	1.0	1.0	.0	.1							.7	1.0
WSW	.0	1.0	1.0	1.0	.1	.1						.7	1.0
W	.0	1.0	2.0	1.0	.1	.1						.7	1.0
WNW	.0	2.0	4.0	1.0	.1	.1						.7	1.0
NW	.0	2.0	3.0	2.0	.4							.7	1.0
NNW	.0	2.0	2.0	2.0	.4							.7	1.0
VARBL													
CALM													
	1.0	26.7	37.1	15.7	1.0	.7						100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 10-10-64

SURFACE WINDS

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

STATION 407 STATION NAME LEONARD AFB FL YEARS 71-72 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 07-14
 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	1.1	1.1	.1							7.4	7.7
NNE	.0	2.0	1.6	.2								4.7	5.0
NE	.0	1.0	.0									3.2	3.4
ENE	1.0	1.4	.5									2.0	4.0
E	.0	1.0	.0									2.0	4.0
ESE	.0	.0	.1									1.0	4.0
SE	.0	.7	.0	.6	.1							2.0	7.7
SSE	.0	1.0	2.0	.7								3.4	7.7
S	.0	1.0	3.1	2.3	.2							7.9	4.7
SSW	.0	1.0	2.5	1.9	.4	.0	.1					7.4	10.4
SW	.0	1.0	2.0	.0	.4	.1						3.2	8.0
WSW	.0	1.0	1.0	.0	.1							1.0	7.4
W	.0	1.0	2.6	2.0	.4	.1						7.6	10.1
WNW	.1	2.0	3.0	2.5	.4	.1						6.8	4.0
NW	.0	2.0	4.6	2.3	.1							9.8	6.9
NNW	.0	2.0	4.1	4.2	.5							12.1	8.7
VARBL													
CALM												8.0	
	1.0	24.7	23.6	27.4	2.6	.7	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 130

U.S. AIR FORCE
TAC
TACTICAL SERVICE / PAC

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

SURFACE WINDS

STATION 401 STATION NAME LINGNAH WOODMAN YEARS 1961-1962
CLAS 10-1-17
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	3.0	1.0	1.0	.1							1.0	7.0
NNE	1.0	3.0	.7	.2								.7	5.0
NE	1.1	1.0	.4									.4	4.0
ENE	.0	1.0	.2									.2	4.0
E	.0	1.0	.2									.2	4.0
ESE	.0	.0										.0	3.0
SE	.0	1.0	.4	.4								.4	6.0
SSE	.0	1.0	.4									.4	6.0
S	.0	2.0	3.0	2.0	.1	.1						3.0	6.0
SSW	.0	1.0	2.0	1.0	.1							2.0	6.0
SW	.0	.0	1.4	.6	.5							.5	7.0
WSW	.0	1.0	2.0	.6	.1							.1	7.0
W	.0	2.0	4.0	1.4	.5							.5	6.0
WNW	.0	2.0	3.0	2.0	.4							.4	6.0
NW	.0	2.0	3.0	1.0	.1							.1	6.0
NNW	1.1	3.0	2.0	2.0	.4	.1						1.0	6.0
VARBL													
CALM												7.0	
	11.0	31.1	31.6	17.5	2.2	.2						10.0	7.1

TOTAL NUMBER OF OBSERVATIONS 67

SURFACE WINDS

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

STATION 457 STATION NAME ELEANOR WOOD MO CLASS 73-F1 YEARS 1957-1961 MONTHS (L.S.P.) 12-12

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	4.9	2.1	.6								11.8	3.7
NNE	1.2	.9	.4	.1								2.6	4.1
NE	2.2	.9	.1	.1								3.3	3.3
ENE	1.5	1.5	.6									3.7	4.1
E	1.4	.7	.2									2.4	3.7
ESE	2.1	.7	.1	.1								2.9	3.7
SE	.4	1.1	1.2	.1								2.9	4.1
SSE	1.4	1.4	1.1	1.2	.1							5.1	6.7
S	1.5	4.2	5.7	1.6	.2							13.1	7.7
SSW	.7	1.7	1.7	.6								4.6	6.7
SW	.6	1.7	.5	.1								2.9	3.3
WSW	.5	2.4	.5		.1	.1	.1					4.1	6.7
W	1.7	3.2	2.5	1.2	.1	.1						5.2	7.3
WNW	1.3	2.1	1.4	.4	.1							3.3	6.7
NW	1.7	2.1	2.6	.2		.4						6.3	7.7
NNW	1.7	2.5	1.7	.6	.1							6.4	6.7
VARBL													
CALM												15.4	
	1.3	31.2	23.5	6.9	.9	.6	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 57

U.S. CLIMATE BUREAU
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 457 STATION NAME PT LEONARD WOOD NC YEARS 77-81 MONTH JAN
 ALL WEATHER CLASS 21 00-7 00
 CONDITION HOUR (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	0.7	2.4	2.1	1.6								11.4	8.1
NNE	0.7	0.5	0.6									1.3	4.6
NE	1.1	0.7	0.7									2.5	5.0
ENE	1.1	1.1	0.3									2.5	5.0
E	1.0	1.3	0.3									2.6	5.0
ESE	0.7	0.7	0.5	0.2								1.9	5.0
SE	0.7	1.4	0.7									2.8	4.0
SSE	1.2	3.3	2.4	0.8	0.2							7.9	7.0
S	1.2	3.6	4.3	2.3								12.6	6.0
SSW	0.7	1.1	3.7	0.7	0.3							6.1	6.0
SW	0.7	1.2	1.7	0.3								3.9	6.0
WSW	0.7	2.2	1.6	0.5		0.2	0.2					3.6	7.0
W	0.7	3.7	2.3	1.1								7.8	7.0
WNW	0.7	1.7	2.4	0.9	0.2							7.3	7.0
NW	0.7	1.7	1.7	0.4	0.3	0.2						3.3	7.0
NNW	0.7	1.6	1.7	0.2	0.2							4.4	6.0
VARBL													
CALM												16.0	
	10.0	29.1	27.2	10.3	1.1	0.3	0.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 601

SURFACE WINDS

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

STATION	STATION NAME	YEARS	DATE
	ALL WEATHER		MONTH
	CLASS		ALL
	CONDITION		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.6	3.7	1.3	.1	.0						10.7	5.0
NNE	1.0	1.7	.9	.1								3.8	3.1
NE	1.1	1.4	.6	.0								3.1	4.0
ENE	.6	1.0	.5	.0								2.7	4.0
E	1.0	1.0	.8									2.4	4.1
ESE	.6	.7	.3	.1								1.7	5.0
SE	.6	1.3	.9	.3	.0							3.1	5.4
SSE	1.1	2.4	2.0	.6	.0							6.0	6.7
S	1.1	3.2	4.3	2.4	.2	.0						11.2	6.7
SSW	.5	1.3	2.1	1.2	.1	.1	.0					5.3	6.7
SW	.4	1.2	1.3	.6	.1	.0						4.6	7.0
WSW	.7	1.0	1.6	.7	.1	.1	.0					3.2	7.5
W	1.0	2.3	2.9	1.6	.3	.1						6.1	6.0
WNW	.7	2.1	3.0	1.3	.2	.0						7.3	6.0
NW	.5	2.4	2.9	1.5	.2	.1						7.5	5.0
NNW	.3	2.7	2.7	1.8	.3	.0						6.3	6.0
VARBL													
CALM												11.2	
	14.0	50.0	29.1	13.4	1.7	.5	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 1-1 TAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

457 71 LEONARD WOOD MO 73.75
 STATION STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION
 MONTH
 0000-1200
 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	2.4	3.6	6.6	2.4								15.0	7.4
NNE	0.0	2.4										3.0	3.4
NE	1.2	1.2										2.4	4.0
ENE	2.4											2.4	2.4
E		3.6										3.6	4.0
ESE		1.2										1.2	4.0
SE	1.2	2.4	2.4	1.2								7.2	6.0
SSE	0.0	2.4	4.8	2.4								12.0	5.0
S	0.0	1.2	2.4									4.8	6.0
SSW		1.2										1.2	6.0
SW	1.2	1.2										2.4	3.0
WSW	1.2	1.2	3.6	0.6								6.6	6.0
W	1.2	4.8	4.2	1.2								11.4	7.0
WNW	0.0	0.0	0.6	0.6								2.4	7.0
NW			4.8	4.2								9.0	10.0
NNW			3.6									3.6	9.0
VARBL													
CALM												11.4	
	16.0	23.1	32.9	13.8								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 167

SURFACE WINDS

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

STATION	STATION NAME	YEARS	GROSS
ALL PLATES			
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	1.1									13.0	4.0
NNE	1.0	2.0	0.0									4.0	4.0
NE	0.0	2.0	0.0	0.0								3.0	6.0
ENE	1.0	1.0										1.0	2.0
E		0.0										0.0	4.0
ESE	1.0	1.0										2.0	3.0
SE	1.0	2.0	3.0	0.0								7.0	6.0
SSE		3.0	1.1	2.0								13.0	8.0
S	0.0	2.0	1.0	1.0								6.0	7.0
SSW	1.0	0.0		1.0								3.0	3.0
SW		1.0	1.0									0.0	6.0
WSW	0.0	2.0	1.0									3.1	4.0
W	0.0	2.0	1.0	2.0								5.0	6.0
WNW	1.0	2.0	1.0	1.0								7.1	7.0
NW		1.0	4.0	2.0								7.1	9.0
NNW	0.0	2.0	3.0	0.0								5.0	7.0
VARBL													
CALM												0.0	
	14.0	33.3	31.8	11.6								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

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

45 FT LIONARD ROOMS 77-21

STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

NOV 1956

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	4.0	.7	.4							.3	7.0
NNE	1.0	1.0	.7									.3	4.0
NE	.0	1.0	.8									.1	3.0
ENE	.0	.7	.8									.3	5.0
E	.0	1.0	.4									.2	4.0
ESE	.0	.5	.1									.1	4.0
SE	.0	1.0	1.4	.4								.4	5.0
SSE	1.0	5.0	4.0	1.4								1.0	6.0
S	.0	4.0	4.5	1.4								12.0	6.0
SSW	.4	1.0	1.1	1.6								4.4	6.0
SW	.4	1.0	.7	1.0		.1						3.1	6.0
WSW	1.1	1.0	1.5	.1								4.5	5.7
W	.7	1.0	1.1	.8								4.4	6.0
WNW	1.4	2.0	2.6	.4	.1							6.0	1.7
NW	.0	1.1	2.0	1.0	.4							6.0	4.0
NNW	.0	2.0	3.1	2.2	.1	.1						7.9	9.0
VARBL													
CALM												13.5	
	17.0	31.1	24.3	11.9	1.1	.7						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 734

SURFACE WINDS

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

STATION 77-1 STATION NAME ALL WEATHER YEARS 1977-1978 MONTH 1-12
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400
 CONDITION ALL WEATHER

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	2.7	1.7	1.7	.3							1.7	6.4
NNE		1.3	.2	.4								1.3	6.2
NE	1.4	.7	.7									1.7	4.4
ENE	1.7	.4	.4	.1								1.3	4.1
E	1.4	1.7	.5	.3								3.3	5.4
ESE	.7		.4									.7	4.2
SE	1.7	1.3	1.7	.1								4.1	5.3
SSE	.3	3.2	4.5	1.4								9.1	7.7
S	1.2	2.7	3.9	2.8	.1							10.9	6.4
SSW	.3	1.3	1.7	2.2	.2	.1						6.7	10.4
SW	.4	1.2	2.1	1.3	.1	.3						4.7	7.1
WSW	.3	1.7	2.2	.3	.3							4.3	7.1
W	.4	1.3	1.6	1.2	.4							4.3	6.3
WNW	.1	1.7	2.3	1.4								3.4	9.3
NW	.7	1.4	4.1	2.2	.5							5.9	7.6
NNW	1.3	2.4	4.3	2.4	.1	.1						10.4	6.7
VARBL													
CALM												7.1	
	13.2	24.7	34.4	17.2	3.3	.5						10.3	7.6

TOTAL NUMBER OF OBSERVATIONS 767

1

USAFETAC FORM 0-8-5 (OL-A)
JUL 64
METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

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

1451	STATION NAME	71-81	YEARS	81
STATION	STATION NAME	ALL WEATHER	CLAS	BOTH
		CONDITION		10-14
				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	.1	.1	.1								.4	.1
NNE	.1	.1	.1	.1								.4	.1
NE	.1	.1	.1	.1								.4	.1
ENE	.1	.1	.1	.1								.4	.1
E	.1	.1	.1	.1								.4	.1
ESE	.1	.1	.1	.1								.4	.1
SE	.1	.1	.1	.1								.4	.1
SSE	.1	.1	.1	.1								.4	.1
S	.1	.1	.1	.1	.1	.1						.4	.1
SSW	.1	.1	.1	.1	.1	.1						.4	.1
SW	.1	.1	.1	.1	.1	.1						.4	.1
WSW	.1	.1	.1	.1	.1	.1						.4	.1
W	.1	.1	.1	.1	.1	.1						.4	.1
WNW	.1	.1	.1	.1	.1	.1						.4	.1
NW	.1	.1	.1	.1	.1	.1						.4	.1
NNW	.1	.1	.1	.1	.1	.1						.4	.1
VARBL													
CALM													
	11.1	22.1	33.1	44.3	55.2	66.1						17.1	.1

TOTAL NUMBER OF OBSERVATIONS 711

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L.S.T.)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	5.5	1.5	.1							10.0	4.0
NNE	1.7	2.7	1.2	.3								4.0	4.0
NE	1.7	1.5	.7									2.4	4.1
ENE	.1	.1	.3	.5								2.4	5.7
E	.1	1.1	.4	.1								2.4	4.0
ESE	.1	.5	.3	.1								1.2	5.7
SE	.1	1.5	.7	.5								2.2	5.7
SSE	.4	.1	2.2	.5	.3							5.0	5.4
S	.1	2.1	4.4	2.5	.3	.1						5.0	4.0
SSW	.7	2.0	1.1	2.5	.7	.3						7.9	11.7
SW	.1	.1	1.5	2.5	.1	.3						5.4	11.0
WSW	.7	1.2	3.2	1.7	.7	.3						7.9	9.0
W	.3	1.5	2.1	2.0	.5							5.7	9.0
WNW	.0	1.3	3.0	1.3	.3							7.4	9.0
NW	1.1	1.0	2.3	2.0	.1							7.5	8.6
NNW	1.2	1.0	4.6	1.8	.4							5.5	5.9
VARBL													
CALM												5.3	
	11.1	22.2	35.4	2.9	3.4	.7						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 757

U.S. AIR FORCE
 1. CLIMATE DATA
 2. SERVICE AREA

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	7.0	1.0								1.0	7.1
NNE	1.0	1.0	.7	.5								.5	.5
NE	.5	1.0	.1	.5								.5	.5
ENE	1.2	1.3	.3	.1								.1	.1
E	.7	.1	.1									.1	.1
ESE		.5	.1									.1	.1
SE	.5	1.1	.5	.1								.5	.5
SSE	1.0	.5	1.1	1.1	.1							.1	.1
S	3.7	4.2	5.1	3.0	.7	.1						1.0	7.1
SSW	1.1	2.0	1.0	.5	.4							.5	.5
SW	.5	.5	.4	.3								.5	.5
WSW	1.7	1.1	1.1	.3	.3							.3	.3
W	1.0	1.0	1.0	.7	.1							.7	.7
WNW	.5	1.0	.5	.4								.4	.4
NW	.5	1.0	3.2	.5								.5	.5
NNW	.5	2.4	2.3	1.0	.3							.3	.3
VARBL													
CALM													
	17.7	22.1	44.7	11.7	1.0	.1						1.0	6.7

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION LEONARD AFB TX YEARS 77-81 MONTH ALL

STATION NAME LEONARD AFB TX CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 1700-1800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.1	1.0								11.0	7.1
NNE	1.0	1.0	1.0	1.0								10.0	4.0
NE	1.0	1.0	1.0	1.0								10.0	6.0
ENE	1.0	1.0	1.0	1.0								10.0	4.0
E	1.0	1.0	1.0	1.0								10.0	4.0
ESE	1.0	1.0	1.0	1.0								10.0	4.0
SE	1.0	1.0	1.0	1.0								10.0	4.0
SSE	1.0	1.0	1.0	1.0								10.0	6.0
S	1.0	1.0	1.0	1.0	1.0							10.0	6.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	6.0
SW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	6.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	6.0
W	1.0	1.0	1.0	1.0	1.0	1.0						10.0	6.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	6.0
NW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	6.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0						10.0	6.0
VARBL												17.1	
CALM													
	14.5	13.3	11.3	12.0	1.0							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 171

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		
	CLASS		
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	4.1	1.6	.7							1.2	3.7
NNE	1.0	1.0	.7	.7								1.0	3.4
NE	1.0	1.0	.5	.6								1.0	3.0
ENE	.7	.7	.4	.7								1.0	2.4
E	.7	1.0	.7	.1								1.0	3.0
ESE	.7	.7	.7	.7								1.0	4.0
SE	.7	1.0	1.0	.3								1.0	2.0
SSE	1.1	.7	.1	1.7	.1							1.0	.7
S	1.1	.7	.7	.7	.7	.1						1.0	.1
SSW	.7	1.0	1.7	.7	.7	.1						1.0	.7
SW	.7	1.1	1.1	1.1	.7	.7						4.0	7.0
WSW	1.0	1.0	1.0	.7	.7	.1						1.0	7.0
W	.7	1.0	1.0	1.4	.7	.7						1.0	1.7
WNW	.7	1.0	.7	1.0	.1							1.0	1.1
NW	.7	1.0	.1	1.0	.7	.7						1.0	1.1
NNW	.7	.7	.7	.7	.7	.7						1.0	1.7
VARBL													
CALM													
	1.0	7.0	24.5	16.3	2.7	.5						1.0	5.0

TOTAL NUMBER OF OBSERVATIONS 477

SURFACE WINDS

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

STATION 407 LEWIS AND CLARK STATION NAME LEWIS AND CLARK YEARS 77, 78 MONTH NOV
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0000-2300
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	1.1	4.8	1.6								1.2	7.0
NNE			0.1									0.5	0.0
NE	1.0	0.1										0.2	0.0
ENE	1.0	1.1	1.1									4.3	0.0
E	0.1	0.1	1.1	0.5								4.3	0.0
ESE		4.0	1.1	0.5								5.6	0.0
SE	1.1	0.1	0.1	1.0	0.5							7.1	0.0
SSE		4.0	0.1	1.0								1.0	7.0
S	1.0	0.1	0.1	1.1								0.5	0.0
SSW	0.1	4.0		0.5	0.5							0.5	0.0
SW		0.1	1.1									1.6	0.0
WSW		1.0	0.5	1.0								3.0	0.0
W	1.0	1.1	0.1	0.5								0.4	0.0
WNW	1.1	0.1	0.1	0.5	0.5							4.0	0.0
NW		0.1	1.0	0.5								3.0	0.0
NNW	1.1	0.1	0.1	0.1	0.5							0.7	10.0
VARBL													
CALM												1.6	
	1.0	3.7	1.1	1.5	2.0							10.0	0.7

TOTAL NUMBER OF OBSERVATIONS 136

CLIMATOLOGY BRANCH

TAC

STATION NAME

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

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
41	FT L OGDON ACOD 15	73-75	
ALL WEATHER			
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	3.7	1.9								8.6	7.6
NNE	.5	1.0	1.4									3.7	6.0
NE	.5	1.4	.5									2.0	4.0
ENE	1.4	2.0										4.2	4.0
E	1.4	2.3		.5								4.2	5.0
ESE	1.4	2.0	.5	.5								6.0	5.0
SE	1.4	2.0	3.2	1.4								6.6	7.0
SSE	1.4	4.2	4.2	.5	.5							15.6	6.7
S	.5	3.7	3.7	.5								7.3	6.7
SSW		.5	2.3	.5	.5							4.2	5.7
SW		.5		.5								1.4	7.0
WSW		1.4		.5								1.7	7.3
W		1.4	1.4	.5	.5	.5						4.6	5.6
WNW	1.4	1.0		.5	.5							4.2	7.0
NW	.5	.5	.5	1.4								3.7	6.3
NNW	.5	.5	3.2	3.2	.5							7.3	10.5
VARBL													
CALM												13.4	
	13.4	32.4	25.5	12.0	2.8	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

216

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

CONDITION

TOTAL NUMBER OF OBSERVATIONS 704

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

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

SURFACE WINDS

STATION 1457 STATION NAME F. LEONARD WOOD MC YEARS 73-81
 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 - 53	≥ 54	%	MEAN WIND SPEED
N	1.1	1.4	7.4	1.1									
NNE	1.1	1.2	1.3	.2									
NE	.7	2.1	.8										
ENE	.5	1.3	1.2	.1									
E	1.1	1.7	1.1	.1									
ESE	.5	.7	1.0	.1									
SE	.5	2.3	2.2	1.2	.1								
SSE	.2	1.3	3.6	2.4	.2								
S	.6	1.2	4.5	5.3	1.5								
SSW	.4	.4	1.0	4.9	.5	.5							
SW	.1	.5	1.1	3.2	.3	.4	.1						
WSW	.7	1.1	1.7	1.1	.6	.7							
W	.8	1.1	1.0	2.2	1.2	.1							
WNW	.1	1.0	1.9	1.2	.1								
NW	.1	1.3	2.5	2.3	.2								
NNW	.7	1.6	3.1	2.5	.1								
VARBL													
CALM													
	5.3	20.7	31.6	27.9	4.9	1.2	.1						

TOTAL NUMBER OF OBSERVATIONS

10-11-1964

STATION: SERVICIA

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

SURFACE WINDS

STATION: ST. LEONARD WOOD YEARS: 73-81 MONTH: 4

CLASS: ALL WEATHER

CONDITION: 12.0-14.0

NOVEMBER (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		2.9	3.9	1.7								6.2	7.9
NNE		1.2	1.2	.6								3.2	6.2
NE		1.4	.9	.2								4.4	4.6
ENE	1.4	1.2	.7	.1								3.5	4.9
E		1.2	1.2	.4								3.2	6.8
ESE		.7	.2	.2								1.2	7.2
SE		1.4	1.4	1.1								4.8	7.2
SSE		1.1	2.4	2.4	.6							6.2	10.4
S		.7	2.5	2.5	1.0	.2						10.6	12.7
SSW		.1	1.1	1.0	1.7	.5						8.6	14.2
SW		.4	.7	1.3	3.1	1.2	.6					7.2	13.2
WSW		.2	.7	1.6	1.7	.7	.2					5.1	11.7
W		.4	.4	1.9	2.5	1.1	.1					6.8	12.4
WWW			.2	1.2	.1	.2						4.2	10.7
NW		1.2	3.1	1.3	.4							9.0	10.1
NNW		1.4	2.5	1.5	.2							3.8	10.7
VARIABLE													
CALM												4.4	
	17.2	7.2	32.9	6.9	1.8	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 176

CLIMATE DIVISION
 AFMPC
 WEATHER SERVICE/440

SURFACE WINDS

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

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTH MAY
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.1	4.3	1.8	.1							10.3	3.1
NNE	.6	1.4	1.1	.1	.1							3.3	2.6
NE	.5	2.7	.5									3.8	3.7
ENE	.7	1.1	.2									2.0	4.4
E	.1	1.8	1.1	.4								3.7	6.1
ESE	.5	1.4	.8	.4								3.1	6.7
SE	.1	1.0	1.2	1.0								3.2	6.4
SSE	.1	1.2	2.6	1.6	.1							5.6	9.1
S	.7	1.3	3.6	6.1	1.9							13.5	11.8
SSW	.4	.5	1.7	3.3	1.4	.2						7.5	13.1
SW	.1	.7	1.1	1.7	1.3	.1						5.1	12.6
WSW		1.2	1.1	1.2	.6	.1						4.2	10.7
W	.7	1.5	2.3	2.3	.4	.1						7.3	9.6
WNW	.1	1.1	3.0	1.0	1.1	.1	.1					6.6	10.9
NW	.1	.2	2.6	1.8	.5	.1						6.0	10.7
NNW		1.4	4.7	4.1	.1	.1						10.9	10.5
VARBL													
CALM												4.1	
	.6	22.0	32.1	26.5	7.6	1.0	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 537

ATMOSPHERIC SCIENCE
 150
 NATIONAL SERVICE 140

SURFACE WINDS

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

STATION 14451 STATION NAME LEONARD WOOD MO YEARS 73-81 MONTH NORTH
 ALL WEATHER CLASS 1800-1800 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	0.3	3.7	0.0	1.3								11.1	6.0
NNE	1.4	2.3	.7									4.4	4.0
NE	.6	1.1	.4									2.7	4.0
ENE	1.9	1.7	.1	.1								3.0	3.0
E	.6	1.2	.6	.6								3.0	6.0
ESE	.5	.7	.3	.4								2.4	7.0
SE	.0	2.9	1.3	.8								5.0	6.7
SSE	.0	3.1	2.7	1.9								7.3	6.0
S	1.0	3.1	4.5	3.9	.4							13.0	8.0
SSW	.5	.3	2.2	2.2	.5							5.1	7.0
SW	.7	.5	1.1	1.0	.4							3.6	7.4
WSW	.8	.5	.6	.4		.1	.1					2.5	6.1
W	1.1	1.1	1.4	.5	.1	.2						4.4	7.0
WNW	.5	1.0	1.7	1.0	.5	.1						4.7	9.0
NW	.7	1.5	.7	1.3	.1							4.7	7.6
NNW	1.3	2.9	1.5	2.3	.1	.1						8.5	8.1
VARBL													
CALM												12.2	
	15.3	7.9	24.3	17.6	2.0	.6	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 236

U.S. AIR FORCE
 AIRCRAFT SERVICE/MAC

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

SURFACE WINDS

STATION 467 STATION NAME 10 LEONARD AFB MD YEARS 73-81 MONTH MAY
 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	1.0	2.0	2.4	1.8								7.3	6.7
NNE	1.0	1.0	1.1									3.3	5.0
NE	.0	1.0	.4									2.0	4.0
ENE	.0	1.0	.7									2.3	4.0
E	1.1	2.0	1.7	.4								3.3	6.0
ESE	.0	1.4	1.0	.3								3.0	5.0
SE	1.0	2.4	1.7	.6								5.4	6.7
SSE	1.1	1.4	3.3	1.9	.1							7.3	8.0
S	1.3	3.6	5.3	4.4	.4							17.3	9.1
SSW	.4	2.0	2.4	1.4	.3	.4						7.3	9.4
SW	.1	1.1	1.1	.3		.1						2.0	7.0
WSW	1.4	.0	.7	.6	.1							3.7	6.7
W	.0	2.1	.3	.9								3.5	6.0
WNW	.0	1.3	1.0	1.2								3.0	6.0
NW	.0	.6	.9	1.4	.4							3.5	10.0
NNW	1.0	1.1	2.7	.9								5.7	7.4
VARBL													
CALM												15.0	
	15.0	25.5	26.3	15.2	1.4	.6						10.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7

SURFACE WINDS

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

STATION 44 STATION NAME FT. LONARDO AFB YEARS 77-81 MONTHS ALL

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	3.3	1.3	.1							8.5	7.1
NNE	.7	1.2	1.1	.2	.2							2.4	1.0
NE	.0	1.5	.6	.1								2.1	4.5
ENE	1.2	1.5	.6	.1								2.4	4.0
E	.7	1.0	1.3	.3								3.7	5.1
ESE	.0	1.2	.9	.3								2.7	5.3
SE	.7	2.3	1.9	1.0	.3							5.5	7.3
SSE	.0	2.3	3.3	1.9	.2							6.1	6.5
S	.0	2.2	4.5	4.5	.7	.0						12.4	10.5
SSW	.3	1.7	1.5	2.9	.9	.0						6.0	11.7
SW	.2	.0	1.1	1.5	.6	.2	.0					4.5	11.0
WSW	.5	1.7	1.1	.8	.3	.1	.0					3.5	8.7
W	.7	1.4	1.5	1.6	.6	.1	.0					5.9	9.2
WNW	.2	1.2	2.1	1.2	.2	.1	.0					4.2	7.4
NW	.4	1.2	2.2	1.7	.3	.1						5.7	7.4
NNW	.5	1.7	2.9	2.7	.2	.0						6.1	9.7
VARBL													
CALM												8.0	
	12.7	24.5	22.2	21.9	4.2	.2	.1					124.2	8.8

TOTAL NUMBER OF OBSERVATIONS 124

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMTCAC
 WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION 457 STATION NAME FT LYONARD 4000' ALT 73,75 YEARS
 CLASS ALL WEATHER
 CONDITION

APR 1950 - JUL 1950
 MONTHS (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	.5	.7	2.8	.6								4.5	3.1
NNE	.6	1.1										1.7	4.3
NE	.2											.5	5.6
ENE	1.1											1.1	3.6
E	1.7	3.3	1.1									5.1	5.0
ESE	1.1	1.1	1.1									3.3	4.7
SE	.5	3.3	2.8	.6								7.5	5.4
SSE		2.7	5.6	1.7								10.0	7.1
S	1.1		3.3	5.1								15.6	5.7
SSW	1.1	1.7	1.1	1.7								5.6	7.5
SW	.5	.7	3.3	.6								5.6	7.5
WSW		.5	1.1	.6								2.2	9.0
W		1.1	.7	1.7								3.3	8.4
WNW			2.2									2.2	8.4
NW	1.1			2.2	1.1							4.4	11.0
NNW		1.7	3.3	.6	1.1							5.7	9.0
VARBL													
CALM												15.2	
	11.7	10.3	33.3	16.1	2.2							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 111

STATION NAME
 DATE OF OBSERVATION

SURFACE WINDS

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

STATION NAME ST. LIONARD #002 NO YEARS 72-80 MONTH 12
 CLASS ALL WEATHER HOURS (L.S.T.) 1300-0000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	1.3	1.3								4.4	.7
NNE		.4	.4									.7	.0
NE	.4	1.7	.4	.4								3.1	1.0
ENE	.4	1.7										1.5	4.3
E	1.7	2.7										4.4	4.5
ESE		3.1	2.7									5.8	6.3
SE	1.3	.7	2.2	1.8								5.2	5.7
SSE	.9	4.4	5.3									10.6	6.7
S	1.3	2.2	6.2	3.5	.4							15.7	7.7
SSW		.4	1.3	.9	.9							3.5	11.4
SW	.7	1.7	1.7	.4	.4							4.4	7.0
WSW	1.3	1.7	1.9	.9								5.2	5.7
W	.4	1.7	1.8		.4							4.4	7.4
WNW	.7	.4	1.3	1.3								4.0	8.0
NW	.4	.4	1.8	.9	.4							4.0	6.4
NNW	.7	1.3	1.3	.9	.9							5.3	9.0
VARBL													
CALM												18.6	
	11.5	24.3	29.2	12.4	3.5							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 225

U.S. AIR FORCE
CLIMATE BRANCH
ATTC
647 AF SERVICE/MAC

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

SURFACE WINDS

STATION 1407 STATION NAME FT. LONAS 4000 MD YEARS 77-81 MONTH APR 1977-1978 HOURS (LST) 0000-2359

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	2.4	2.4	.8	.1							1.7	7.1
NNE	.7	.7	.4									1.7	1.7
NE	1.7	.7	.4	.1								2.7	2.7
ENE	.7	7.1	.7									2.7	7.1
E	1.7	2.4	1.2									4.8	1.7
ESE	.7	2.4	1.7	.3								4.8	1.7
SE	.7	1.7	1.7	.3								4.8	1.7
SSE	1.7	7.2	7.7	7.1								17.7	7.1
S	1.7	4.7	5.7	2.4	.1							17.7	7.1
SSW	.7	.7	7.1	1.4	.3							17.7	7.1
SW	.7	1.7	1.7	1.7	.1							4.8	1.7
WSW	.7	7.1	7.1	1.7								2.7	7.1
W	1.7	1.7	7.3	1.7								6.8	7.1
WNW	.7	.7	1.7	1.7	.4							4.8	1.7
NW	.7	.7	1.4	1.7	.7	.1						3.8	1.7
NNW	.4	.7	1.7	.6	.7							6.1	7.1
VARBL													
CALM												1.7	
	11.7	21.7	32.4	14.5	1.7	.1						17.7	7.1

TOTAL NUMBER OF OBSERVATIONS 17

SURFACE WINDS

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

STATION 1000 STATION NAME 1000 YEARS 1000 MONTH 1000
 CLASS 1000 HOURS (L.S.T.) 1000
 CONDITION 1000

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	4.7	1.2								7.2	1.4
NNE	1.1	.1	1.4	.1								2.7	1.1
NE	.1	1.1	.1	.1								2.4	1.1
ENE	.1	1.1	.1									2.3	1.1
E	.1	2.2	2.3	.1								4.7	1.1
ESE	.1	1.1	1.1	.1								3.4	1.1
SE	.1	1.1	2.5	.1								4.7	1.1
SSE	.1	2.7	3.5	1.7	.1							8.7	1.1
S	.1	1.1	4.1	4.2	.8	.1						10.7	1.1
SSW	.1	.1	2.2	3.6	1.1							7.1	1.1
SW	.1	2.1	1.7	2.7	.2							6.8	1.1
WSW	.1	1.1	2.1	2.3	1.1	.1						7.6	1.1
W	.1	.1	2.1	3.6	.4	.1						6.3	1.1
WNW		.1	2.1	4.5	.4	.1						7.7	1.1
NW		.4	1.9	2.5	.1							4.9	1.1
NNW		.1	2.1	2.3	.1	.1						4.7	1.1
VARBL													
CALM													
	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7

TOTAL NUMBER OF OBSERVATIONS 1000

ALCANTARA, J. R.

1970-1971

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

SURFACE WINDS

407	ALL WEATHER	70-71	1970-1971
STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		12-1-1
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	3.4	1.1	.1							6.7	3.1
NNE	.1	.1	1.1	1.1								2.4	1.0
NE	.1	1.1	1.1	.2								2.4	1.0
ENE	.1	2.2	1.1									3.4	1.0
E	.7	3.4	1.1									4.2	1.0
ESE	.1	1.2	.7									2.4	1.0
SE	.1	1.1	1.7	.7		.1						3.4	1.0
SSE	.1	.1	2.1	1.6	.2	.1						3.1	1.0
S	.1	1.1	4.2	5.6	1.4	.1						12.4	1.1
SSW	.1	1.1	2.2	0.1	1.6	.1						7.4	1.1
SW	.1	1.1	2.1	4.2	.2	.2						7.4	1.1
WSW	.1	.1	2.6	2.6	.2	.2						7.2	1.1
W	.1	1.1	1.7	2.6	1.2	.1						7.2	1.1
WNW	.1	.1	1.2	4.2	.5	.1						6.4	1.1
NW	.1	.1	2.6	7.3	.4							7.2	1.1
NNW	.1	1.1	2.6	2.6	.5							7.7	1.1
VARBL													
CALM												1.0	
	.1	17.2	22.1	34.1	7.2	1.2						2.2	1.0

TOTAL NUMBER OF OBSERVATIONS 1

SURFACE WINDS

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

STATION 4000 STATION NAME ALL WEATHER YEARS 74-81 MONTH 15.0-17.0
 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	1.5	4.5	1.5								7.5	5.5
NNE	.5	.7	1.5	.4								3.1	7.7
NE	.5	1.5	1.5	.1								3.5	.8
ENE	.5	.7	.5									2.5	6.1
E	1.5	2.3	1.1	.1								3.1	5.1
ESE	.5	.9	1.5									3.5	5.3
SE	.4	1.5	1.4	.6								4.5	6.5
SSE	.1	1.5	2.7	2.7	.1							6.5	6.7
S	.4	1.1	4.7	5.1	1.7							13.5	11.5
SSW	.1	.7	3.6	4.1	1.5							13.1	12.1
SW	.5	.5	3.5	2.5	.1		.1					6.5	10.3
WSW	.1	.4	1.5	2.1	.4	.4						4.5	12.5
W	.1	1.1	2.3	1.1	.4	.2						7.5	11.4
WNW	.1	1.5	2.3	2.2	1.5	.1						7.5	11.5
NW	.1	.7	2.1	2.7								5.7	15.7
NNW		.5	2.5	3.2	.1							7.5	16.2
VARBL													
CALM												3.3	
	.5	1.4	14.6	31.4	5.4	.7	.1					17.5	6.5

TOTAL NUMBER OF OBSERVATIONS 11

U.S. CLIMATOLOGY BRANCH
TAC
STATION SERVICE/MAC

SURFACE WINDS

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

STATION 143 ST LEONARD WOOD NO YEARS 72-81 APP 1980
STATION NAME STATION SERVICE/MAC NORTH 1310-1000
ALL WEATHER CLAS
CONDITION HOURE (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	.2	3.1	3.2	.9								5.2	6.5
NNE	.2	1.6	.6	.1	.1							2.2	6.5
NE	1.1	1.1	1.6									3.7	6.5
ENE	1.2	1.3	.2	.1								2.5	4.7
E	2.6	1.7	1.2									4.7	4.7
ESE	.7	.5	.5									1.7	4.7
SE	.2	.2	1.2	.6								2.3	6.7
SSE	1.2	3.1	2.2	2.0	.2	.1						8.9	7.7
S	.7	4.7	4.6	5.1	1.2							19.3	9.4
SSW	.1	2.2	2.2	2.5	.1							7.5	9.4
SW	.5	1.2	1.7	.6	.1							4.2	7.7
WSW	.2	1.1	.4	.4								2.7	6.7
W	1.2	1.6	1.2	.6	.5	.2						5.7	6.5
WNW	.4	1.4	1.9	1.4	.4	.2						5.5	9.7
NW	.4	1.2	2.2	.6	.1							4.3	8.7
NNW	.7	2.2	1.7	.9	.1							5.4	7.4
VARBL													
CALM												12.1	
	13.3	24.2	26.6	15.7	3.3	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

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

STATION 457 STATION NAME FILLMORE ROOM YEARS 1951-1952

ALL DATA CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	2.7	.5								1.0	1.0
NNE	.7	.7	.5	.2								1.0	1.0
NE	.9	1.0	.3									1.0	1.0
ENE	.7	1.4	.3									1.0	1.0
E	1.7	2.4	2.7									1.0	1.0
ESE	.6	1.2	.2									1.0	1.0
SE	1.4	2.1	1.4	.3								1.0	1.0
SSE	.7	3.0	3.5	2.1								1.0	1.0
S	1.4	4.4	7.7	4.6	.2							1.0	1.0
SSW	.9	2.1	2.1	1.4	.2	.2						1.0	1.0
SW	.2	1.5	.8	.2								1.0	1.0
WSW	1.7	.5	.7		.3							1.0	1.0
W	.2	1.7	.5	1.1	.2							1.0	1.0
WNW	.7	.5	.6	.3	.5							1.0	1.0
NW	.7	1.1	.6	.5	.5	.2						1.0	1.0
NNW	.5	1.4	1.1	.2		.2						1.0	1.0
VARBL													
CALM												1.0	1.0
	14.4	26.2	26.1	11.1	2.3	.5						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

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

STATION NAME 4-100-14 YEARS 72-73 AP
 CLASS ALL WEATHER NORTH
 CONDITION ALL HOURS (L.S.T.)

SPEED KMTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.4	1.7	.0							6.9	7.7
NNE	.0	.0	.4	.8	.0							2.4	7.0
NE	.0	1.0	.0	.1								2.0	8.0
ENE	.0	1.0	.4	.0								2.0	8.0
E	.0	2.4	1.0	.0								3.0	8.0
ESE	.0	1.0	.0	.1								3.0	8.0
SE	.0	1.0	1.7	.9		.0						4.0	7.0
SSE	.0	.0	3.0	1.0	.1	.0						4.0	7.0
S	.0	2.0	3.2	4.7	1.0	.1						14.0	4.0
SSW	.0	1.0	2.0	2.0	.8	.0						7.0	10.0
SW	.0	1.0	1.0	1.0	.3	.0	.0					3.0	9.0
WSW	.0	.0	1.0	1.0	.4	.1						3.0	9.0
W	.0	1.0	1.7	1.0	.4	.1						5.0	9.0
WNW	.0	.0	1.0	2.4	.0	.1						3.0	11.0
NW	.0	.0	1.0	1.0	.3	.0						4.0	10.0
NNW	.0	1.0	2.1	1.0	.4	.0						3.0	9.0
VARBL													
CALM													
	1.7	23.0	51.3	22.6	4.1	.6	.0					100.0	

TOTAL NUMBER OF OBSERVATIONS 4,000

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

STATION	STATION NAME	YEARS	DATE
1457	LEONARD WOOD MC	21.75	
	ALL WEATHER		
	CLASS		
	CONDITION		

[illegible]

TOTAL NUMBER OF OBSERVATIONS 140

SURFACE WINDS

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

STATION

STATION NAME

YEARS

MAY

NORTH

ALL WEATHER

CLAS

300-0500

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	1.1	0.7									3.8	3.8
NNE	0.0	0.0	0.0									1.1	3.8
NE	0.0	1.1	0.0									1.4	4.4
ENE	0.0	0.7	0.0									1.4	3.8
E	0.0	1.1	0.0									4.1	3.8
ESE	1.0	1.0	0.0									3.5	4.8
SE	0.0	4.7	1.1									7.4	4.2
SSE	0.0	0.0	1.0									13.2	4.3
S	0.0	3.4	1.0	0.6								9.5	5.4
SSW	1.0	0.0	1.4	0.7								3.6	5.7
SW	0.0	2.2	1.7	0.6								9.5	6.4
WSW	0.0	0.0	0.6	0.6								3.0	5.6
W	0.0	2.2	1.7	0.3								6.0	5.8
WNW	0.0	1.1	0.3	0.3								2.9	5.8
NW	0.0	0.0	0.3		0.6							4.3	7.4
NNW	0.0	0.0	1.1									1.7	7.2
VARBL													
CALM												25.6	
	27.1	11.1	12.9	2.8	0.6							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

300

U.S. AIR FORCE
 1945
 AIR FORCE SERVICE 7-1

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

SURFACE WINDS

STATION 4457 STATION NAME ST. LEONARD WOOD NO. 73-01 YEARS MONTHS 4-1-1945
 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	2.0	.5	.2								2.8	3.3
NNE	.7	1.2	.7									2.7	3.3
NE	.1	.7	.4									1.6	4.4
ENE	.1	1.2	.6									2.8	5.1
E	1.6	2.5	.5	.2								3.1	5.1
ESE	1.7	2.1	.2									3.5	4.4
SE	1.2	3.2	1.1	.1								6.2	4.8
SSE	.4	7.1	2.6	.5								13.5	4.7
S	1.4	5.1	2.1	.7	.1							12.3	3.8
SSW	.7	1.2	2.1	.9	.1							5.5	5.0
SW	.2	1.5	2.2	.2								4.8	5.5
WSW	1.2	1.2	1.6	.2								4.1	5.7
W	1.5	2.9	1.4	.5								6.0	5.7
WNW	.5	1.1	.9	.4								2.9	6.4
NW	.5	.4	1.2		.2	.1						2.5	6.5
NNW	.7	1.5	1.3	.2								3.3	6.4
VARBL													
CALM												15.5	
	22.7	36.1	20.8	4.3	.5	.1						17.4	4.7

TOTAL NUMBER OF OBSERVATIONS 810

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/440

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

SURFACE WINDS

STATION 44037 STATION NAME FT LONARD WOOD MO YEARS 73-81 DAY 1507-110
 CLASS ALL WEATHER
 CONDITION HOUSE (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	.7	1.7	2.3	1.2								3.4	7.7
NNE	.7	2.2	1.2	.1								4.2	6.5
NE	1.1	2.3	1.2									4.5	6.7
ENE	1.1	2.5	1.1									4.7	6.3
E	1.2	3.4	1.1	.1								6.2	6.4
ESE	1.1	1.7	.5									3.7	6.4
SE	.6	2.2	.5	.2								3.5	6.1
SSE	1.4	3.1	2.2	1.0								7.7	6.5
S	1.3	3.7	4.9	2.8	.1							12.5	6.0
SSW	.4	1.3	4.1	2.9	.6							9.2	9.2
SW	.5	1.4	2.6	1.7	.5							6.7	9.2
WSW	.6	2.4	2.5	1.3								7.1	7.3
W	.7	1.9	1.9	1.2								5.9	7.4
WNW	.6	.5	1.9	1.0	.1							4.1	6.5
NW	.7	1.2	2.4	.6		.2						5.3	6.7
NNW	.5	.5	2.7	.8		.1						3.9	9.1
VARBL													
CALM												4.9	
	13.0	71.2	32.7	15.1	1.3	.4						103.5	7.0

TOTAL NUMBER OF OBSERVATIONS 875

SURFACE WINDS

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

STATION 487 STATION NAME LEONARD WOOD 40 YEARS 73-81 MONTH NOV
 CLASS ALL WEATHER MONTHS (L.S.T.) 1000-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.4	.4								5.1	7.1
NNE	.4	1.7	1.7	.1								4.1	5.4
NE	1.7	2.2	1.4									5.3	6.7
ENE	1.7	1.7	.4	.1								4.7	5.4
E	1.7	1.7	2.3									4.7	5.7
ESE	.4	1.7	1.5									4.3	4.4
SE	.4	1.4	.7	.1								4.6	5.6
SSE	.4	2.3	2.2	1.3								7.7	7.7
S	1.4	3.7	4.2	3.7	.1							12.5	8.7
SSW	.7	2.3	4.2	3.7	.7							12.4	8.7
SW	.7	1.3	3.4	1.6	.7							7.8	7.1
WSW	.4	1.4	1.1	1.7	.7							4.7	7.1
W	.4	1.2	2.4	2.2								6.3	7.1
WNW	.4	.4	1.4	.7	.1							3.5	5.1
NW	.4	1.7	2.5	1.7	.1	.2						6.6	6.7
NNW	.4	1.7	2.6	1.9	.1							6.7	7.7
VARBL													
CALM													
	11.0	28.7	33.0	16.2	2.2	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 675

U.S. AIR FORCE
 100
 100-100-100-100

SURFACE WINDS

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

STATION 40 STATION NAME ALL WEATHER YEARS 77-81 MONTH MAY
 CLASS 1700-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
VARBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
	1.0	30.0	35.1	14.9	1.9	.7	.0	.0	.0	.0	.0	100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 670

41. CLIMATOLOGY - WIND
 1110
 1. TOTAL SERVICE YEAR

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

SURFACE WINDS

STATION 1450 STATION NAME PT LEONARD WOOD MD YEARS 73-81

ALL WEATHER CLASS

CONDITION

DATE 1800-1900 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	1.0	4.4	1.7									5.1	4.7
NNE	1.0	1.4	.1									2.5	3.4
NE	2.5	1.6	.4									4.4	3.4
ENE	1.0	2.0	.2		.1							4.3	4.0
E	.7	1.0	.5									3.5	3.0
ESE	1.1	.5	.5									2.2	4.3
SE	2.5	1.1	.4	.1								3.6	4.0
SSE	2.5	2.6	1.7	1.4								8.3	6.2
S	2.6	6.5	4.2	1.7	.2							15.2	6.6
SSW	1.1	1.8	2.0	1.1	.2							6.2	7.5
SW	.2	.4	.5	.2								1.3	4.7
WSW	.4	1.3	.6	.1								2.4	5.6
W	1.0	1.6	1.3	.4								4.2	5.2
WNW	.6	.6	.2	.4								2.4	5.4
NW	.5	1.1	1.2	.4	.1							3.4	7.3
NNW	.6	1.1	1.0	.5								4.2	7.1
VARBL													
CALM												23.0	
	21.0	29.9	15.2	6.2	.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 634

U.S. AIR FORCE
 AFMTC
 WEATHER SERVICE/AFMTC

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

SURFACE WINDS

STATION 457 STATION NAME FLEWELLAND AFB YEARS 77-81 MONTH MAY
 CLASS ALL 1987-81
 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	.6									4.9	4.9
NNE	1.2											4.9	4.9
NE	.6	.6	.4									4.9	4.9
ENE	1.1	1.2	.6									4.9	4.9
E	.6	1.2	.6	.2								4.9	4.9
ESE	1.2	1.2	1.2	.2								4.9	4.9
SE	.6	1.2	.6	.2								4.9	4.9
SSE	1.2	4.2	1.2	.2								4.9	4.9
S	7.5	6.4	.6	1.3								4.9	4.9
SSW	1.7	1.2	1.2	.4	.2							4.9	4.9
SW	.6	1.2	.6	.2								4.9	4.9
WSW	.6	.6	.6									4.9	4.9
W	.6	.4										4.9	4.9
WNW	1.2	1.2	.6	.4								4.9	4.9
NW	.4	.6	.6	.4								4.9	4.9
NNW	.6	.6	.4									4.9	4.9
VARBL												4.9	4.9
CALM												4.9	4.9
	24.4	21.2	12.3	3.5	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

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

STATION 4 STATION NAME ALL - ATMO YEARS 77-81 MONTH ALL

CLAS ALL

CONDITION ALL

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	2.7	1.3	.3								.2	1.1
NNE	.7	1.0	.8	.1								.2	.1
NE	1.2	1.0	.7									.6	.4
ENE	1.0	1.0	.7	.5	.2							.7	.4
E	1.0	2.2	.8	.1								.3	.4
ESE	1.2	1.4	.6	.2								.1	.4
SE	1.0	2.2	.6	.2								.6	.4
SSE	.7	3.2	1.2	.9								.9	.7
S	2.1	4.2	4.2	2.1	.1							1.0	2.1
SSW	.1	1.0	3.0	1.6	.4	.1						.7	.1
SW	.1	1.4	2.1	.1	.2							.0	.2
WSW	.1	1.0	1.3	.7	.1							.4	.6
W	.1	1.2	1.6	.9	.1							.1	2.1
WNW	.1	.1	1.1	.5	.1							.1	2.4
NW	.1	1.1	1.6	.7	.2	.1						.1	1.6
NNW	.1	1.3	1.1	.3	.1	.1						.3	.1
VARBL													
CALM												24.3	
	1.1	30.3	25.1	16.0	1.1	.2						11.6	5.7

TOTAL NUMBER OF OBSERVATIONS 1007

CLIMATE DATA - HANCH
TAC
STATION NAME

SURFACE WINDS

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

STATION NAME: ALL WEATHER YEARS: 1975 MONTH: JUN
 CLASS: ALL WEATHER HOURS (L & 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													
NNE													
NE													
ENE			1.1									1.1	1.1
E		1.1	1.1									2.2	2.2
ESE	1.1	1.1	1.1									3.3	3.3
SE	1.1	1.1	1.1									3.3	3.3
SSE	1.1	1.1	1.1									3.3	3.3
S	1.1	1.1	1.1									3.3	3.3
SSW	1.1	1.1	1.1	1.1								4.4	4.4
SW	1.1	1.1	1.1	1.1								4.4	4.4
WSW		1.1	1.1									2.2	2.2
W			1.1									1.1	1.1
WNW			1.1									1.1	1.1
NW		1.1										1.1	1.1
NNW		1.1										1.1	1.1
VARBL													
CALM													
	1.1	1.1	1.1	1.1								4.4	4.4

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

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

STATION 4-27 STATION NAME LEWIS AND CLARK YEARS 70-73 01
 CLASS ALL WEATHER NORTH
 CONDITION NO OBS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.1	.3									1.6	2.7
NNE	.1	.1										.2	1.7
NE		.1										.1	1.0
ENE	.1	.1										1.2	2.1
E	2.1	.7										2.8	2.7
ESE	.1	.1	.3	.3								1.5	2.7
SE	1.2	2.0	.3									3.5	4.2
SSE	7.2	7.2	.3									15.0	3.7
S	.1	1.7	3.7	.3	.7							15.2	3.7
SSW	1.2	1.0	1.3	.3		.1						3.9	7.1
SW	1.1	2.1	3.7	.3								7.2	5.3
WSW	1.2	2.1		.3								3.6	3.0
W	1.2	2.1	1.2	.3								4.8	3.7
WNW	.1	.1	.3									1.5	3.7
NW	.7	.7	.3	.3								1.9	3.0
NNW													
VARBL													
CALM												75.1	
		19.1	11.2	4.2	.7	.7						11.0	2.7

TOTAL NUMBER OF OBSERVATIONS 33

HEADQUARTERS BRANCH
TAC
NATIONAL SERVICE/NAO

SURFACE WINDS

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

STATION 457 STATION NAME LEONARD WOOD MO YEARS 73-81 MONTH JUL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	1.4	.1								3.6	2.5
NNE	.1	1.0	.7									2.8	4.0
NE	.7	1.0	.7									3.1	4.3
ENE	.7	.1										.8	2.0
E	.1	.7	.7									1.5	2.7
ESE	.1	1.0										2.1	3.7
SE	1.0	1.0	.1	.1								2.4	3.0
SSE	3.7	3.6	1.6	.1								11.1	4.0
S	4.7	9.6	3.6	.9								18.9	5.8
SSW	1.0	2.0	3.7	1.9								7.6	7.0
SW	1.0	3.6	2.1	1.1								7.4	5.7
WSW	1.4	3.1	1.1	.6								6.2	5.9
W	1.7	2.0	1.4	.1								5.2	5.1
WNW	.1	1.0	.5	.3								1.7	5.7
NW	.9	.5	.9	.1								2.4	6.5
NNW	.1	1.4	.1	.1								1.7	4.5
VARBL													
CALM												15.0	
	28.0	27.2	17.9	5.5								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 101

RECEIVED BY AIR MAIL
JUL 1964
OFFICE OF THE SECRETARY OF THE ARMY

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

SURFACE WINDS

STATION 1401 STATION NAME LEONARD WOOD RD YEARS 77-81 MONTH JULY
CLASS ALL WEATHER HOURS (L.S.T.) 1964-11-1
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	2.0	1.1	.2								4.4	5.1
NNE	.1	1.4	.7									2.5	5.3
NE	1.1	1.4	.2									2.7	4.1
ENE	.7	1.2	.2									2.2	4.4
E	1.4	1.7	.5									3.1	4.3
ESE	.7	1.1	.2									2.2	4.7
SE	1.7	1.7	1.7	.1								3.7	5.7
SSE	1.1	3.0	1.9	.4								5.9	6.0
S	1.7	4.7	4.1	2.0								12.0	7.1
SSW	.7	3.3	3.9	2.3	.2	.1						12.8	6.1
SW	.7	3.1	3.2	3.7	.2	.1						17.7	6.4
WSW	.7	4.8	2.6	2.8								11.2	7.7
W	1.1	4.6	3.3	.7								10.3	7.6
WNW	.7	1.1	1.2	1.0								3.7	7.1
NW	.7	.7	1.5	.5								3.2	7.7
NNW	1.7	.7	1.2	.6								3.7	6.7
VARBL													
CALM												1.7	
	14.0	35.6	33.0	14.4	.5	.2						100.2	6.7

TOTAL NUMBER OF OBSERVATIONS 21

U.S. CLIMATOLOGY BRANCH
 14C
 15TH SERVICE/MSC

SURFACE WINDS

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

STATION 451 LEONARD WOOD AC 1961 1961
 STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	.5	.1							4.1	7.4
NNE	.0	2.1	.6									2.7	4.0
NE	.0	2.0	.5									2.5	3.9
ENE	1.0	.0	.2									1.2	3.0
E	1.2	1.0	1.0									3.2	4.7
ESE	.0	1.0	.7	.1								2.7	3.0
SE	.0	2.0	1.0									3.0	3.7
SSE	1.0	2.0	1.4	.1								4.6	4.0
S	1.1	5.0	5.0	2.1	.0							13.1	7.0
SSW	.0	2.1	4.7	4.3	.1							13.1	6.0
SW	.0	.0	2.2	4.3	2.2	.0						8.5	6.0
WSW	1.2	2.3	2.2	1.4								7.1	7.0
W	.0	3.3	2.1	1.2								6.6	6.0
WNW	.0	1.0	2.1	1.4	.1							4.6	6.0
NW	.0	1.0	1.1	.7								3.7	7.0
NNW	.0	1.0	1.7	.5								4.4	7.0
VARBL													
CALM												3.0	
	11.7	35.4	31.9	15.7	.7	.0						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 612

U.S. DEPARTMENT OF COMMERCE

NATIONAL SERVICE CENTER

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

SURFACE WINDS

40
STATION

ST. LEONARD 4004 MO
STATION NAME

73-01
YEARS

00
MONTH

ALL WEATHER
CLASS

15 2-17
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	1.3	1.4	.6	.1							2.8	3.2
NNE	.8	1.5	.2									2.2	4.2
NE	1.7	1.6	.1									3.3	3.0
ENE	1.5	.7	.2									2.0	3.2
E	1.7	2.0	.6									4.2	4.0
ESE	1.2	.7	.6									2.3	4.2
SE	1.5	1.1	.9									3.3	3.0
SSE	1.7	1.6	2.3									5.7	5.0
S	1.5	4.1	6.5	3.0								15.2	7.7
SSW	.6	3.0	4.2	4.4	.2							14.3	7.0
SW	.8	2.0	3.0	3.2								7.8	6.0
WSW	.7	3.0	2.1	.6	.2	.1						7.7	7.1
W	.8	2.0	3.6	.4								5.5	7.1
WNW	.8	2.3	1.4	.2								4.4	6.1
NW	.4	.7	1.6	.7								3.5	6.4
NNW	.6	1.6	1.9	1.0	.1							5.2	7.0
VARBL													
CALM												5.0	
	10.3	31.4	32.6	13.2	.7	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 810

U.S. CLIMATE BUREAU
 WASHINGTON, D.C.
 FORM NO. 1-64

SURFACE WINDS

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

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

CONDITION

1966-1971
 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	1.0	3.0	.0	.3								4.7	4.7
NNE	.7	1.0	.7									3.4	4.7
NE	.0	.4	.1									1.0	3.0
ENE	1.2	.7	.1									1.0	3.0
E	1.2	1.4										2.6	3.0
ESE	2.4	.0	.5									3.0	3.7
SE	.0	1.0	.4	.1								4.1	4.7
SSE	.7	4.0	1.7	.4								9.7	4.0
S	.5	8.0	3.3	1.7								11.0	5.0
SSW	1.0	3.0	3.0	.7								8.0	5.0
SW	.0	1.5	.0	.3								3.7	5.0
WSW	1.0	1.2	.4	.1								3.0	5.0
W	1.0	1.7	.5	.1								3.7	4.7
WNW	1.4	.7										2.1	3.0
NW	1.0	1.0	.8									3.0	4.7
NNW	.0	.0	.0	.1								2.1	3.0
VARBL													
CALM													
	27.3	30.0	17.3	3.8								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

76.7

U.S. DEPARTMENT OF COMMERCE
NATIONAL SEA SERVICE

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

SURFACE WINDS

STATION 1400 STATION NAME LEONARD GOOD MD YEARS 73-81 DATE JUL
 CLASS ALL WEATHER MONTH JUL
 CONDITION HOURS (L.S.T.) 11.7-20.0

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	.2								2.6	3.4
NNE	.7	.2										1.2	3.0
NE	.7		.2									1.2	3.4
ENE	.4		.2									.7	3.7
E	1.2	.2										1.4	2.8
ESE	1.2	1.6	.2									3.7	3.9
SE	.7	1.9	.9									3.6	4.1
SSE	1.1	5.6	2.8	.2								10.9	4.2
S	4.6	7.7	6.7	.9								19.3	5.7
SSW	1.4	1.4	1.6									4.6	5.4
SW	1.1	2.1	.9	.2								4.6	5.1
WSW	1.2	.7	.2									2.2	3.7
W	.7			.2		.2						1.2	3.0
WNW	.7	.2		.2								.7	6.0
NW	.7		.2									.5	5.5
NNW	.2	.2										.5	4.0
VARBL													
CALM												32.9	
	23.1	21.2	14.8	2.1		.2						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 431

1

U.S. AIR FORCE CLIMATE DIVISION
 OFFICE
 AIR FORCE SERVICE VMA

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

SURFACE WINDS

457 STATION 457 STATION NAME FT LONNARD 4000 MO YEARS 73-81 NORTH NORTH
 CLASS 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	1.5	1.0	.3	.7							4.1	8.0
NNE	.7	1.2	.4									2.2	4.0
NE	.5	1.2	.2									2.2	4.1
ENE	.1	.6	.2									1.3	1.7
E	1.3	1.1	.5									3.1	4.1
ESE	1.1	1.1	.4	.0								2.7	4.4
SE	1.0	1.2	.7	.1								4.2	4.4
SSE	.4	4.1	1.0	.2								5.4	4.7
S	1.3	6.4	3.1	1.8	.1							17.0	8.4
SSW	1.2	2.5	4.3	3.3	.1	.1						10.4	8.2
SW	1.7	2.2	2.6	1.7	.1	.1						7.6	7.4
WSW	1.7	2.2	1.6	1.0	.2	.2						6.5	6.7
W	1.1	2.4	1.2	.5		.2						5.7	6.3
WNW	.7	1.2	.2	.5	.0							3.2	6.6
NW	.7	.2	1.2	.4								2.9	6.9
NNW	.0	1.1	.9	.4	.0							3.2	6.7
VARBL													
CALM												14.2	
	20.4	32.3	23.5	8.1	.2	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 4634

RECEIVED FOR RESEARCH
 JUL 1964
 NATIONAL SERVICE CENTER

SURFACE WINDS

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

STATION 487 STATION NAME ST. LEONARD, GOOD MC YEARS 17,75 MONTH JUL
 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	0.0		0.6									1.0	0.7
NNE	1.2											1.0	1.0
NE	1.2											1.0	1.0
ENE	0.6	0.6										1.0	1.0
E	1.2	0.6										1.0	1.0
ESE	1.2	1.2										1.0	1.0
SE	7.1	3.0										10.1	2.1
SSE	2.4	2.4	0.6									5.0	3.0
S	1.1	3.0	0.6									4.7	3.0
SSW	1.2	1.2	1.2									3.6	1.0
SW	1.2		0.6									1.8	1.0
WSW	3.0	3.0	0.6									6.6	3.0
W	1.2	1.2	0.6									3.0	1.0
WNW	0.0											0.0	0.0
NW												0.0	0.0
NNW	0.6		0.6									1.2	0.6
VARBL													
CALM												40.0	
	12.0	17.2	5.3									34.5	1.0

TOTAL NUMBER OF OBSERVATIONS 167

NO. 01A-ATOLU-01-01-01
TAC
STATION SE VIOLETTAC

SURFACE WINDS

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

407	10 LUNA 1000 AC	73-74	JUL
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1300-1500
CLASS			NOBS (L & T)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	0										1.2	4.1
NNE	0	0.2										0.2	0.1
NE	0											0.1	0.1
ENE	0.2											0.2	0.1
E	0.2	1.2										1.4	4.1
ESE	1.2	0	0.2									1.4	4.1
SE	0.2	1.0										1.2	3.1
SSE	0.2	0.2	0.2									0.6	1.1
S	1.1	4.5	0.2									5.8	3.1
SSW	0.2	0.2	0.2									0.6	1.1
SW	0.2	0.2	0.2									0.6	1.1
WSW	0.2	0.4	0.2									0.8	1.1
W	1.2	0.2	0.2									1.6	3.1
WNW	1.0	0.2										1.2	3.1
NW	0.4	0.2	0.2									0.8	1.1
NNW	0.2	0.3										0.5	0.7
VARBL													
CALM												4.4	
	20.6	25.4	4.5									50.5	2.1

TOTAL NUMBER OF OBSERVATIONS 234

SURFACE WINDS

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

STATION 400 LEONARD WOOD PT STATION NAME 73-01 YEARS JUL
 CLASS ALL WEATHER MONTH JUL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0		.1								1.0	1.0
NNE		.4										1.0	1.0
NE	1.0	.2	.1									1.0	1.0
ENE	1.0	.5										1.0	1.0
E	1.1	1.5	.1									2.0	2.0
ESE	1.1	.5	.4									2.0	2.0
SE	1.0	2.2	.1									4.0	4.0
SSE	4.0	4.0	1.0									10.0	10.0
S	4.0	6.0	1.0	.1								12.0	12.0
SSW	.0	2.0	.0	.0								4.0	4.0
SW	1.0	5.0	0.1									7.0	7.0
WSW	.0	0.1	1.0									1.0	1.0
W	.0	.0	2.0	.0								2.0	2.0
WNW	.0	1.0	.0									1.0	1.0
NW	.0	.0	.0									1.0	1.0
NNW	.0	.0	.0									1.0	1.0
VARBL													
CALM													
	27.3	17.3	12.0	1.0								100.0	

TOTAL NUMBER OF OBSERVATIONS 100

40. DEPARTMENT OF COMMERCE
NATIONAL SERVICE

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

SURFACE WINDS

STATION 1000 NO. 47 77-01 001
STATION NAME ALL WEATHER YEARS 1977-1978
CLASS ALL WEATHER NORTH 001
CONDITION ALL WEATHER HOURS (L & Y) 001

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	2.0	0.1									1.1	4.0
NNE	0.1	0.1	0.1									0.3	4.0
NE	0.1	0.1	0.1									0.3	4.0
ENE	1.1	1.1	0.1									2.3	4.0
E	1.1	2.0	0.1									3.2	4.0
ESE	1.1	1.1	0.4	0.1								2.7	4.0
SE	1.1	2.0	0.7									3.8	4.0
SSE	0.1	1.1	1.4									2.6	4.0
S	0.1	4.0	1.1	0.1								5.3	4.0
SSW	0.1	1.1	1.1	1.7								3.9	4.0
SW	1.1	2.0	3.1	0.7								6.9	4.0
WSW	1.1	5.0	4.7	0.7								11.5	4.0
W	1.1	0.2	6.7	1.1								8.1	4.0
WNW	0.1	1.1	3.1	0.2								4.5	4.0
NW	0.1	1.1	1.6	0.1								2.9	4.0
NNW	0.1	2.0	1.1									3.2	4.0
VARBL													
CALM													
	2.0	4.0	2.0	4.2								12.2	4.0

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLS (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	1.0	1.0		.1							.1	1.0
NNE	.1	.1	.1									.1	.1
NE	.1	.1	.1									.1	.1
ENE	.1	.1	.1									.1	.1
E	.1	.1	.1	.1								.1	.1
ESE	.1	.1	.1									.1	.1
SE	.1	.1	.1									.1	.1
SSE	.1	.1	.1	.1								.1	.1
S	.1	.1	.1	.1	.1							.1	.1
SSW	.1	.1	.1	.1	.1							.1	.1
SW	.1	.1	.1	.1	.1							.1	.1
WSW	.1	.1	.1	.1	.1							.1	.1
W	.1	.1	.1	.1	.1							.1	.1
WNW	.1	.1	.1	.1	.1							.1	.1
NW	.1	.1	.1	.1	.1							.1	.1
NNW	.1	.1	.1	.1	.1							.1	.1
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

AL-1116 U91

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC(1)
APR 82

UNCLASSIFIED

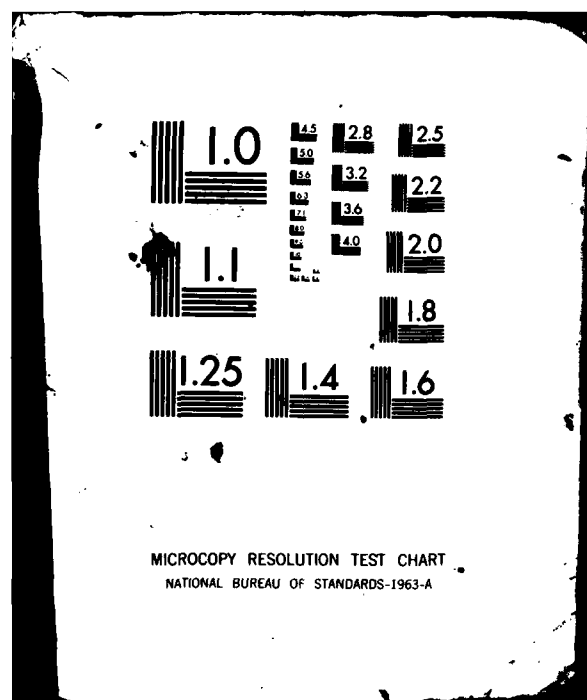
USAFITAC/PS-82/023

SBI-AD-E850 170

NL

2. 5

$$T_{\text{eff}} = T_0 \left(1 + \frac{1}{2} \frac{v^2}{c^2} \right)$$



U.S. AIR FORCE
 CLIMATE DIVISION
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1457 FT LEONARD WOOD MO 73-81 JUL
 STATION NAME YEARS MONTH
 ALL WEATHER CLASS 1500-1700
 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	1.2	5.1	2.2	.1								3.6	5.6
NNE	1.4	1.7	.4									3.6	4.2
NE	2.1	1.9	.2									4.2	3.7
ENE	1.7	2.1	.1									3.5	4.0
E	2.2	1.9	.1	.1								4.3	4.3
ESE	1.2	1.9	.6	.1								3.9	4.7
SE	.7	1.4	.6	.1								2.9	5.0
SSE	2.1	3.7	.6	.1								6.5	4.3
S	1.5	5.2	2.9	.6								10.0	6.1
SSW	1.6	2.9	3.1	.8								8.5	6.8
SW	.5	3.6	4.0	.1								8.2	6.9
WSW	1.0	2.7	4.0	.8								9.5	7.2
W	1.2	1.3	3.9	.4								7.2	6.8
WNW	.7	2.5	.8	.1								4.2	5.2
NW	.6	1.4	1.2									3.3	5.9
NNW	.6	1.6	1.6	.1								3.9	5.9
VARBL													
CALM												3.7	
	17.8	41.5	26.3	3.6								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 878

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

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

SURFACE WINDS

STATION 14457 STATION NAME FT LEONARD WOOD MO YEARS 77-81 MONTH JUL
 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	2.2	3.3	.4	.1								5.7	4.2
NNE	1.5	.7										1.7	3.4
NE	.9	.7										1.6	3.4
ENE	2.3	1.7	.1									3.9	3.1
E	2.9	1.9	.1									4.8	3.3
ESE	2.4	1.6	.5	.1								4.6	4.1
SE	2.1	2.0	.2									4.3	3.7
SSE	4.0	2.9	.5									7.3	3.6
S	5.5	5.6	2.9	.2								14.2	4.6
SSW	1.5	2.9	.6									5.0	4.5
SW	2.2	2.1	1.2									5.6	4.4
WSW	1.7	2.6	.9				.1					5.3	5.1
W	1.1	1.2	.2									2.6	4.3
WNW	.9	.5			.2							1.6	5.3
NW	.9	.7	.2	.1								2.0	4.8
NNW	.6	1.2	.1									2.0	4.4
VARBL													
CALM												27.7	
	31.9	31.4	8.1	.6	.2		.1					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 805

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 104457 FT LEONARD WOOD MO 73-81 JUL
STATION NAME YEARS MONTHS
ALL WEATHER 2100-2300
CLASS HOURS (L.O.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	1.5	.9										2.5	3.1
NNE	.4	1.3	.2									2.5	5.2
NE	.7	.2										.9	2.3
ENE	1.7	.7										2.5	2.4
E	2.2	1.8	.2									4.3	3.4
ESE	3.1	1.8	.4									5.4	3.5
SE	2.5	2.7										5.2	3.6
SSE	7.4	7.0	.4									14.8	3.7
S	3.8	4.7	2.2									16.8	4.6
SSW	1.1	1.8	1.1									4.0	5.0
SW	1.8	2.5	.7									4.9	4.0
WSW	1.6	.7	.4									2.7	3.8
W	1.1											1.1	2.8
WNW													
NW													
NNW	.2	.4	.2									.9	4.5
VARBL													
CALM												38.6	
	28.9	26.5	6.1									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 446

JOINT CLIMATOLOGY BRANCH
JTAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTH JUL
 CLASS ALL WEATHER
 CONDITION ALL
 (U.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	1.3	2.4	.8	.1	.0							4.6	5.0
NNE	1.3	1.1	.2									2.2	4.0
NE	1.5	1.0	.1									2.5	3.3
ENE	1.3	1.3	.1									2.7	3.4
E	1.0	1.7	.3	.0								3.9	3.9
ESE	1.5	1.4	.4	.1								3.4	4.2
SE	1.7	2.0	.3	.0								4.2	3.9
SSE	3.3	3.3	.9	.0								8.0	4.1
S	2.1	5.0	1.9	.3								10.3	4.9
SSW	1.0	2.6	1.5	.5								5.6	6.2
SW	1.5	3.1	2.5	.3								7.3	5.9
WSW	1.7	3.5	2.6	.3			.0					6.2	5.9
W	1.5	3.1	2.9	.5								8.0	6.2
WNW	.9	1.4	1.0	.1	.0							3.3	5.6
NW	.7	.0	.9	.1								2.5	5.6
NNW	.5	1.6	1.0	.1								3.2	5.9
VARBL													
CALM												20.0	
	24.6	35.6	17.4	2.4	.1		.0					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 5066

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

73-457 STATION 73-74 AUG MONTH
STATION NAME ALL WEATHER CLASS 0000-2000 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													
NNE													
NE	.5	1.5										2.2	3.8
ENE	.5	.5										1.1	3.5
E	1.1	1.1										2.2	3.5
ESE	.5	1.1	.5									2.2	4.8
SE	2.2	2.7										4.8	3.9
SSE	10.9	12.9	2.7									26.3	4.1
S	9.7	4.3	1.6									15.6	3.7
SSW	1.1	3.8	2.2									7.0	5.6
SW	1.1	1.6	1.1									3.8	4.6
WSW	2.7	2.2										4.8	2.8
W	.5											.5	1.0
WNW	.5	1.1										1.6	3.7
NW	1.1											1.1	2.0
NNW													
VARBL													
CALM												26.9	
	32.3	32.3	8.1									100.3	2.9

TOTAL NUMBER OF OBSERVATIONS 186

U.S. AIR FORCE
 CLIMATE BRANCH
 WASHINGTON, D.C.
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14457 STATION NAME FT LEONARD WOOD MO YEARS 73-79 MONTHS AUG
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
 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	1.2	.3									2.1	4.3
NNE	.5	.9		.3								1.8	5.0
NE	.9	.6	.3									1.3	4.0
ENE	.3		.3									.6	5.5
E		1.2	.3									1.5	5.0
ESE	2.1	.6										2.6	2.7
SE	4.1	2.9	.6									7.6	3.8
SSE	7.0	10.9	.9									18.8	3.9
S	7.6	5.6	1.2	.3								14.7	4.0
SSW	2.1	3.5	1.2									6.7	4.5
SW	2.5	2.6	1.8									7.0	4.7
WSW	2.3	2.1										4.4	3.5
W	1.2	.6	.3									2.1	4.0
WNW	.3		.3									.6	5.0
NW	.5		.3									.9	4.0
NNW	.3	.6										.9	3.7
VARBL													
CALM												26.1	
	32.6	33.1	7.6	.6								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 341

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

0457

ST LIONARD WOOD MC

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-2600

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.7	.6									2.4	4.7
NNE	.6	.6	.1									1.3	3.0
NE	1.5	1.5	.2									3.0	3.6
ENE	.7	.8	.1									1.7	4.0
E	.6	1.0	.1	.2								1.9	5.3
ESE	.7	.8										1.6	3.9
SE	1.9	2.9	.2									5.1	4.7
SSE	4.6	10.5	.6									15.7	4.7
S	6.2	8.3	2.7	.2								17.4	4.7
SSW	1.2	3.3	2.1	.4								6.9	5.3
SW	1.7	3.7	3.1	.5								9.1	6.1
WSW	1.3	3.7	1.7	.2								7.0	5.5
W	1.9	2.9	.6									5.4	4.3
WNW	.4	1.3	.1									1.8	4.3
NW	.1	.4	.7									1.2	6.4
NNW	.2	1.2	.7									2.2	5.7
VARBL													
CALM												15.7	
	25.2	43.8	13.8	1.6								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

827

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 64-120-1
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

14457 STATION FT LEONARD WOOD MO 73-81 YEARS AUG MONTH
 ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.1									5.1	5.7
NNE	.2	.8	1.0									2.0	6.4
NE	1.1	1.3	.7									3.1	4.9
ENE	2.4	2.0	.4									4.8	4.0
E	3.3	2.4	.7									5.4	4.2
ESE	1.1	1.4	.5									3.0	4.8
SE	1.0	1.3	.6									3.5	4.1
SSE	1.0	2.6	.6	.1								4.3	5.1
S	1.2	4.3	3.5	1.0								10.5	6.4
SSW	.5	2.9	4.3	1.3								9.0	7.6
SW	.8	4.2	4.8	1.7								11.5	7.5
WSW	1.6	4.4	4.1	1.1								11.1	6.6
W	2.2	5.9	3.1	.5								11.6	5.7
WNW	.2	1.7	1.0	.2								3.1	6.7
NW	.6	2.3	.8									3.7	5.3
NNW	.2	1.6	1.1									2.9	6.1
VARBL													
CALM												7.4	
	12.2	40.4	28.1	5.9								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 836

1
J. L. CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 124457 STATION NAME FT LEONARD WOOD MC YEARS 73-81 MONTHS AUG
ALL WEATHER CLASS 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	1.0	1.9	2.3	.1								5.3	6.0
NNE	.7	2.0	.5	.1								3.4	5.1
NE	1.7	1.8	1.1									4.6	4.7
ENE	2.0	1.9	.7	.1								4.8	4.5
E	1.6	2.8	.5									4.8	4.3
ESE	.7	1.6	.7									3.0	5.1
SE	.5	2.6	.5	.1								4.1	4.7
SSE	1.0	2.5	1.4									4.9	5.3
S	2.2	4.1	2.9	1.0								12.1	6.3
SSW	1.1	2.5	4.4	1.9								9.9	7.9
SW	.7	4.0	3.2	.8								8.7	6.9
WSW	.7	4.6	4.4	.5								12.2	6.7
W	1.0	4.6	2.0	.5								8.0	5.9
WNW	1.4	2.0	1.6	.2								5.3	5.6
NW	.5	1.1	.6	.1								2.3	5.7
NNW	.5	2.3	1.7									4.4	6.3
VARBL													
CALM												6.3	
	17.5	42.2	28.5	5.5								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 875

LOCAL CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/440

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

SURFACE WINDS

457 STATION FT LEONARD WOOD MO 73-81 YEARS AUG MONTHS
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.4									5.4	4.3
NNE	.0	2.5	.7									4.1	4.7
NE	1.4	1.7	.5									3.6	4.5
ENE	1.6	2.3	.6									4.4	4.5
E	2.7	3.2	.8		.1							6.7	4.6
ESE	1.6	2.2	.1		.1							3.9	4.6
SE	1.7	2.9	1.7	.1								6.3	5.2
SSE	1.6	3.8	2.0	.5								7.9	5.8
S	1.9	3.8	4.1	1.4								11.2	6.7
SSW	1.1	3.6	4.9	2.5								12.1	7.6
SW	.4	2.9	3.8	1.0								8.0	7.6
WSW	.8	1.7	1.2	.2	.1							4.3	6.3
W	1.0	2.5	1.4	.1								2.0	5.7
WNW	.0	1.1	.5	.2								2.6	5.6
NW	.8	1.2	1.2									3.2	5.8
NNW	1.1	1.9	1.1	.1								4.2	5.4
VARBL													
CALM												6.6	
	21.1	39.4	26.0	6.2	.4							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 837

LOCAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

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

SURFACE WINDS

74457 STATION FT LEONARD WOOD MO 73-81 YEARS ALL WEATHER CLASS 1930-2000 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	2.2	1.2	.1									4.0	3.5
NNE	1.2	1.6										2.8	3.6
NE	1.2	.4	.2									2.3	3.7
ENE	2.4	.7	.4									3.5	3.3
E	4.7	2.8	.4		.1							7.9	3.5
ESE	2.6	2.4	.4		.1							5.6	4.0
SE	4.9	3.2	.5	.1								8.8	3.8
SSE	6.1	6.4	1.7									13.4	3.8
S	6.0	6.6	2.4	.4								16.5	4.2
SSW	1.6	4.7	1.4	.2								7.2	5.2
SW	1.1	1.2	.2	.2								2.8	5.1
WSW	1.0	.4	.6									1.9	4.5
W	.8	.2	.4									1.4	4.2
WNW	.5	.1	.1			.1						1.0	5.5
NW	.6	.2	.4									1.2	4.7
NNW	.4	.6	.1	.1								1.2	5.0
VARB													
CALM												18.6	
	37.3	33.2	9.5	1.1	.2	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 834

U.S. AIR FORCE
 WEATHER SERVICE
 CLIMATE BRANCH
 AFMPC

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

SURFACE WINDS

STATION 457 STATION NAME LT LEONARD WOOD MO YEARS 73-79, 81 ADP ADP
 CLASS ALL WEATHER MONTHS 1100-2300
 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	.4	.7										1.3	3.5
NNE	1.5	.7										3.2	2.8
NE	.7	.7	.2									1.5	4.0
ENE	2.2	.2	.2									2.4	2.5
E	4.1	2.2										5.3	3.1
ESE	2.4	2.2										4.4	3.3
SE	5.5	4.6	.2									10.5	3.3
SSE	5.5	12.9	1.3									19.7	4.3
S	5.7	8.1	4.4	.4								17.9	5.0
SSW	.7	2.2	.7	.2								3.7	5.5
SW	1.1	2.6	.2									3.3	4.4
WSW			.2									.2	5.2
W	.2	.2										.4	3.2
WNW													
NW	.4	.2										.7	2.3
NNW		.2										.2	4.0
VARBL													
CALM												24.7	
	22.5	37.8	7.4	.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 458

U.S. AIR FORCE
METAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 4051 FT LEONARD WOOD MO 73-81 ADJ
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
NOVRS (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 - 53	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	.9	.0								3.5	4.9
NNE	.1	1.3	.4	.0								2.5	4.6
NE	1.7	1.7	.5									3.1	4.3
ENE	1.7	1.3	.4	.0								3.4	4.1
E	2.3	2.3	.4	.0	.7							5.1	4.1
ESE	1.5	1.0	.3		.0							3.4	4.2
SE	2.0	2.5	.6	.1								5.1	4.1
SSE	3.5	6.5	1.2	.1								11.4	4.4
S	4.2	5.7	3.2	.7								13.8	5.3
SSW	1.1	3.2	3.0	1.0								5.3	6.8
SW	1.1	3.1	2.6	.7								7.4	6.5
WSW	1.1	2.0	2.7	.3	.7							6.1	6.0
W	1.2	2.7	1.2	.2								5.3	5.4
WNW	.6	1.0	.5	.1		.3						2.3	5.6
NW	.0	.0	.0	.0								2.0	5.4
NNW	.4	1.3	.4	.0								2.5	5.8
VARBL													
CALM												13.3	
	21.2	38.9	18.6	3.4	.1	.0						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 1154

U.S. AIR FORCE
 WEATHER SERVICE/4AC

SURFACE WINDS

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

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 73-74 MONTH SEP
 CLASS ALL WEATHER
 CONDITION
 DDDDD (L.S.V.) 1078-0200

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.4	1.1									6.1	4.6
NNE	1.7	.6										2.2	3.0
NE	1.7	.6										2.2	3.0
ENE	1.1	2.2										3.4	3.0
E	1.7	.6										2.2	2.7
ESE													
SE	3.4	4.5										7.8	3.6
SSE	3.9	17.1	3.9	.6								18.4	5.1
S	.6	6.1	3.9									10.5	6.1
SSW	1.1	.6	1.7									3.4	3.5
SW	2.2	.6	.6									3.4	3.3
WSW	1.1	1.7										2.8	4.0
W		1.7										1.7	5.0
WNW	1.1											1.1	2.0
NW	.6		.6									1.1	6.0
NNW	1.1	.6	1.1									2.8	5.2
VARBL													
CALM												30.7	
	22.5	13.0	12.8	.6								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 179

U.S. AIR FORCE
 METAC
 WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 73-79 MONTHS SEP
 CLASS ALL WEATHER HOURS 0300-0500
 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	1.3	1.5									3.2	4.3
NNE	.3											.3	3.0
NE	2.4	.3										2.7	2.4
ENE	.7	.3										.6	3.5
E	3.7	.6										3.6	2.3
ESE	.5											.6	2.8
SE	4.3	4.9	.6									9.4	4.3
SSE	6.2	7.7	2.1	.3	.3							17.9	4.6
S	4.3	4.7	1.8									13.0	4.3
SSW	.7	1.2	.9	.6								3.6	6.1
SW	1.6	.3	.6									2.4	3.9
WSW	.5	.3										.9	3.3
W	.7		.6									.3	5.7
WNW	.3	.9	.3	.3								1.8	6.2
NW	.3	.5	.3									1.2	5.3
NNW	.3	.9	.6									1.8	6.5
VARBL													
CALM												70.6	
	22.2	23.1	9.4	1.2	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 329

AL CLIMATOLOGY BRANCH
TAC
CATHY SERVICE/MAC

SURFACE WINDS

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

STATION 1457 FT LEONARD WOOD MO STATION NAME 73-61 YEARS SEP MONTHS 600-0000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	1.0									3.3	4.0
NNE	.6	.7	.1									1.4	4.0
NE	1.4	.0										2.3	3.0
ENE	1.0	1.4										3.3	3.3
E	1.6	1.1										2.5	3.1
ESE	.8	.6										1.4	3.1
SE	1.6	2.4	.4									4.4	4.0
SSE	.3	8.9	1.5									16.6	4.0
S	5.5	7.5	2.5									15.5	4.0
SSW	1.0	1.3	1.1	.3								4.1	6.0
SW	1.3	2.1	1.3									4.6	5.4
WSW	1.6	1.5	.5									3.6	4.0
W	1.1	1.1	.1									3.3	3.6
WNW	.0	.8	.1									1.0	3.6
NW	.3	1.0	.3									1.5	3.1
NNW	1.1	2.1	.5									3.6	4.4
VARBL													
CALM												25.7	
	2.2	35.5	9.4	.3								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 799

U.S. AIR FORCE
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 10457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTH SEP
 CLASS ALL WEATHER
 CONDITION 9900-1100
 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	.9	2.0	2.6									5.4	6.1
NNE	1.5	2.5	.9									4.3	4.5
NE	1.7	2.0	.4	.2								4.5	4.7
ENE	1.7	2.5	.4									4.7	4.8
E	1.6	2.7	.1									4.5	4.7
ESE	1.6	1.6	.1									3.3	3.8
SE	1.5	2.5	.5									4.6	4.4
SSE	2.1	4.2	2.5	.2								9.0	5.7
S	1.7	6.6	4.1	.7								13.1	6.2
SSW	.6	2.7	3.1	1.5								7.2	7.9
SW	1.5	1.9	3.3	1.6	.1							7.9	7.9
WSW	1.5	2.4	2.0	.6								5.9	6.4
W	2.1	2.0	1.5	.1								5.7	5.2
WNW	1.1	.8	.6									2.5	4.9
NW	1.2	1.4	1.2	.1								4.2	5.6
NNW	1.7	2.5	1.4									4.8	5.5
VARBL													
CALM													
	21.5	40.3	24.8	5.2	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 600

U.S. AIR FORCE
METEOROLOGICAL BRANCH
T-20
METEOROLOGICAL SERVICE/MAJ

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

SURFACE WINDS

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 SET SEP
 ALL WEATHER 1200-1400
 CLASS NOON (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	5.3	2.6	.6								10.3	5.5
NNE	1.0	2.5	.9	.2								5.6	4.8
NE	1.1	1.5	.2									3.2	3.1
ENE	2.3	2.4	.2									2.4	3.2
E	1.7	3.5	.6	.1								5.9	4.5
ESE	1.4	1.6	.5									3.2	4.2
SE	1.5	2.3	1.6									5.6	5.2
SSE	1.9	3.5	1.5									6.8	6.1
S	.9	4.2	3.5	1.4								9.9	7.0
SSW	.1	1.7	3.2	1.7								6.8	5.7
SW	.6	1.9	2.6	1.1								6.2	7.2
WSW	.5	1.5	2.2	.9								4.7	7.6
W	1.1	1.2	1.5	.1								4.2	6.1
WNW	.9	1.4	.7									3.2	4.7
NW	1.6	1.5	1.4	.4								4.2	5.5
NNW	1.7	2.6	2.5	.2								6.3	6.3
VARB.													
CALM												7.9	
	21.0	36.9	25.5	6.8								110.0	6.4

TOTAL NUMBER OF OBSERVATIONS 809

1
 NATIONAL CLIMATOLOGY BRANCH
 AFSTAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

457 STATION NAME FT LEONARD WOOD MO YEARS 73-91 MONTH SEP
 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	5.2	3.7	.1								10.9	5.4
NNE	1.0	1.4	.5									3.9	3.7
NE	1.9	1.6	.2	.1								3.9	3.9
ENE	2.7	2.4										5.2	3.3
E	2.6	2.2	.4									5.2	3.7
ESE	1.7	2.6	.2									4.6	4.1
SE	2.7	2.1	.6									4.6	4.2
SSE	1.4	3.2	1.5	.4								6.5	5.3
S	1.7	5.6	6.2	.9	.1							14.5	6.9
SSW	1.7	1.6	2.2	1.0								5.8	7.4
SW	.7	1.1	2.1	.1								3.5	7.2
WSW	.7	1.6	1.2	.4								4.0	6.4
W	.4	1.7	.9									3.0	5.4
WNW	.5	.6	.6	.1								1.9	6.2
NW	.7	1.5	.7	.2								3.4	5.5
NNW	1.7	3.2	2.5	.1	.1							7.0	6.2
VARS													
CALM												12.3	
	23.1	37.5	23.0	3.5	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 605

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/HAL

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

SURFACE WINDS

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTHS SEP
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	2.1	1.2	.1	.1							8.0	4.1
NNE	1.2	.4	.4									2.0	3.6
NE	1.2	.4	.1									1.7	3.1
ENE	1.9	.5	.1									2.5	3.2
E	4.1	2.7										6.1	2.9
ESE	2.1	.5	.2									3.0	3.0
SE	2.9	3.4	.4									6.6	3.8
SSE	4.9	4.5	1.0									10.3	3.9
S	2.9	6.2	3.9	.4								13.1	5.7
SSW	.5	1.7	.7	.1								3.1	5.5
SW	.3	.6										1.5	3.3
WSW	.7	.5	.2									1.5	4.3
W	.6	.1										1.2	3.4
WNW	.1	.1	.2	.1								.6	8.4
NW	.7	.2	.2									1.2	3.6
NNW	.6	1.4	.5	.1								2.6	4.9
VARBL													
CALM												34.8	
	29.3	25.1	9.4	.9	.1							120.0	2.7

TOTAL NUMBER OF OBSERVATIONS 802

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 10457 STATION NAME FT LEONARD WOOD MO YEARS 23-81 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	2.3	.7									6.1	3.7
NNE	.5	1.6	.2									2.3	4.7
NE	2.0	.5										2.5	2.6
ENE	1.4	.2										1.6	2.1
E	3.6	1.6										5.2	3.0
ESE	1.3	.9										2.7	2.8
SE	4.1	2.1	.2									6.4	3.5
SSE	5.0	8.0	.9	.5								14.3	4.4
S	4.3	5.5	3.9	.7								14.3	5.6
SSW	1.4	.2	1.6	.7								3.9	6.2
SW	1.6	.5			.2							2.3	4.3
WSW	.7	.2	.2									1.4	3.5
W	.7	.7										1.4	3.5
WNW				.2								.2	12.0
NW	.5	.9	.2									1.6	4.4
NNW	.5	.9	.9									2.3	6.4
VARBL													
CALM												31.6	
	1.4	25.9	3.9	2.0	.2							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 440

AL CLIMATOLOGY BRANCH
 FTAD
 DATA SERVICE/MAC

SURFACE WINDS

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

457 STATION FT LEONARD WOOD MO 73-81 YEARS SEP 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	1.2	3.2	1.0	.1	.0							7.6	5.1
NNE	1.3	1.3	.5	.0								3.2	4.4
NE	1.5	1.2	.2	.1								3.0	3.7
ENE	1.9	1.7	.1									3.7	3.6
E	2.5	2.1	.2	.0								4.7	3.0
ESE	1.4	1.2	.2									2.8	3.7
SE	2.3	2.7	.6									5.7	4.1
SSE	3.2	5.5	1.6	.2	.0							11.1	4.6
S	2.7	5.8	3.9	.6	.0							13.0	5.9
SSW	.7	1.5	2.0	.8								5.1	7.3
SW	1.0	1.3	1.6	.5	.0							4.3	6.7
WSW	.9	1.3	1.0	.3								3.5	5.9
W	.9	1.2	.7	.0								2.9	5.0
WNW	.6	.7	.4	.1								1.3	5.1
NW	.5	1.0	.7	.1								2.7	5.3
NNW	.0	2.1	1.3	.1	.0							4.4	5.7
VARBL													
CALM												20.6	
	25.6	33.9	16.8	3.0	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 4971

1
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

0457 STATION 73-74 0000-0000
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.0										4.0	5.3
NNE	1.0	2.0										3.0	4.0
NE	2.0											2.0	3.0
ENE													
E													
ESE	1.0	2.0										3.0	4.0
SE	1.0	4.0										5.0	4.0
SSE		7.0	5.0	1.0								13.0	6.7
S	2.0	5.0	7.0	6.0								21.0	8.5
SSW		5.0										5.0	5.0
SW			7.0									7.0	7.0
WSW	1.0	3.0										4.0	3.5
W													
WNW													
NW		1.0										1.0	4.0
NNW													
VARBL													
CALM												34.7	
	7.0	34.7	14.0	7.0								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 101

ALL DATA TO BE SUBMITTED
 IN
 REPORT NO. 100-100

SURFACE WINDS

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

STATION 1480 STATION NAME FT. LONARD WOOD RD YEARS 73-79 MONTH OCT
 CLASS ALL WEATHER
 CONDITION 1000-1500
 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	2.6	2.2	1.5									6.3	4.5
NNE	.4	.4	.7									1.5	5.0
NE	.7											.7	2.6
ENE	.4	.4										.7	4.5
E													
ESE		1.6	.4									1.9	5.2
SE	1.1	3.7	.4									5.2	4.1
SSE	2.6	17.4	3.0									16.0	4.6
S	.7	9.7	4.9	1.0								17.1	6.5
SSW	1.1	2.8	.4	.4	.4							4.8	6.4
SW	1.1	2.6	.4									4.1	4.2
WSW	1.1	3.3										4.5	4.3
W	1.1	.7	.7									2.6	4.6
WNW	1.1	.7	1.1									3.0	4.9
NW		.4	.7									1.1	7.3
NNW	1.9	1.1	1.5									4.5	5.1
VARBL													
CALM												26.0	
	16.0	39.8	15.6	2.2	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 269

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

SURFACE WINDS

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

STATION 1457 STATION NAME FT LEONARD WOOD MC YEARS 73-81 MONTH OCT
 ALL WEATHER
 CLIM
 CONDITION
3600-3600
 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	2.1	2.1	2.3									6.4	5.2
NNE	.7	1.1	.6									2.4	5.3
NE	.9	.7	.5									1.2	4.5
ENE	.7	.1										.9	2.1
E	1.2	.4	.1									1.7	3.2
ESE	.1	.4	.2									1.0	3.9
SE	1.2	3.9	.6	.2								6.1	5.7
SSE	3.2	9.7	2.8	.1								16.6	4.7
S	3.1	2.0	5.3	.4	.1							16.8	5.4
SSW	.2	1.3	2.0	.9	.2	.1						4.4	6.9
SW	1.6	1.7	1.7	.4	.1							5.0	5.5
WSW	.7	2.9	.2									1.9	4.3
W	1.5	2.3	1.1									4.9	4.6
WNW	.6	1.2	.7	.1								2.7	5.7
NW	.5	2.2	.5	.4								3.6	6.3
NNW	.7	1.8	1.7	.4								4.7	6.4
VARBL													
CALM												1.3	
	20.0	40.2	20.0	2.8	.5	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 815

U.S. AIR FORCE CLIMATOLOGY BRANCH
 TSC
 WASHINGTON, D.C. 20330

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

SURFACE WINDS

STATION 145 FT. LONAST WOOD MO STATION NAME 73-21 YEARS 1977-1978
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.3	3.7	.6								6.4	7.0
NNE	.2	1.2	.6	.2								2.2	2.0
NE	.7	1.1	.6									2.4	4.0
ENE	.3	1.2	.4									2.2	4.0
E	.3	1.3	.6									2.2	4.7
ESE	.3	1.3	.5									2.2	4.0
SE	.3	1.7	.8	.1								2.2	6.0
SSE	.7	4.5	3.6	.8								7.2	6.0
S	.3	2.3	5.9	2.6	.5							12.1	6.9
SSW	.5	1.1	3.7	2.8	.4	.4						6.7	10.5
SW	.6	1.4	3.8	1.7	.1							7.7	5.5
WSW	.7	2.9	2.5	1.2	.1							7.4	7.4
W	.8	3.1	1.7	.6								5.1	6.1
WNW	.3	1.1	1.7	.4								3.5	7.4
NW	.4	2.2	2.9	1.4								5.2	6.1
NNW	1.2	2.7	3.2	.8								7.7	7.4
VARBL													
CALM												5.7	
	17.6	31.7	37.2	13.5	1.1	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 436

1

AL CLIMATELOGY BRANCH
100
PATT OF VICO / IAC

SURFACE WINDS

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

457 STATION 457 LEONARD WOOD STATION NAME 77-81 YEARS MONTH 1000-1400 HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.0	4.7	1.1								4.7	7.1
NNE	.0	1.0	1.2	.1								4.1	5.6
NE	.0	2.0	.1									4.1	4.4
ENE	1.0	.0	.0									1.0	4.0
E	1.0	.0	.1									1.0	4.1
ESE	.0	1.1	.4									1.0	5.1
SE	.7	1.0	1.0									5.0	5.4
SSE	.1	1.0	2.3	.6								5.0	7.9
S	.0	2.0	1.5	5.7	.5							14.0	9.7
SSW	.0	1.0	3.5	2.4	.9	.1						7.9	10.3
SW	.5	2.2	2.3	2.6	.2							7.6	9.9
WSW	.7	2.0	4.0	.6								7.5	7.7
W	.7	2.0	2.3	.4	.2	.1						6.5	7.2
WNW	.4	1.1	1.4	.8								3.7	8.3
NW	1.1	1.0	3.2	2.2	.4							5.6	6.8
NNW	.7	2.0	4.0	1.3								6.5	7.9
VARBL													
CALM												4.3	
	11.0	24.5	35.6	15.0	2.2	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 835

RECEIVED

AT THE SERVICE

SURFACE WINDS

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

STATION 17 LEONARD WOOD MC STATION NAME 77-31 YEARS OCT 1950-1950 MONTHS (C.S.F.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.5	4.3	1.1								12.4	6.3
NNE	1.1	1.7	.4									3.1	4.4
NE	1.1	1.3										2.4	3.7
ENE	1.7	.4										2.3	2.8
E	1.0	.7										1.7	3.4
ESE	.4	.4										.8	3.1
SE	.4	1.1	1.7	.2								3.1	6.7
SSE	.4	2.5	3.1	1.0								7.4	7.0
S	.4	4.6	7.5	4.1								16.6	6.5
SSW	.4	2.2	7.5	1.3	.4	.2						3.0	8.9
SW	.7	.4	1.5	1.7								4.3	6.9
WSW	.7	1.1	1.3	.2	.1							3.8	6.7
W	.4	3.1	1.7	.4								6.3	6.1
WNW	.4	1.7	2.2	.8	.2	.1						5.5	8.3
NW	.4	1.1	2.6	1.6	.1							5.2	8.7
NNW	.7	3.1	3.5	1.2								6.4	7.4
VARBL													
CALM												7.1	
	14.6	31.0	32.6	13.5	.8	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 936

U.S. AIR FORCE
 CLIMATE BRANCH
 AFMPC
 WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 14437 STATION NAME 73 LEONARD WOOD MO YEARS 73-81 MONTH OCT
 CLASS ALL WEATHER HOURS (L & V) 1910-1800
 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	4.6	2.0	1.2	.2								4.9	4.1
NNE	.5	1.1	.4	.2								1.3	5.3
NE	.5	.5	.2									1.2	4.1
ENE	1.3	.1										1.4	2.5
E	2.2	1.1										3.1	2.3
ESE	.5	1.1										1.9	2.4
SE	1.6	1.2	1.2									4.3	4.5
SSE	2.0	5.2	3.1	1.7								13.2	5.9
S	2.5	5.4	4.6	1.2		.2						17.5	6.3
SSW	.6	1.7	1.0	.7	.2							4.2	7.3
SW	.7	.5	.2	.1								1.5	4.7
WSW	1.4	.2	.1	.2								1.7	4.5
W	1.6	.7	.1									2.4	3.4
WNW	.5	.3	.2	.1		.1						1.6	6.1
NW	1.3	.1	1.2	.4								3.4	1.3
NNW	1.3	1.2	.7	.2								3.5	5.4
VARBL													
CALM												27.4	
	25.2	23.3	14.4	4.5	.2	.4						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 629

U.S. CLIMATOLOGY BRANCH
177
NAVY AIR SERVICE/PAC

SURFACE WINDS

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

1467	EL LEONARD WOOD RD	17-91	007
STATION	STATION NAME	YEARS	MOON
ALL WEATHER			100-230
CLASS			MOON (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.4	0.0									0.1	3.7
NNE	0.0	1.3	0.0									1.7	3.4
NE	0.4	0.2	0.2									0.9	3.5
ENE	0.9	0.0										1.5	3.6
E	1.0	0.0										2.4	3.7
ESE	0.0	1.0	0.4									2.6	4.4
SE	1.7	2.2	0.0									4.8	4.5
SSE	0.0	7.4	3.9	1.1	0.2							15.6	6.7
S	1.7	7.1	0.4	1.7	0.2							19.3	7.3
SSW	1.0	2.0	1.3	0.2	0.0							5.4	6.0
SW	1.1	1.1	0.4									2.6	4.3
WSW	0.0	1.3	0.2									2.2	4.6
W	0.0	0.0		0.2								0.2	6.5
WNW		1.1	0.9									1.9	5.7
NW	1.1	1.1	0.6	0.4	0.2							3.0	6.0
NNW	0.0	0.0	0.4	0.2								2.4	5.4
VARBL													
CALM												26.4	
	10.4	31.6	18.8	3.9	0.9							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 462

44 CLIMATOLOGY BRANCH
 AF TAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 77-81

CLASS ALL WEATHER

CONDITION

DOY 007 MONTH

ALL HOURS (L.S.V.)

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	3.3	2.8	.5								5.3	5.9
NNE	.7	1.3	.6	.1								2.6	5.2
NE	.3	1.1	.3									2.0	4.2
ENE	1.2	.6	.1									1.8	3.4
E	1.2	.1	.1									1.1	3.6
ESE	.5	1.1	.2									1.7	4.5
SE	1.1	2.1	.5	.1								4.1	5.2
SSE	1.6	5.4	3.2	.7	.2							11.1	6.7
S	1.1	5.6	6.2	2.4	.2	.0						15.0	7.6
SSW	.5	1.7	2.4	1.4	.4	.1						5.7	9.0
SW	.1	1.3	1.6	1.1	.1							4.9	7.5
WSW	.5	2.1	1.4	.4	.2							4.7	6.4
W	1.1	2.1	1.2	.2	.2	.2						4.5	5.9
WNW	.5	1.1	1.2	.4	.2	.2						3.2	7.3
NW	.7	1.5	1.8	1.0	.1							5.2	7.9
NNW	.2	1.0	2.4	.7								5.9	7.0
VARBL													
CALM												14.7	
	11.3	32.5	26.4	9.1	.9	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 4082

1. LOCATION - HATCH
2. FAC
3. NATIONAL SERVICE

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

SURFACE WINDS

STATION NAME: LEONARD 1000 MO. YEAR: 74, 80 MONTH: NOV
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	2.2		1.1									3.3	4.3
NNE		1.1										1.1	4.3
NE		2.2	2.2									4.3	7.5
ENE		1.1	1.1									2.2	5.5
E		1.1										1.1	6.7
ESE													
SE	2.2	4.3	1.1									7.5	4.4
SSE	2.2	5.4	2.2									13.9	4.9
S	1.1	3.3	2.3	2.2								9.8	6.7
SSW	2.2	3.3	3.3									8.7	2.5
SW	2.2	4.3	2.2									8.7	5.7
WSW	1.1	5.4										6.5	5.3
W	1.1	1.1										2.2	3.5
WNW	2.2	3.3	4.3									13.9	5.5
NW			5.7	1.1								6.8	9.0
NNW		4.3	3.3									7.5	7.3
VARBL													
CALM												4.3	
	15.6	40.2	32.6	2.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 92

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

SURFACE WINDS

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

457 STATION NO. 11 LEONARD WOOD MC YEARS 74 MONTH NOV
STATION NAME ALL WEATHER CLASS 3300-0500
CONDITION HOURLY (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		1.1		1.1								2.2	6.0
NNE		1.1	1.1									2.2	6.5
NE		1.1	1.1									2.2	7.0
ENE		1.1										1.1	6.0
E													
ESE													
SE		2.2	4.4									6.7	6.7
SSE	4.4	4.4	3.3									12.2	4.5
S	1.1	7.8	5.6	1.1								15.6	6.6
SSW	2.2	6.7										8.9	4.0
SW	1.1											1.1	3.0
WSW		6.7	1.1									7.8	5.4
W		1.1	1.1									2.2	7.5
WNW	3.3	8.9	1.1									13.3	4.6
NW	3.3	2.2	4.4									10.0	5.6
NNW	3.3	1.1	2.2									6.7	4.7
VARBL													
CALM												7.8	
	10.9	45.6	25.6	2.2								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 97

U.S. 44L CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 457 FT LEONARD WOOD MO 77-91 NCV
 STATION NAME YEARS MONTHS
ALL WEATHER
 CLASS 0600-1800
 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	2.4	1.4	.4								6.4	5.1
NNE	.8	1.9	.4									3.1	4.9
NE	.7	1.2	.3									2.2	4.6
ENE	.7	1.4	.3									2.3	4.7
E	.7	1.4	.1									2.2	3.9
ESE	1.1	1.0	.7									2.6	4.8
SE	1.4	2.2	.8	.1								4.5	5.0
SSE	3.5	6.7	3.3	.5								14.0	5.3
S	2.6	4.5	4.5	2.3	.4							13.7	7.5
SSW	.4	1.9	1.6	.8	.1							5.3	7.4
SW	.4	1.5	2.2	.3								4.8	6.7
WSW	.5	2.3	1.8	.4	.1							5.2	7.2
W	1.1	3.4	1.4	1.0								6.6	6.4
WNW	.7	1.4	2.2	.5								4.5	7.3
NW	1.3	.3	1.4	.4								3.5	6.6
NNW	.4	1.6	1.9	.1								4.1	7.1
VARBL													
CALM												14.7	
	13.2	35.5	24.0	6.9	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 736

AL CLIMATOLOGY BRANCH
TAC
STATE SERVICE/MAC

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

SURFACE WINDS

STATION: LEONARD WOOD MC YEAR: 73-81 MONTH: NOV
STATION NAME: ALL WEATHER DATE: 9-30-11
CLASS: DOWNS (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	2.3	.4	.2								4.7	5.4
NNE	1.4	1.2	.5									3.7	4.5
NE	1.2	1.3	.9									4.3	4.8
ENE	.7	.9	.1									1.7	4.1
E	.4	1.1	.4									2.3	4.5
ESE	.3	.5	.5	.4								2.3	5.9
SE	.7	1.9	1.3	.4								4.3	5.9
SSE	1.7	4.2	3.6	.7	.2							10.5	6.5
S	1.7	4.4	3.9	3.1	.7							13.7	8.4
SSW	.1	1.5	1.7	1.6	.9							5.3	10.3
SW	.2	1.6	2.2	2.8	.2							7.2	9.9
WSW	1.1	2.6	4.7	1.4	.6	.1						9.8	8.4
W	.5	1.3	1.7	1.7								5.8	8.5
WNW	.8	.9	2.5	1.4	.4							5.7	9.4
NW	.3	1.1	2.2	1.9	.2							5.9	9.4
NNW	.6	1.4	3.2	1.6	.2							7.3	6.7
VARBL													
CALM												5.8	
	13.7	30.4	29.2	17.2	3.6	.1						100.3	7.3

TOTAL NUMBER OF OBSERVATIONS 879

ALABAMA AERONAUTICAL SERVICE
STATION

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

SURFACE WINDS

STATION FT LEONARD WOOD MO YEARS 77-81 MONTHS NOV
CLASS ALL WEATHER
CONDITION 1200-1400
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	1.1	1.7	1.9	1.4								5.9	7.3
NNE	1.2	1.7	.6									3.6	4.3
NE	1.4	1.1	.1									2.5	3.7
ENE	.4	1.9	.1									2.4	4.6
E	1.1	1.2	.1									2.5	3.9
ESE	.2	.7	.4	.1								1.5	5.7
SE	.1	2.1	1.1	.4								3.7	6.5
SSE	1.1	2.1	1.1	.6	.1							5.1	6.4
S	1.1	2.1	3.1	4.2	1.1							11.6	9.9
SSW	.7	.9	3.6	2.6	.5	.4						6.4	10.7
SW	.7	1.7	1.9	2.2	.2							6.8	9.3
WSW	.7	2.1	2.0	3.2	.2							5.3	9.3
W	.7	2.1	2.9	3.3	.1	.1						5.3	9.5
WNW	1.1	.6	2.2	3.1	.4							7.3	10.5
NW	.5	1.2	3.0	2.2	.4							7.3	9.5
NNW	1.4	1.2	2.4	2.2	.2							7.4	8.6
VARBL													
CALM												6.3	
	13.4	24.4	26.4	25.7	3.3	.5						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 607

U.S. AIR FORCE
 CLIMATE DIVISION
 METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

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

STATION NO. 1451 STATION NAME FT LEOONA D WOOD MG YEARS 77-81 MONTHS NOV
 ALL WEATHER CLASS ALL WEATHER HOURS (L.S.T.) 1700-1700
 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	1.5	3.7	2.1	.6								2.1	3.1
NNE	1.7	2.2	.9									4.9	4.6
NE	.7	.9	.4									3.0	4.4
ENE	.4	1.1										1.3	4.1
E	1.2	1.1	.1									2.4	3.7
ESE	.5	1.4										1.9	4.1
SE	1.2	1.9	.7	.1								4.3	5.1
SSE	1.1	2.1	1.9	.6								5.7	6.5
S	1.1	3.6	4.7	2.7	.9	.4						17.4	6.7
SSW	.7	1.4	2.6	2.1	.4	.7						7.1	10.0
SW	1.2	1.2	1.6	1.0	.1							5.5	7.7
WSW	.6	1.7	2.4	.6								4.8	7.4
W	.6	1.9	3.9	2.5	.1							7.0	9.2
WNW	.7	1.6	3.1	1.2	.7							7.6	8.9
NW	.6	1.1	2.2	1.6	.1							5.7	6.9
NNW	1.4	1.2	2.4	1.5								6.5	7.7
VARBL													
CALM												17.6	
	10.4	27.4	29.7	14.7	2.4	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 304

CLIMATE BUREAU - A-10-
7-10
DATA SERVICE 7-11

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

SURFACE WINDS

STATION 45 STATION NAME LEONARD WOOD MO YEARS 77-81 MONTH NORTH 1977-1981 HOURS (L.S.T.)

ALL WEATHERS

CLAR

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	2.5	1.4	.3								5.9	5.1
NNE	1.4	1.5	.9									4.2	4.5
NE	.1	2.1	.3									2.5	5.3
ENE	.2	1.4										1.3	3.7
E	1.4	.6	.1									2.1	3.2
ESE	1.4	.7	.5									1.6	4.3
SE	1.1	1.7	1.4	.3								4.5	5.0
SSE	.2	2.3	1.0	.8	.1							3.9	5.7
S	1.7	7.3	4.3	2.3		.2	.1					15.7	7.4
SSW	.5	1.1	1.5	.9	.1	.1						4.5	8.1
SW	.5	.9	.4	.4								2.3	6.5
WSW	1.3	1.2	.1	.3								2.4	5.1
W	1.3	4.7	1.0	.8	.1							7.4	5.9
WNW	.3	1.5	2.1	.8								5.3	7.3
NW	1.0	3.1	1.5	.5								6.2	6.3
NNW	.6	1.4	1.3	.4								3.7	6.6
VARBL													
CALM												18.4	
	19.4	35.0	18.9	7.4	.4	.4	.1					122.0	4.5

TOTAL NUMBER OF OBSERVATIONS 794

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 40 STATION NAME FT LEONARD WOOD MC YEARS 73-81 MONTH NOV

CLASS ALL WEATHER HOURS (LST) 1700-0000

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.0	2.0									7.0	1.0
NNE	1.4	2.0	.5									7.0	4.0
NE	1.4	1.1	.3									6.0	3.0
ENE	0.2	.0	.2									7.1	3.0
E	.2	.0	.2									1.2	4.0
ESE	.3	1.2	.3									1.9	4.0
SE	1.7	3.7	.6		.2							6.0	4.0
SSE	2.4	5.1	1.2	1.1		.2						10.1	4.0
S	1.2	5.1	5.3	1.9	.3							13.1	7.0
SSW	.3	1.7	2.4	1.7	.2	.3						6.8	4.0
SW	1.1	1.7	.3	.5								3.5	5.4
WSW	.6	1.1	.4	.5								2.9	5.4
W	1.9	2.9	1.2	1.7								7.8	6.0
WNW	.0	1.4	2.2	1.1								5.6	7.6
NW	.6	1.6	2.3	1.2	.2							5.0	8.7
NNW	.4	1.1	1.4	.6								5.7	7.0
VARBL													
CALM												13.0	
	17.1	34.4	21.4	10.2	.8	.5						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 645

U.S. CLIMATE BUREAU
 WASHINGTON, D.C.
 NATIONAL SERVICE AREA

SURFACE WINDS

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

STATION 1451 STATION NAME LEONARD WOOD MD YEARS 72-81 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	1.2	2.0	1.6	.5								1.2	5.7
NNE	1.3	1.7	.6									1.3	4.1
NE	.9	1.4	.4									1.2	4.0
ENE	.7	1.2	.1									1.2	4.1
E	.6	1.0	.2									1.1	4.0
ESE	.7	.7	.4	.1								1.1	4.0
SE	1.0	2.2	1.0	.2	.0							1.1	5.7
SSE	2.2	3.7	2.2	.7	.1	.1						1.2	5.0
S	1.4	4.5	4.2	2.7	.6	.1	.0					13.6	8.3
SSW	.6	1.0	2.3	1.6	.4	.2						6.4	9.7
SW	.3	1.0	1.4	1.2	.1							5.7	7.1
WSW	.3	1.0	1.0	1.0	.2	.1						5.7	7.0
W	1.0	2.6	2.0	1.8	.1	.1						7.5	7.5
WNW	.9	1.4	2.4	1.3	.3							6.7	8.4
NW	.7	1.0	2.3	1.3	.1							6.9	8.2
NNW	.3	1.4	2.1	1.1	.1							5.3	7.8
VARBL													
CALM												11.2	
	10.5	31.4	25.1	13.5	1.9	.3	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 4777

AL CLIMATOLOGY BRANCH
 AFMTC
 WEATHER SERVICE/MAN

SURFACE WINDS

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

457
 STATION

LEONARD WOOD MC
 STATION NAME

73-75
 YEARS

DEC
 MONTH

ALL WEATHER
 CLASS

1000-1200
 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 - 53	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	2.5	1.3								7.6	6.2
NNE													
NE													
ENE	1.7											1.3	3.0
E													
ESE													
SE		1.7										3.0	4.0
SSE	1.7	11.3	1.3									13.3	4.5
S		3.0	2.5	1.3								13.3	6.2
SSW			1.7									1.3	5.0
SW		1.7										1.3	5.0
WSW		2.5	2.5	1.3								6.3	7.2
W	1.7	3.0	6.3	2.5								13.3	7.7
WNW	1.7	2.5	1.3									5.0	5.3
NW		1.7	2.5	1.3								3.8	7.6
NNW	2.5		5.0	3.8								11.3	6.9
VARBL													
CALM												13.3	
	13.3	36.3	28.8	11.3								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATELOGY BRANCH
 140
 1400 SERVICE 7447

SURFACE WINDS

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

STATION 7457 STATION NAME FT LEONARD MOOD MO YEARS 78 DATE DEC
 CLASS ALL WEATHER MONTHS 000-0000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.7								6.7	12.6
NNE													
NE													
ENE													
E													
ESE													
SE		4.7										5.7	4.8
SSE		11.3	3.3									16.7	6.1
S		5.7	3.3									3.3	6.4
SSW													
SW	1.7		1.7									3.3	5.8
WSW	1.3	3.7	5.7									15.3	6.9
W	1.3	3.7	1.7									1.3	4.2
WNW		5.7	1.7									5.7	6.3
NW		1.7	5.7	1.7								8.3	8.6
NNW	1.7		3.7	1.7								6.7	7.8
VARBL													
CALM												15.0	
	10.0	38.3	26.7	12.0								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 40

U.S. AIR FORCE
CLIMATE DIVISION
AFMPC
WEATHER SERVICE/AFMPC

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

SURFACE WINDS

STATION: AF LEONARD WOOD MD YEARS: 71-81 FLD: 100-0800
STATION NAME: ALL WEATHER CLASS: 100-0800
CONDITION: NOV 81 (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	.0	3.3	3.2	.7								8.1	6.9
NNE	.4	1.0	.4									1.8	3.3
NE	.7	.9										1.6	3.7
ENE	1.0	.6	.1									1.7	3.3
E	1.2	1.7	.1	.1								3.2	4.4
ESE	.4	1.3										1.9	3.7
SE	.4	2.7	.6									3.2	5.1
SSE	1.3	4.9	6.1	.3								12.6	6.2
S	1.6	5.1	5.1	3.0	.1							14.3	7.6
SSW	.4	1.5	2.0	.7								4.6	7.3
SW	.4	2.0	1.5	1.0	.1							5.1	7.5
WSW	.4	3.3	1.7	.3	.1							6.4	6.6
W	1.2	1.7	2.2	.3								5.4	6.2
WNW	.4	2.3	2.7	1.3								6.2	7.6
NW	.4	1.5	2.5	1.7								6.1	8.7
NNW	.4	1.2	2.6	1.5								5.1	8.3
VARBL													
CALM												11.0	
	10.3	34.5	59.2	11.0	.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 689

U.S. AIR FORCE
CLIMATOLOGY BRANCH
AFSC
STATION SERVICE/MAO

SURFACE WINDS

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

STATION ST. LEONARD WOOD MO YEARS 73-81 MONTH DEC
 ALL WEATHER CLIM 1900-1100
 CONDITION HOURLY (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	.7	1.5	3.1	2.5	.1							7.8	6.5
NNE	.8	1.2	.9									2.9	5.4
NE	.7	.4	.6									2.2	4.9
ENE	.4	.7	.5									1.5	5.4
E	.5	1.1	.2									1.8	4.7
ESE	.5	1.2	.1									1.3	4.2
SE	1.1	2.2	1.3									4.4	5.2
SSE	.7	3.3	3.6	1.4								9.1	7.3
S	.8	3.1	4.0	3.0	.4	.1						13.4	9.5
SSW		1.5	2.8	1.9	.2	.1						6.8	9.6
SW	.1	2.2	3.2	2.4	.2	.1						5.3	9.3
WSW	.2	1.9	1.6	2.2	.2							5.1	9.2
W	.4	1.6	2.3	1.2								5.6	8.1
WNW	.5	1.3	2.6	1.7	.1							5.5	8.2
NW	.4	1.4	2.4	2.5	.4							7.1	9.9
NNW	1.0	2.5	3.3	2.5	.2							9.6	8.4
VARBL													
CALM												6.2	
	.9	25.1	34.4	20.1	1.9	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 836

GENERAL CLIMATOLOGY BRANCH
 AFCEYAC
 WEATHER SERVICE/MAC

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

SURFACE WINDS

457 STATION NAME FT LEONARD WOOD MO 73-81 YEARS DEC MONTHS 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	1.4	3.0	2.0	.1							6.1	5.6
NNE	.4	1.1	.4	.2								2.2	5.9
NE	.1	1.1	.6	.2								2.4	5.5
ENE	.4	.7	.2									1.1	5.0
E	.4	.7										1.1	3.7
ESE	.2	1.0										1.2	4.4
SE	.4	1.0	1.0	.1								3.0	6.2
SSE	.2	2.2	2.4	1.0								6.5	7.7
S	.4	1.0	2.3	4.3	1.0							10.5	10.7
SSW	.0	1.4	4.7	1.0	.2							7.1	8.9
SW	.1	2.0	3.2	1.8	.5	.2						5.4	9.2
WSW	.0	1.3	2.0	2.3	.1							3.7	9.1
W	.0	1.0	2.7	3.8	.4							7.3	9.7
WNW	.4	1.2	2.5	2.3	.1							6.5	9.6
NW	.2	1.3	3.3	2.7	.5	.1						6.7	9.7
NNW	.4	1.3	4.4	1.6	.6							8.2	9.4
VARBL													
CALM												7.2	
	.1	21.2	34.6	24.3	3.5	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 037

RECEIVED: 10/15/11 11:00 AM

STATION: SERVICE 17

SURFACE WINDS

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

STATION: 457 STATION NAME: LEONARD 4000 MC YEARS: 77-81 MONTH: DEC
CLASS: ALL WEATHER PERIOD: 1970-1971
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	1.2	2.5	3.5	1.4	.1							4.8	7.2
NNE		.7	1.2	.1								2.3	7.4
NE	.7	1.2										1.9	3.0
ENE	.0	1.1	.1	.1								1.9	4.6
E	1.0	.0										1.2	5.1
ESE	.4	.4	.2									1.2	4.7
SE	.4	1.4	.2									2.6	4.6
SSE	1.1	2.3	3.2	.8								7.3	7.0
S	1.7	4.7	4.7	3.5	.6							14.0	8.8
SSW	.0	1.7	2.6	1.7	.4							6.2	6.4
SW	.0	.6	3.0	1.1	.1	.2						5.4	4.0
WSW	.2	1.7	1.9	.6		.1						4.7	7.0
W	.4	2.6	2.0	1.7	.1							6.7	8.3
WNW	.2	1.7	2.6	1.7	.1							6.4	9.1
NW	1.2	1.7	2.8	2.2	.4	.1						6.3	6.0
NNW	.2	2.0	4.9	1.4	.4							4.6	8.7
VARBL													
CALM												11.6	
	10.3	26.7	33.1	15.6	2.2	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 834

U.S. AIR FORCE
 CLIMATE DIVISION
 CLIMATOLOGY BRANCH
 AFAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-91 NORTH DEC
 1977-1981
 HOURS (L.S.T.)
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.3	3.4	3.2	1.1								10.0	6.3
NNE	.2	.6	.6									1.0	5.7
NE	.5	1.0	.5									2.0	4.9
ENE	.2	.7	.4									1.3	4.3
E	1.3	.1	.2									1.7	3.4
ESE	1.7	.5	.5									3.1	4.4
SE	.5	1.1	.6	.2								2.3	5.1
SSE	1.9	3.7	3.3	1.6								10.4	6.7
S	1.0	6.6	4.8	3.5								16.7	7.4
SSW	.2	1.8	2.1	1.2	.1							5.7	8.1
SW	.2	1.7	1.3	.1								3.4	6.5
WSW	.5	1.1	.5	.4	.1							2.6	7.1
W	.4	1.2	.9	.5								3.5	6.7
WNW	1.0	1.0	1.6	.9	.2							4.9	7.6
NW	1.1	2.3	1.3	.9	.2	.1						6.0	7.3
NNW	1.0	2.5	2.2	2.1	.7							5.1	8.5
VARBL													
CALM												10.6	
	15.4	30.2	24.2	12.5	1.0	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 819

AL CLIMATOLOGY BRANCH

STATION USE ONLY

SURFACE WINDS

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

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

081
MONTH

ALL WEATHER
CLASS

2100-2300
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	4.7	3.1	1.4								1.0	6.0
NNE	.2	1.5	.3									2.1	5.7
NE	.2	1.4	.2									1.7	4.0
ENE	1.4	.3	.3									2.1	4.0
E	.7	.7										1.4	3.4
ESE	.3	.7	.5									1.5	4.3
SE	1.4	1.4	1.2	.2								4.1	5.1
SSE	1.0	4.0	3.6	.2								9.6	6.2
S	1.3	4.1	6.0	4.1								15.9	8.4
SSW	.3	2.7	2.2	.5								5.6	7.3
SW	.3	1.5	2.2									4.3	6.6
WSW	.9	1.9	.9	.2	.2							4.0	6.2
W	.7	2.4	1.7	1.0	.2	.2						5.0	7.0
WNW	.3	.7	1.5	.5	.2							3.4	5.0
NW	.7	.7	.9	1.2	.5							4.1	5.7
NNW	.3	1.5	4.3	1.4	.2							8.2	6.3
VARBL													
CALM												15.6	
	12.4	30.3	29.0	10.7	1.2	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 582

1
CENTRAL CLIMATOLOGY BRANCH
AFH/AC
METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

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

STATION 1457 FT L HOWARD WOOD MO STATION NAME 73-81 YEARS MONTH DEC
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.6	3.8	1.5	.1							1.7	7.4
NNE	.	1.	.6	.1								2.5	5.5
NE	.7	1.	.3	.0								1.9	4.7
ENE	.	.7	.7	.								1.7	4.4
E	.	.7	.1	.0								1.5	3.9
ESE	.	.	.2									1.6	4.7
SE	.	1.0	.4	.1								2.4	5.2
SSE	1.1	3.	3.6	.6								5.4	5.7
S	1.2	4.	4.0	3.5	.4	.7						14.5	6.3
SSW	.4	1.7	3.7	1.2	.2	.5						1.3	6.9
SW	.4	1.6	2.4	1.1	.7	.1						1.3	6.5
WSW	.5	1.5	1.5	1.5	.1	.0						5.7	5.5
W	.7	2.	2.0	1.5	.1	.7						6.3	6.1
WNW	.	1.4	2.2	1.3	.1							5.6	5.3
NW	.7	1.5	2.3	1.9	.3	.1						6.9	7.0
NNW	.7	2.	3.7	1.8	.3							6.4	6.6
VARIABLE													
CALM												11.2	
	11.2	24.7	31.0	16.0	1.7	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 4736

U.S. CLIMATOLOGY BRANCH
 NAT'L SERVICE/AL

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

SURFACE WINDS

457
 STATION

FT LEONARD WOOD MO
 STATION NAME

77-81
 YEARS

ALL
 CODE

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 - 53	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	2.3	.7	.7	.0						7.1	6.5
NNE	.7	1.3	.6	.1	.0							2.7	5.0
NE	1.1	1.3	.4	.0								2.8	4.5
ENE	1.1	1.7	.3	.0	.0							2.7	4.3
E	1.4	1.5	.5	.1	.0							3.5	4.5
ESE	.9	1.1	.4	.1	.0							2.5	4.7
SE	1.2	2.7	1.0	.3	.0	.0						4.5	5.3
SSE	2.1	3.4	2.3	.8	.0	.0						7.1	5.9
S	.7	4.4	4.3	2.3	.3	.0	.7					12.3	7.5
SSW	.7	1.8	2.5	1.6	.3	.1	.0					6.9	6.8
SW	.7	1.7	1.8	1.0	.2	.1	.0					5.4	3.7
WSW	.9	1.0	1.6	.7	.1	.0	.0					3.3	7.0
W	1.2	2.7	1.5	1.0	.1	.0	.0					7.2	7.5
WNW	.5	1.2	1.5	.8	.1	.0	.0					4.3	3.1
NW	.6	1.2	1.7	1.0	.1	.0						4.3	8.3
NNW	.7	1.7	2.1	1.1	.1	.0						3.6	8.0
VARBL													
CALM												13.2	
	17.2	30.8	25.2	11.7	1.5	.3	.0					100.2	6.1

TOTAL NUMBER OF OBSERVATIONS 54983

AL CLIMATOLOGY BRANCH
TAC
OFFICE SERVICE/TAC

SURFACE WINDS

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

STATION	FT LICKNATH WOOD MO	YEARS	77-81	ALL
STATION NAME		INSTRUMENT		NORTH
		CLASS		ALL
		CONDITION		HOURS (L.S.T.)
			CIG 100 TO 1400 FT W/ VSBY 1/2 MI OR MORE,	
			AND/OR VSBY 1/2 TO 1-1/2 MI W/CIG 100 FT OR MORE	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	5.2	1.7	.2							13.7	7.1
NNE	1.7	2.3	1.5	.2	.1							5.5	5.7
NE	1.7	2.5	.9	.1								5.4	4.0
ENE	1.7	2.1	.6	.1	.2							4.4	4.5
E	1.7	2.2	1.1	.2	.2							5.1	5.7
ESE	.7	1.4	.7	.2	.2							5.1	5.4
SE	1.1	1.7	1.4	.6								5.1	6.3
SSE	1.7	2.5	2.6	1.2	.3							.3	6.7
S	.7	2.7	2.9	1.9	.2							5.3	6.1
SSW	.7	.7	.5	.6	.1	.1	.2					1.9	6.1
SW	.4	.7	.5	.2	.2	.7						1.7	6.6
WSW	.7	.7	.4	.1	.1	.7	.1					1.8	6.4
W	.6	1.4	1.2	.9	.1	.2						4.2	7.9
WNW	.6	1.7	2.0	1.3	.2	.2						4.8	9.0
NW	.4	1.2	2.8	1.8	.2	.8						6.5	9.3
NNW	.6	2.5	3.8	1.7	.2	.1						3.0	8.5
VARBL													
CALM												10.3	
	16.4	30.9	26.2	12.7	1.4	.2	.2					100.3	6.7

TOTAL NUMBER OF OBSERVATIONS 7247

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 15 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING													
1800													
1500					91.0								92.6
1200													
1000													
900													
800													
700													
600													
500								97.4					98.1
400													
300													
200													
100													
0				95.4	96.9	98.3							100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

CEILING VERSUS VISIBILITY

STATION LEONARD WOOD STATION NAME

73-75

JA!

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-5-5

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	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 18000 ≥ 16000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 14000 ≥ 12000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 10000 ≥ 9000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 8000 ≥ 7000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 6000 ≥ 5000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 4500 ≥ 4000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 3500 ≥ 3000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 2500 ≥ 2000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 1800 ≥ 1500	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 1200 ≥ 1000	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 900 ≥ 800	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 700 ≥ 600	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 500 ≥ 400	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 300 ≥ 200	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0
≥ 100 ≥ 0	57.3 57.3	57.8 57.8	57.9 57.9	57.9 57.9	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0	58.0 58.0

TOTAL NUMBER OF OBSERVATIONS: 161

HEADQUARTERS CLIMATOLOGY BRANCH
 USAF ETAC
 AIRCRAFT SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 STATION NAME F. LEONARD WOOD MC

73-75

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1500
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 10000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 8000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 7000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 6000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 5000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 3500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 3000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 2500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 2000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1800	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1200	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 900	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 800	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 700	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 600	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 400	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 300	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 200	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 100	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 0	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5

TOTAL NUMBER OF OBSERVATIONS 185

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: FT LEONARD WOOD MO

73-81

YEARS

JA.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

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
NO CEILING	12.0	46.1	45.5	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	13.0	46.3	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	13.0	46.6	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	13.0	46.6	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	13.0	46.6	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000	13.3	47.5	48.1	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000	13.5	49.9	51.7	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	13.5	49.9	51.7	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	13.5	51.3	52.2	52.5	52.7	52.9	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1
≥ 7000	13.7	52.6	53.5	53.8	54.2	54.3	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5
≥ 6000	13.7	53.0	54.4	54.7	55.0	55.2	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
≥ 5000	13.9	54.7	55.3	55.8	56.2	56.3	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4500	14.1	56.4	57.3	57.7	58.1	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4000	14.3	57.0	57.9	58.2	58.6	58.9	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1
≥ 3500	14.6	58.1	59.1	59.5	59.9	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3000	14.7	59.6	60.7	61.2	61.7	62.2	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5
≥ 2500	14.9	61.2	62.3	62.8	63.6	64.1	64.2	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	15.5	64.4	65.5	66.1	67.0	67.6	67.8	67.8	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1
≥ 1800	15.5	64.6	65.8	66.3	67.3	67.8	68.1	68.2	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1500	15.7	67.2	68.5	69.1	70.8	71.4	71.8	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1200	15.8	69.0	70.4	71.1	72.8	73.4	73.9	74.1	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1000	16.0	71.4	73.1	73.9	76.0	76.6	77.3	77.4	77.8	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 900	16.0	73.3	75.4	76.2	78.4	79.1	79.7	79.8	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7
≥ 800	16.2	74.6	76.4	77.6	80.5	81.2	81.9	82.1	82.5	82.9	83.1	83.1	83.1	83.1	83.1	83.1
≥ 700	16.2	75.1	77.4	78.4	81.2	82.1	82.9	83.1	83.5	84.2	84.9	84.9	85.1	85.1	85.1	85.1
≥ 600	16.2	75.7	79.1	79.1	82.2	83.1	84.3	84.8	85.2	86.0	86.7	86.7	86.8	86.8	86.8	86.8
≥ 500	16.2	75.9	78.3	79.3	83.7	84.0	85.8	86.5	87.4	88.3	89.1	89.1	89.3	89.3	89.3	89.3
≥ 400	16.2	75.9	78.3	79.4	84.0	85.3	87.6	88.8	90.0	90.9	91.8	91.8	92.0	92.0	92.1	92.2
≥ 300	16.2	75.9	78.3	79.4	84.3	85.8	88.6	90.0	91.4	93.1	94.0	94.0	94.1	94.1	94.3	94.4
≥ 200	16.2	75.9	79.3	79.4	84.3	85.8	88.6	90.0	91.6	94.1	95.1	95.3	95.4	95.5	96.7	97.1
≥ 100	16.2	75.9	79.3	79.4	84.3	85.8	88.6	90.0	91.6	94.1	95.1	95.3	95.7	96.3	98.0	99.6
≥ 0	16.2	75.9	78.3	79.4	84.3	85.8	88.6	90.0	91.6	94.1	95.1	95.3	95.7	96.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 753

AFHAG CLIMATOLOGY BRANCH
AFHAG
AFHAG SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION 457 STATION NAME ST. LEONARD WOOD MO YEAR 73-81 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1920-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	1.1	47.3	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 18000	1.1	47.4	43.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 16000	1.1	47.4	43.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 14000	1.1	47.6	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 12000	1.1	47.3	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 10000	1.1	52.5	54.2	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	1.1	52.5	54.2	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	1.1	55.0	56.7	57.2	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	1.1	57.4	59.1	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 6000	1.1	57.5	59.3	59.8	60.2	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 5000	1.1	58.3	60.0	60.6	61.1	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4500	1.1	59.0	61.0	61.8	62.3	62.8	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4000	1.1	59.1	61.2	62.1	62.6	63.1	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 3500	1.1	60.9	63.0	63.9	64.4	64.8	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 3000	1.1	62.3	64.5	65.8	66.3	66.7	66.9	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5
IV 2500	1.1	63.6	65.9	67.3	67.8	68.3	68.5	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1
IV 2000	1.1	65.2	67.7	69.3	70.1	70.7	70.9	71.4	71.4	71.4	71.5	71.7	71.7	71.7	71.7	71.7
IV 1800	1.1	65.7	68.3	69.9	70.8	71.5	71.8	72.2	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.5
IV 1500	1.1	65.1	72.1	73.8	75.2	76.2	77.2	77.6	77.6	78.0	78.3	78.3	78.3	78.3	78.3	78.3
IV 1200	1.1	70.5	74.2	76.2	77.8	78.8	79.9	80.5	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2
IV 1000	1.1	72.0	76.3	78.6	80.3	81.5	82.5	83.4	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 900	1.1	72.6	77.3	79.5	81.2	82.4	83.7	84.6	84.9	85.2	85.5	85.8	85.8	85.8	85.8	85.8
IV 800	1.1	72.8	77.5	79.8	81.5	82.8	84.2	85.0	85.6	85.9	86.2	86.5	86.5	86.5	86.5	86.5
IV 700	1.1	73.1	77.9	80.3	82.5	83.9	85.5	86.4	87.1	87.3	87.8	88.0	88.0	88.0	88.0	88.0
IV 600	1.1	73.3	78.1	80.9	83.5	84.8	86.6	87.6	88.5	88.8	89.2	89.7	89.8	89.8	89.8	89.8
IV 500	1.1	73.4	78.2	81.0	83.7	85.2	87.8	88.9	90.0	90.3	91.3	92.0	92.1	92.1	92.1	92.1
IV 400	1.1	73.4	78.2	81.2	84.0	85.9	88.8	90.3	92.0	93.4	94.0	94.7	95.0	95.1	95.1	95.1
IV 300	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	92.8	94.4	95.1	96.1	96.7	96.9	96.9	96.9
IV 200	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	93.1	94.6	95.3	96.8	97.7	98.1	98.3	98.6
IV 100	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	93.1	94.6	95.5	97.0	98.1	98.4	99.2	99.9
IV 0	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	93.1	94.6	95.5	97.0	98.1	98.4	99.2	99.9

TOTAL NUMBER OF OBSERVATIONS 536

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

457 STATION
FT LEONARD WOOD MD

73-81

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
NO CEILING	1.9	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	2.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	2.0	53.1	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	2.0	53.1	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	2.0	53.6	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	2.0	54.6	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	2.0	55.3	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	2.0	55.3	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	2.0	55.5	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000	2.0	55.6	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	2.0	55.9	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 5000	2.0	56.6	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	2.0	56.2	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	2.0	56.3	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3500	2.0	55.3	56.1	56.4	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3000	2.0	56.1	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2500	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 2000	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 1800	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 1500	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 1200	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 1000	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 900	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 800	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 700	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 600	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 500	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 400	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 300	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 200	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 100	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 0	2.0	56.5	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4

TOTAL NUMBER OF OBSERVATIONS 634

U.S. AIR FORCE
 FEDERAL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MO
 STATION NAME

73-81
 YEARS

1973
 YEAR

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	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	1.0	45.3	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	2.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 18000	2.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	2.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 14000	2.3	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	2.3	53.6	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	2.3	54.3	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 9000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 8000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 7000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1800	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1600	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1400	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1200	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 900	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 800	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 700	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 600	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 400	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 300	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 200	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 100	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9

TOTAL NUMBER OF OBSERVATIONS 537

7
 NATIONAL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 FT LEONARD WOOD MO
 STATION NAME

73-81
 YEARS

JAN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1920-1980
 YEARS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.6	48.6	48.6	48.8	48.8	48.8	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	23.7	51.5	51.5	51.5	51.5	51.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	23.7	51.8	51.8	51.8	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	23.7	51.8	51.8	51.8	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 14000	24.1	52.4	52.4	52.4	52.4	52.4	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	24.5	52.8	52.8	52.8	52.8	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	25.4	57.7	57.7	57.9	57.9	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	25.4	57.5	57.5	57.9	57.9	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000	26.4	59.9	59.9	59.9	59.9	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000	27.1	60.8	60.8	60.8	60.8	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 6000	27.5	61.7	61.7	61.7	61.7	61.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	28.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	28.5	66.5	66.5	66.5	66.5	66.5	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4000	28.5	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	29.5	67.8	67.8	68.2	68.2	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	29.1	70.5	70.5	71.9	71.9	71.9	71.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 2500	30.4	73.2	73.2	73.6	73.7	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2000	31.1	75.7	75.7	77.2	77.7	77.7	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1800	31.1	77.7	77.7	78.2	78.7	78.7	78.7	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500	31.5	81.8	81.9	82.3	83.0	83.1	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1200	31.7	82.5	82.7	83.0	83.8	83.9	84.1	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	31.7	84.5	84.6	85.0	85.9	86.1	86.6	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	31.7	84.6	84.8	85.1	86.0	86.4	86.9	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 800	31.7	85.4	85.5	85.9	87.4	87.7	88.5	89.1	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	31.7	85.5	85.7	86.2	88.2	88.6	89.5	90.1	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	31.7	86.1	86.2	86.9	89.5	89.8	90.8	91.7	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	31.7	86.5	86.7	87.4	90.3	90.8	91.9	92.9	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.3
≥ 400	31.7	86.5	86.7	87.4	90.7	91.2	92.4	93.6	94.5	95.4	95.5	95.7	95.7	95.7	95.7	95.7
≥ 300	31.7	86.5	86.7	87.5	90.8	91.6	92.9	94.2	95.3	96.3	96.7	96.8	96.8	96.8	96.8	96.8
≥ 200	31.7	86.5	86.7	87.5	90.8	91.9	93.6	94.9	96.2	97.9	98.3	98.5	98.5	98.5	98.5	98.5
≥ 100	31.7	86.5	86.7	87.5	90.8	91.9	93.6	94.9	96.2	98.1	98.6	98.9	98.9	99.4	99.4	99.4
≥ 0	31.7	86.5	86.7	87.5	90.8	91.9	93.6	94.9	96.2	98.1	98.6	98.9	98.9	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 827

LOCAL CLIMATOLOGY BRANCH
 REPORT
 METEOROLOGICAL SERVICE/440

CEILING VERSUS VISIBILITY

STATION
 73-61

STATION NAME
 FT LEONARD 4000 MO

73-61

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21.22-24.00
 MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	51.6	49.8	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2
≥ 20000	52.7	53.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5
IV 18000	52.4	53.0	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5
IV 16000	52.8	53.7	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5
IV 14000	53.1	53.3	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8
IV 12000	53.1	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
IV 10000	55.6	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1
IV 9000	55.6	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1
IV 8000	57.3	61.7	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2
IV 7000	57.9	62.4	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
IV 6000	57.9	63.0	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.5
IV 5000	59.2	65.0	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5
IV 4500	59.7	67.8	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
IV 4000	59.5	68.0	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
IV 3500	40.0	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8
IV 3000	41.7	72.8	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3
IV 2500	42.6	74.2	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.7
IV 2000	43.1	76.0	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.0
IV 1800	43.1	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.6
IV 1500	43.7	81.5	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.4	83.4	83.4
IV 1200	43.7	82.1	82.6	82.7	83.5	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3
IV 1000	43.7	85.2	85.7	85.8	86.6	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.7	87.7	87.7
IV 900	43.9	85.7	86.3	86.5	87.4	87.6	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5
IV 800	43.9	86.2	86.9	87.1	88.6	88.6	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.9	89.9	89.9
IV 700	43.9	86.6	87.6	87.9	89.4	89.6	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.9	90.9	90.9
IV 600	43.9	86.8	88.7	88.3	90.2	90.5	91.1	91.1	91.6	91.6	91.6	91.6	91.6	92.0	92.0	92.0
IV 500	43.9	87.1	89.3	89.0	91.3	91.3	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.8	92.8	92.8
IV 400	43.9	87.1	89.3	89.0	91.3	91.3	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.8	92.8	92.8
IV 300	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9
IV 200	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9
IV 100	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9
IV 0	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9

TOTAL NUMBER OF OBSERVATIONS 1543

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

STATION 4487 FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE 157

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
NO CEILING	12.5	46.8	47.2	47.3	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	13.1	50.6	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5
IN 18000	13.1	50.7	51.2	51.3	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IN 16000	13.1	50.7	51.2	51.3	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IN 14000	13.2	51.3	51.7	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IN 12000	13.3	52.3	52.7	52.9	53.0	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 10000	13.3	55.9	56.5	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IN 9000	13.5	56.0	56.6	56.8	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IN 8000	14.3	57.9	58.5	58.7	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IN 7000	14.5	58.1	59.7	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IN 6000	14.6	59.7	60.3	60.5	60.7	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IN 5000	14.7	60.9	61.3	61.7	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IN 4500	15.7	62.6	63.3	63.6	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IN 4000	15.1	62.9	63.5	64.0	64.2	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7
IN 3500	15.2	64.4	65.1	65.4	65.8	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
IN 3000	15.6	66.6	67.5	67.9	68.4	68.6	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IN 2500	15.9	68.4	69.3	69.8	70.3	70.5	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IN 2000	16.2	71.1	72.2	72.9	73.8	74.0	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
IN 1800	16.3	71.6	72.9	73.6	74.5	74.8	75.1	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IN 1500	16.4	73.3	76.6	77.6	78.9	79.3	79.9	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4
IN 1200	16.5	76.5	77.9	79.1	80.7	81.2	81.8	82.1	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.6
IN 1000	16.5	78.4	80.1	81.4	83.3	83.9	84.8	85.2	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1
IN 900	16.6	79.3	80.9	82.2	84.4	85.0	85.9	86.3	86.9	87.2	87.3	87.3	87.4	87.4	87.4	87.4
IN 800	16.6	79.5	81.5	82.9	85.4	86.1	87.2	87.6	88.2	88.7	88.9	88.9	89.0	89.0	89.0	89.0
IN 700	16.6	79.9	82.0	83.6	86.3	87.2	88.4	88.9	89.5	90.1	90.3	90.4	90.5	90.5	90.5	90.5
IN 600	16.6	80.2	82.3	84.0	87.1	88.0	89.3	90.0	90.9	91.5	91.7	91.9	91.9	91.9	91.9	91.9
IN 500	16.6	80.3	82.6	84.3	87.7	88.7	90.4	91.1	92.3	93.0	93.4	93.6	93.7	93.7	93.7	93.7
IN 400	16.6	81.3	82.8	84.4	88.0	89.2	91.1	92.3	93.8	94.8	95.2	95.4	95.6	95.6	95.6	95.6
IN 300	16.6	81.4	82.6	84.5	88.1	89.4	91.5	92.8	94.5	95.7	96.3	96.6	96.8	96.9	96.9	96.9
IN 200	16.6	81.4	82.6	84.5	88.2	89.5	91.6	93.1	95.0	96.5	97.1	97.5	97.9	98.1	98.5	98.6
IN 100	16.6	81.4	82.6	84.5	88.2	89.5	91.6	93.1	95.0	96.6	97.2	97.7	98.1	98.5	99.2	99.8
IN 0	16.6	81.4	82.6	84.5	88.2	89.5	91.6	93.1	95.0	96.6	97.2	97.7	98.2	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 5079

CEILING VERSUS VISIBILITY

~~SECRET~~

~~SECRET~~

TOTAL NUMBER OF OBSERVATIONS 167

7
JUNIOR CLIMATOLOGY BRANCH
STATION
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 17457 FT LEONARD WOOD MO

73-76,80

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

321-7500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.3	33.9	41.4	41.4	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 18000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 16000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 14000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 10000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 9000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 8000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 7000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 6000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 5000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 4500	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 4000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 3500	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 3000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 2500	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 2000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 1800	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 1500	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 1200	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 1000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 900	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 800	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 700	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 600	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 500	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 400	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 300	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 200	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 100	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 0	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9

TOTAL NUMBER OF OBSERVATIONS 192

U.S. AIR FORCE CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/FAO

CEILING VERSUS VISIBILITY

STATION 457 LEONARD WOOD M.
STATION NAME

73-81

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5600-5800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	12.7	40.3	47.7	41.6	42.4	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	13.1	43.1	44.7	44.7	45.5	45.5	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	13.1	43.1	44.7	44.7	45.5	45.5	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 16000	13.1	43.1	44.7	44.7	45.5	45.5	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	13.1	43.3	44.5	45.3	45.8	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 12000	13.2	44.0	45.7	45.6	45.5	45.5	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 10000	13.4	45.6	46.6	47.3	47.1	47.1	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	13.4	45.6	46.6	47.3	47.1	47.1	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	13.5	46.4	49.7	50.0	50.8	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 7000	13.5	46.2	49.7	50.4	51.2	51.2	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 6000	13.7	49.7	53.7	51.8	52.7	52.7	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 5000	13.7	51.1	52.3	53.4	54.4	54.4	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	14.2	53.1	54.2	55.3	56.4	56.5	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4000	14.3	53.7	54.9	56.3	57.1	57.2	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 3500	14.4	54.9	56.1	57.2	58.7	58.9	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3000	14.4	56.0	57.2	58.3	60.1	60.5	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 2500	14.9	57.1	58.6	59.9	61.7	62.1	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 2000	14.9	58.4	60.1	61.4	63.5	63.9	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 1800	14.9	58.7	60.4	61.7	63.9	64.3	64.4	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 1500	15.4	61.0	62.9	65.1	68.0	68.4	68.8	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1200	15.4	62.9	64.9	67.0	70.0	70.4	71.0	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	15.5	67.3	69.6	72.1	75.5	76.0	77.0	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 900	15.5	66.1	70.7	73.2	76.8	77.5	78.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 800	15.5	69.7	72.2	74.9	78.7	79.6	80.7	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 700	15.5	69.1	72.8	75.7	79.8	80.7	82.0	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 600	15.5	69.2	73.3	76.6	81.2	82.2	84.2	85.4	85.6	85.8	86.0	86.0	86.1	86.1	86.2	86.2
≥ 500	15.5	69.3	73.4	76.8	81.7	83.2	85.8	87.2	88.0	89.0	89.4	89.4	89.5	89.5	89.6	89.6
≥ 400	15.5	69.5	73.6	77.1	82.4	83.9	86.8	88.7	90.3	91.4	91.6	91.8	92.0	92.0	92.1	92.1
≥ 300	15.5	69.5	73.6	77.1	82.4	83.9	87.2	89.4	91.4	92.9	93.7	93.7	94.0	94.0	94.4	95.0
≥ 200	15.5	69.5	73.6	77.1	82.4	83.9	87.5	89.6	92.1	93.7	94.7	94.8	95.5	95.6	96.2	97.1
≥ 100	15.5	69.5	73.6	77.1	82.6	84.1	87.6	90.2	92.6	94.4	95.4	95.5	96.3	96.6	97.3	99.6
≥ 0	15.5	69.5	73.6	77.1	82.6	84.1	87.6	90.2	92.6	94.4	95.4	95.5	96.3	96.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 734

AL CLIMATOLOGY BRANCH
 AF TAC
 AIRCRAFT SERVICE/NAO

CEILING VERSUS VISIBILITY

1457
 STATION

EL LONARDO WOOD MD
 STATION NAME

73-81
 YEARS

FILE
 NUMBER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1959
 PERIOD

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	4.2	41.5	42.5	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	4.2	44.6	45.8	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	4.2	44.8	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	4.2	44.9	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	4.2	45.0	46.2	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 12000	4.2	45.0	47.1	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	4.2	47.5	48.2	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 9000	4.2	47.5	49.3	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 8000	4.2	50.5	52.1	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 7000	4.2	51.7	53.3	54.3	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 6000	4.2	51.8	53.1	54.6	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	4.2	52.6	54.5	55.5	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 4500	4.2	53.3	55.5	57.0	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4000	4.3	54.6	56.7	58.0	59.3	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 3500	4.3	55.4	57.5	59.6	61.2	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3000	4.3	57.1	59.3	60.9	62.3	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 2500	4.4	58.8	61.2	63.0	64.7	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 2000	4.5	60.6	63.6	65.6	67.6	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 1800	4.6	60.9	64.2	66.1	68.2	68.8	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 1500	4.7	62.6	66.3	68.9	71.9	72.7	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 1200	4.7	64.3	68.5	71.7	75.3	75.1	76.8	77.0	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
≥ 1000	4.7	65.2	70.2	74.1	78.7	79.5	80.2	80.4	80.7	80.7	80.7	80.7	80.7	81.0	81.1	81.1
≥ 900	4.7	65.4	70.3	74.5	79.7	81.2	82.2	82.4	82.7	82.7	82.7	82.7	82.7	82.9	83.1	83.1
≥ 800	4.7	65.5	70.5	75.1	80.6	82.4	83.5	83.7	84.0	84.0	84.0	84.0	84.0	84.3	84.4	84.4
≥ 700	4.7	65.5	70.6	75.5	81.2	83.7	85.0	85.3	85.6	85.6	85.7	85.7	85.7	86.0	86.1	86.1
≥ 600	4.7	65.6	70.7	75.7	81.8	84.5	86.2	86.6	86.9	87.1	87.3	87.3	87.5	87.7	87.7	87.7
≥ 500	4.7	65.7	70.9	75.9	82.4	85.2	87.3	87.7	88.2	88.6	88.8	89.1	89.6	89.9	89.9	89.9
≥ 400	4.7	65.7	70.9	75.9	82.8	85.8	87.9	89.2	90.7	91.6	92.1	92.5	93.3	93.4	93.7	93.7
≥ 300	4.7	65.7	70.9	75.9	83.1	86.1	88.3	89.8	91.3	92.5	93.3	94.1	94.9	95.1	95.7	95.3
≥ 200	4.7	65.7	70.9	75.9	83.1	86.2	88.5	89.9	91.7	92.9	93.8	94.8	95.7	96.3	97.4	97.3
≥ 100	4.7	65.7	70.9	75.9	83.1	86.2	88.5	89.9	91.7	93.0	94.1	95.0	95.9	97.1	99.1	99.0
≥ 0	4.7	65.7	70.9	75.9	83.1	86.2	88.5	89.9	91.7	93.0	94.1	95.0	95.9	97.1	99.2	99.0

TOTAL NUMBER OF OBSERVATIONS 762

1. NAME OF STATION: FT LEOARD WOOD
2. TYPE OF STATION: SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: FT LEOARD WOOD
STATION NAME: FT LEOARD WOOD

73-81

YEAR

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	5.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥20000	5.1	51.5	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥18000	5.5	51.5	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥16000	5.5	51.6	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥14000	5.5	52.2	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥12000	5.7	53.0	53.6	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥10000	5.7	53.5	57.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥9000	5.7	53.6	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥8000	5.7	58.9	60.1	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥7000	5.7	58.8	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥6000	5.7	61.7	61.2	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥5000	5.7	61.4	62.7	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥4500	5.7	62.4	63.8	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥4000	5.7	63.6	65.1	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥3500	5.7	64.4	65.8	66.5	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥3000	5.7	67.1	68.6	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥2500	5.7	69.1	70.6	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥2000	5.7	70.6	72.5	74.2	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥1800	5.7	71.4	73.1	74.8	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥1600	5.7	73.2	75.7	78.2	80.3	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥1400	5.7	74.4	77.1	79.6	82.2	82.7	82.7	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥1200	5.7	75.5	78.1	81.1	84.4	85.0	85.0	85.0	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥1000	5.7	75.2	78.3	81.6	85.2	86.1	86.2	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥900	5.7	75.7	79.2	82.7	86.7	87.6	88.2	88.7	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
≥800	5.7	76.7	79.9	83.2	87.6	88.8	89.5	90.0	90.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6
≥700	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥600	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥500	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥400	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥300	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥200	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥100	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥50	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥20	5.7	76.1	79.6	83.3	88.2	89.2	89.9	90.7	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS 761

U.S. AIR FORCE
CLIMATE DIVISION

STATION - SERVICE / MAC

CEILING VERSUS VISIBILITY

STATION NAME
LEONARD WOOD AFB

73-61

FEET
MCM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.1	43.4	47.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 7000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 6000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 5000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 3500	7.1	65.7	68.4	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	7.3	65.7	68.4	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	7.3	65.7	68.4	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2000	7.3	65.7	68.4	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1800	7.3	65.7	68.4	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1500	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1200	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1000	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 900	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 800	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 700	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 600	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 500	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 400	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 300	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 200	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 100	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 0	7.4	66.9	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

TOTAL NUMBER OF OBSERVATIONS 757

U.S. AIR FORCE
CLIMATE SERVICE/AF

CEILING VERSUS VISIBILITY

STATION 14487 STATION NAME FT LEONARD 4000 MD

73-01

YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1950-1959
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 9000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 2500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 2000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1800	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1200	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 900	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 800	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 700	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 600	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 400	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 300	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 200	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 100	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 0	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS 741

LOCAL CLIMATOLOGY BRANCH
 AFCE/TAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 STATION FT LEONARD WOOD MC

73-81

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2000
 MONTHS

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	33.7	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	35.1	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	35.1	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	35.1	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	35.3	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	35.4	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	35.4	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 9000	35.4	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	38.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000	38.2	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	38.5	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	40.0	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4500	40.2	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	40.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 3500	40.7	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	66.7	66.7
≥ 3000	40.7	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 2500	41.5	69.3	69.3	69.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2000	42.1	72.4	72.4	72.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	42.3	72.8	72.8	72.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1500	42.4	76.4	76.4	76.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1200	43.4	79.8	79.8	79.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	44.2	80.9	80.9	80.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	44.2	83.4	83.4	83.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	44.2	84.1	84.1	84.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 700	44.2	84.4	84.4	84.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 600	44.2	85.0	85.0	85.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 300	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 200	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 100	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 0	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS 615

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

CEILING VERSUS VISIBILITY

STATION 1457 FT LEONARD WOOD MO

73-81

YEARS

FEET
MOONING

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	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	13.3	44.9	45.6	45.6	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	14.5	45.0	45.6	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	14.5	45.1	45.9	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 16000	14.5	45.1	45.9	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 14000	14.6	45.4	51.3	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	14.6	50.2	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	15.3	52.5	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	15.3	52.6	53.5	53.8	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	15.3	54.3	55.3	56.2	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	15.3	55.5	56.5	56.9	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	15.5	56.5	57.6	58.1	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	15.5	58.0	59.2	59.8	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4500	16.3	59.3	60.5	61.2	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	16.4	60.1	61.4	62.0	62.6	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 3500	16.6	61.3	62.5	63.2	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	16.7	62.8	64.2	64.9	65.8	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 2500	17.1	64.4	65.9	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2000	17.2	66.5	68.2	69.3	70.4	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1800	17.3	67.1	68.9	69.9	71.3	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1500	17.5	69.8	72.1	73.6	75.6	76.1	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7
≥ 1200	17.7	71.6	74.3	76.0	78.4	78.9	79.3	79.5	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9
≥ 1000	17.9	73.5	76.5	78.6	81.8	82.4	82.9	83.3	83.4	83.7	83.8	83.8	84.0	84.0	84.0	84.0
≥ 900	17.9	73.9	77.0	79.2	82.6	83.5	84.2	84.6	84.8	85.0	85.2	85.3	85.4	85.4	85.4	85.4
≥ 800	18.2	74.2	77.6	80.1	83.8	84.9	85.7	86.2	86.5	86.8	86.9	87.0	87.1	87.2	87.2	87.2
≥ 700	18.3	74.5	77.7	80.7	84.7	85.9	86.9	87.4	87.8	88.3	88.5	88.6	88.7	88.8	88.9	88.9
≥ 600	18.3	74.7	78.2	81.3	85.8	87.2	88.5	89.1	89.5	90.2	90.4	90.5	90.6	90.7	90.8	90.8
≥ 500	18.4	74.8	78.4	81.5	86.3	87.8	89.5	90.4	91.1	92.0	92.2	92.4	92.7	92.8	92.9	92.9
≥ 400	18.7	74.9	78.5	81.7	86.7	88.4	89.4	91.8	93.0	94.2	94.6	94.8	95.1	95.2	95.4	95.4
≥ 300	18.8	74.9	78.5	81.7	86.9	88.6	90.9	92.5	93.8	95.4	95.9	96.2	96.6	96.8	97.1	97.3
≥ 200	18.9	74.9	78.5	81.7	86.9	88.7	91.0	92.7	94.1	95.9	96.6	97.0	97.6	97.9	98.4	98.7
≥ 100	18.9	74.9	78.5	81.7	86.9	88.7	91.1	92.8	94.3	96.1	96.9	97.3	97.9	98.5	99.2	99.6
≥ 0	18.9	74.9	78.5	81.7	86.9	88.7	91.1	92.8	94.3	96.1	96.9	97.3	97.9	98.5	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 4735

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

405
STATION

FT LEONARD WOOD MO
STATION NAME

73,75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

5000-2,000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO RECORD	21.5	34.6	47.3	40.9	40.9	40.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	23.1	46.2	47.3	47.8	47.8	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	23.1	46.2	47.3	47.8	47.8	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	27.4	50.5	51.1	51.6	51.6	51.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 7000	27.4	50.5	52.2	52.7	52.7	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	27.4	53.6	55.4	55.9	55.9	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 5000	29.5	59.1	60.6	61.3	61.3	61.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	29.5	62.4	64.6	64.5	65.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4000	29.5	62.4	64.6	64.5	65.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3500	29.5	62.4	64.6	64.5	65.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3000	22.3	65.1	66.7	67.2	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	22.3	66.1	67.7	68.3	68.8	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 2000	33.3	70.4	72.0	72.6	73.1	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	33.3	72.0	73.7	74.2	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1500	34.6	76.9	78.5	79.1	79.6	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1200	34.6	76.9	79.1	79.6	81.2	81.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	34.6	76.9	81.2	81.2	83.3	83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	34.6	77.0	81.2	81.7	83.9	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	34.6	77.0	81.2	81.7	83.9	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 700	34.6	77.0	81.2	81.7	83.9	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 600	34.6	77.0	81.2	81.7	83.9	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 500	34.6	81.2	83.3	83.9	85.6	85.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 400	34.6	81.2	83.3	83.9	85.6	85.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 300	34.6	81.2	83.3	83.9	85.6	85.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 200	34.6	81.2	83.3	83.9	85.6	85.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 100	34.6	81.2	83.3	83.9	85.6	85.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 50	34.6	81.2	83.3	83.9	85.6	85.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 20	34.6	81.2	83.3	83.9	85.6	85.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6

TOTAL NUMBER OF OBSERVATIONS 186

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

437 STATION 77 LEONARD 4000 MD

73-75

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-510

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	32.2	31.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	32.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
18000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
16000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
14000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
12000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
10000	23.1	44.0	44.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.8	45.8	45.8
9000	23.1	44.0	44.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.8	45.8	45.8
8000	24.1	47.2	47.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5
7000	24.1	47.2	47.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5
6000	27.3	53.7	54.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.9	56.9	56.9
5000	27.3	53.7	54.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.9	56.9	56.9
4500	30.1	57.9	59.8	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.6	61.6	61.6
4000	30.1	57.9	59.8	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.6	61.6	61.6
3500	31.1	59.7	61.4	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.4	63.4	63.4
3000	31.1	59.7	61.4	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.4	63.4	63.4
2500	33.3	62.5	63.9	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.7	66.7	66.7
2000	33.3	62.5	63.9	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.7	66.7	66.7
1800	36.1	66.7	68.1	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.8	70.8	70.8
1500	36.1	66.7	68.1	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.8	70.8	70.8
1200	36.6	71.8	73.1	75.0	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.3
1000	36.6	71.8	73.1	75.0	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.3
900	36.6	71.8	73.1	75.0	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.3
800	37.0	74.5	75.9	77.8	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.1	80.1	80.1
700	37.0	74.5	75.9	77.8	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.1	80.1	80.1
600	37.0	74.5	75.9	77.8	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.1	80.1	80.1
500	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
400	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
300	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
200	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
100	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
0	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0

TOTAL NUMBER OF OBSERVATIONS 216

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

437
 STATION

FT LEONARD WOOD MO
 STATION NAME

73-81
 YEARS

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1600-0800
 HOUR

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	5.6	47.4	41.7	47.1	47.1	43.5	43.6	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	6.2	44.3	45.7	46.2	47.5	47.9	48.0	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	6.2	44.6	45.5	46.3	47.6	48.0	48.1	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 16000	6.2	44.6	45.5	46.3	47.6	48.0	48.1	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 14000	7.1	44.8	46.1	46.6	47.9	48.2	48.4	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 12000	7.2	45.7	47.1	47.5	48.9	49.2	49.4	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 10000	7.6	47.1	48.4	48.9	50.4	50.8	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 9000	7.6	47.1	48.4	48.9	50.4	50.8	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 8000	7.7	49.7	51.3	52.0	53.5	53.9	54.2	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	7.7	51.9	52.4	53.3	54.8	55.3	55.5	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	8.3	52.1	53.7	54.7	56.5	57.1	57.3	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 5000	8.7	53.9	55.4	56.4	58.6	59.1	59.4	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4500	9.7	56.5	59.1	59.1	62.0	62.5	62.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000	9.7	57.2	58.7	59.8	62.8	63.4	63.7	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3500	9.7	57.2	58.7	59.8	62.8	63.4	63.7	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3000	9.9	58.9	60.5	61.7	64.7	65.5	65.9	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	10.1	59.9	61.5	62.8	65.9	66.6	67.0	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 2000	10.7	62.7	64.8	66.0	69.3	70.0	70.4	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 1800	10.7	63.5	65.6	67.0	70.3	71.0	71.4	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1500	10.7	65.6	68.0	69.4	73.0	73.9	74.6	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1200	11.7	67.1	69.5	71.2	75.1	75.9	76.7	77.0	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1000	11.7	68.3	71.0	73.0	77.1	78.2	79.1	79.3	80.0	80.2	80.2	80.2	80.4	80.4	80.4	80.4
≥ 900	11.7	69.3	71.5	73.9	78.1	79.8	80.9	81.1	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.1
≥ 800	11.7	70.6	73.8	76.1	80.2	82.1	83.1	83.5	84.1	84.4	84.4	84.4	84.5	84.6	84.6	84.6
≥ 700	11.1	71.5	74.7	77.3	82.0	84.3	85.8	86.5	87.2	87.7	87.7	87.8	87.9	87.9	87.9	87.9
≥ 600	11.1	72.3	75.6	78.5	83.8	86.1	87.8	88.8	89.5	90.1	90.1	90.2	90.4	90.6	90.6	90.6
≥ 500	11.1	72.5	75.9	79.0	84.8	87.4	89.3	90.7	91.7	92.2	92.3	92.4	92.7	92.8	92.8	92.8
≥ 400	11.1	72.5	76.1	79.2	85.4	88.2	91.1	92.7	93.8	94.3	94.7	95.0	95.3	95.6	95.6	95.6
≥ 300	11.1	72.5	76.1	79.2	85.5	88.3	91.2	92.9	94.6	95.5	95.8	96.2	97.0	97.2	97.2	97.2
≥ 200	11.1	72.5	76.1	79.2	85.5	88.4	91.3	93.1	95.0	96.1	96.7	97.1	97.9	98.4	98.6	98.7
≥ 100	11.1	72.5	76.1	79.2	85.5	88.4	91.3	93.1	95.0	96.1	96.9	97.2	98.5	99.2	99.7	99.9
≥ 0	11.1	72.5	76.1	79.2	85.5	88.4	91.3	93.1	95.0	96.1	96.9	97.2	98.5	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 794

FEDERAL CLIMATOLOGY BRANCH
ETAC
STATISTICAL SERVICE/AC

CEILING VERSUS VISIBILITY

STATION

FI LEONARD 4000 AC

73-81

YEARS

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	3.2	45.4	45.9	46.5	47.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	3.7	51.6	52.3	52.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	3.7	53.4	54.3	54.9	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	3.7	53.5	54.4	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	3.7	56.4	57.4	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8
≥ 7000	3.7	57.5	58.4	59.2	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	3.7	57.7	58.7	59.3	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	3.7	59.3	60.5	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4500	4.3	60.8	61.9	62.6	63.6	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4000	4.3	61.5	63.0	64.0	64.9	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500	4.3	63.1	64.2	65.1	66.1	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3000	4.3	65.5	66.5	67.7	68.7	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 2500	4.4	67.4	68.5	69.6	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2000	4.4	69.2	70.7	72.1	73.4	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	4.4	69.8	71.3	72.8	74.1	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1500	4.4	72.5	74.5	76.5	78.0	78.2	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	4.4	73.8	75.3	76.2	80.0	80.2	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	4.4	75.3	79.6	80.8	83.2	84.1	84.6	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 900	4.4	75.8	79.3	81.9	84.8	86.0	86.5	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 800	4.4	76.8	80.4	83.2	86.7	88.3	88.9	89.3	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700	4.4	77.5	81.3	84.6	88.4	90.2	90.8	91.5	91.9	92.2	92.3	92.3	92.5	92.5	92.5	92.6
≥ 600	4.4	78.4	82.4	85.7	89.6	91.6	92.3	93.5	94.1	94.6	94.7	94.7	94.9	94.9	94.9	95.1
≥ 500	4.4	78.6	82.5	86.0	90.1	92.3	93.3	94.9	95.4	95.9	96.4	96.4	96.5	96.5	96.5	96.8
≥ 400	4.4	78.6	82.6	86.1	90.7	93.4	94.5	96.5	97.2	97.7	98.2	98.3	98.4	98.4	98.6	98.8
≥ 300	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.4	98.0	98.4	98.6	98.8	99.0	99.2	99.4
≥ 200	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.5	98.3	98.8	98.9	99.0	99.4	99.6	99.9
≥ 100	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.5	98.3	98.9	99.0	99.4	99.6	99.8	100.0
≥ 0	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.5	98.3	98.9	99.0	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 835

U.S. AIR FORCE
U.S. AIR FORCE
U.S. AIR FORCE

CEILING VERSUS VISIBILITY

4457 FT LEONARD WOOD MO

73-81

MAE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1222-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	4.3	45.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	4.4	51.6	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
≥ 18000	4.4	51.6	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
≥ 16000	4.4	51.6	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
≥ 14000	4.4	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000	4.5	52.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	4.5	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	4.5	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	5.3	53.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	5.3	53.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	5.3	57.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 5000	5.4	61.5	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	5.7	64.7	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
≥ 4000	5.7	65.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	6.2	67.2	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	6.2	70.3	71.4	71.5	71.7	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2500	6.5	72.8	73.9	74.3	74.4	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2000	6.5	76.4	77.6	78.3	78.8	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	6.5	77.2	78.5	79.3	79.8	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1500	6.5	79.7	81.7	82.7	83.6	84.2	84.3	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	6.5	81.1	84.1	85.5	86.8	87.4	87.6	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	6.5	82.1	85.3	87.6	89.1	89.8	90.1	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	6.5	82.4	85.8	88.4	90.1	90.8	91.1	91.7	91.9	92.0	92.1	92.1	92.1	92.2	92.2	92.2
≥ 800	6.5	82.4	85.9	89.0	91.1	91.9	92.3	92.9	93.1	93.3	93.5	93.5	93.8	93.8	93.8	93.8
≥ 700	6.5	82.7	86.4	89.6	92.2	92.9	93.4	94.1	94.3	94.6	94.9	94.9	95.2	95.2	95.2	95.2
≥ 600	6.5	82.8	86.6	90.1	93.2	94.0	94.6	95.5	95.6	96.1	96.4	96.4	96.8	96.8	96.8	96.8
≥ 500	6.5	82.9	87.1	90.6	93.9	95.0	95.6	96.5	96.8	97.2	97.7	97.7	98.1	98.1	98.1	98.1
≥ 400	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.5	97.7	98.2	98.7	98.7	99.0	99.0	99.0	99.0
≥ 300	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.6	98.0	98.4	98.9	99.0	99.4	99.4	99.4	99.4
≥ 200	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.7	98.2	98.7	99.2	99.3	99.6	99.6	99.6	99.6
≥ 100	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.7	98.2	98.7	99.2	99.3	99.6	99.6	99.6	99.6
≥ 0	6.5	83.0	87.2	90.9	94.7	95.8	96.4	97.8	98.3	98.8	99.3	99.4	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 434

USAF CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD
STATION NAME

73-81
YEAR

437
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15.0-17.0
FOOT

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	5.5	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000	5.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18 00	6.1	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	6.1	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	6.5	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000	6.6	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	6.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000	6.7	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	7.2	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	7.2	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	7.3	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	7.5	64.2	65.1	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	8.1	68.2	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4000	8.2	70.1	70.8	71.2	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	8.6	72.4	73.1	73.6	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	8.8	75.5	76.2	76.8	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2500	8.8	77.8	78.7	79.5	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	8.9	80.4	81.4	82.6	83.0	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	8.9	80.3	82.2	83.3	83.6	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	8.8	83.0	84.8	86.0	86.7	87.3	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	8.3	84.3	86.3	87.7	88.6	89.4	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	8.3	84.7	86.9	88.4	89.5	90.2	90.8	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	8.8	84.7	86.9	88.5	89.6	90.3	90.9	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	8.8	85.3	87.8	89.7	91.2	92.1	92.8	93.3	93.4	93.5	93.7	93.7	93.8	93.8	93.9	93.9
≥ 700	8.8	85.4	87.9	90.1	91.9	92.8	93.5	94.0	94.1	94.4	94.5	94.5	94.6	94.6	94.7	94.7
≥ 600	8.8	85.4	88.2	90.6	92.5	93.4	94.5	95.0	95.1	95.3	95.5	95.5	95.6	95.6	95.7	95.7
≥ 500	8.8	85.7	88.4	91.3	93.2	94.5	95.6	96.1	96.2	96.4	96.7	96.9	97.1	97.1	97.3	97.3
≥ 400	8.9	85.7	88.4	91.3	93.2	94.6	95.9	96.7	96.8	97.4	97.7	98.0	98.2	98.3	98.4	98.4
≥ 300	8.8	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	97.7	98.2	98.4	98.7	98.7	98.8	98.9
≥ 200	8.9	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	98.0	98.4	98.9	99.2	99.3	99.5	99.8
≥ 100	8.3	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	98.0	98.4	98.9	99.2	99.2	99.8	100.0
≥ 0	8.6	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	98.0	98.4	98.9	99.2	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 437

AL CLIMATOLOGY BRANCH
AFETAC
FATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

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	13.3	51.7	51.8	50.3	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	17.7	56.7	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	17.3	56.3	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	17.3	56.8	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	17.7	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	17.9	57.8	57.9	57.9	59.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	20.7	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	20.7	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 8000	21.3	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	21.2	64.0	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	22.3	66.1	66.4	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	23.3	68.4	68.9	69.1	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500	23.9	71.2	71.7	71.9	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	23.3	72.6	73.1	73.4	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	23.3	73.9	74.4	74.8	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	24.5	76.6	77.2	77.6	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500	24.6	78.6	79.2	80.0	80.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	25.0	81.5	82.2	83.0	83.3	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800	25.2	81.9	82.7	83.5	83.7	84.0	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	25.4	84.0	85.6	86.6	87.2	87.4	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200	25.5	85.3	87.0	87.9	88.6	88.9	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	25.6	86.6	88.4	89.5	90.3	90.7	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	25.6	87.7	89.8	89.8	91.7	91.0	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	25.6	87.2	89.7	90.2	91.1	91.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700	25.6	87.6	89.9	90.9	92.0	92.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	25.6	87.7	89.7	91.1	92.3	93.1	94.4	94.4	94.5	94.7	94.7	94.9	95.0	95.1	95.2	95.2
≥ 500	25.6	88.0	90.1	91.5	92.7	93.5	95.0	95.1	95.3	95.6	95.7	95.8	95.9	95.9	96.1	96.2
≥ 400	25.6	88.4	90.4	92.0	93.4	94.4	96.4	96.9	97.1	97.5	97.6	97.7	98.0	98.0	98.1	98.3
≥ 300	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.1	98.2	98.4	98.7	98.7	98.8	99.0
≥ 200	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.1	98.2	98.4	98.7	98.7	98.8	99.0
≥ 100	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.2	98.3	98.6	98.8	98.9	99.3	100.0
≥ 0	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.2	98.3	98.6	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 336

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

CEILING VERSUS VISIBILITY

4457
 STATION

LEONARD WOOD MD
 STATION NAME

73-51
 YEAR

4457
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1-73
 DATE

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	51.7	53.7	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	13.3	57.1	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	13.3	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	13.3	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 14000	13.3	57.7	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
≥ 12000	33.9	58.1	58.5	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
≥ 10000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4500	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2500	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1800	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1500	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1200	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 900	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 800	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 700	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 600	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 500	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 400	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 300	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 200	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 100	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 0	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3

TOTAL NUMBER OF OBSERVATIONS 702

LOCAL CLIMATOLOGY BRANCH
 ETAC
 METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO 75-81 YEAR 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	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	11.5	43.1	46.6	46.3	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	12.6	51.4	52.0	52.3	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000	12.6	51.6	52.2	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	12.6	51.6	52.2	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	12.6	52.0	52.5	52.8	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	12.7	52.6	53.2	53.5	53.6	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	13.4	54.9	55.5	55.7	56.1	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	13.4	54.9	55.5	55.8	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	14.0	57.6	56.2	56.5	56.9	56.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
≥ 7000	14.3	58.6	57.3	58.6	60.0	60.1	62.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 6000	14.7	60.2	61.0	61.4	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	15.1	62.5	63.3	63.7	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4500	15.7	65.0	65.8	66.3	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
≥ 4000	15.6	66.0	66.9	67.5	68.3	68.4	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	16.0	67.4	68.3	68.9	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2
≥ 3000	16.7	69.9	70.9	71.6	72.4	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
≥ 2500	16.8	71.6	72.7	73.5	74.3	74.6	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2000	17.1	74.5	75.8	76.8	77.8	78.1	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1800	17.3	75.1	76.5	77.5	78.5	78.9	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	17.5	77.6	79.5	80.6	81.9	82.3	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	17.5	79.0	81.1	82.4	84.0	84.4	84.9	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	17.6	80.1	82.5	84.1	85.9	86.5	87.1	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	17.6	80.6	83.0	84.9	86.8	87.5	88.1	88.3	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 800	17.6	81.2	83.7	85.9	88.1	89.0	89.6	89.9	90.0	90.3	90.4	90.4	90.4	90.6	90.6	90.6
≥ 700	17.6	81.6	84.3	86.6	89.2	90.2	90.9	91.4	91.6	91.9	92.0	92.0	92.0	92.2	92.2	92.2
≥ 600	17.6	82.0	84.9	87.4	90.2	91.3	92.3	92.9	93.2	93.6	93.7	93.7	93.9	93.9	94.0	94.0
≥ 500	17.6	82.4	85.3	87.9	90.9	92.2	93.4	94.2	94.6	95.0	95.2	95.3	95.5	95.6	95.6	95.7
≥ 400	17.6	82.5	85.5	88.1	91.5	93.0	94.5	95.6	96.0	96.5	96.8	96.9	97.2	97.2	97.3	97.4
≥ 300	17.6	82.5	85.5	88.2	91.6	93.1	94.7	95.9	96.4	97.0	97.4	97.6	97.9	98.0	98.1	98.1
≥ 200	17.6	82.5	85.5	88.2	91.6	93.2	94.8	96.0	96.6	97.3	97.7	98.0	98.3	98.6	98.7	98.8
≥ 100	17.6	82.5	85.5	88.2	91.6	93.2	94.8	96.0	96.6	97.5	98.0	98.3	98.7	99.0	99.3	99.7
≥ 0	17.6	82.5	85.5	88.2	91.6	93.2	94.8	96.0	96.6	97.6	98.1	98.3	98.7	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 5242

LOCAL CLIMATOLOGY BRANCH
 145
 DATA - SERVICE/440

CEILING VERSUS VISIBILITY

STATION 01457 ST LEONARD MOON MD

73.75

YEARS

82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

750-0

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	23.3	43.3	45.3	45.3	45.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 18000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 16000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 14000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 12000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 10000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 9000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 7000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 5000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 4500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 4000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 3500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 3000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 2500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 2000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1800	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1200	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 900	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 800	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 700	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 600	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 400	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 300	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 200	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 100	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 0	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4

TOTAL NUMBER OF OBSERVATIONS 15

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-21-2013 BY 60322 UCBAW/BAJ

73-37

AP:

72-1-1

TOTAL NUMBER OF OBSERVATIONS 23

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

U.S. AIR FORCE METEOROLOGICAL BRANCH
TAF
TAF SERVICE/NAF

CEILING VERSUS VISIBILITY

STATION 401 STATION NAME LEONARD 1000 MI

73-01

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

500-1000
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.2	40.1	43.1	48.6	44.7	48.8	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.2
≥20000	5.8	50.1	52.2	52.8	53.2	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥18000	5.5	51.6	52.7	53.4	53.7	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.3	54.3	54.3	54.3
≥16000	5.5	51.6	52.7	53.4	53.7	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.3	54.3	54.3	54.3
≥14000	5.5	51.6	52.7	53.4	53.7	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.3	54.3	54.3	54.3
≥12000	5.5	51.0	53.2	53.7	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.8	54.8	54.8	54.8
≥10000	5.7	54.8	57.1	57.7	58.1	58.2	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6
≥9000	5.7	54.8	57.2	57.9	58.2	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.8	58.8	58.8	58.8
≥8000	5.7	58.5	61.0	61.9	62.2	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.8	62.8	62.8	62.8
≥7000	5.7	62.5	63.2	64.2	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.1	65.1	65.1	65.1
≥6000	5.7	62.2	64.7	65.7	66.2	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.8	66.8	66.8	66.8
≥5000	5.1	54.8	67.4	68.7	69.3	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8
≥4500	6.1	60.5	69.7	71.5	71.5	71.6	71.8	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0
≥4000	6.1	67.4	71.1	71.4	72.6	72.7	72.8	72.8	72.8	72.9	72.9	72.9	73.1	73.1	73.1	73.1
≥3500	6.1	69.4	71.5	73.1	74.2	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7
≥3000	6.3	70.4	73.7	75.1	76.4	76.7	76.8	76.8	76.8	76.9	76.9	76.9	77.1	77.1	77.1	77.1
≥2500	6.5	71.6	75.0	76.3	78.0	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6
≥2000	6.5	73.2	77.1	78.5	80.5	80.8	80.9	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2
≥1800	6.5	73.5	77.4	78.9	80.9	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.6
≥1500	6.5	75.3	80.1	81.6	84.0	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.7	84.7	84.7	84.7
≥1200	6.5	77.3	81.3	83.2	85.4	85.7	85.8	85.8	85.8	86.1	86.1	86.1	86.2	86.2	86.2	86.2
≥1000	6.6	78.2	82.5	84.5	87.1	87.8	88.0	88.0	88.0	88.3	88.3	88.3	88.4	88.4	88.4	88.4
≥900	6.6	78.4	82.7	84.9	87.6	88.4	88.8	88.8	88.8	89.0	89.0	89.0	89.2	89.2	89.2	89.2
≥800	6.6	79.1	83.6	85.6	88.5	89.3	89.7	89.8	89.9	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥700	6.6	79.3	84.4	86.6	89.6	90.3	90.9	91.0	91.1	91.2	91.2	91.2	91.4	91.4	91.4	91.4
≥600	6.6	79.9	84.7	87.2	90.6	91.4	92.0	92.7	92.8	92.9	93.0	93.0	93.2	93.2	93.2	93.2
≥500	6.6	79.9	84.7	87.4	91.2	92.3	93.2	94.1	94.2	94.5	94.7	94.7	95.0	95.0	95.0	95.0
≥400	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥300	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥200	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥100	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥0	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 775

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

CEILING VERSUS VISIBILITY

STATION NO. LEONARD WOOD AFB
 STATION NAME

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

92-100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 20000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 18000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 16000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 14000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 12000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 10000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 9000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 8000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 7000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 6000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 5000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 4000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 3500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 3000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 2500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 2000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1800	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1200	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 900	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 800	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 700	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 600	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 400	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 300	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 200	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 100	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 0	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8

TOTAL NUMBER OF OBSERVATIONS 11

AL CLIMATOLOGY BRANCH
1210
DATA SERVICE/NA

CEILING VERSUS VISIBILITY

457
STATION

LEONARD WOOD MC
STATION NAME

73-81

YEARS

APR
1954

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1247-146
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	6.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 20000	6.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	6.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	6.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 14000	4.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 12000	6.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 10000	7.2	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	60.1	60.1
IV 9000	7.2	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	60.1	60.1
IV 8000	7.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	7.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 6000	7.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	7.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4500	7.3	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 4000	7.3	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	71.6	71.6
IV 3500	7.5	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 3000	4.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	8.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000	8.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1800	8.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500	8.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200	8.0	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1000	8.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 900	8.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 800	8.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 700	8.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 600	8.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500	8.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	8.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 300	8.0	93.1	93.1	93.1	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 200	8.0	93.1	93.1	93.1	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 100	8.0	93.1	93.1	93.1	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 0	8.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS 11

U.S. AIR FORCE
 METEOROLOGICAL BRANCH
 AFM-ETAC
 METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 ST LEONARD WOOD MO

73-81

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	6.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	7.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	7.1	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	7.1	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	7.1	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000	7.2	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	7.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	7.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000	7.2	65.7	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	7.2	65.3	65.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	7.2	67.4	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 5000	7.3	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4500	7.4	72.2	72.7	72.7	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	7.7	77.5	77.5	77.5	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	7.7	78.9	79.4	79.4	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	8.1	85.4	85.9	85.9	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2500	8.5	87.4	87.9	87.9	88.6	88.8	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	8.5	88.9	89.5	89.8	90.5	90.6	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	8.5	89.5	90.2	90.5	91.4	91.5	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	8.5	91.2	92.7	93.0	94.0	94.2	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	8.5	91.4	93.1	93.2	94.6	94.8	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	8.5	92.1	93.8	94.2	95.6	95.9	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	8.5	92.1	93.8	94.2	95.6	95.9	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	8.5	92.2	94.3	94.3	95.6	96.2	96.7	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	8.5	92.7	94.4	94.9	96.5	96.9	97.5	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	8.5	93.0	94.7	95.2	96.8	97.3	97.9	98.1	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	8.5	93.1	94.9	95.6	97.2	97.7	98.3	98.5	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	8.5	93.1	94.9	95.6	97.3	97.8	98.4	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 512

U.S. AIR FORCE CLIMATOLOGY BRANCH
 1770
 EATON SERVICE/MAC

CEILING VERSUS VISIBILITY

457 STATION F. LEONARD WOOD MD
 STATION NAME

73-81

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1600-2000
 HOUR

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	14.3	40.6	44.6	48.6	48.6	43.6	48.6	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	15.7	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	15.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	15.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	15.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	15.7	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	57.8	57.8
≥ 10000	17.1	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
≥ 9000	17.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	17.7	66.7	66.7	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	18.3	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	18.7	70.3	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 5000	18.4	73.5	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4500	18.5	76.0	76.1	76.1	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4000	18.7	78.5	78.6	78.6	78.6	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	19.1	81.1	81.2	81.2	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000	19.3	85.0	85.5	85.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	19.4	86.9	87.6	87.8	88.9	89.0	89.2	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	19.9	89.1	90.1	90.4	91.8	92.0	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	19.9	89.6	90.6	90.9	92.3	92.5	92.8	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	20.0	91.0	92.1	92.5	93.9	94.2	94.7	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	20.1	91.8	93.1	93.4	95.2	95.4	95.9	96.0	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	20.1	92.6	93.9	94.3	96.0	96.3	96.8	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	20.1	92.6	93.9	94.3	96.0	96.4	96.9	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	20.1	92.8	94.3	94.8	97.5	97.4	97.9	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	20.1	93.0	94.4	95.2	97.4	97.8	98.3	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	20.1	93.0	94.4	95.3	97.5	97.9	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	20.1	93.0	94.4	95.3	97.5	98.0	98.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	20.3	93.1	94.6	95.4	97.7	98.1	99.0	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	20.3	93.1	94.6	95.4	97.7	98.1	99.0	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	20.3	93.1	94.6	95.4	97.7	98.1	99.0	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	20.3	93.1	94.6	95.4	97.7	98.1	99.1	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	20.3	93.1	94.6	95.4	97.7	98.1	99.1	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 609

LOCAL CLIMATOLOGY BRANCH
ETAC

WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ST. LEONARD WOOD RD

73-81

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2000
AUGUST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	57.5	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	38.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	28.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000	23.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000	28.7	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 12000	39.2	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 10000	40.5	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 9000	40.7	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000	41.1	66.5	66.5	66.5	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 7000	41.4	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	41.4	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	42.2	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500	43.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4000	44.6	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500	44.9	80.3	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000	45.4	84.2	84.2	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	46.4	86.2	86.2	86.2	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	47.3	89.4	89.4	89.4	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	47.3	89.5	89.5	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1500	47.5	90.7	90.7	90.7	90.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1200	47.6	92.0	92.0	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	48.0	93.3	93.3	93.3	93.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 900	48.1	93.6	93.6	93.6	93.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	48.3	94.2	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	48.3	94.2	94.2	94.2	94.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 600	48.3	94.4	94.4	94.4	94.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	48.3	94.6	94.6	94.6	94.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	48.3	95.3	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 159

LOCAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 45 FT LEONARD WOOD MD

73-61

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	12.6	47.2	40.5	40.6	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	13.4	54.9	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	13.4	55.0	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 16000	13.4	55.0	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	13.3	55.2	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	13.4	56.1	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	14.1	59.3	67.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7
≥ 9000	14.1	59.9	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	14.3	63.4	64.1	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	14.4	64.6	65.2	65.4	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 6000	14.4	66.3	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	14.3	69.2	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500	15.7	71.1	72.1	72.3	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 4000	15.3	73.3	74.2	74.5	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3500	15.6	75.1	76.2	76.6	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3
≥ 3000	15.8	79.1	80.3	80.7	81.5	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	16.2	81.4	82.6	83.2	84.1	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6
≥ 2000	16.4	83.8	85.3	85.9	87.0	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6
≥ 1800	16.4	84.4	85.9	86.6	87.8	87.9	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.4	88.4
≥ 1500	15.5	86.5	88.4	89.2	90.5	90.6	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 1200	16.5	87.4	89.4	90.3	91.7	91.9	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.6	92.6	92.6
≥ 1000	16.6	88.5	90.6	91.5	93.2	93.4	93.8	93.9	94.0	94.1	94.2	94.2	94.2	94.3	94.3	94.3
≥ 900	16.6	88.3	91.9	91.9	93.6	93.9	94.3	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.9	94.9
≥ 800	16.6	89.2	91.4	92.4	94.3	94.7	95.1	95.3	95.4	95.6	95.6	95.6	95.6	95.7	95.7	95.7
≥ 700	16.6	89.6	91.9	93.0	95.0	95.4	95.9	96.2	96.3	96.4	96.5	96.5	96.5	96.6	96.6	96.6
≥ 600	15.6	89.7	92.0	93.3	95.4	95.9	96.5	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.5	97.5
≥ 500	15.4	89.8	92.2	93.6	95.8	96.4	97.2	97.6	97.8	98.1	98.2	98.2	98.3	98.3	98.4	98.4
≥ 400	16.7	90.3	92.4	93.8	96.1	96.8	97.6	98.1	98.4	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 300	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.4	98.8	99.2	99.4	99.4	99.5	99.6	99.6	99.6
≥ 200	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.4	98.8	99.3	99.5	99.5	99.7	99.7	99.8	99.8
≥ 100	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.5	98.9	99.3	99.6	99.6	99.8	99.8	99.9	100.0
≥ 0	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.5	98.9	99.3	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5080

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MD
STATION NAME

73.75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-1200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.1	73.5	74.1	74.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.2	76.2	76.2	76.2
≥ 20000	45.2	75.1	76.8	76.8	76.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 18000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 16000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 14000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 12000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 10000	50.3	78.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.2	82.2	82.2	82.2
≥ 9000	50.3	78.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.2	82.2	82.2	82.2
≥ 8000	50.3	81.6	83.2	83.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.4	85.4	85.4	85.4
≥ 7000	51.4	82.2	83.2	83.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.9	85.9	85.9	85.9
≥ 6000	51.4	83.2	84.9	84.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.0	87.0	87.0	87.0
≥ 5000	52.4	85.9	87.6	87.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.7	89.7	89.7	89.7
≥ 4500	52.4	85.9	87.6	87.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.7	89.7	89.7	89.7
≥ 4000	52.4	85.9	88.1	88.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3
≥ 3500	53.5	87.6	89.2	89.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9	91.9	91.9	91.9
≥ 3000	53.5	87.6	89.7	89.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9	91.9	91.9	91.9
≥ 2500	53.5	89.2	91.9	91.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	94.1	94.1	94.1	94.1
≥ 2000	53.5	90.8	93.5	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.1	95.1	95.1	95.1
≥ 1800	53.5	90.8	93.5	93.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.7	95.7	95.7	95.7
≥ 1500	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.8	96.8	96.8
≥ 1200	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 1000	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 900	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 800	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 700	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 600	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 500	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 400	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 300	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 200	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 100	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 0	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 182

CLIMATE CLIMATOLOGY BRANCH
710
WATER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION 457
LEONARD WOOD MO
STATION NAME

73-80

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1302-0501
GROUP 1

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	17.4	49.3	52.1	53.2	57.0	58.4	59.5	60.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.7
≥ 20000	19.7	52.3	55.9	57.3	62.5	63.1	64.2	65.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 18000	18.7	52.3	55.9	57.3	62.5	63.1	64.2	65.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	18.7	52.3	55.9	57.3	62.5	63.1	64.2	65.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 14000	18.7	52.3	55.9	57.6	62.8	63.4	64.5	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	19.7	52.6	56.2	57.9	63.1	63.6	64.7	65.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	19.0	55.1	59.6	60.9	66.1	66.7	67.8	68.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	19.3	55.1	59.6	60.9	66.1	66.7	67.8	68.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	19.5	57.5	61.7	63.6	68.9	69.4	70.5	71.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 7000	19.8	60.1	64.2	66.4	71.6	72.2	73.3	74.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	19.8	60.3	64.7	66.9	72.5	73.0	74.1	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	19.8	62.8	67.5	69.7	75.2	75.8	76.9	78.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	19.8	64.5	69.1	71.6	77.1	77.7	78.8	79.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4000	20.1	64.7	69.4	72.2	77.7	78.2	79.3	80.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	20.4	65.3	70.2	73.0	78.8	79.3	80.4	81.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	20.4	66.3	71.2	74.9	80.7	81.5	82.9	84.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	20.4	68.6	73.6	76.6	82.4	83.2	84.8	86.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	20.4	69.9	73.9	76.9	82.6	83.7	85.4	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	20.4	69.9	74.1	77.1	82.9	84.0	85.7	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	20.4	69.4	74.7	77.7	83.7	84.8	86.2	88.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	20.7	71.5	76.0	79.1	85.1	86.2	88.2	89.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	20.7	70.8	76.6	79.6	86.0	87.3	89.3	90.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	20.7	71.1	76.9	79.9	86.2	87.6	89.5	91.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 800	20.7	71.3	77.1	80.2	86.5	87.9	89.8	91.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	20.7	71.6	77.4	81.4	86.8	88.2	90.1	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 600	20.7	71.6	77.4	81.3	87.6	89.0	90.9	92.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	20.7	71.6	77.7	81.6	88.7	90.4	92.8	94.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 400	20.7	71.6	77.7	81.8	89.3	90.9	93.4	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	20.7	71.6	78.2	82.1	89.8	91.5	93.9	96.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	20.7	71.9	78.2	82.4	90.1	91.7	94.5	97.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	20.7	71.9	78.2	82.4	90.1	91.7	94.5	97.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	20.7	71.9	78.2	82.4	90.1	91.7	94.5	97.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 363

AL CLIMATE/CLIMATE BRANCH
ETAC
CLIMATE SERVICE/4AC

CEILING VERSUS VISIBILITY

4437
STATION

FT LEONARD WOOD MO
STATION NAME

73-01
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

602-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	1.7	42.4	45.4	47.4	49.9	50.7	50.8	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	1.7	40.4	5.1	51.8	54.7	55.8	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	1.7	45.3	5.4	52.1	55.1	55.3	55.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	1.7	46.8	51.4	52.1	55.1	56.3	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	1.7	47.1	51.4	52.6	55.7	56.9	57.0	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	1.7	47.7	51.6	53.6	56.7	57.9	58.0	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000	1.7	52.5	56.7	59.0	62.4	63.6	63.9	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	1.7	52.5	56.7	59.0	62.4	63.6	63.9	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	1.7	55.4	61.2	63.5	66.9	68.5	68.9	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000	1.7	57.4	62.3	64.8	68.3	69.6	70.5	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 6000	1.7	57.2	63.2	65.9	69.5	71.2	71.9	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	1.7	61.6	65.7	68.5	72.2	73.9	74.6	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	1.7	62.1	67.6	71.7	74.6	76.4	77.2	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	1.7	62.3	67.6	71.8	75.2	77.2	78.1	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	1.7	63.5	69.2	72.4	76.9	78.9	79.9	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	1.7	64.7	70.7	73.9	77.6	81.6	81.6	82.3	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	1.7	65.4	71.4	74.8	78.6	81.8	83.0	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	1.7	66.1	72.2	75.7	80.8	83.3	84.5	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	1.7	66.3	72.5	76.1	81.2	83.6	84.9	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	1.7	67.3	73.5	77.0	82.7	85.2	86.6	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	1.7	67.6	74.0	77.5	83.2	85.7	87.1	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000	1.7	68.1	74.4	77.9	83.9	86.8	88.2	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900	1.7	68.1	74.7	78.4	84.4	87.4	88.8	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	1.7	68.3	74.8	78.5	84.6	87.7	89.1	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	1.7	68.4	75.1	78.6	85.0	88.0	89.5	90.4	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	1.7	69.2	75.6	79.4	85.8	88.9	90.4	91.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	1.7	69.2	75.9	79.7	86.6	89.7	91.2	92.3	93.3	94.1	94.6	94.6	94.6	94.6	94.6	94.6
≥ 400	1.7	69.4	76.1	79.9	86.9	90.0	91.3	92.3	93.3	94.7	95.8	96.3	96.3	96.3	96.3	96.3
≥ 300	1.7	69.5	76.2	80.0	87.2	91.1	93.7	95.2	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	1.7	69.5	76.2	80.0	87.3	91.3	94.1	95.7	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0
≥ 100	1.7	69.5	76.2	80.0	87.3	91.3	94.1	95.7	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0
≥ 0	1.7	69.5	76.2	80.0	87.3	91.3	94.1	95.7	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 212

WORLD CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION NO. 45 STATION NAME LINDA WOOD

73-21

YEAR

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1951

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	1.2	44.7	44.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥20000	1.2	41.2	53.9	53.7	53.8	54.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥18000	1.2	41.6	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥16000	1.2	41.6	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥14000	1.2	51.6	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥12000	1.2	53.6	55.7	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥10000	1.2	58.8	62.7	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥9000	1.2	59.8	62.3	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥8000	1.2	63.8	66.5	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥7000	1.3	65.0	67.7	68.3	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥6000	1.3	67.2	70.3	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥5000	1.3	69.2	72.0	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥4500	1.3	72.2	73.8	73.9	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥4000	1.3	71.3	75.8	76.1	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥3500	1.3	73.1	77.8	77.6	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥3000	1.3	75.1	79.7	79.6	80.5	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥2500	1.3	76.5	81.7	81.7	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥2000	1.3	78.5	83.1	84.1	85.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥1800	1.3	78.9	83.6	84.6	85.5	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥1500	1.3	80.6	85.0	86.7	87.9	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥1200	1.3	82.3	87.3	88.5	89.7	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥1000	1.3	83.4	88.4	89.6	91.3	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥900	1.3	83.9	89.1	90.6	92.3	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥800	1.3	83.9	89.4	90.9	92.7	93.4	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥700	1.3	84.1	91.0	91.5	93.5	94.3	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥600	1.3	84.2	91.2	91.9	94.0	94.9	95.7	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥500	1.3	84.4	91.4	92.1	94.7	95.7	96.7	96.9	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥400	1.3	84.7	91.8	92.8	95.7	96.7	97.7	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥300	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥200	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥100	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥0	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 436

USAF CLIMATE BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 17 LINDSEY AFB TX
STATION NAME

73-81

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-0-14-0

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256
NO. CEILING ≥ 20000	2.4	39.3	4.1	41.0	42.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	2.4	40.3	42.2	44.2	45.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 16000	2.4	44.3	45.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	2.4	44.2	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000	2.4	50.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 10000	2.4	55.2	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	2.4	55.3	56.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	2.4	57.3	61.1	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	2.4	61.5	62.0	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	2.4	62.3	64.1	64.4	64.8	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	2.4	63.4	67.4	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	2.4	66.9	69.1	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	2.4	71.8	72.9	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	2.4	74.7	76.9	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	2.4	79.3	81.4	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	2.4	82.6	84.9	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	2.4	86.0	88.5	89.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	3.1	86.3	89.0	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1600	3.1	86.4	91.1	92.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1400	3.1	87.6	92.7	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	3.1	88.5	93.5	94.7	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	3.1	91.7	93.3	95.1	95.8	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	3.1	92.3	93.9	95.1	96.0	96.2	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	3.1	93.6	93.9	95.3	96.3	96.6	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	3.1	91.0	94.1	95.0	97.4	97.7	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

STATION NAME
STATION SERVICE/FAI

CEILING VERSUS VISIBILITY

STATION NAME
STATION SERVICE/FAI

YEAR

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	3.1	43.3	44.5	45.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	3.1	54.7	55.8	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
18000	3.1	55.0	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
16000	3.1	55.0	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
14000	3.1	55.0	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
12000	3.1	55.0	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
10000	3.1	55.0	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
9000	3.1	55.0	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
8000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
7000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
6000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
5000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
4500	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
4000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
3500	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
3000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2500	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
1800	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
1500	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
1200	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
1000	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
900	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
800	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
700	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
600	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
500	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
400	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
300	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
200	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
100	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
0	4.1	57.2	58.6	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4

TOTAL NUMBER OF OBSERVATIONS

AD-A110 091

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC (11)

UNCLASSIFIED USAFETAC/DS-82/023

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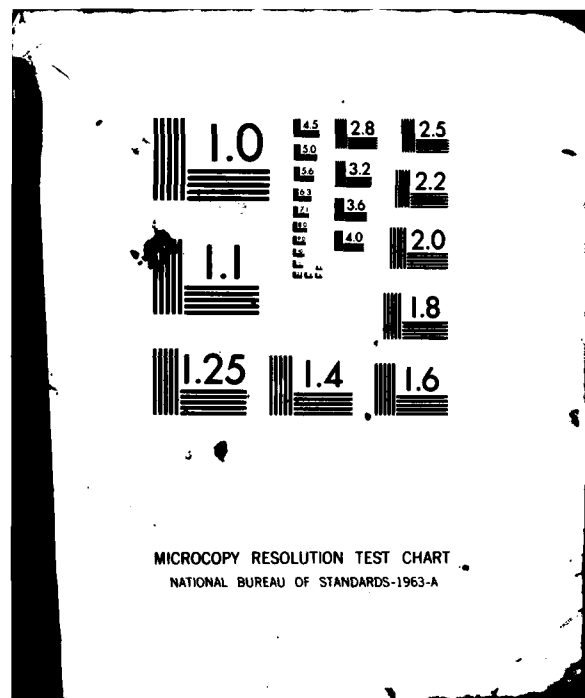
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CENTRAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	7.2	54.4	55.1	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	7.6	60.9	61.7	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 16000	7.8	61.2	62.1	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	7.8	61.2	62.1	62.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	7.9	62.3	63.1	63.4	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	7.9	63.7	64.6	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 9000	8.5	63.9	70.2	70.6	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	8.5	63.9	70.2	70.6	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	9.2	73.9	75.4	75.8	76.5	76.8	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 6000	8.4	74.7	76.2	76.6	77.3	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 5000	9.3	75.6	77.4	77.9	78.6	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500	9.0	78.2	80.2	80.7	81.4	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	9.4	80.6	82.7	83.2	83.9	84.5	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3500	9.4	81.6	83.9	84.4	85.1	85.7	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	9.4	82.6	84.9	85.4	86.1	86.7	86.9	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	9.5	85.4	87.9	88.7	89.4	90.2	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	9.6	86.4	89.1	90.2	90.9	91.8	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	9.7	88.2	90.9	92.0	92.8	93.8	94.2	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	9.7	88.5	91.1	92.2	93.0	94.0	94.5	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	9.7	88.8	91.3	92.6	93.4	94.4	94.8	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	9.7	88.8	91.5	92.6	93.4	94.4	94.8	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	9.7	89.1	91.7	92.8	93.9	94.8	95.3	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	9.7	89.2	91.8	93.0	94.2	95.2	95.7	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	9.7	89.4	92.1	93.4	94.6	95.6	96.0	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	9.7	89.8	92.4	93.9	95.3	96.3	97.1	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	9.7	89.9	92.6	94.0	95.4	96.4	97.4	97.7	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	9.7	89.9	92.6	94.0	95.6	96.5	97.8	98.2	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
 AFMCTAC
 47 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 24457 FT LEONARD WOOD MO

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOUR (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	26.2	66.9	67.5	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	27.1	69.2	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 18000	27.3	69.4	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	27.3	69.4	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	27.3	69.6	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 12000	27.7	70.8	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	29.0	74.6	75.2	75.2	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	29.0	74.6	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	30.4	76.5	79.0	79.0	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	30.4	79.0	79.6	79.6	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	30.4	80.8	81.3	81.3	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	31.0	83.3	83.8	83.8	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	31.3	85.4	86.0	86.0	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	31.3	86.0	86.5	86.5	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	31.3	86.7	87.3	87.3	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	31.5	87.9	88.7	88.7	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	32.1	89.4	90.2	90.2	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	32.5	90.8	91.7	91.7	92.9	92.9	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	32.5	91.0	91.9	91.9	93.1	93.1	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	32.5	91.3	92.5	92.5	93.7	93.7	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6
≥ 1200	32.5	91.3	92.5	92.5	93.8	93.8	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8
≥ 1000	32.5	91.3	92.5	92.7	94.0	94.0	94.6	94.6	94.8	94.8	94.8	94.8	94.8	95.0	95.0	95.0
≥ 900	32.5	91.7	93.1	93.3	94.6	94.6	95.2	95.2	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6
≥ 800	32.5	91.9	93.3	93.5	94.8	94.8	95.4	95.4	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.8
≥ 700	32.5	91.9	93.3	93.5	95.0	95.4	96.0	96.2	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5
≥ 600	32.7	92.5	93.8	94.0	95.8	96.2	96.9	97.1	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5
≥ 500	32.7	92.9	94.2	94.4	96.3	96.9	98.1	98.3	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7
≥ 400	32.7	92.9	94.2	94.4	96.5	97.1	98.5	98.7	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2
≥ 300	32.7	92.9	94.2	94.4	96.5	97.1	98.8	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 200	32.7	92.9	94.2	94.4	96.5	97.1	98.8	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
≥ 100	32.7	92.9	94.2	94.4	96.7	97.3	99.2	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	32.7	92.9	94.2	94.4	96.7	97.3	99.2	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81
YEARS

MAY
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	≥.25	≥.2	≥.1
NO CEILING	7.8	43.7	50.1	50.5	51.4	51.6	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 20000	8.3	54.6	56.6	57.0	58.1	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7
≥ 18000	8.3	55.0	56.9	57.3	58.3	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 16000	8.3	55.0	56.9	57.3	58.4	58.6	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 14000	8.4	55.6	57.4	57.9	59.0	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6
≥ 12000	8.4	56.6	58.5	59.0	60.1	60.3	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	8.8	61.7	63.8	64.4	65.6	65.9	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 9000	8.8	61.7	63.8	64.4	65.6	65.9	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 8000	9.1	65.7	68.1	68.8	70.1	70.5	70.7	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	9.1	66.7	69.2	69.9	71.2	71.6	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3
≥ 6000	9.2	68.2	70.8	71.7	73.1	73.5	73.7	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1
≥ 5000	9.3	70.7	73.5	74.4	75.9	76.3	76.6	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0
≥ 4500	9.4	72.5	75.4	76.4	77.9	78.4	78.7	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1
≥ 4000	9.4	74.1	77.1	78.1	79.8	80.3	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1
≥ 3500	9.5	75.9	79.0	80.1	81.8	82.3	82.6	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1
≥ 3000	9.5	78.3	81.6	82.9	84.6	85.2	85.6	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
≥ 2500	9.6	80.1	83.5	84.8	86.6	87.3	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 2000	9.7	81.7	85.3	86.7	88.6	89.4	89.8	90.1	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5
≥ 1800	9.7	81.9	85.6	87.0	88.9	89.7	90.2	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.9	90.9
≥ 1500	9.8	82.9	86.6	88.1	90.1	90.9	91.5	91.8	92.1	92.1	92.1	92.2	92.2	92.2	92.3	92.3
≥ 1200	9.8	83.6	87.5	88.9	91.1	91.9	92.5	92.8	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 1000	9.8	84.2	88.1	89.7	91.9	92.8	93.5	93.8	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
≥ 900	9.8	84.4	88.5	90.0	92.4	93.4	94.0	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9
≥ 800	9.8	84.5	88.6	90.2	92.7	93.7	94.4	94.8	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3
≥ 700	9.8	84.7	88.8	90.5	93.1	94.1	94.8	95.3	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8
≥ 600	9.9	85.0	89.1	90.9	93.7	94.9	95.8	96.2	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 500	9.8	85.1	89.3	91.1	94.1	95.5	96.6	97.2	97.6	97.8	97.8	97.9	98.0	98.0	98.0	98.0
≥ 400	9.8	85.2	89.4	91.3	94.5	95.8	97.1	97.8	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.9
≥ 300	9.8	85.2	89.5	91.3	94.6	96.0	97.4	98.2	98.8	99.0	99.1	99.1	99.2	99.3	99.3	99.3
≥ 200	9.8	85.2	89.5	91.4	94.6	96.0	97.5	98.4	98.9	99.2	99.3	99.4	99.5	99.6	99.7	99.7
≥ 100	9.8	85.2	89.5	91.4	94.6	96.0	97.6	98.4	99.0	99.3	99.4	99.5	99.6	99.7	99.9	100.0
≥ 0	9.8	85.2	89.5	91.4	94.6	96.0	97.6	98.4	99.0	99.3	99.4	99.5	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5226

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

104457
STATION

FT LEONARD WOOD MO
STATION NAME

73.75
WIND

1111
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0
NO CEILING	30.6	53.3	53.3	60.0	61.1	61.1	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	35.0	71.7	71.7	73.3	74.4	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 9000	35.0	71.7	71.7	73.3	74.4	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	36.7	82.8	82.8	84.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 7000	36.7	82.8	82.8	84.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000	36.7	82.8	82.8	84.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000	36.7	83.3	83.3	85.6	87.0	87.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	37.2	85.6	86.1	87.0	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4000	37.2	86.1	86.7	88.3	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	37.2	88.9	89.4	91.1	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	37.2	89.4	90.0	92.2	94.4	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	37.2	91.7	92.2	94.4	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	37.2	93.3	93.9	96.1	98.9	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 100

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124457
STATION

FT LEONARD WOOD MO
STATION NAME

73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-2500
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	13.3	41.2	51.2	53.0	57.6	57.6	58.5	59.1	59.4	59.4	59.7	59.7	60.0	60.0	60.0	60.3
≥ 20000	13.3	52.1	55.2	57.0	62.1	62.1	63.0	63.6	63.9	63.9	64.2	64.2	64.8	64.9	64.8	65.2
IV 18000	13.6	52.1	55.2	57.0	62.1	62.1	63.0	63.6	63.9	63.9	64.2	64.2	64.8	64.8	64.8	65.2
IV 16000	13.6	52.4	55.5	57.3	62.4	62.4	63.3	63.9	64.2	64.2	64.5	64.5	65.2	65.2	65.2	65.5
IV 14000	13.6	52.7	55.8	57.6	63.0	63.0	63.9	64.5	64.8	64.8	65.2	65.2	65.8	65.8	65.8	66.1
IV 12000	13.6	53.6	56.7	58.5	63.9	63.9	64.8	65.5	65.8	65.8	66.1	66.1	66.7	66.7	66.7	67.0
IV 10000	14.9	58.2	61.2	63.0	68.5	68.5	69.7	70.3	70.6	70.6	70.9	71.2	71.8	71.8	71.8	72.1
IV 9000	14.6	58.2	61.2	63.0	68.5	68.5	69.7	70.3	70.6	70.6	70.9	71.2	71.8	71.8	71.8	72.1
IV 8000	15.5	66.1	69.7	71.5	77.0	77.0	78.2	78.8	79.1	79.1	79.4	79.7	80.3	80.3	80.3	80.6
IV 7000	15.5	67.3	71.2	73.0	78.5	78.5	79.7	80.3	80.6	80.6	80.9	81.2	81.8	81.8	81.8	82.1
IV 6000	15.5	67.9	71.8	73.6	79.1	79.1	80.3	80.9	81.2	81.2	81.5	81.8	82.4	82.4	82.4	82.7
IV 5000	15.5	69.4	73.9	75.8	81.5	81.5	82.7	83.3	83.6	83.6	83.9	84.2	84.8	84.8	84.8	85.2
IV 4500	15.5	70.9	75.8	77.6	83.3	83.3	84.5	85.2	85.8	85.8	86.1	86.4	87.0	87.0	87.0	87.3
IV 4000	15.5	72.4	77.3	79.1	84.8	84.8	86.1	86.7	87.3	87.3	87.6	87.9	88.5	88.5	88.5	88.8
IV 3500	15.5	73.0	77.9	79.7	85.5	85.5	86.7	87.3	87.9	87.9	88.2	88.5	89.1	89.1	89.1	89.4
IV 3000	15.5	74.2	79.1	80.9	87.0	87.0	88.2	88.8	89.4	89.4	89.7	90.0	90.6	90.6	90.6	90.9
IV 2500	15.5	75.8	80.9	82.7	88.8	88.8	90.0	90.9	91.5	91.5	91.8	92.1	92.7	92.7	92.7	93.0
IV 2000	15.5	76.4	81.5	83.3	89.4	89.4	90.6	91.5	92.1	92.1	92.4	92.7	93.3	93.3	93.3	93.6
IV 1800	15.5	76.4	81.5	83.3	89.4	89.4	90.6	91.5	92.1	92.1	92.4	92.7	93.3	93.3	93.3	93.6
IV 1500	15.5	77.0	82.4	84.2	90.3	90.3	91.5	92.4	93.0	93.0	93.3	93.6	94.2	94.2	94.2	94.5
IV 1200	15.5	77.6	83.0	84.8	90.9	91.2	92.4	93.3	93.9	93.9	94.2	94.5	95.2	95.2	95.2	95.5
IV 1000	15.5	78.2	83.6	85.5	91.5	91.8	93.0	93.9	94.5	94.5	94.8	95.2	95.8	95.8	95.8	96.1
IV 900	15.5	78.5	83.9	85.8	91.8	92.1	93.3	94.2	94.8	94.8	95.2	95.5	96.1	96.1	96.1	96.4
IV 800	15.5	78.5	83.9	85.8	91.8	92.1	93.3	94.2	94.8	94.8	95.2	95.5	96.1	96.1	96.1	96.4
IV 700	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 600	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 500	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 400	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 300	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.1	97.3	97.3	97.6	97.9	98.5	98.5	98.5	98.8
IV 200	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.4	97.6	97.6	98.2	98.5	99.1	99.4	99.4	99.7
IV 100	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.4	97.6	97.6	98.2	98.5	99.1	99.4	99.4	100.0
IV 0	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.4	97.6	97.6	98.2	98.5	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 330

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124457 FT LEONARD J00D MO
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

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	1.3	45.4	48.6	50.7	52.8	53.7	54.3	54.7	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3
≥ 20000	1.4	52.9	56.2	59.1	61.5	62.4	63.0	63.4	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.0
≥ 18000	1.4	52.9	56.2	59.1	61.5	62.4	63.0	63.4	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.0
≥ 16000	1.4	53.1	56.3	59.2	61.7	62.5	63.2	63.5	63.8	63.9	64.0	64.0	64.2	64.2	64.2	64.2
≥ 14000	1.4	53.6	56.8	59.7	62.2	63.0	63.7	64.0	64.3	64.4	64.5	64.5	64.7	64.7	64.7	64.7
≥ 12000	1.4	54.2	58.2	61.0	63.5	64.4	65.0	65.4	65.7	65.8	65.9	65.9	66.3	66.3	66.3	66.3
≥ 10000	1.4	59.1	62.7	65.5	68.0	68.9	69.5	69.9	70.2	70.3	70.4	70.4	70.8	70.8	70.8	70.9
≥ 9000	1.4	59.4	63.0	65.9	68.4	69.3	69.9	70.3	70.5	70.7	70.8	70.8	71.2	71.2	71.2	71.3
≥ 8000	1.4	63.5	67.9	70.9	73.7	74.5	75.2	75.5	75.9	76.0	76.2	76.2	76.5	76.5	76.5	76.7
≥ 7000	1.4	65.2	69.7	72.8	75.8	76.7	77.3	77.7	78.2	78.3	78.4	78.4	78.8	78.8	78.8	78.9
≥ 6000	1.4	66.7	71.2	74.3	77.3	78.2	78.8	79.2	79.7	79.8	79.9	79.9	80.3	80.3	80.3	80.4
≥ 5000	1.4	68.2	72.8	76.3	79.7	80.5	81.1	81.5	82.3	82.4	82.5	82.5	82.9	82.9	82.9	83.0
≥ 4500	1.4	68.4	73.2	76.7	80.0	80.9	81.6	82.0	82.9	83.0	83.1	83.1	83.5	83.5	83.5	83.6
≥ 4000	1.4	69.5	74.4	77.9	81.3	82.1	82.9	83.3	84.1	84.3	84.4	84.4	84.8	84.8	84.8	84.9
≥ 3500	1.4	70.7	75.5	79.4	82.9	83.8	84.5	84.9	85.8	85.9	86.0	86.0	86.4	86.4	86.4	86.5
≥ 3000	1.4	72.2	77.0	80.9	84.4	85.3	86.0	86.4	87.3	87.4	87.5	87.5	87.9	87.9	87.9	88.0
≥ 2500	1.4	73.2	78.0	81.9	85.5	86.4	87.4	87.8	88.6	88.8	88.9	88.9	89.3	89.3	89.3	89.4
≥ 2000	1.4	73.7	78.5	82.5	86.3	87.1	88.1	88.5	89.4	89.5	89.6	89.6	90.0	90.0	90.0	90.1
≥ 1800	1.4	74.2	79.3	83.0	86.8	87.6	88.6	89.0	89.9	90.0	90.1	90.1	90.5	90.5	90.5	90.6
≥ 1500	1.4	75.2	80.0	84.0	87.9	88.8	89.8	90.1	91.0	91.1	91.3	91.3	91.6	91.6	91.8	91.9
≥ 1200	1.4	75.4	80.3	84.3	88.1	89.0	90.0	90.4	91.3	91.4	91.5	91.5	91.9	91.9	92.0	92.1
≥ 1000	1.4	76.5	81.3	86.1	90.0	90.9	91.9	92.3	93.1	93.2	93.4	93.4	93.8	93.8	93.9	94.0
≥ 900	1.4	76.8	82.0	86.4	90.3	91.3	92.3	92.6	93.5	93.6	93.8	93.8	94.1	94.1	94.3	94.4
≥ 800	1.4	77.0	82.4	86.8	90.9	91.9	92.9	93.3	94.1	94.3	94.4	94.4	94.8	94.8	94.9	95.0
≥ 700	1.4	77.2	82.6	87.1	91.4	92.4	93.4	93.8	94.6	94.8	94.9	94.9	95.3	95.3	95.4	95.5
≥ 600	1.4	77.3	82.9	87.4	91.8	92.9	94.1	94.5	95.4	95.5	95.6	95.6	96.0	96.0	96.1	96.3
≥ 500	1.4	77.3	83.0	87.5	92.1	93.3	94.6	95.1	96.0	96.1	96.3	96.3	96.6	96.6	96.8	96.9
≥ 400	1.4	77.3	83.0	87.6	92.5	93.6	95.1	95.8	96.6	96.8	96.9	96.9	97.4	97.4	97.5	97.6
≥ 300	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.0	96.9	97.0	97.1	97.1	97.8	97.9	98.0	98.1
≥ 200	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.1	97.1	97.3	97.6	97.6	98.4	99.0	99.1	99.3
≥ 100	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.1	97.1	97.3	97.6	97.6	98.5	99.4	99.5	100.0
≥ 0	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.1	97.1	97.3	97.6	97.6	98.5	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 801

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6900-1100
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	1.0	48.1	49.9	50.2	50.7	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	1.4	56.7	58.5	58.9	59.4	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 18000	1.4	56.8	58.6	59.0	59.5	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 16000	1.4	56.8	58.6	59.0	59.5	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 14000	1.4	57.5	59.4	59.8	60.2	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	1.4	58.0	60.0	60.4	60.9	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	1.4	63.5	65.7	66.0	66.5	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 9000	1.4	63.8	66.0	66.4	66.9	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000	1.4	68.5	70.9	71.4	71.9	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 7000	1.4	69.5	72.0	72.5	73.0	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	1.4	73.6	73.1	73.6	74.1	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	1.4	72.1	74.8	75.4	76.3	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	1.4	73.3	76.0	76.7	77.5	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	75.1
IV 4000	1.4	74.7	77.7	78.5	79.4	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	1.4	77.2	80.4	81.2	82.1	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	1.4	79.6	83.1	84.0	84.9	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2500	1.4	80.4	84.1	84.9	86.0	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	1.4	82.1	85.9	86.9	88.0	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	1.4	82.7	86.5	87.5	88.6	89.0	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	1.4	85.2	89.3	90.6	91.9	92.2	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	1.4	87.0	91.4	93.0	94.3	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	1.4	88.0	92.3	94.3	95.9	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	1.4	88.1	92.5	94.6	96.2	96.5	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800	1.4	88.4	92.7	94.8	96.4	96.8	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	1.4	88.8	93.1	95.2	97.0	97.4	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	1.4	88.8	93.1	95.2	97.4	97.8	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	1.4	88.8	93.1	95.2	97.7	98.0	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	1.4	88.8	93.1	95.3	97.9	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO

73-81

YEARS

JUN

MONTH

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	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	2.3	50.1	50.7	50.9	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	2.6	59.3	60.0	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	2.6	59.4	60.1	60.5	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	2.6	59.4	60.1	60.5	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	2.6	59.6	60.4	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	2.7	61.1	61.9	62.2	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	3.0	64.7	65.4	66.0	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	3.0	64.9	65.7	66.3	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	3.1	67.3	68.1	68.9	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	3.1	68.8	69.6	70.5	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	3.1	69.8	70.6	71.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	3.2	72.5	73.3	74.3	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	3.2	73.2	74.3	75.6	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4000	3.5	76.2	77.5	78.9	79.5	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	3.5	80.5	82.2	83.7	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	3.5	83.8	85.8	87.5	88.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	3.5	87.8	89.8	91.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	3.5	90.1	92.2	94.0	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	3.5	90.2	92.3	94.1	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	3.5	92.0	94.1	95.8	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7
≥ 1200	3.5	92.7	94.8	96.7	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
≥ 1000	3.5	92.7	94.8	96.8	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 900	3.5	92.8	94.9	96.9	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 800	3.5	92.8	94.9	96.9	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1
≥ 700	3.5	92.8	94.9	96.9	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1
≥ 600	3.5	92.8	94.9	96.9	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.3	99.3
≥ 500	3.5	92.8	94.9	96.9	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.3	99.3
≥ 400	3.5	93.0	95.1	97.0	98.5	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.6
≥ 300	3.5	93.0	95.3	97.3	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.8	99.9
≥ 200	3.5	93.1	95.4	97.4	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0
≥ 100	3.5	93.1	95.4	97.4	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0
≥ 0	3.5	93.1	95.4	97.4	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	2.8	57.2	57.9	58.4	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	3.5	67.3	68.0	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	3.5	67.3	68.0	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 16000	3.5	67.3	68.0	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	3.5	67.5	68.3	69.0	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000	3.5	68.1	68.9	69.6	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 10000	3.5	72.6	73.3	74.1	74.4	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	3.5	73.5	74.2	74.9	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 8000	3.7	77.9	78.8	79.6	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 7000	3.7	78.9	79.8	80.6	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000	3.7	79.3	80.5	81.4	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 5000	3.7	82.6	84.4	85.4	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	3.7	83.2	85.4	86.7	87.3	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000	3.7	84.4	87.2	88.6	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	3.7	85.9	88.9	91.4	91.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	3.7	89.3	92.5	94.4	95.3	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	3.7	90.2	93.5	95.7	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	3.7	91.7	94.9	97.2	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	3.7	92.0	95.2	97.4	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	3.7	92.0	95.2	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	3.7	92.0	95.2	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	3.7	92.1	95.3	97.5	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	3.7	92.1	95.3	97.5	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	3.7	92.2	95.4	97.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	3.7	92.3	95.6	97.9	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	3.7	92.3	95.6	97.9	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	3.7	92.3	95.6	97.9	99.1	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 816

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2300
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	4.2	60.3	61.3	62.1	63.2	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	5.3	71.3	72.9	73.9	75.1	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 18000	5.3	71.3	72.9	73.9	75.1	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 16000	5.3	71.3	72.9	73.9	75.1	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 14000	5.0	71.7	73.3	74.3	75.5	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 12000	5.0	72.3	73.9	75.0	76.1	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	5.0	75.8	77.5	78.5	79.7	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 9000	5.0	75.9	77.6	78.6	79.8	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 8000	5.1	79.4	81.7	82.8	84.0	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 7000	5.1	79.8	82.2	83.4	84.5	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 6000	5.1	80.3	82.7	84.1	85.3	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 5000	5.1	83.0	85.3	86.8	87.9	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500	5.1	84.0	86.4	87.9	89.1	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 4000	5.2	86.1	88.7	90.3	91.5	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3500	5.4	87.0	90.0	91.6	92.8	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 3000	5.4	98.3	91.6	93.4	94.9	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	5.4	88.9	92.5	94.4	95.9	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2000	5.4	89.6	93.3	95.2	97.0	97.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	5.4	89.6	93.3	95.2	97.0	97.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	5.4	90.2	93.8	95.7	97.8	98.3	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	5.4	90.4	94.1	95.9	98.0	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	5.4	90.7	94.4	96.2	98.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	5.4	90.7	94.4	96.2	98.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	5.4	90.7	94.4	96.2	98.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	5.4	90.7	94.4	96.2	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	5.4	90.7	94.4	96.2	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	5.4	90.7	94.4	96.2	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 763

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77457
STATION

FT LEONARD WOOD MC
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.3	64.7	65.2	65.9	66.1	66.6	67.1	67.1	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 18000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 16000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 12000	24.1	71.0	71.5	72.6	72.9	74.2	74.7	74.7	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 10000	25.5	75.2	76.3	77.0	77.5	78.9	79.4	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	25.5	75.2	76.3	77.0	77.5	78.9	79.4	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	26.5	79.6	80.7	81.4	82.1	83.8	84.2	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 7000	26.5	79.8	81.3	81.7	82.4	84.0	84.5	84.5	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	26.7	81.0	82.4	83.3	84.0	85.6	86.1	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000	27.6	84.2	86.3	87.2	87.9	89.6	90.0	90.0	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	27.8	84.7	86.8	87.7	88.4	90.0	90.5	90.5	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	27.8	85.2	87.2	88.4	89.1	90.7	91.2	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3500	28.1	86.1	88.2	89.3	90.0	91.6	92.1	92.1	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	28.5	87.0	89.1	90.3	91.0	92.6	93.0	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	29.5	88.9	91.0	92.1	92.5	94.4	94.9	94.9	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	29.7	90.3	92.3	93.5	94.2	95.8	96.3	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	29.7	90.3	92.3	93.5	94.2	95.8	96.3	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	29.7	90.7	93.3	94.4	95.1	96.8	97.2	97.4	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	29.7	91.2	93.7	94.9	95.6	97.2	97.7	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	29.7	91.6	94.2	95.4	96.1	97.7	98.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	29.7	91.6	94.2	95.4	96.1	97.7	98.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 431

U.S. AIR FORCE
CLIMATE BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

July

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.7	53.2	54.5	55.5	56.5	56.8	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6
≥ 20000	6.4	61.6	63.2	64.4	65.5	65.9	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7
≥ 18000	6.4	61.7	63.3	64.4	65.6	65.9	66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 16000	6.4	61.7	63.3	64.4	65.6	66.0	66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8
≥ 14000	6.4	62.1	63.7	64.8	66.0	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2
≥ 12000	6.4	62.9	64.5	65.7	66.8	67.2	67.7	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.1	68.1
≥ 10000	6.5	67.3	69.1	70.2	71.4	71.8	72.3	72.4	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.7
≥ 9000	6.5	67.6	69.4	70.6	71.8	72.1	72.6	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1
≥ 8000	7.0	72.1	74.1	75.4	76.6	77.0	77.5	77.6	77.8	77.8	77.8	77.8	77.9	78.0	78.0	78.0
≥ 7000	7.0	73.0	75.2	76.5	77.8	78.2	78.7	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.2
≥ 6000	7.1	73.9	76.1	77.5	78.8	79.2	79.7	79.8	80.0	80.0	80.0	80.0	80.1	80.2	80.2	80.2
≥ 5000	7.2	76.2	78.7	80.2	81.8	82.2	82.7	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.2
≥ 4500	7.2	77.1	79.7	81.3	82.9	83.3	83.8	83.9	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.4
≥ 4000	7.3	78.6	81.5	83.2	84.8	85.2	85.8	85.9	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3
≥ 3500	7.3	81.5	83.6	85.4	87.1	87.5	88.0	88.1	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.6
≥ 3000	7.3	82.7	85.9	87.9	89.7	90.1	90.6	90.7	91.0	91.0	91.0	91.1	91.2	91.2	91.2	91.2
≥ 2500	7.4	84.2	87.6	89.6	91.5	91.9	92.5	92.6	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.1
≥ 2000	7.4	85.5	88.9	90.9	92.9	93.5	94.0	94.2	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.7
≥ 1800	7.4	85.7	89.1	91.2	93.2	93.7	94.3	94.4	94.7	94.7	94.8	94.8	94.9	94.9	94.9	94.9
≥ 1500	7.4	86.7	90.2	92.3	94.5	95.1	95.6	95.8	96.0	96.1	96.1	96.1	96.2	96.3	96.3	96.4
≥ 1200	7.4	87.3	90.9	93.0	95.2	95.7	96.4	96.6	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.1
≥ 1000	7.4	87.8	91.4	93.7	95.9	96.5	97.1	97.3	97.5	97.6	97.6	97.6	97.7	97.8	97.8	97.9
≥ 900	7.4	87.9	91.5	93.8	96.1	96.6	97.3	97.5	97.7	97.8	97.8	97.8	97.9	98.0	98.0	98.0
≥ 800	7.4	88.0	91.6	94.0	96.2	96.8	97.5	97.7	97.9	98.0	98.0	98.1	98.2	98.2	98.2	98.3
≥ 700	7.4	88.2	91.9	94.2	96.6	97.2	97.9	98.1	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.6
≥ 600	7.4	88.2	91.9	94.3	96.7	97.3	98.1	98.3	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9
≥ 500	7.4	88.2	92.0	94.3	96.8	97.4	98.2	98.5	98.7	98.8	98.8	98.8	98.9	99.0	99.0	99.0
≥ 400	7.4	88.3	92.0	94.4	96.9	97.5	98.4	98.7	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.3
≥ 300	7.4	88.3	92.0	94.4	97.1	97.7	98.5	98.8	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.6
≥ 200	7.4	88.3	92.0	94.5	97.1	97.7	98.5	98.9	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.9
≥ 100	7.4	88.3	92.0	94.5	97.1	97.7	98.5	98.9	99.2	99.3	99.4	99.4	99.4	99.6	99.6	99.9
≥ 0	7.4	88.3	92.0	94.5	97.1	97.7	98.5	98.9	99.2	99.3	99.4	99.4	99.4	99.6	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 4935

7
FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

00457 STATION 17 LEONARD WOOD MC

73.75

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	30.6	71.8	74.1	78.2	78.2	30.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 20000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 18000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 16000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 14000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 12000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 10000	34.1	82.4	84.7	88.8	88.8	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 9000	34.1	82.4	84.7	88.8	88.8	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 8000	34.1	84.7	87.1	91.2	91.2	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 7000	34.1	85.3	87.6	91.8	91.8	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 6000	34.1	86.5	88.8	92.9	92.9	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 5000	34.1	86.5	88.8	92.9	92.9	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4500	34.1	86.5	88.8	92.9	92.9	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4000	34.1	87.6	90.0	94.1	94.1	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 3500	34.1	88.2	90.6	94.7	94.7	97.1	97.6	97.6	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2
IV 3000	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 2500	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 300	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 200	34.1	89.4	91.8	95.9	95.9	96.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 100	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 0	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 170

CLIMATE CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73457
STATION

FT LEONARD WOOD MO
STATION NAME

73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0600
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	10.2	47.3	57.9	55.4	61.1	63.8	67.1	68.9	69.2	69.5	69.8	69.8	70.4	70.4	70.4	71.0
≥ 20000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 18000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 16000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 14000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 12000	10.5	51.8	56.6	61.4	67.4	70.1	73.4	75.1	75.4	75.7	76.0	76.0	76.6	76.6	76.6	77.2
≥ 10000	11.4	56.6	62.0	66.8	72.8	75.4	78.7	80.5	80.8	81.1	81.4	81.4	82.0	82.0	82.0	82.6
≥ 9000	11.4	57.2	62.6	67.4	73.4	76.0	79.3	81.1	81.4	81.7	82.0	82.0	82.6	82.6	82.6	83.2
≥ 8000	11.4	61.7	67.1	71.9	77.8	80.5	83.8	85.6	85.9	86.2	86.5	86.5	87.1	87.1	87.1	87.7
≥ 7000	11.4	62.0	67.4	72.2	78.1	80.8	84.1	85.9	86.2	86.5	86.8	86.8	87.4	87.4	87.4	88.0
≥ 6000	11.4	62.3	67.7	72.5	78.4	81.1	84.4	86.2	86.5	86.8	87.1	87.1	87.7	87.7	87.7	88.3
≥ 5000	11.4	63.5	69.2	74.0	79.9	82.6	85.9	87.7	88.0	88.3	88.6	88.6	89.2	89.2	89.2	89.8
≥ 4500	11.4	64.4	70.1	74.9	81.1	83.8	87.1	88.9	89.2	89.5	89.8	89.8	90.4	90.4	90.4	91.0
≥ 4000	11.4	65.6	71.6	76.3	82.6	85.3	88.6	90.4	90.7	91.0	91.3	91.3	91.9	91.9	91.9	92.5
≥ 3500	11.4	66.5	72.5	77.2	83.5	86.2	89.5	91.3	91.6	91.9	92.2	92.2	92.8	92.8	93.1	93.7
≥ 3000	11.4	67.4	73.4	78.1	84.4	87.1	90.7	92.8	93.1	93.4	93.7	93.7	94.3	94.3	94.6	95.2
≥ 2500	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.0	94.3	94.6	94.9	94.9	95.5	95.5	95.8	96.4
≥ 2000	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.6	94.9	95.2	95.2	95.8	95.8	96.1	96.7
≥ 1800	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.6	94.9	95.2	95.2	95.8	95.8	96.1	96.7
≥ 1500	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.6	94.9	95.2	95.2	95.8	95.8	96.1	96.7
≥ 1200	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.9	95.2	95.5	95.5	96.1	96.1	96.4	97.0
≥ 1000	11.4	68.3	74.3	79.0	85.3	88.3	91.9	94.6	95.2	95.5	95.8	95.8	96.4	96.4	96.7	97.3
≥ 900	11.4	68.3	74.3	79.0	85.3	88.3	91.9	94.6	95.2	95.5	95.8	95.8	96.4	96.4	96.7	97.3
≥ 800	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.1	96.1	96.7	96.7	97.3	97.9
≥ 700	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.1	96.1	96.7	96.7	97.3	97.9
≥ 600	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.4	96.4	97.0	97.0	97.6	98.2
≥ 500	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.4	96.4	97.0	97.0	97.6	98.2
≥ 400	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.1	96.7	96.7	97.3	97.3	97.9	98.8
≥ 300	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.6	98.2	99.4
≥ 200	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.6	98.2	99.4
≥ 100	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.9	98.5	100.0
≥ 0	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.9	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 334

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
14457

STATION NAME
PT LEONARD WOOD MO

73-61

YEARS

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-0800
LOCAL TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		47.3	52.2	56.4	60.5	61.9	62.7	63.3	63.9	64.0	64.2	64.4	64.5	64.5	64.7	64.8
≥ 20000		51.9	56.2	60.4	64.7	66.3	67.3	67.9	68.5	68.7	69.0	69.1	69.2	69.2	69.5	69.6
IV 18000		51.0	56.4	60.5	64.8	66.4	67.4	68.0	68.6	68.8	69.1	69.2	69.3	69.3	69.6	69.7
IV 16000		51.0	56.4	60.5	64.8	66.4	67.4	68.0	68.6	68.8	69.1	69.2	69.3	69.3	69.6	69.7
IV 14000		51.3	56.6	60.7	65.1	66.7	67.6	68.2	68.8	69.1	69.3	69.5	69.6	69.6	69.8	69.9
IV 12000		52.1	57.6	61.7	66.1	67.8	68.7	69.3	69.9	70.2	70.4	70.5	70.7	70.7	70.9	71.0
IV 10000		55.4	61.6	66.3	70.7	72.4	73.3	74.1	74.7	74.9	75.2	75.3	75.4	75.4	75.6	75.8
IV 9000		55.5	61.7	66.4	70.8	72.5	73.5	74.2	74.8	75.0	75.3	75.4	75.5	75.5	75.8	75.9
IV 8000		60.1	66.7	71.4	75.9	77.6	78.5	79.3	79.9	80.1	80.4	80.5	80.6	80.6	80.8	81.0
IV 7000		61.6	68.2	73.0	77.6	79.3	80.2	81.0	81.7	82.1	82.3	82.4	82.5	82.5	82.8	82.9
IV 6000		61.9	68.6	73.3	78.1	79.8	80.7	81.5	82.2	82.5	82.8	82.9	83.0	83.0	83.3	83.4
IV 5000		62.4	69.3	74.2	78.9	80.7	81.8	82.5	83.3	83.6	83.9	84.0	84.1	84.1	84.4	84.5
IV 4500		63.6	70.5	75.5	80.4	82.2	83.3	84.0	84.7	85.1	85.3	85.5	85.6	85.6	85.8	85.9
IV 4000		65.0	72.1	77.2	82.1	83.9	85.0	85.7	86.4	86.8	87.0	87.2	87.3	87.3	87.5	87.6
IV 3500		65.9	73.3	78.4	83.4	85.2	86.3	87.0	87.8	88.1	88.4	88.5	88.6	88.6	88.8	89.0
IV 3000		67.3	74.7	79.8	85.2	87.3	88.5	89.5	90.2	90.5	90.8	90.9	91.2	91.2	91.4	91.5
IV 2500		67.5	74.9	80.0	85.5	87.6	89.0	90.2	90.9	91.3	91.5	91.6	91.9	91.9	92.1	92.2
IV 2000		67.5	74.9	80.1	85.8	88.0	89.3	90.7	91.4	91.8	92.0	92.1	92.4	92.4	92.6	92.7
IV 1800		67.5	74.9	80.1	85.8	88.0	89.3	90.7	91.4	91.8	92.0	92.1	92.4	92.4	92.6	92.7
IV 1500		67.8	75.3	80.6	86.3	88.5	89.8	91.2	91.9	92.2	92.5	92.6	92.8	92.8	93.1	93.2
IV 1200		67.9	75.4	80.7	86.4	88.6	89.9	91.3	92.0	92.4	92.6	92.7	93.0	93.0	93.2	93.3
IV 1000		68.4	75.9	81.2	87.3	89.5	90.9	92.2	93.0	93.3	93.6	93.7	93.9	93.9	94.2	94.3
IV 900		68.5	76.0	81.3	87.4	89.6	91.0	92.4	93.1	93.6	93.9	94.1	94.3	94.3	94.5	94.7
IV 800		68.6	76.1	81.5	87.6	89.8	91.5	92.8	93.6	94.1	94.4	94.5	94.8	94.8	95.0	95.2
IV 700		68.7	76.4	81.7	87.9	90.1	91.8	93.2	93.9	94.4	94.8	94.9	95.2	95.2	95.4	95.5
IV 600		68.7	76.4	81.7	87.9	90.1	92.0	93.5	94.2	94.7	95.0	95.2	95.4	95.4	95.6	95.8
IV 500		68.7	76.4	81.7	88.0	90.2	92.4	93.8	94.8	95.3	95.6	95.8	96.0	96.0	96.2	96.5
IV 400		68.7	76.4	81.7	88.0	90.2	92.5	93.9	95.2	95.8	96.2	96.4	96.6	96.6	96.8	97.1
IV 300		68.7	76.4	81.9	88.2	90.5	93.3	94.8	96.0	96.7	97.2	97.6	97.8	97.8	98.2	98.5
IV 200		68.7	76.4	81.9	88.2	90.5	93.6	95.0	96.2	97.1	97.6	97.9	98.4	98.5	98.9	99.4
IV 100		68.7	76.4	81.9	88.2	90.5	93.6	95.0	96.2	97.1	97.6	97.9	98.4	98.5	99.0	99.8
IV 0		68.7	76.4	81.9	88.2	90.5	93.6	95.0	96.2	97.1	97.6	97.9	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 825

FEDERAL CLIMATOLOGY BRANCH
AFSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-457 FT LEONARD WOOD MO
STATION STATION NAME

73-61

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING		58.5	61.4	64.3	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000		64.3	67.5	70.7	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 18000		64.3	67.5	70.7	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 16000		64.4	67.6	70.9	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 14000		55.1	68.3	71.6	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000		66.2	69.4	72.7	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 10000		63.0	71.2	74.7	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000		66.2	71.5	74.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000		71.6	75.1	78.9	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000		72.4	75.9	80.0	81.9	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000		73.4	76.9	80.9	82.9	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		74.1	77.8	82.0	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500		74.5	79.2	82.4	84.3	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000		77.3	81.5	86.0	87.9	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		73.4	82.7	87.2	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000		80.0	85.0	89.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500		80.6	85.7	90.4	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000		81.1	86.3	91.0	93.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		81.3	86.6	91.2	93.5	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500		81.7	87.1	92.0	94.5	95.1	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200		82.5	87.9	92.9	95.6	96.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000		82.6	88.1	93.2	95.8	96.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		82.6	88.1	93.2	95.9	96.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		82.9	88.2	93.4	96.2	96.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		82.9	88.2	93.4	96.3	96.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		82.9	88.2	93.4	96.3	96.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500		82.9	88.2	93.4	96.4	97.0	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		82.9	88.2	93.6	96.9	97.5	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		82.9	88.2	93.6	96.9	97.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		82.9	88.2	93.6	97.0	97.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		82.9	88.2	93.6	97.0	97.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		82.9	88.2	93.6	97.0	97.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 634

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457
 STATION

FT. LEONARD WOOD MC
 STATION NAME

73-81
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS

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		51.4	52.4	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000		59.2	61.5	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000		59.2	61.5	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 16000		59.2	61.5	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000		59.8	62.1	62.8	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 12000		61.6	64.0	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000		63.8	66.2	66.9	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 9000		64.0	66.4	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000		67.2	69.7	70.4	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000		63.4	71.0	71.9	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000		69.3	72.0	72.8	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000		71.3	74.1	74.9	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 4500		73.1	76.1	77.3	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4000	.1	77.1	81.6	82.1	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	.2	81.3	84.8	86.4	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	.2	85.9	89.6	91.2	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	.2	87.4	91.7	92.6	93.8	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	.2	88.1	92.4	94.3	95.5	96.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	.2	88.2	92.5	94.4	95.6	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	.2	88.5	92.7	94.8	96.1	96.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	.2	86.7	93.0	95.2	96.5	97.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	.2	85.7	93.1	95.4	97.0	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	.2	88.8	93.3	95.6	97.2	97.8	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	.2	89.1	93.7	96.0	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	.2	89.1	93.9	96.2	97.9	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	.2	89.2	94.1	96.5	98.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	.2	89.2	94.1	96.5	98.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 825

RESEARCH CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MC
STATION STATION NAME

73-81

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.16	≥.1	≥.05	≥0
NO CEILING		54.1	56.6	57.6	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 18000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 16000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 14000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000		67.0	69.9	71.3	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000		70.9	73.8	75.2	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000		70.9	73.8	75.2	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000		73.7	76.7	78.1	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 7000		74.8	77.9	79.3	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000		75.7	79.1	80.9	81.5	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		77.4	81.0	82.9	83.6	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500		73.7	82.4	84.2	84.9	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	.1	81.2	84.8	86.8	87.8	87.9	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	.1	84.2	87.8	90.7	91.7	91.8	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3000	.1	87.3	91.1	94.0	95.0	95.2	95.4	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	.1	87.8	91.5	94.4	95.5	95.7	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	.1	88.5	92.8	95.8	97.1	97.2	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	.1	88.8	92.9	95.9	97.3	97.6	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	.1	88.9	93.1	96.1	97.6	97.8	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	.1	89.6	93.8	96.9	98.3	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LONARD WOOD MC
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS, LST

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	1.6	61.2	64.1	65.8	67.3	67.5	67.7	67.7	67.9	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 20000	1.7	69.9	73.1	75.2	76.9	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 18000	1.7	69.9	73.1	75.2	76.9	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 16000	1.7	69.9	73.1	75.2	76.9	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 14000	1.7	73.3	73.3	75.4	77.0	77.2	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IN 12000	1.9	70.6	74.0	76.1	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IN 10000	2.3	73.1	76.6	78.7	80.6	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IN 9000	2.3	73.3	76.7	78.9	80.7	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IN 8000	2.2	77.4	81.0	83.3	85.3	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IN 7000	2.2	78.9	82.5	84.8	86.8	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 6000	2.2	80.0	83.8	86.3	88.3	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IN 5000	2.5	81.1	85.0	87.4	89.4	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IN 4500	2.5	81.5	85.6	88.1	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IN 4000	2.5	82.5	86.7	89.6	91.5	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 3500	2.5	83.3	87.6	90.4	92.4	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IN 3000	2.5	85.2	89.4	92.3	94.3	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IN 2500	2.5	85.8	91.0	92.9	94.9	95.1	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IN 2000	2.7	87.2	91.4	94.3	96.3	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 1800	2.7	87.2	91.4	94.3	96.3	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 1500	2.7	87.3	91.5	94.5	96.5	96.8	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 1200	2.7	87.7	91.9	95.0	97.0	97.3	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IN 1000	2.7	87.9	92.4	95.5	97.5	97.9	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IN 900	2.7	88.1	92.5	95.8	97.8	98.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 800	2.7	88.4	92.9	96.1	98.1	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IN 700	2.9	88.6	93.0	96.3	98.4	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 600	2.9	88.6	93.0	96.4	98.5	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 500	2.9	88.6	93.0	96.4	98.5	98.9	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 400	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 300	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 200	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 100	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 0	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 804

CENTRAL CLIMATOLOGY BRANCH
WAFB
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

441
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2130-2300
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	22.0	69.7	69.7	71.3	73.1	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	23.0	75.8	75.8	77.4	79.1	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 18000	23.9	75.8	75.8	77.4	79.1	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 16000	23.8	75.8	75.8	77.4	79.1	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 14000	24.2	76.2	76.2	77.8	79.6	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 12000	24.9	77.4	77.4	78.9	80.7	81.8	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 10000	25.3	79.8	79.8	81.4	83.2	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	25.3	79.8	79.8	81.4	83.2	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	26.7	83.0	83.0	84.5	86.3	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 7000	26.7	83.6	83.6	85.4	87.2	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 6000	26.7	83.9	83.9	85.7	87.4	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 5000	27.1	85.4	85.4	87.2	89.0	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4500	27.1	86.3	86.3	88.1	89.9	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	27.6	88.3	88.3	90.1	91.9	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3500	27.6	88.6	88.6	90.4	92.2	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	27.8	90.8	91.0	92.8	94.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	27.8	90.6	91.0	92.8	94.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	28.5	92.6	92.8	94.8	96.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	28.5	92.6	92.8	95.1	96.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	28.5	92.6	92.8	95.3	97.3	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	28.5	92.6	92.8	95.3	97.3	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 446

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
4TH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JUL
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	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	3.9	5.9	58.8	60.8	62.6	63.2	63.6	63.8	64.0	64.0	64.1	64.1	64.2	64.2	64.2	64.3
≥20000	4.1	6.2	66.1	68.6	70.5	71.2	71.6	71.8	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.3
≥18000	4.1	63.0	66.1	68.6	70.5	71.2	71.6	71.9	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3
≥16000	4.1	63.0	66.1	68.6	70.5	71.2	71.7	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.3
≥14000	4.1	63.3	66.5	68.9	70.8	71.5	72.0	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.6	72.6
≥12000	4.2	64.3	67.5	70.0	71.9	72.6	73.1	73.3	73.4	73.5	73.5	73.6	73.6	73.6	73.7	73.7
≥10000	4.4	67.3	70.7	73.3	75.3	76.0	76.5	76.7	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.2
≥9000	4.4	67.5	70.9	73.5	75.5	76.2	76.6	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.3	77.3
≥8000	4.5	71.0	74.6	77.3	79.4	80.1	80.6	80.8	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.3
≥7000	4.6	72.1	75.7	78.5	80.7	81.4	81.9	82.1	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6
≥6000	4.6	72.9	76.6	79.5	81.6	82.4	82.9	83.1	83.3	83.4	83.4	83.5	83.5	83.5	83.6	83.6
≥5000	4.7	74.1	78.0	80.9	83.0	83.8	84.3	84.5	84.7	84.8	84.9	84.9	85.0	85.0	85.0	85.1
≥4500	4.7	75.1	79.0	82.0	84.2	85.0	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.2	86.2
≥4000	4.8	77.3	81.4	84.6	86.9	87.6	88.2	88.4	88.6	88.7	88.8	88.8	88.9	88.9	88.9	89.0
≥3500	4.8	79.0	83.2	86.6	88.9	89.7	90.3	90.5	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.1
≥3000	4.8	81.3	85.7	89.1	91.6	92.4	93.1	93.4	93.6	93.7	93.7	93.8	93.8	93.8	93.9	94.0
≥2500	4.8	81.9	86.4	89.8	92.3	93.2	93.8	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8	94.8
≥2000	4.9	82.6	87.2	90.7	93.3	94.3	94.9	95.4	95.7	95.7	95.8	95.8	95.9	95.9	96.0	96.0
≥1800	4.9	82.7	87.3	90.8	93.4	94.4	95.1	95.6	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.2
≥1500	4.9	82.8	87.5	91.1	93.8	94.8	95.6	96.2	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.8
≥1200	4.9	83.2	87.9	91.5	94.2	95.2	96.1	96.6	96.9	97.0	97.0	97.1	97.1	97.1	97.2	97.3
≥1000	4.9	83.4	88.1	91.8	94.6	95.7	96.6	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.8
≥900	4.9	83.5	88.2	91.9	94.7	95.8	96.7	97.3	97.5	97.6	97.7	97.7	97.8	97.8	97.9	98.0
≥800	4.9	83.7	88.5	92.2	95.1	96.1	97.1	97.6	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3
≥700	4.9	83.7	88.6	92.3	95.2	96.2	97.2	97.8	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5
≥600	4.9	83.7	88.6	92.4	95.3	96.3	97.4	98.0	98.3	98.4	98.5	98.5	98.6	98.6	98.7	98.8
≥500	4.9	83.7	88.6	92.4	95.4	96.4	97.5	98.2	98.5	98.6	98.7	98.7	98.8	98.8	98.9	99.0
≥400	4.9	83.8	88.6	92.5	95.5	96.5	97.7	98.4	98.7	98.8	99.0	99.0	99.1	99.1	99.2	99.3
≥300	4.9	83.8	88.6	92.5	95.5	96.6	97.9	98.5	98.9	99.1	99.2	99.2	99.4	99.4	99.5	99.7
≥200	4.9	83.8	88.6	92.5	95.6	96.6	97.9	98.6	98.9	99.1	99.3	99.3	99.5	99.5	99.7	99.8
≥100	4.9	83.8	88.6	92.5	95.6	96.6	97.9	98.6	98.9	99.1	99.3	99.3	99.5	99.5	99.7	99.9
≥0	4.9	83.8	88.6	92.5	95.6	96.6	97.9	98.6	98.9	99.1	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5066

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14457
STATION

FT LEONARD WOOD MC
STATION NAME

73-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0200
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.4	≥.3	≥.25	≥.20
NO CEILING	18.8	72.6	75.8	75.8	75.8	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.9
≥ 20000	19.4	78.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 18000	19.4	75.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 16000	19.4	78.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 14000	19.4	78.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 12000	19.4	79.6	82.6	83.3	83.3	83.3	83.9	84.9	84.9	85.5	85.5	85.5	85.5	85.5	86.0	86.5
≥ 10000	19.9	83.9	87.1	87.6	87.6	87.6	88.2	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.9	90.9
≥ 9000	19.9	83.9	87.1	87.6	87.6	87.6	88.2	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.9	90.9
≥ 8000	19.9	86.0	89.2	89.8	89.8	89.8	90.3	91.9	91.9	92.5	92.5	92.5	92.5	92.5	93.0	93.0
≥ 7000	19.9	86.0	89.2	89.8	89.8	89.8	90.3	91.9	91.9	92.5	92.5	92.5	92.5	92.5	93.0	93.0
≥ 6000	19.9	86.0	89.2	89.8	89.8	89.8	90.3	91.9	91.9	92.5	92.5	92.5	92.5	92.5	93.0	93.0
≥ 5000	20.4	86.6	89.8	90.3	90.3	90.3	90.9	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.5	93.5
≥ 4500	20.4	86.6	89.8	90.3	90.3	90.3	90.9	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.5	93.5
≥ 4000	20.4	88.2	91.4	93.0	93.0	93.0	93.5	95.2	95.2	95.7	95.7	95.7	95.7	95.7	96.2	96.2
≥ 3500	20.4	88.2	91.9	93.5	93.5	93.5	94.1	95.7	95.7	96.2	96.2	96.2	96.2	96.2	96.8	96.8
≥ 3000	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 2500	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 2000	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1800	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1500	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1200	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1000	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 900	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 800	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 700	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 600	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 500	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 400	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 300	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 200	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 100	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 0	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 186

SEVERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14457 FT LEONARD WOOD MO

73-79

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	8.5	55.7	61.6	63.6	66.9	68.3	69.8	70.4	70.4	70.7	70.7	70.7	70.7	70.7	71.0	71.6
≥ 20000	9.4	57.8	63.6	66.0	69.2	70.7	72.4	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.6	74.2
IV 18000	9.4	57.8	63.6	66.0	69.2	70.7	72.4	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.6	74.2
IV 16000	9.4	57.8	63.6	66.0	69.2	70.7	72.4	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.6	74.2
IV 14000	9.4	58.1	63.9	66.3	69.5	71.0	72.7	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.9	74.5
IV 12000	9.4	58.5	65.7	68.0	71.3	72.7	74.5	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.7	76.2
IV 10000	9.7	63.0	69.2	71.6	75.1	76.8	78.6	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.8	80.4
IV 9000	9.7	63.0	69.2	71.6	75.1	76.8	78.6	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.8	80.4
IV 8000	10.0	66.0	72.1	75.1	78.9	80.6	82.7	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.9	84.5
IV 7000	10.0	66.3	72.4	75.4	79.2	80.9	83.0	83.6	83.6	83.9	83.9	83.9	83.9	83.9	84.2	84.8
IV 6000	10.0	67.2	73.3	76.2	80.1	81.8	83.9	84.5	84.5	84.8	84.8	84.8	84.8	84.8	85.0	85.6
IV 5000	10.3	66.0	74.2	77.1	80.9	82.7	84.8	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.9	86.5
IV 4500	10.3	68.3	74.8	77.7	81.5	83.3	85.3	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.5	87.1
IV 4000	10.3	69.2	75.7	78.9	82.7	84.5	86.5	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	88.3
IV 3500	10.3	70.1	76.5	79.8	83.6	85.3	87.4	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.6	89.1
IV 3000	10.3	71.0	77.4	80.6	84.5	86.2	88.3	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.4	90.0
IV 2500	10.3	71.8	78.3	81.8	85.6	87.4	89.4	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.6	91.2
IV 2000	10.3	73.0	79.5	83.0	87.1	88.9	90.9	91.5	91.5	91.8	91.8	91.8	91.8	91.8	92.1	92.7
IV 1800	10.3	73.3	79.8	83.3	87.4	89.1	91.2	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.4	93.0
IV 1500	10.3	74.2	80.6	84.2	88.3	90.0	92.1	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.3	93.8
IV 1200	10.3	74.2	80.6	84.2	88.3	90.0	92.1	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.3	93.8
IV 1000	10.3	74.5	80.9	84.5	88.6	90.3	92.4	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.5	94.1
IV 900	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.8	94.4
IV 800	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.5	93.5	93.8	93.8	93.8	93.8	93.8	94.1	94.7
IV 700	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.5	93.5	93.8	93.8	93.8	93.8	93.8	94.1	94.7
IV 600	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.5	93.5	93.8	93.8	93.8	93.8	93.8	94.1	94.7
IV 500	10.3	74.8	81.2	84.8	89.1	90.9	93.0	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.4	95.0
IV 400	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.6	96.2
IV 300	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.2	97.7
IV 200	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.5	97.9
IV 100	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.5	97.9
IV 0	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.5	97.9

TOTAL NUMBER OF OBSERVATIONS 341

GENERAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
124457

STATION NAME
FT LEONARD WOOD MO

73-81

YEARS

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

627-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥0
NO CEILING	.5	37.1	45.1	50.8	56.1	57.6	59.3	60.1	60.3	60.3	60.6	60.6	60.7	60.8	61.2	61.4
IV 20000	.5	41.6	50.2	56.3	61.9	63.6	65.3	66.1	66.4	66.5	66.7	66.7	66.9	67.0	67.5	67.7
IV 18000	.5	41.7	50.3	56.5	62.0	63.7	65.4	66.3	66.5	66.6	66.9	66.9	67.0	67.1	67.6	67.8
IV 16000	.5	41.7	50.3	56.5	62.0	63.7	65.4	66.3	66.5	66.6	66.9	66.9	67.0	67.1	67.6	67.8
IV 14000	.5	42.1	50.7	56.8	62.4	64.1	65.8	66.6	66.9	67.0	67.2	67.2	67.4	67.5	68.0	68.2
IV 12000	.5	43.0	51.9	58.0	63.6	65.3	67.0	67.8	68.1	68.2	69.4	68.4	68.6	68.7	69.2	69.4
IV 10000	.5	46.8	56.1	62.6	68.7	70.4	72.2	73.0	73.3	73.4	73.6	73.6	73.8	73.9	74.4	74.6
IV 9000	.5	46.9	56.2	62.8	68.9	70.6	72.4	73.3	73.5	73.6	73.9	73.9	74.0	74.1	74.6	74.8
IV 8000	.5	49.1	58.4	65.7	72.3	74.1	76.2	77.3	77.5	77.8	78.1	78.1	78.4	78.5	79.0	79.2
IV 7000	.5	50.4	60.1	67.4	74.2	76.1	78.1	79.2	79.4	79.8	80.2	80.2	80.4	80.5	81.0	81.3
IV 6000	.5	51.4	61.3	68.6	75.7	77.5	79.6	80.7	80.9	81.3	81.6	81.6	81.9	82.0	82.5	82.7
IV 5000	.5	52.5	62.8	70.1	77.5	79.3	81.4	82.5	82.7	83.1	83.4	83.4	83.7	83.8	84.3	84.5
IV 4500	.5	53.3	63.7	71.1	79.0	80.3	82.8	83.9	84.2	84.5	84.9	84.9	85.1	85.2	85.7	86.0
IV 4000	.5	54.7	65.1	72.6	80.5	82.5	84.5	85.6	85.9	86.2	86.6	86.6	86.8	86.9	87.4	87.7
IV 3500	.5	54.8	65.2	72.7	80.8	82.7	84.8	85.9	86.1	86.5	86.8	86.8	87.1	87.2	87.7	87.9
IV 3000	.5	55.6	66.5	74.1	82.5	84.4	86.5	87.5	87.8	88.1	88.5	88.5	88.8	88.9	89.4	89.6
IV 2500	.5	56.2	67.1	74.8	83.3	85.2	87.3	88.4	88.6	89.0	89.4	89.4	89.6	89.7	90.2	90.4
IV 2000	.5	57.1	68.0	75.7	84.2	86.1	88.1	89.2	89.5	90.0	90.3	90.3	90.6	90.7	91.2	91.4
IV 1800	.5	57.1	68.0	75.7	84.3	86.2	88.3	89.4	89.6	90.1	90.4	90.4	90.7	90.8	91.3	91.5
IV 1500	.5	57.2	68.1	75.9	84.6	86.7	88.8	89.8	90.1	90.6	90.9	90.9	91.2	91.3	91.8	92.0
IV 1200	.5	57.2	68.3	76.1	84.9	86.9	89.0	90.2	90.4	90.9	91.3	91.3	91.5	91.7	92.1	92.4
IV 1000	.5	57.4	68.6	76.4	85.4	87.4	89.5	90.7	90.9	91.4	91.8	91.8	92.0	92.1	92.6	92.9
IV 900	.5	57.6	68.7	76.5	85.5	87.7	89.8	91.1	91.3	91.8	92.1	92.1	92.4	92.5	93.0	93.2
IV 800	.5	57.9	69.2	77.0	86.1	88.3	90.6	91.8	92.1	92.6	93.0	93.0	93.2	93.3	93.8	94.1
IV 700	.5	58.2	69.4	77.3	86.5	88.8	91.1	92.3	92.6	93.1	93.5	93.5	93.7	93.8	94.3	94.6
IV 600	.5	58.3	69.6	77.5	86.7	89.1	91.5	92.7	93.1	93.6	94.0	94.0	94.2	94.3	94.8	95.0
IV 500	.5	58.3	69.8	77.6	86.8	89.4	91.9	93.1	93.6	94.1	94.4	94.4	94.7	94.8	95.3	95.6
IV 400	.5	58.3	69.8	77.6	87.2	89.7	92.3	93.6	94.6	95.0	95.4	95.4	95.6	95.8	96.6	97.1
IV 300	.5	58.3	69.8	77.8	87.4	90.1	92.6	94.1	95.3	95.9	96.4	96.4	96.9	97.1	98.1	98.7
IV 200	.5	58.3	69.8	77.9	87.5	90.2	92.7	94.2	95.4	96.0	96.6	96.6	97.5	97.7	99.0	99.6
IV 100	.5	58.3	69.8	77.9	87.5	90.2	92.7	94.2	95.4	96.0	96.6	96.6	97.5	97.7	99.2	100.0
IV 0	.5	58.3	69.8	77.9	87.5	90.2	92.7	94.2	95.4	96.0	96.6	96.6	97.5	97.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 627

7] CENTRAL CLIMATOLOGY BRANCH
 AFMSTAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10457 FT LEONARD WOOD MO
 STATION

73-81

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2942-110
 HOURS

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	51.1	55.7	57.8	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	57.3	62.6	64.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	57.4	62.7	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	66.6
≥ 16000	57.5	62.8	64.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	58.4	63.6	65.7	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
≥ 12000	59.2	64.5	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	62.9	67.7	71.4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	53.2	60.1	71.7	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	64.7	71.7	73.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	65.4	72.7	75.4	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	66.7	73.1	75.7	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
≥ 5000	66.1	74.6	77.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	69.1	75.7	78.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	71.9	78.3	82.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	72.5	79.4	82.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	1.1	76.0	82.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	1.1	76.7	83.7	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	1.1	77.5	84.6	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	1.1	77.5	84.6	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	1.1	78.6	85.8	89.8	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	1.1	78.2	86.4	90.4	93.7	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	1.2	80.5	87.8	92.1	95.5	95.7	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	1.2	81.9	89.2	92.5	95.8	96.1	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	1.2	81.0	88.3	92.6	95.9	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	1.2	81.1	88.4	92.7	96.1	96.3	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	1.2	81.5	88.8	93.2	96.5	96.8	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	1.2	81.7	89.3	93.4	96.9	97.5	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	1.2	81.7	89.0	93.4	97.0	97.6	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	1.2	81.7	89.8	93.4	97.0	97.6	99.7	99.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	1.2	81.7	89.0	93.4	97.0	97.6	99.3	99.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	1.2	81.7	89.0	93.4	97.0	97.6	99.0	99.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	1.2	81.7	89.0	93.4	97.0	97.6	99.0	99.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

FAA METEOROLOGICAL BRANCH
 METEOROLOGICAL SERVICE/FAA

CEILING VERSUS VISIBILITY

STATION: LEONARD 4000 M
 STATION NAME

73-81
 YEARS

12-1-73
 DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	0.7	41.5	51.9	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	0.7	57.5	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	0.7	57.5	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 16000	0.7	57.7	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	0.7	59.7	61.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	1.2	60.1	62.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000	1.0	63.0	66.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	1.0	63.0	66.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	1.0	65.5	69.3	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	1.0	67.1	71.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 6000	1.0	67.5	71.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	1.3	69.0	73.1	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500	1.3	70.1	74.5	76.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	1.3	74.9	79.9	81.2	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500	1.3	77.7	82.9	85.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	1.2	84.4	89.9	92.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	1.2	85.4	91.0	93.4	95.0	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	1.2	86.3	92.3	94.7	96.5	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	1.2	86.3	92.3	94.7	96.6	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	1.2	87.3	93.3	95.7	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	1.2	87.3	93.3	95.7	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	1.2	87.4	93.5	95.9	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	1.2	87.7	93.8	96.2	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	1.2	87.9	94.0	96.4	98.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	1.2	87.9	94.0	96.4	98.8	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	1.2	87.9	94.0	96.4	98.9	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	1.2	87.9	94.0	96.4	98.9	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	1.2	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	1.2	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	1.2	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	1.2	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	1.2	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 875

CENTRAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2457
STATION

FT LEONARD WOOD MO
STATION NAME

73-61
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	54.6	57.1	58.1	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
≥ 20000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 18000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 16000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 12000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 9000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 8000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 7000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3500	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2500	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1800	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1500	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1200	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1000	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 900	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 800	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 700	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 600	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 500	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 400	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 300	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 200	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 100	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 0	64.3	66.2	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5

TOTAL NUMBER OF OBSERVATIONS 327

CLIMATE CLIMATOLOGY BRANCH
ETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

FT LEONARD WOOD MO

73-81

YEARS

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	4.7	62.7	65.1	66.6	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 20000	4.9	68.1	70.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 18000	4.7	68.1	70.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 16000	4.9	68.1	70.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 14000	4.7	68.1	70.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 12000	4.9	68.1	70.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 10000	5.2	73.5	76.4	78.4	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 9000	5.2	73.5	76.4	78.4	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 8000	5.4	78.2	81.3	83.5	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	5.4	79.1	82.3	84.4	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 6000	5.4	79.5	83.0	85.4	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	5.5	81.4	85.7	87.4	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4500	5.5	81.8	85.4	88.0	90.4	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	5.5	82.9	86.5	89.2	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3500	5.5	83.2	86.3	89.6	92.4	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	5.5	85.1	88.8	91.6	94.6	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	5.6	86.2	89.9	92.7	95.8	96.6	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	5.6	86.6	90.3	93.3	96.4	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	5.6	86.6	90.3	93.3	96.4	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	5.6	86.7	90.4	93.4	96.5	97.4	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	5.6	86.8	90.5	93.5	96.6	97.5	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	5.6	86.8	90.5	93.5	96.6	97.5	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	5.6	87.1	91.8	93.6	97.0	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 834

AL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774457
STATION

FT LEONARD 4000 MO
STATION NAME

73-79,81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	22.7	69.9	71.0	72.3	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 18000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 16000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 14000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 12000	24.0	75.1	76.2	77.5	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 10000	24.5	75.4	79.7	81.0	81.9	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	24.5	75.4	79.7	81.0	81.9	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 8000	24.5	83.2	85.2	86.5	87.6	87.6	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 7000	24.5	83.6	85.6	86.9	88.0	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 6000	24.5	83.8	85.8	87.3	88.4	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 5000	24.5	85.6	87.6	89.1	90.2	90.2	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4500	24.9	86.0	88.0	89.5	90.8	90.8	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4000	24.9	87.6	89.7	91.5	92.8	92.8	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3500	24.9	88.4	90.6	92.4	94.1	94.1	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	24.9	90.0	92.4	94.3	96.1	96.1	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2500	25.1	90.2	92.6	94.5	96.3	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	25.1	90.2	92.6	94.5	96.3	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 452

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MO

73-81

YEARS

ALL

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	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	4.4	53.6	57.4	59.5	61.2	61.6	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.5	62.5
≥ 20000	4.7	60.0	64.1	66.4	68.2	68.6	69.0	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.6	69.6
IV 18000	4.7	60.1	64.1	66.4	68.2	68.6	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.5	69.6	69.7
IV 16000	4.7	60.1	64.2	66.5	68.3	68.7	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.7	69.7
IV 14000	4.7	60.6	64.6	66.9	68.7	69.2	69.6	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.1	70.2
IV 12000	4.8	61.5	65.7	67.9	69.8	70.2	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.2	71.2	71.2
IV 10000	4.9	65.3	69.9	72.3	74.3	74.7	75.2	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.8	75.8
IV 9000	4.9	65.3	70.0	72.4	74.4	74.8	75.3	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.9	75.9
IV 8000	5.0	68.5	73.4	76.1	78.3	78.8	79.4	79.6	79.7	79.8	79.8	79.8	79.9	79.9	80.0	80.1
IV 7000	5.0	69.7	74.7	77.4	79.7	80.2	80.8	81.1	81.1	81.2	81.3	81.3	81.3	81.4	81.5	81.5
IV 6000	5.0	70.4	75.5	78.2	80.6	81.1	81.6	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.3	82.4
IV 5000	5.0	71.7	76.9	79.8	82.3	82.8	83.4	83.7	83.8	83.9	83.9	83.9	84.0	84.0	84.1	84.2
IV 4500	5.0	72.4	77.8	80.8	83.4	84.0	84.5	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.3
IV 4000	5.0	74.7	80.2	83.4	86.1	86.7	87.3	87.6	87.7	87.8	87.8	87.9	87.9	87.9	88.1	88.1
IV 3500	5.0	75.7	81.4	84.7	87.7	88.3	88.9	89.2	89.3	89.4	89.4	89.5	89.5	89.5	89.7	89.7
IV 3000	5.1	78.6	84.6	87.9	91.0	91.6	92.2	92.6	92.6	92.7	92.8	92.8	92.8	92.9	93.0	93.1
IV 2500	5.2	79.5	85.5	89.0	92.2	92.8	93.4	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.3	94.3
IV 2000	5.2	80.2	86.3	89.8	93.2	93.6	94.4	94.8	94.8	95.0	95.1	95.1	95.1	95.2	95.3	95.3
IV 1800	5.2	80.2	86.3	89.9	93.3	93.9	94.5	94.9	94.9	95.1	95.1	95.2	95.2	95.2	95.4	95.4
IV 1500	5.2	80.7	86.8	90.4	93.9	94.6	95.2	95.6	95.6	95.8	95.9	95.9	95.9	96.0	96.1	96.2
IV 1200	5.2	80.8	86.9	90.5	94.1	94.8	95.5	95.8	95.9	96.1	96.2	96.2	96.2	96.3	96.4	96.4
IV 1000	5.2	81.1	87.3	90.9	94.6	95.3	96.0	96.4	96.4	96.6	96.7	96.7	96.7	96.8	96.9	96.9
IV 900	5.2	81.3	87.5	91.1	94.8	95.5	96.2	96.6	96.7	96.9	97.0	97.0	97.0	97.1	97.2	97.2
IV 800	5.2	81.5	87.7	91.3	95.1	95.8	96.5	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.6	97.6
IV 700	5.2	81.6	87.8	91.4	95.2	96.0	96.7	97.1	97.3	97.5	97.5	97.6	97.6	97.7	97.8	97.8
IV 600	5.2	81.6	87.9	91.5	95.4	96.2	97.0	97.4	97.5	97.7	97.8	97.8	97.9	97.9	98.1	98.1
IV 500	5.2	81.7	87.9	91.6	95.5	96.4	97.2	97.6	97.7	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 400	5.2	81.7	88.0	91.6	95.6	96.5	97.5	98.0	98.2	98.5	98.5	98.5	98.6	98.7	98.9	98.9
IV 300	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.1	98.5	98.8	98.9	98.9	99.0	99.1	99.4	99.5
IV 200	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.2	98.6	98.9	99.0	99.1	99.2	99.3	99.7	99.9
IV 100	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.2	98.6	98.9	99.0	99.1	99.3	99.3	99.7	100.0
IV 0	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.2	98.6	98.9	99.0	99.1	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5154

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 24457 ST LEONARD WOOD MO

73-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	7.3	45.3	46.9	46.9	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 ≥ 18000	7.3	49.7	52.5	52.5	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 ≥ 16000	7.3	49.7	52.5	52.5	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 ≥ 14000	7.3	49.7	52.5	52.5	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 ≥ 12000	7.3	49.7	52.5	52.5	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 ≥ 10000	5.9	55.4	59.2	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV ≥ 9000	5.9	55.4	59.2	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV ≥ 8000	4.5	54.7	61.5	62.0	63.1	63.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV ≥ 7000	4.5	60.3	63.1	63.7	64.8	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV ≥ 6000	4.5	61.5	64.2	64.8	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV ≥ 5000	10.1	63.1	66.5	67.0	69.3	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV ≥ 4500	10.1	65.9	69.3	69.8	72.1	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV ≥ 4000	10.1	67.6	70.9	71.5	73.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV ≥ 3500	10.1	67.6	70.9	72.1	74.3	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV ≥ 3000	11.2	71.5	74.9	76.0	78.2	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV ≥ 2500	11.2	71.5	74.9	76.0	78.2	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV ≥ 2000	11.2	72.1	75.4	76.5	78.8	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV ≥ 1800	11.2	72.1	75.4	76.5	79.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV ≥ 1500	11.2	72.6	76.5	77.7	80.4	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV ≥ 1200	11.2	75.4	79.3	80.4	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV ≥ 1000	11.7	77.7	81.6	82.7	85.5	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV ≥ 900	11.7	78.2	82.1	83.2	86.0	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV ≥ 800	11.7	78.3	82.7	83.8	86.6	86.6	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV ≥ 700	11.7	80.4	84.9	86.0	88.8	89.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV ≥ 600	11.7	80.4	84.9	86.0	89.4	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV ≥ 500	11.7	82.1	86.6	87.7	92.2	92.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV ≥ 400	11.7	82.1	86.6	87.7	92.2	93.3	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV ≥ 300	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV ≥ 200	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 100	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 0	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 179

USAF CLIMATOLOGY BRANCH
ETAC
DATA SERVICE/MAC

CEILING VERSUS VISIBILITY

14457
STATION

FT LEONARD WOOD MO
STATION NAME

73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500
HOURS

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	13.4	47.4	51.2	50.2	51.7	52.3	53.5	54.1	54.1	54.4	54.4	54.4	54.4	54.4	55.0	55.0
≥ 20000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 18000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 16000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 14000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 12000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 10000	14.3	54.1	56.8	57.4	58.7	59.3	60.8	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.9	62.9
≥ 9000	14.3	54.1	56.8	57.4	58.7	59.3	60.8	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.9	62.9
≥ 8000	15.2	57.1	59.9	60.8	62.0	62.6	64.1	65.3	65.3	65.7	65.7	65.7	65.7	65.7	66.3	66.3
≥ 7000	15.5	59.0	61.7	62.6	63.8	64.4	66.0	67.2	67.2	67.5	67.5	67.5	67.5	67.5	68.1	68.1
≥ 6000	15.5	59.6	62.3	63.2	64.4	65.3	66.9	68.1	68.1	68.4	68.4	68.4	68.4	68.4	69.0	69.0
≥ 5000	16.7	62.3	65.7	66.0	67.5	68.4	69.9	71.1	71.1	71.4	71.4	71.4	71.4	71.4	72.0	72.0
≥ 4500	16.7	63.5	65.9	67.8	69.9	71.8	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	74.5	74.5
≥ 4000	16.7	65.7	69.7	70.2	72.6	73.6	75.1	76.3	76.3	76.6	76.6	76.6	76.6	76.6	77.2	77.2
≥ 3500	16.7	66.0	69.3	70.5	72.9	73.9	75.4	76.6	76.6	76.9	76.9	76.9	76.9	76.9	77.5	77.5
≥ 3000	17.6	67.2	70.5	72.0	74.5	75.4	77.2	78.4	78.4	78.7	78.7	78.7	78.7	78.7	79.3	79.3
≥ 2500	17.6	68.1	71.4	72.9	75.4	76.3	78.1	79.3	79.3	79.6	79.6	79.6	79.6	79.6	80.2	80.2
≥ 2000	17.6	68.1	71.4	72.9	75.4	76.3	78.1	79.3	79.3	79.6	79.6	79.6	79.6	79.6	80.2	80.2
≥ 1800	17.6	68.7	72.0	73.6	76.6	77.5	79.3	80.5	80.5	80.9	80.9	80.9	80.9	80.9	81.5	81.5
≥ 1500	17.6	70.2	73.9	75.1	78.1	79.0	80.9	82.1	82.1	82.4	82.4	82.4	82.4	82.4	83.0	83.0
≥ 1200	17.6	70.5	73.9	75.4	78.4	79.3	81.2	82.4	82.4	82.7	82.7	82.7	82.7	82.7	83.3	83.3
≥ 1000	17.6	70.8	74.5	76.0	79.0	79.9	81.8	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.9	83.9
≥ 900	17.6	70.8	74.5	76.3	79.6	80.5	82.4	83.6	83.6	83.9	83.9	83.9	83.9	83.9	84.5	84.5
≥ 800	17.6	71.1	74.8	76.6	80.2	81.2	83.0	84.2	84.2	84.5	84.5	84.5	84.5	84.5	85.1	85.1
≥ 700	17.6	72.6	76.3	78.4	82.1	83.0	84.8	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.9	86.9
≥ 600	17.6	73.3	76.9	79.0	83.0	83.9	86.0	87.2	87.2	87.5	87.5	87.5	87.5	87.5	88.1	88.1
≥ 500	17.6	73.3	76.9	79.0	83.3	84.2	87.2	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.7	89.7
≥ 400	17.6	73.3	76.9	79.0	83.9	84.8	87.8	90.3	90.3	90.9	90.9	90.9	90.9	90.9	91.5	91.5
≥ 300	17.6	73.6	77.2	79.6	84.5	85.4	88.4	91.8	92.1	92.7	93.0	93.0	93.0	93.0	93.9	93.9
≥ 200	17.6	73.6	77.2	79.6	84.8	85.7	89.4	93.3	93.9	95.1	95.7	95.7	95.7	95.7	96.0	96.0
≥ 100	17.6	73.6	77.2	79.6	84.8	85.7	89.4	93.3	94.2	95.4	96.4	96.4	96.4	96.4	96.7	96.7
≥ 0	17.6	73.6	77.2	79.6	84.8	85.7	89.4	93.3	94.2	95.4	96.4	96.4	96.4	96.4	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 329

LOCAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO.
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-2400
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING		39.2	43.9	46.0	51.6	52.8	54.0	54.8	55.6	55.9	56.3	56.4	56.5	56.5	56.6	57.1
≥ 20000		41.6	46.4	50.6	54.5	55.8	57.4	58.1	59.0	59.3	59.6	59.9	60.0	60.0	60.2	60.7
≥ 18000		41.6	46.4	50.6	54.5	55.8	57.4	58.1	59.0	59.3	59.6	59.9	60.0	60.0	60.2	60.7
≥ 16000		41.6	46.4	50.6	54.5	55.8	57.4	58.1	59.0	59.3	59.6	59.9	60.0	60.0	60.2	60.7
≥ 14000		42.1	47.7	51.3	55.1	56.4	58.0	58.8	59.6	59.9	60.3	60.5	60.7	60.7	60.8	61.3
≥ 12000		43.6	48.5	52.9	56.8	58.1	59.9	60.7	61.5	61.8	62.2	62.4	62.5	62.5	62.7	63.2
≥ 10000		45.6	50.9	55.4	59.5	61.0	63.0	63.8	64.7	65.0	65.4	65.7	65.8	65.8	65.9	66.4
≥ 9000		45.7	51.0	55.5	59.6	61.2	63.2	63.9	64.8	65.2	65.5	65.8	65.9	65.9	66.0	66.5
≥ 8000		48.9	54.4	59.3	63.9	65.4	67.4	68.2	69.0	69.7	70.1	70.3	70.4	70.4	70.6	71.2
≥ 7000		51.0	56.6	61.5	66.7	68.2	70.2	70.9	71.8	72.4	72.8	73.1	73.2	73.2	73.3	73.9
≥ 6000		52.5	58.3	63.2	68.3	69.8	71.8	72.6	73.4	74.1	74.4	74.7	74.8	74.8	74.9	75.6
≥ 5000		54.0	59.9	65.0	70.3	72.1	74.1	74.8	75.7	76.3	76.7	76.9	77.1	77.1	77.2	77.8
≥ 4500		55.6	62.0	67.2	72.6	74.3	76.7	77.6	78.6	79.2	79.6	79.8	79.9	79.9	80.1	80.7
≥ 4000		56.4	62.7	67.9	73.6	75.6	77.9	78.8	79.8	80.5	81.0	81.2	81.3	81.3	81.5	82.1
≥ 3500		56.5	62.8	68.0	73.8	75.8	78.3	79.2	80.2	80.8	81.3	81.6	81.7	81.7	81.8	82.5
≥ 3000		57.0	63.4	68.7	74.6	76.7	79.2	80.5	81.6	82.2	82.7	83.0	83.1	83.1	83.2	83.8
≥ 2500		57.1	63.9	69.4	75.7	77.8	80.5	81.7	82.8	83.5	84.0	84.2	84.3	84.3	84.5	85.1
≥ 2000		57.3	64.2	69.9	76.3	78.4	81.2	82.5	83.6	84.2	84.7	85.0	85.1	85.1	85.2	85.8
≥ 1800		57.3	64.2	69.9	76.3	78.4	81.2	82.5	83.6	84.2	84.7	85.0	85.1	85.1	85.2	85.8
≥ 1500		57.5	64.5	70.3	76.8	79.1	81.8	83.2	84.5	85.1	85.6	85.8	86.0	86.0	86.1	86.7
≥ 1200		58.0	65.0	70.8	77.8	80.1	83.0	84.5	85.7	86.3	86.8	87.1	87.2	87.2	87.3	88.0
≥ 1000		58.5	65.7	71.4	78.8	81.1	84.0	85.5	86.7	87.3	87.8	88.1	88.2	88.2	88.3	89.0
≥ 900		59.0	66.2	71.9	79.3	81.6	84.5	86.0	87.2	87.8	88.3	88.6	88.7	88.7	88.8	89.5
≥ 800		59.4	66.7	72.6	79.9	82.3	85.3	86.8	88.1	88.7	89.2	89.5	89.6	89.6	89.7	90.4
≥ 700		59.6	67.1	72.9	80.5	83.0	86.0	87.5	89.0	89.6	90.1	90.4	90.5	90.5	90.6	91.4
≥ 600		60.0	67.4	73.6	81.2	84.0	87.1	88.8	90.4	91.1	91.6	91.9	92.0	92.0	92.1	92.9
≥ 500		60.2	67.5	73.7	81.5	84.2	87.5	89.6	91.2	92.1	92.7	93.0	93.1	93.1	93.2	94.1
≥ 400		60.3	67.7	73.9	81.7	84.5	88.2	91.4	93.2	94.5	95.1	95.4	95.6	95.6	95.7	96.7
≥ 300		60.3	67.8	74.1	81.8	84.6	88.3	91.6	93.6	95.1	95.7	96.0	96.4	96.6	97.1	98.2
≥ 200		60.3	67.8	74.1	81.8	84.6	88.5	91.9	94.0	95.6	96.4	96.6	97.0	97.4	97.9	99.1
≥ 100		60.3	67.8	74.1	81.8	84.6	88.5	91.9	94.0	95.6	96.4	96.6	97.1	97.5	98.2	99.9
≥ 0		60.3	67.8	74.1	81.8	84.6	88.5	91.9	94.0	95.6	96.4	96.6	97.1	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 738

CLIMATE CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

SE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

999-110
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING		53.8	53.5	54.6	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000		55.0	57.8	58.5	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 18000		55.0	57.8	59.5	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000		55.0	57.8	59.5	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000		55.4	58.2	59.8	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000		57.2	60.2	61.8	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000		60.2	63.3	65.1	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000		60.4	63.5	65.4	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000		64.9	69.1	70.3	72.3	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000		66.4	69.6	71.9	73.9	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000		67.1	70.3	72.7	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000		67.7	71.0	73.7	75.6	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500		67.7	71.9	74.7	76.8	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000		69.6	73.2	75.9	78.1	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500		70.8	74.3	77.1	79.4	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000		72.3	75.9	78.9	81.2	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500		73.3	77.0	80.3	82.7	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000		74.7	78.6	82.3	84.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800		75.3	79.1	82.8	85.4	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500		77.0	81.6	85.3	88.0	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200		78.1	82.7	86.5	89.5	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1000		79.6	84.2	88.1	91.5	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900		79.7	84.3	88.4	91.7	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800		80.3	84.9	89.1	92.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700		80.5	85.3	89.5	93.2	94.7	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600		80.8	85.4	89.7	94.2	95.7	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500		81.0	85.9	90.4	94.7	96.3	97.2	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400		81.0	85.9	90.5	95.1	96.7	97.9	98.5	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 300		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 809

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13
NO CEILING	1.1	47.6	48.3	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	1.1	55.6	56.9	57.2	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	1.1	60.2	61.0	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	1.1	60.4	62.1	62.5	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	1.1	63.4	65.4	66.0	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	1.4	65.4	67.4	68.0	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	1.4	65.4	67.9	68.6	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 5000	1.4	66.4	69.7	69.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	1.4	69.2	70.3	71.9	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4000	1.4	70.8	73.8	74.9	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	1.4	73.4	76.5	77.6	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	1.4	74.1	81.2	82.6	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	1.4	81.1	84.7	86.3	88.1	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	1.4	82.4	86.3	88.0	90.1	90.7	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	1.4	83.4	87.3	89.0	91.1	91.7	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	1.4	84.9	88.8	91.0	93.6	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	1.4	84.9	88.8	91.0	93.6	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	1.4	85.7	89.5	91.8	94.8	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	1.4	85.7	89.5	92.0	94.9	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	1.4	85.9	90.1	92.6	95.8	96.5	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	1.4	85.9	90.2	92.7	96.0	96.8	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	1.4	86.2	90.6	93.2	96.8	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	1.4	86.4	90.9	93.4	97.0	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	1.4	86.4	90.9	93.4	97.0	98.3	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	1.4	86.4	90.9	93.4	97.0	98.3	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	1.4	86.4	90.9	93.4	97.0	98.3	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	1.4	86.4	90.9	93.4	97.2	98.4	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
U	1.4	86.4	90.9	93.4	97.2	98.4	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 609

GENERAL CLIMATOLOGY BRANCH
ETAC
NATIONAL SERVICE/NAO

CEILING VERSUS VISIBILITY

4457 AF LEONARD WOOD MO
STATION

73-81

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1946-1950
YEAR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	1.7	52.3	54.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	1.7	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	1.9	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	1.9	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	1.9	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	1.9	63.0	64.7	65.2	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 10000	1.9	63.2	69.9	70.8	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	1.9	68.3	70.1	70.9	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	1.9	71.4	73.4	74.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000	1.9	72.8	74.6	76.0	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	1.9	73.2	75.2	76.4	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 5000	1.9	74.4	76.5	77.8	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	1.9	76.6	78.9	80.4	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	1.9	79.3	81.7	83.4	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	1.9	81.1	84.3	85.7	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	1.9	83.5	86.6	88.3	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	1.9	85.3	89.7	90.6	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	1.9	87.0	90.3	92.2	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	1.9	87.1	90.4	92.3	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	1.9	87.1	90.4	92.5	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	1.9	87.5	91.3	93.0	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	1.9	88.1	91.6	93.6	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	1.9	88.6	92.7	94.3	96.6	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	1.9	88.7	92.3	94.5	96.9	97.6	97.9	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	1.9	83.7	92.4	94.7	97.3	98.3	98.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	1.9	88.7	92.4	94.7	97.4	98.4	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	1.9	88.7	92.4	94.7	97.4	98.4	99.1	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	1.9	88.7	92.4	94.7	97.4	98.4	99.1	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	1.9	88.7	92.4	94.7	97.4	98.4	99.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.9	88.7	92.4	94.7	97.4	98.4	99.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.9	88.7	92.4	94.7	97.4	98.4	99.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 605

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

CEILING VERSUS VISIBILITY

457 ST LEONARD WOOD MO

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1000

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	9.9	56.5	59.4	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	10.0	66.0	67.1	67.3	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 16000	10.0	66.0	67.1	67.3	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000	10.0	66.1	67.2	67.5	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	11.0	67.3	67.6	67.9	68.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	11.5	72.7	74.1	74.4	74.8	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	11.5	73.1	74.6	74.9	75.3	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000	11.7	75.7	77.4	77.8	78.4	78.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 7000	12.2	76.8	78.5	79.1	79.8	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	12.2	77.7	79.6	80.2	81.0	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000	12.3	80.0	81.2	82.7	83.7	83.7	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	12.3	81.5	83.4	84.2	85.2	85.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	12.6	82.7	84.5	85.3	86.3	86.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500	12.7	83.9	85.2	86.5	87.8	87.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	12.7	85.9	87.8	88.7	90.0	90.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2500	13.0	86.8	88.9	89.8	91.3	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	13.0	87.2	89.3	90.1	91.8	92.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	13.1	87.3	89.4	90.3	91.9	92.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	13.1	87.9	90.0	91.0	92.6	93.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	13.1	88.0	90.1	91.1	92.9	93.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	13.3	88.9	91.0	92.0	93.9	94.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	13.3	89.2	91.3	92.3	94.1	95.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	13.5	89.5	91.6	92.9	95.0	96.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	13.5	89.7	92.0	93.3	95.4	96.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	13.5	89.7	92.0	93.3	95.4	96.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	13.5	89.8	92.1	93.4	95.6	97.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
 AIR FORCE
 AIR FORCE SERVICE/MAJ

CEILING VERSUS VISIBILITY

STATION 457 ST. LEONARD WOOD MO
 STATION NAME

73-81

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-9-74

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.7	61.1	61.1	61.2	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	21.1	66.4	67.3	67.6	67.8	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	22.2	71.0	71.9	72.1	72.3	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 9000	22.4	71.2	72.1	72.3	72.6	72.8	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000	24.0	73.7	74.4	75.1	75.3	75.5	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	24.3	74.6	75.5	75.7	76.0	76.2	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000	24.3	75.7	76.9	77.6	77.8	78.0	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	24.7	76.5	77.6	78.5	78.8	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	24.9	80.3	81.6	82.3	83.0	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	25.6	81.6	83.0	83.7	84.6	84.8	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	25.6	82.8	84.1	84.8	85.7	85.9	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000	25.9	83.2	84.6	85.3	86.2	86.4	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	25.9	83.7	85.1	85.7	86.6	86.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	26.3	85.3	86.6	87.3	88.2	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	26.3	85.3	86.6	87.3	88.2	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500	26.3	85.5	86.9	87.5	88.4	88.7	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	26.5	86.4	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 400	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 300	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 200	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 100	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 0	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS 441

LOCAL CLIMATOLOGY BRANCH
 USAF ETAC
 STATION SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 4457 STATION NAME FT LEONARD WOOD MO

73-61

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

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	5.0	50.4	52.4	53.4	54.3	54.5	54.9	55.0	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.5
≥ 20000	7.2	50.1	50.3	50.5	60.7	61.0	61.4	61.6	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1
IV 18000	5.2	56.1	56.3	56.5	60.7	61.0	61.4	61.6	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1
IV 16000	5.2	56.1	56.3	56.5	60.7	61.0	61.4	61.6	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1
IV 14000	5.2	56.4	56.5	56.8	60.9	61.3	61.7	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.3	62.3
IV 12000	5.3	57.5	59.3	61.0	62.2	62.6	63.1	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7
IV 10000	5.6	61.6	64.1	65.4	66.7	67.2	67.7	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4
IV 9000	5.6	61.6	64.3	65.7	65.9	67.4	67.9	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.7
IV 8000	5.7	64.9	67.6	69.2	70.7	71.2	71.8	72.1	72.2	72.3	72.4	72.4	72.4	72.5	72.5	72.6
IV 7000	6.0	66.5	69.2	70.9	72.5	73.0	73.6	73.8	73.9	74.1	74.1	74.2	74.2	74.2	74.3	74.3
IV 6000	6.4	67.3	70.1	71.8	73.5	74.0	74.6	74.8	75.0	75.1	75.2	75.2	75.2	75.3	75.3	75.4
IV 5000	6.2	66.8	71.7	73.6	75.5	76.0	76.6	76.9	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.4
IV 4500	6.2	71.5	73.6	75.5	77.5	76.1	78.8	79.1	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.6
IV 4000	6.3	72.1	75.3	77.3	79.5	80.1	80.9	81.1	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.7
IV 3500	6.3	73.4	76.6	76.7	81.0	81.6	82.4	82.6	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.2
IV 3000	6.4	75.4	79.8	81.0	83.3	84.0	84.8	85.2	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.8
IV 2500	6.5	76.6	80.2	82.6	85.1	85.9	86.7	87.1	87.3	87.4	87.5	87.5	87.6	87.6	87.6	87.7
IV 2000	6.5	77.6	81.3	83.7	86.4	87.2	88.2	88.5	88.7	88.9	88.9	89.0	89.0	89.0	89.1	89.2
IV 1800	6.5	77.9	81.6	84.1	86.7	87.6	88.5	88.9	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.5
IV 1500	6.5	78.7	82.6	85.2	88.0	89.0	89.9	90.3	90.5	90.7	90.8	91.8	92.8	92.9	92.9	93.0
IV 1200	6.5	79.2	83.1	85.7	88.8	89.7	90.7	91.2	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.8
IV 1000	6.6	80.2	84.1	86.8	90.1	91.1	92.1	92.5	92.7	92.9	93.0	93.0	93.0	93.1	93.1	93.2
IV 900	6.6	80.4	84.4	87.1	90.4	91.4	92.5	92.9	93.1	93.3	93.4	93.4	93.4	93.5	93.5	93.6
IV 800	6.6	80.8	84.9	87.7	91.2	92.3	93.5	93.9	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.6
IV 700	6.7	81.1	85.2	88.2	91.7	93.0	94.2	94.7	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.5
IV 600	6.7	81.3	85.6	88.6	92.3	93.7	95.0	95.5	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.3
IV 500	6.7	81.5	85.8	88.8	92.7	94.2	95.7	96.3	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.3
IV 400	6.7	81.5	85.8	88.8	92.9	94.4	96.2	97.1	97.6	98.0	98.1	98.2	98.3	98.3	98.3	98.5
IV 300	6.7	81.5	85.9	88.9	93.0	94.6	96.3	97.4	98.0	98.4	98.6	98.7	98.8	98.8	98.9	99.1
IV 200	6.7	81.5	85.9	88.9	93.0	94.6	96.4	97.5	98.2	98.8	99.0	99.1	99.2	99.3	99.4	99.6
IV 100	6.7	81.5	85.9	88.9	93.0	94.6	96.4	97.5	98.2	98.8	99.1	99.2	99.3	99.5	99.6	99.9
IV 0	6.7	81.5	85.9	88.9	93.0	94.6	96.4	97.5	98.2	98.8	99.1	99.2	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 472

LOCAL CLIMATOLOGY WATCH
 1720
 FATHER SERVICE 7/141

CEILING VERSUS VISIBILITY

457 STATION FT LEONARD WOOD MO

73-74

YEAR

267

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1999-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	35.5	57.4	53.4	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
≥ 20000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	41.5	72.3	74.3	75.2	76.2	76.2	76.2	76.2	76.2	76.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 9000	41.5	72.3	74.3	75.2	76.2	76.2	76.2	76.2	76.2	76.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000	44.5	73.2	81.2	81.2	82.2	82.2	82.2	82.2	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	44.5	79.2	81.2	82.2	83.2	83.2	83.2	83.2	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000	45.5	81.2	83.2	84.2	85.1	85.1	85.1	85.1	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000	45.5	81.2	83.2	84.2	85.1	85.1	85.1	85.1	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4500	45.5	81.2	84.2	86.1	87.1	87.1	88.1	88.1	88.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4000	45.5	84.2	87.1	89.1	91.1	91.1	91.1	91.1	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3500	45.5	84.2	87.1	89.1	91.1	91.1	91.1	91.1	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	46.5	87.1	90.1	92.1	93.1	93.1	94.1	94.1	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	46.5	87.1	90.1	92.1	93.1	93.1	94.1	94.1	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	47.5	88.1	91.1	93.1	94.1	94.1	95.0	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 200	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 100	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 0	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 101

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457 FT LEONARD WOOD MC
STATION NAME

73-79

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-000
500-1000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	64.3	65.1	65.1	65.4	66.9	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.4	68.4	68.4	68.4
≥ 20000	39.0	67.7	67.7	68.0	69.5	70.3	70.3	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0
≥ 18000	39.3	67.7	67.7	68.0	69.5	70.3	70.3	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0
≥ 16000	39.8	67.7	67.7	68.0	69.5	70.3	70.3	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0
≥ 14000	39.8	68.0	68.0	68.4	69.9	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.4	71.4	71.4	71.4
≥ 12000	40.1	70.6	70.6	71.4	72.9	73.6	73.6	74.0	74.0	74.0	74.0	74.0	74.3	74.3	74.3	74.3
≥ 10000	41.3	73.2	73.2	74.0	75.5	76.2	76.2	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0
≥ 9000	40.0	73.2	73.2	74.0	75.5	76.2	76.2	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0
≥ 8000	41.3	73.6	73.6	74.3	75.8	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.3	77.3	77.3	77.3
≥ 7000	41.6	74.0	74.0	74.7	76.2	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7
≥ 6000	42.3	75.8	75.8	76.6	78.1	78.8	78.8	79.2	79.2	79.2	79.2	79.2	79.6	79.6	79.6	79.6
≥ 5000	42.3	76.6	76.6	77.3	78.8	79.6	79.6	79.9	79.9	79.9	79.9	79.9	80.3	80.3	80.3	80.3
≥ 4500	42.3	78.1	78.1	78.8	80.3	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.8	81.8	81.8	81.8
≥ 4000	42.3	79.6	79.6	80.7	82.2	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.6	83.6	83.6	83.6
≥ 3500	43.1	81.3	81.3	81.8	83.3	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.8	84.8	84.8	84.8
≥ 3000	43.1	80.3	81.1	81.8	83.3	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.8	84.8	84.8	84.8
≥ 2500	43.1	80.7	81.4	82.2	83.6	84.4	84.4	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.1	85.1
≥ 2000	43.5	84.0	84.8	85.9	87.4	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.8	88.8	88.8	88.8
≥ 1800	43.5	84.8	85.5	86.6	88.1	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6
≥ 1500	44.6	86.2	87.3	88.1	89.6	90.3	90.3	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1
≥ 1200	45.4	87.0	87.7	88.8	90.7	91.4	91.4	91.8	91.8	91.8	91.8	91.8	92.2	92.2	92.2	92.2
≥ 1000	45.4	87.7	88.3	89.6	91.4	92.2	92.6	92.9	92.9	92.9	92.9	92.9	93.3	93.3	93.3	93.3
≥ 900	45.4	87.7	88.5	89.6	91.4	92.2	92.6	92.9	92.9	92.9	92.9	92.9	93.3	93.3	93.3	93.3
≥ 800	45.4	87.7	88.5	89.6	91.8	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 700	45.4	87.7	88.5	89.6	91.8	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 600	45.4	87.7	88.8	90.3	92.9	93.7	94.8	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5
≥ 500	45.4	87.7	88.8	90.3	93.3	94.1	95.2	95.5	95.5	95.5	95.5	95.5	95.9	95.9	95.9	95.9
≥ 400	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 300	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 200	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 100	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 0	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 262

LOCAL CLIMATOLOGY BRANCH
 STATION
 DATA SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO STATION NAME

73-81 YEARS

PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-2000 HOURS

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	5.6	57.3	59.1	59.8	60.6	60.7	61.0	61.2	61.5	61.6	61.7	61.7	61.7	62.0	62.0	62.6
≥ 20000	5.6	59.9	61.8	62.5	63.3	63.4	63.7	63.9	64.2	64.3	64.4	64.4	64.4	64.7	64.7	65.3
IV 18000	5.4	59.5	61.8	62.5	63.3	63.4	63.7	63.9	64.2	64.3	64.4	64.4	64.4	64.7	64.7	65.3
IV 16000	5.3	59.9	61.5	62.5	63.3	63.4	63.7	63.9	64.2	64.3	64.4	64.4	64.4	64.7	64.7	65.3
IV 14000	5.0	60.0	62.0	62.6	63.4	63.6	63.8	64.0	64.3	64.4	64.5	64.5	64.5	64.8	64.8	65.4
IV 12000	5.3	60.9	63.1	63.8	64.9	65.2	65.4	65.8	66.0	66.1	66.3	66.3	66.3	66.5	66.5	67.1
IV 10000	5.3	62.9	65.4	66.3	67.4	67.6	67.9	68.2	68.5	68.6	68.7	68.7	68.7	69.0	69.0	69.6
IV 9000	5.4	63.1	65.5	66.4	67.5	67.7	68.0	68.3	68.6	68.7	68.8	68.8	68.8	69.1	69.1	69.7
IV 8000	5.3	65.4	68.0	69.1	70.6	70.8	71.0	71.4	71.7	71.8	71.9	71.9	71.9	72.1	72.3	73.0
IV 7000	6.3	67.5	70.2	71.3	72.9	73.1	73.4	73.7	74.0	74.1	74.2	74.2	74.2	74.5	74.6	75.3
IV 6000	6.4	68.6	71.3	72.6	74.2	74.5	74.7	75.1	75.3	75.5	75.6	75.6	75.6	75.8	76.0	76.7
IV 5000	6.6	69.4	72.4	73.7	75.5	75.8	76.2	76.6	76.8	76.9	77.1	77.1	77.1	77.3	77.4	78.2
IV 4500	6.6	71.1	74.3	75.5	77.2	77.5	77.9	78.3	78.5	78.7	78.8	78.8	78.8	79.0	79.1	79.9
IV 4000	6.6	72.0	75.1	76.6	78.5	79.1	79.5	79.9	80.1	80.2	80.4	80.4	80.4	80.6	80.7	81.5
IV 3500	6.6	72.5	75.6	77.1	79.0	79.6	80.0	80.4	80.6	80.7	80.9	80.9	80.9	81.1	81.2	82.0
IV 3000	6.6	73.3	76.4	77.9	80.1	80.9	81.2	81.6	81.8	82.0	82.1	82.1	82.1	82.3	82.5	83.2
IV 2500	6.6	73.7	76.9	78.5	81.0	81.8	82.3	82.7	82.9	83.1	83.2	83.2	83.2	83.4	83.6	84.3
IV 2000	6.6	74.4	77.5	79.1	81.8	82.7	83.3	83.9	84.2	84.3	84.4	84.4	84.4	84.7	84.8	85.5
IV 1800	6.6	75.0	78.3	79.9	82.6	83.4	84.0	84.7	84.9	85.0	85.2	85.2	85.2	85.4	85.5	86.3
IV 1500	6.7	76.4	79.8	81.3	84.3	85.2	85.8	86.4	86.7	86.9	87.0	87.0	87.0	87.2	87.4	88.1
IV 1200	6.7	76.8	80.1	81.8	84.8	85.8	86.4	87.0	87.4	87.5	87.6	87.6	87.6	87.9	88.0	88.7
IV 1000	6.9	78.2	81.5	83.2	86.5	87.6	88.2	88.8	89.2	89.3	89.4	89.4	89.4	89.7	89.8	90.6
IV 900	6.9	78.3	81.6	83.3	86.7	87.9	88.5	89.2	89.6	89.7	89.8	89.8	89.8	90.1	90.2	90.9
IV 800	6.9	79.4	81.7	83.6	87.1	88.2	89.0	89.7	90.1	90.2	90.3	90.3	90.3	90.7	90.8	91.5
IV 700	6.9	78.7	82.1	84.0	87.6	88.7	89.7	90.4	90.9	91.0	91.3	91.3	91.4	91.7	91.8	92.5
IV 600	6.9	78.9	82.7	84.7	88.6	89.9	90.9	91.8	92.5	92.6	92.9	92.9	93.0	93.3	93.4	94.1
IV 500	6.9	79.1	83.1	85.0	89.4	91.3	92.4	93.4	94.1	94.5	94.7	94.7	94.8	95.1	95.2	95.9
IV 400	6.7	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.4	96.8	96.8	97.1	97.3	97.4	98.2
IV 300	6.7	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.6	97.1	97.2	97.4	97.7	98.2	99.4
IV 200	6.7	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.6	97.1	97.2	97.4	97.8	98.3	99.9
IV 100	6.7	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.6	97.1	97.2	97.4	97.8	98.3	99.9
IV 0	6.9	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.6	97.1	97.2	97.4	97.8	98.3	99.9

TOTAL NUMBER OF OBSERVATIONS 815

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

PT LEONARD WOOD MC
STATION NAME

73-81
YEARS

001
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	.7	61.5	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	.7	64.6	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	.7	64.7	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	.7	64.7	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	.7	65.3	65.5	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	.7	67.5	68.4	69.5	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	.7	69.0	70.1	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 9000	.7	69.3	70.3	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000	.7	72.1	73.4	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	.7	73.8	75.1	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 6000	.7	74.9	76.3	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	.7	75.5	76.9	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	.7	77.2	78.6	79.3	79.4	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	.7	77.8	79.5	80.6	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	.7	78.7	80.9	81.9	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	.7	79.9	82.1	83.3	83.6	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	.7	80.6	82.9	84.1	84.6	84.9	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	.7	82.2	84.7	86.0	86.6	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	.7	82.5	85.0	86.4	87.0	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	.7	83.3	86.0	87.6	88.4	88.8	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	.7	84.3	87.3	89.0	90.0	90.3	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1000	.7	84.8	88.6	90.3	91.3	91.7	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	.7	84.9	88.9	90.4	91.5	92.0	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	.7	85.4	89.2	90.9	92.1	92.6	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	.7	86.0	90.1	91.9	93.2	93.9	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600	.7	86.2	90.3	92.2	94.0	95.3	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	.7	86.7	91.0	92.9	94.9	96.4	97.1	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	.7	86.7	91.0	92.9	94.9	96.7	97.8	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 836

AL CLIMATOLOGY BRANCH
ETAC
AIR LEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12.2-14.8
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	2.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 20000	2.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 18000	2.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 16000	2.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 14000	2.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 12000	2.4	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000	2.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 9000	2.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	2.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	2.4	74.4	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	74.5
IV 6000	2.4	75.9	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	2.4	77.2	77.5	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	2.4	79.9	79.2	79.2	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	2.4	79.8	80.1	80.4	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	2.4	80.8	81.3	81.6	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	2.4	83.6	84.4	84.7	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	2.5	86.3	87.3	87.8	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	2.5	88.7	89.1	89.8	90.5	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	2.6	88.1	89.2	89.9	90.7	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1500	2.6	89.1	90.4	91.4	92.6	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	2.6	89.5	90.8	91.7	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	2.6	90.1	91.5	92.6	94.1	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	2.6	90.3	91.7	92.9	94.7	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	2.6	90.7	92.3	93.5	95.6	96.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	2.6	91.1	92.9	94.4	96.4	97.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	2.6	91.3	93.1	94.5	96.5	97.2	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	2.6	91.5	93.7	95.2	97.4	98.3	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	2.6	91.5	93.8	95.4	97.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	2.6	91.5	93.8	95.4	97.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	2.6	91.5	93.8	95.4	97.8	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	2.6	91.5	93.8	95.4	97.8	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	2.6	91.5	93.8	95.4	97.8	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 835

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 FT LEONARD WOOD MC

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.5	61.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	2.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	2.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 16000	2.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	2.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 12000	2.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	2.9	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000	2.9	73.1	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000	2.9	77.8	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000	2.9	78.8	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000	2.9	80.0	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 5000	2.9	80.9	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	2.9	82.7	83.6	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	2.9	83.6	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	2.9	84.7	85.7	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	2.9	86.5	87.8	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	2.9	87.1	88.5	89.2	89.4	89.9	89.9	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3
≥ 2000	3.1	89.0	89.7	90.6	91.1	91.7	91.7	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3
≥ 1800	3.1	88.4	90.0	91.0	91.6	92.2	92.2	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8
≥ 1500	3.1	89.2	90.9	92.2	92.8	93.4	93.5	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1
≥ 1200	3.1	87.8	91.6	92.9	93.6	94.2	94.4	94.8	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2
≥ 1000	3.1	90.5	92.3	93.6	94.7	95.3	95.4	95.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	3.1	91.3	92.7	94.0	95.2	96.0	96.2	96.6	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0
≥ 800	3.1	91.5	93.4	94.7	96.0	97.0	97.1	97.6	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0
≥ 700	3.1	92.0	93.9	95.3	97.0	98.1	98.2	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0
≥ 600	3.1	92.1	94.0	95.6	97.5	98.6	98.7	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	3.1	92.1	94.0	95.6	97.6	98.7	98.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 234

GENERAL CLIMATOLOGY BRANCH
 AIR FORCE
 AIRCRAFT SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 12457 FT LEONARD WOOD MO

73-31

CGT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18.0-20.00
 HOURS

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	28.8	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	31.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 18000	30.1	71.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 16000	30.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 14000	30.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	30.5	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	31.4	75.3	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	31.4	75.5	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	32.2	76.6	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	32.2	79.5	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 6000	32.4	81.2	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	32.4	82.3	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	32.3	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	32.3	86.3	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	33.1	88.1	88.3	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
≥ 3000	33.4	88.6	88.8	88.8	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	33.7	89.4	89.6	89.8	90.1	90.1	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000	34.5	91.9	92.4	92.7	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	34.6	92.0	92.5	92.8	93.5	93.6	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	34.7	93.3	93.7	94.1	94.9	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	34.7	93.6	94.2	94.5	95.3	95.5	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	34.7	94.1	94.7	94.9	96.0	96.3	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	34.7	94.3	94.9	95.2	96.3	96.5	97.0	97.1	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	34.7	94.7	95.3	95.5	96.6	96.9	97.5	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	34.7	94.8	95.4	95.8	96.9	97.2	97.8	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	34.7	94.9	95.7	96.0	97.1	97.5	98.1	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	34.9	95.3	96.0	96.4	97.5	97.8	98.4	98.6	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	34.9	95.3	96.0	96.4	97.5	97.8	98.6	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 430

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MC 73-81 YEAR OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1100-2300
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	46.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	47.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 18000	47.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 16000	47.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 14000	47.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 12000	48.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 10000	49.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	49.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	51.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	51.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000	51.3	81.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 5000	51.5	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4500	52.4	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4000	52.4	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	52.6	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	52.7	86.3	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	52.7	87.0	89.8	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2000	53.2	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	53.2	91.6	92.4	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	53.5	92.2	93.1	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	53.5	92.9	93.7	93.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000	53.5	93.1	93.9	93.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	53.5	93.3	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800	53.5	93.3	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	53.5	93.3	94.2	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	53.5	93.3	94.2	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	53.5	93.5	94.8	94.8	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 400	53.5	93.5	94.8	94.8	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 300	53.5	93.5	95.0	95.0	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 200	53.5	93.5	95.0	95.0	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 100	53.5	93.5	95.0	95.0	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 0	53.5	93.5	95.0	95.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 462

AIR FORCE CLIMATOLOGY BRANCH
AFETAC
AFETAC SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MD

73-81

CGT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.	≥0
NO CEILING	13.7	62.0	62.4	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2
≥ 20000	14.4	66.5	66.9	67.1	67.3	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7
IV 18000	14.4	66.5	66.9	67.1	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.8
IV 16000	14.4	66.5	66.9	67.1	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.8
IV 14000	14.4	66.6	67.3	67.4	67.7	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.1
IV 12000	14.5	66.1	66.8	69.0	69.2	69.3	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.7
IV 10000	14.4	70.9	71.6	71.9	72.2	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.7
IV 9000	14.5	71.0	71.8	72.0	72.4	72.4	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.9
IV 8000	15.2	74.1	75.0	75.3	75.7	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.2
IV 7000	15.3	75.3	76.2	76.5	77.0	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.5
IV 6000	15.4	76.6	77.6	78.0	78.4	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.9
IV 5000	15.5	77.6	78.6	79.3	79.5	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.1
IV 4500	15.6	79.4	80.4	80.9	81.5	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.1
IV 4000	15.7	80.4	81.6	82.2	82.9	83.0	83.1	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.6
IV 3500	15.7	81.5	82.8	83.4	84.1	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.8
IV 3000	15.8	82.9	84.4	85.0	85.7	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.6
IV 2500	15.9	83.9	85.4	86.2	87.0	87.4	87.6	87.7	87.7	87.8	87.8	87.8	87.9	87.9	87.9	88.1
IV 2000	16.1	85.5	87.2	88.1	89.1	89.5	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.3
IV 1800	16.2	85.9	87.6	88.5	89.5	89.9	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.7
IV 1500	16.3	86.9	88.7	89.7	91.0	91.3	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.2	92.3
IV 1200	16.4	87.5	89.3	90.4	91.7	92.2	92.5	92.7	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.1
IV 1000	16.4	88.1	90.1	91.2	92.8	93.3	93.6	93.9	94.0	94.1	94.2	94.2	94.2	94.3	94.3	94.4
IV 900	16.4	88.3	90.3	91.4	93.1	93.6	94.7	94.3	94.4	94.5	94.6	94.6	94.6	94.7	94.7	94.8
IV 800	16.4	88.6	90.7	91.9	93.6	94.2	94.7	95.0	95.1	95.2	95.3	95.3	95.3	95.4	95.4	95.5
IV 700	16.4	89.0	91.1	92.4	94.3	95.0	95.5	95.8	96.0	96.1	96.2	96.2	96.2	96.3	96.3	96.4
IV 600	16.4	89.1	91.3	92.7	94.9	95.7	96.3	96.7	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.3
IV 500	16.4	89.3	91.6	93.1	95.4	96.4	97.0	97.5	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.3
IV 400	16.4	89.3	91.8	93.2	95.6	96.7	97.5	98.0	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.9
IV 300	16.4	89.4	91.9	93.2	95.7	96.8	97.7	98.3	98.6	98.9	99.1	99.1	99.1	99.2	99.3	99.4
IV 200	16.4	89.4	91.9	93.2	95.7	96.8	97.7	98.3	98.7	99.0	99.2	99.2	99.3	99.4	99.5	99.6
IV 100	16.4	89.4	91.9	93.2	95.7	96.8	97.8	98.3	98.7	99.0	99.2	99.2	99.3	99.5	99.5	100.0
IV 0	16.4	89.4	91.9	93.2	95.7	96.8	97.8	98.3	98.7	99.0	99.2	99.2	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 4982

JOINT CLIMATEOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 STATION FT LEONARD WOOD MO 74.80 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.7	51.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥20000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
18000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
16000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
14000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
12000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
10000	44.6	57.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
9000	44.6	57.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
8000	44.6	60.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
7000	44.6	60.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
6000	44.6	60.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
5000	44.6	62.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
4500	44.6	62.0	64.1	64.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
4000	44.6	62.0	64.1	64.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
3500	44.6	62.0	65.2	65.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
3000	44.6	64.1	67.4	67.4	69.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2500	44.6	65.2	70.7	70.7	72.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
2000	44.6	67.4	73.9	73.9	76.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
1800	44.6	67.4	73.9	73.9	76.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
1500	44.6	68.5	75.0	75.0	77.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1200	44.6	70.7	77.2	77.2	79.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
1000	44.6	75.0	81.5	81.5	83.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
900	44.6	75.0	81.5	81.5	83.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
800	44.6	77.2	83.7	83.7	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
700	44.6	77.2	83.7	83.7	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
600	44.6	77.2	83.7	83.7	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
500	44.6	80.4	87.0	87.0	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
400	44.6	81.5	88.1	88.1	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
300	44.6	81.5	89.1	89.1	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
200	44.6	81.5	89.1	89.1	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
100	44.6	81.5	89.1	89.1	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
0	44.6	81.5	89.1	89.1	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4

TOTAL NUMBER OF OBSERVATIONS 92

USAF CLIMATOLOGY BRANCH
ETAC
DATA SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 14431 STATION NAME FT LEONARD 4000 MC

74

YEARS

NOV

300-0501
FORM 15

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.8	61.0	67.7	60.0	60.0	63.0	60.0	50.0	60.0	50.0	60.0	60.0	67.0	60.0	60.0	60.0
≥20000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 18000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 16000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 10000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000	42.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 7000	42.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 6000	42.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 5000	42.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 4500	42.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 4000	42.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 3500	42.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 3000	42.2	71.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 2500	42.2	72.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 2000	42.2	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	74.4
IV 1800	42.2	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	74.4
IV 1500	42.2	77.8	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	78.9
IV 1200	42.2	81.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 1000	42.2	84.4	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
IV 900	42.2	84.4	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
IV 800	42.2	84.4	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
IV 700	42.2	85.6	86.7	86.7	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 600	42.2	85.6	86.7	86.7	87.8	87.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 500	42.2	85.6	86.7	86.7	87.8	87.8	92.2	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	42.2	85.6	86.7	86.7	87.8	87.8	92.2	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 90

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	45.5	45.5	47.0	47.6	47.7	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.4	48.5
≥ 20000	11.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 18000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 16000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 14000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 12000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 10000	10.3	52.3	53.7	54.2	55.2	55.3	55.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.3
≥ 9000	10.3	52.4	53.9	54.3	55.3	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.4
≥ 8000	10.3	54.1	55.4	56.0	56.9	57.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.9	57.9	58.2
≥ 7000	10.3	55.3	56.7	57.2	58.2	58.4	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.4
≥ 6000	10.3	55.8	57.2	57.7	58.7	59.0	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.9
≥ 5000	10.5	55.6	60.2	60.7	61.7	62.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.2
≥ 4500	10.9	59.8	61.4	62.0	62.9	63.3	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.4
≥ 4000	11.1	60.2	61.8	62.4	63.3	63.7	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.8
≥ 3500	11.4	61.7	63.3	63.9	64.8	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.9	65.9	66.3
≥ 3000	12.4	64.0	65.8	66.3	67.4	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.5	68.9
≥ 2500	12.5	65.5	67.3	67.8	68.9	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.4
≥ 2000	12.5	68.8	70.9	71.6	72.8	73.2	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	74.3
≥ 1800	12.5	69.0	71.2	72.0	73.2	73.6	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.7
≥ 1500	12.5	72.3	74.7	75.5	77.2	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3	78.7
≥ 1200	12.8	73.5	76.1	76.9	79.1	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.6
≥ 1000	12.7	74.9	77.6	78.7	81.4	81.8	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	83.2
≥ 900	12.9	74.9	77.6	78.7	81.4	81.8	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	83.2
≥ 800	13.0	75.7	78.7	79.9	82.7	83.3	83.8	84.0	84.1	84.2	84.4	84.4	84.4	84.5	84.5	84.9
≥ 700	13.3	76.2	79.3	80.4	84.2	84.9	85.5	85.6	85.7	85.9	86.0	86.0	86.0	86.1	86.1	86.5
≥ 600	13.3	76.4	79.6	81.0	85.1	85.7	86.5	86.7	86.8	87.0	87.1	87.1	87.1	87.2	87.4	87.8
≥ 500	13.3	76.5	80.0	81.5	86.1	87.2	88.6	88.7	89.1	89.3	89.4	89.4	89.4	89.5	89.7	90.1
≥ 400	13.3	76.8	80.4	82.2	86.8	88.3	89.7	89.9	90.5	91.0	91.3	91.3	91.3	91.4	91.6	92.0
≥ 300	13.3	77.0	80.7	82.5	87.1	88.5	90.5	90.9	91.8	92.5	92.9	92.9	92.9	93.2	93.6	94.0
≥ 200	13.3	77.0	80.7	82.5	87.1	88.5	90.5	90.9	91.8	92.5	92.9	92.9	92.9	93.2	93.6	94.0
≥ 100	13.0	77.0	80.7	82.5	87.1	88.5	90.8	91.4	92.7	93.6	94.2	94.4	94.4	94.8	95.1	95.7
≥ 0	13.3	77.0	80.7	82.5	87.1	88.5	90.8	91.4	92.7	93.6	94.2	94.4	94.4	94.8	95.1	95.7

TOTAL NUMBER OF OBSERVATIONS 73

AL CLIMATOLOGY BRANCH
STATION
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1457 FT LEONARD WOOD MO STATION NAME

73-81 YEARS

NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

953-1107
FORM 1-57

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	1.7	46.4	46.7	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	1.7	50.7	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 18000	1.7	50.8	51.2	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	1.7	50.8	51.2	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	1.7	50.9	51.3	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	1.7	51.5	51.9	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	1.7	54.6	55.1	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	1.7	54.8	55.3	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	1.7	57.6	58.2	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	1.7	58.6	59.2	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	1.7	59.6	60.2	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 5000	1.7	62.2	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4500	1.7	63.2	64.3	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4000	1.7	64.2	65.3	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	2.2	66.7	67.1	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3000	2.2	67.4	69.0	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 2500	2.2	70.1	71.2	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2000	2.2	74.3	75.5	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1800	2.2	75.3	76.5	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	2.2	76.9	78.4	79.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1200	2.2	78.5	81.3	82.4	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	2.2	80.8	82.9	84.2	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	2.2	81.7	83.2	84.6	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	2.2	81.7	83.9	85.8	87.9	88.1	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 700	2.2	82.2	84.4	86.3	88.9	89.2	89.2	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	2.2	82.3	84.7	86.5	89.5	90.0	90.5	90.7	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 500	2.2	82.3	84.9	86.9	90.4	91.2	91.8	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.7	92.7
≥ 400	2.2	82.6	85.2	87.4	91.0	92.0	93.0	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.4	94.7
≥ 300	2.2	82.6	85.4	87.6	91.7	93.2	94.7	95.8	96.0	96.5	97.0	97.0	97.0	97.3	97.5	97.8
≥ 200	2.2	82.6	85.4	87.6	91.7	93.3	94.8	96.0	96.3	96.9	97.4	97.5	97.5	97.8	98.1	98.6
≥ 100	2.2	82.6	85.4	87.8	91.7	93.3	94.8	96.2	96.4	97.0	97.5	97.7	97.7	97.9	98.5	99.3
≥ 0	2.2	82.6	85.4	87.8	91.7	93.3	94.8	96.2	96.4	97.0	97.5	97.7	97.7	97.9	98.5	99.3

TOTAL NUMBER OF OBSERVATIONS 809

AL CLIMATOLOGY BRANCH
ETAC
PATH - SERVICE/AC

CEILING VERSUS VISIBILITY

457 11 LEONARD WOOD RD
STATION NAME

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1250-1420

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.2	47.9	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	2.2	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000	2.2	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	2.2	53.1	53.5	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
≥ 14000	2.4	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	2.4	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	2.4	57.2	57.9	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
≥ 9000	2.4	57.2	57.9	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
≥ 8000	2.4	60.9	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	2.4	61.5	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	2.4	63.2	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 5000	2.4	66.3	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4500	2.4	66.7	67.5	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	2.4	67.9	68.7	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3500	2.5	70.5	71.3	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3000	2.5	74.7	75.6	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	2.5	77.3	78.5	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	2.5	79.2	80.6	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1800	2.5	79.3	80.6	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	2.5	81.8	83.1	83.9	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	2.5	83.4	84.9	85.6	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	2.5	84.4	86.1	86.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	2.5	84.5	86.4	87.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	2.5	84.6	86.7	89.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	2.5	85.5	87.7	89.3	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	2.5	85.5	87.8	89.6	93.4	93.8	94.3	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	2.5	85.6	88.1	90.0	93.9	94.3	94.8	94.9	95.0	95.2	95.2	95.3	95.4	95.4	95.4	95.4
≥ 400	2.5	85.8	88.5	90.4	94.5	95.4	96.0	96.2	96.5	96.7	96.7	96.8	96.9	96.9	96.9	96.9
≥ 300	2.5	86.4	89.3	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.1	98.4	98.5	98.7	99.0	99.0
≥ 200	2.5	86.4	88.8	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.4	99.0	99.3	99.5	99.7	99.7
≥ 100	2.5	86.4	88.8	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.4	99.0	99.3	99.5	99.7	99.7
≥ 0	2.5	86.4	88.8	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.4	99.0	99.3	99.5	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

ATMOSPHERIC CLIMATOLOGY BRANCH
 T20
 METEOROLOGICAL SERVICE/NAV

CEILING VERSUS VISIBILITY

457 STATION NAME
 LEONARD WOOD MC

73-51

NAV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-00-17-00
 15-00-17-00

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	3.4	47.5	51.1	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
≥ 20000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
18000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
16000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
14000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
12000	3.4	55.4	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
10000	3.4	56.1	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
9000	3.4	56.1	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
8000	3.4	60.5	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
7000	3.4	61.6	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
6000	3.4	63.0	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
5000	3.7	65.8	66.5	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
4500	3.7	65.6	64.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4000	3.7	67.3	71.1	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
3500	3.7	72.3	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
3000	3.7	75.4	77.4	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
2500	3.7	79.4	81.7	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2000	3.7	80.3	81.5	82.5	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1800	3.7	80.5	81.8	82.8	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
1500	3.7	82.3	83.5	84.6	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
1200	3.7	83.7	85.0	86.5	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1000	3.7	85.0	86.5	88.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
900	3.7	85.3	87.2	88.8	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
800	3.7	85.7	87.8	89.5	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
700	3.7	85.9	88.1	89.9	92.9	93.1	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
600	3.7	86.0	88.3	90.1	93.6	93.9	94.4	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
500	3.7	86.2	88.4	90.5	94.0	94.4	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
400	3.7	86.2	88.4	90.5	94.3	94.6	95.6	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
300	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6
200	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.9	99.3	99.4	99.4	99.4	99.4	99.4
100	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.9	99.3	99.4	99.4	99.4	99.4	99.4
0	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.9	99.3	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 100

AL CLIMATOLOGY BRANCH
ETAC
FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

45° STATION NAME: FT LEONARD WOOD MO 73-81 YEARS NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1951
HOURS: 5

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	17.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 6000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 3500	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 3000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 2500	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 2000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1800	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1500	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1200	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 900	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 800	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 700	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 600	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 500	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 400	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 300	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 200	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 100	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 0	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBSERVATIONS 794

U.S. AIR FORCE
CLIMATE BRANCH
ETAC
WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

457
STATION

LT LEONARD 4000 MD
STATION NAME

73-81
YEARS

564
OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1120-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	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
≥ 18000	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
≥ 16000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	58.4	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
≥ 12000	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
≥ 10000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 7000	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
≥ 6000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	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
≥ 3000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1800	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1500	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
≥ 1200	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 900	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 800	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 600	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300	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
≥ 200	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 100	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
≥ 0	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

TOTAL NUMBER OF OBSERVATIONS 564

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 14457 FT LEONARD WOOD MO

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	13.3	49.7	50.1	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥20000	13.3	54.1	54.5	54.6	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 18000	13.3	54.1	54.5	54.6	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 16000	13.3	54.1	54.5	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 14000	13.3	54.3	54.7	54.8	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 12000	14.1	54.8	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7
IV 10000	14.4	57.2	57.8	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3
IV 9000	14.4	57.3	57.7	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 8000	14.6	59.4	59.9	60.2	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 7000	14.6	60.4	61.0	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000	14.7	61.4	62.0	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 5000	14.7	63.9	64.5	64.9	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500	15.3	65.7	66.5	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	15.4	66.6	67.4	67.9	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3500	15.6	68.7	69.5	70.0	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 3000	16.4	72.0	73.0	73.4	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 2500	16.7	74.2	75.4	75.9	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 2000	16.8	76.8	78.1	78.7	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 1800	16.9	77.2	78.5	79.1	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	17.2	79.6	80.9	81.7	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1200	17.3	81.2	82.7	83.5	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1000	17.4	82.6	84.2	85.1	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 900	17.4	82.9	84.7	85.6	87.3	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800	17.5	83.7	85.6	86.7	88.7	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	17.5	84.3	86.7	87.4	89.9	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 600	17.5	84.5	86.6	87.9	90.7	91.3	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 500	17.5	84.7	86.9	88.4	91.5	92.3	93.1	93.3	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7
IV 400	17.5	84.9	87.1	88.7	92.0	93.0	94.1	94.5	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 300	17.5	85.0	87.4	89.1	92.6	93.7	95.2	95.7	96.4	96.9	97.2	97.3	97.4	97.6	97.7	97.8
IV 200	17.5	85.0	87.4	89.1	92.6	93.9	95.4	96.0	96.6	97.6	98.0	98.2	98.3	98.7	99.0	99.1
IV 100	17.5	85.0	87.4	89.1	92.7	93.9	95.4	96.0	96.8	97.6	98.0	98.2	98.4	98.9	99.3	99.9
IV 0	17.5	85.0	87.4	89.1	92.7	93.9	95.4	96.0	96.8	97.6	98.0	98.2	98.4	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 4773

LOCAL CLIMATOLOGY BRANCH
ETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

104457 FT LEONARD WOOD MO
STATION

73-75

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 18000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 16000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 14000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 12000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 10000	31.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000	31.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 7000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 6000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 5000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 4500	34.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 4000	34.2	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 3500	35.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3000	35.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 2500	35.4	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
IV 2000	35.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	35.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	35.4	75.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1200	35.4	77.2	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
IV 1000	35.4	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 900	35.4	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 800	35.4	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 700	35.4	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 600	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 500	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 400	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 300	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 200	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 100	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 0	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3

TOTAL NUMBER OF OBSERVATIONS 79

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

437 FT LEONARD WOOD MO

74

66

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1322-0500

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	21.7	43.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 18000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 16000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 12000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 10000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 9000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 8000	23.3	46.7	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	50.0
IV 7000	23.3	46.7	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	50.0
IV 6000	23.3	46.7	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	50.0
IV 5000	23.3	46.7	50.0	50.0	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	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4000	23.3	51.7	61.7	61.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3500	23.3	60.0	63.3	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3000	23.3	60.0	63.3	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2500	23.3	61.7	65.0	65.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2000	23.3	63.3	66.7	66.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1800	23.3	63.3	66.7	66.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1500	23.3	66.7	70.0	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 1200	23.3	66.7	70.0	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 1000	23.3	76.7	80.0	80.0	83.3	83.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 900	23.3	78.3	81.7	81.7	85.0	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 800	23.3	81.7	85.0	85.0	88.3	90.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 700	23.3	81.7	85.0	85.0	88.3	90.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 600	23.3	81.7	85.0	85.0	90.0	91.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 500	23.3	81.7	85.0	88.3	93.3	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	23.3	81.7	85.0	88.3	93.3	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	23.3	81.7	85.0	88.3	93.3	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	23.3	81.7	85.0	88.3	93.3	95.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	23.3	81.7	85.0	88.3	93.3	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	23.3	81.7	85.0	88.3	93.3	95.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 62

CENTRAL CLIMATOLOGY BRANCH
ETAC
AIR PATH SERVICE/HAC

CEILING VERSUS VISIBILITY

004457 STATION FT LEONARD WOOD MO

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-7000
FOOT

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	9.6	43.5	44.3	44.3	41.1	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	9.9	43.9	46.7	46.7	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0
≥ 18000	9.9	45.9	46.7	46.7	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0
≥ 16000	9.9	45.9	46.7	46.7	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0
≥ 14000	9.9	46.1	46.9	46.9	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000	10.2	46.4	47.3	47.3	48.2	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6
≥ 10000	10.2	49.8	50.7	50.7	51.5	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.0
≥ 9000	10.2	49.8	50.7	50.7	51.5	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.0
≥ 8000	10.3	51.5	52.3	53.1	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6
≥ 7000	10.4	53.0	54.0	54.3	55.3	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.9	55.9
≥ 6000	10.7	54.4	55.4	55.7	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.3	57.3
≥ 5000	11.3	57.5	58.5	58.9	59.8	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.4	60.4
≥ 4500	11.3	59.2	60.2	60.5	61.8	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.4	62.4
≥ 4000	11.5	59.5	60.5	60.8	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.7	62.7
≥ 3500	12.1	61.1	62.1	62.4	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.3
≥ 3000	12.1	62.8	63.9	64.2	65.5	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2	66.2
≥ 2500	12.3	65.1	66.1	66.3	67.6	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4
≥ 2000	12.3	67.3	68.4	68.7	70.0	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8
≥ 1800	12.5	68.2	69.2	69.5	70.9	71.1	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.8	71.8
≥ 1500	12.7	70.7	71.8	72.1	73.4	73.7	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5
≥ 1200	12.7	72.3	73.4	73.9	75.3	75.6	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.5	76.5
≥ 1000	13.2	75.5	76.8	77.2	79.4	79.7	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.6	80.6
≥ 900	13.2	76.3	77.8	78.2	80.8	81.1	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.1	82.1
≥ 800	13.4	77.5	79.1	80.0	82.7	83.2	83.9	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.6	84.6
≥ 700	13.4	78.1	79.7	80.7	83.7	84.2	84.9	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.8	85.8
≥ 600	13.4	79.7	80.7	81.9	85.1	85.5	86.2	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.5	87.5
≥ 500	13.4	79.4	81.1	82.3	85.9	86.4	87.2	87.8	88.4	88.5	88.5	88.5	88.5	88.5	88.8	88.8
≥ 400	13.4	79.8	81.9	83.0	87.2	87.8	89.0	90.1	91.0	91.1	91.3	91.4	91.4	91.4	91.7	91.7
≥ 300	13.4	79.8	82.0	83.2	87.7	88.5	89.8	91.4	93.0	93.6	93.3	93.9	94.0	94.2	94.6	95.4
≥ 200	13.4	79.8	82.1	83.3	88.0	89.0	90.3	92.0	94.0	95.1	95.4	95.5	95.8	96.1	96.8	97.8
≥ 100	13.4	79.8	82.1	83.3	88.0	89.0	90.3	92.0	94.0	95.1	95.4	95.5	95.8	96.2	97.5	100.0
≥ 0	13.4	79.8	82.1	83.3	88.0	89.0	90.3	92.0	94.0	95.1	95.4	95.5	95.8	96.2	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 682

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 FT LEONARD WOOD MC

73-41

26C

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-117

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	44.1	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.1
≥20000	48.1	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.2
≥18000	45.1	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.2	49.3
≥16000	48.2	48.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.4
≥14000	48.6	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	50.0
≥12000	49.2	49.4	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.4
≥10000	53.0	53.4	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.5
≥9000	53.0	53.4	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.5
≥8000	1.1	56.2	57.4	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.1
≥7000	1.1	56.5	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3	58.4
≥6000	1.1	57.4	58.0	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.6	59.9
≥5000	1.1	57.1	60.3	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.6
≥4500	1.1	60.4	61.1	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.9
≥4000	1.1	61.5	62.8	63.2	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.8	64.1
≥3500	1.1	62.1	64.2	64.6	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.4
≥3000	1.1	64.5	65.9	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9	67.1
≥2500	1.1	67.7	69.7	70.1	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.5
≥2000	1.1	70.6	72.8	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.6
≥1800	1.1	70.9	73.3	73.7	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9	75.2
≥1500	1.1	72.0	74.5	75.0	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.8	77.2
≥1200	1.4	74.2	76.3	77.3	78.7	78.9	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.4	79.6
≥1000	1.4	74.9	78.0	78.5	80.5	80.7	81.0	81.0	81.3	81.5	81.5	81.5	81.5	81.6	81.9
≥900	1.4	75.1	79.3	79.1	81.9	82.2	82.4	82.4	82.8	83.0	83.0	83.0	83.0	83.1	83.5
≥800	1.4	76.0	79.3	80.0	83.5	83.9	84.4	84.6	85.2	85.4	85.4	85.4	85.4	85.5	85.9
≥700	1.4	76.2	79.8	80.7	84.6	84.9	85.6	85.8	86.5	86.7	86.7	86.7	86.7	86.8	87.1
≥600	1.4	76.4	80.1	81.2	85.2	85.6	86.6	87.0	87.8	88.0	88.0	88.0	88.0	88.2	88.5
≥500	1.4	76.4	80.1	81.5	85.6	86.1	87.6	88.0	89.4	89.7	90.2	90.2	90.2	90.4	90.7
≥400	1.4	76.4	80.3	81.7	86.5	87.1	88.9	89.6	91.1	91.6	92.1	92.1	92.1	92.3	92.9
≥300	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.5	93.3	94.1	95.3	95.5	96.1	96.1	96.4
≥200	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.6	93.7	94.6	96.5	96.9	97.6	97.7	98.4
≥100	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.6	93.7	94.7	96.7	97.0	97.8	98.1	99.0
≥0	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.6	93.7	94.7	96.7	97.0	97.8	98.1	99.0

TOTAL NUMBER OF OBSERVATIONS 236

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
WRIGHT
FATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

450
STATION

LEONARD WOOD MO
STATION NAME

73-31
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

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	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	56.3	56.3	56.3	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
≥ 9000	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 8000	58.5	58.5	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 7000	59.4	59.4	59.4	59.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 6000	59.6	59.7	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 5000	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4500	62.2	62.4	62.4	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4000	63.3	63.4	63.4	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500	65.2	65.5	65.5	65.5	65.9	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3000	67.6	68.1	68.1	68.1	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 2500	71.1	71.7	71.7	71.7	72.4	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2000	74.0	74.7	74.7	74.7	75.6	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1800	74.2	75.1	75.1	75.1	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1600	75.6	76.8	77.4	77.4	78.9	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1400	77.2	79.0	79.9	79.9	81.7	81.8	81.8	81.8	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2
≥ 1200	78.7	80.8	82.2	82.2	84.1	84.5	84.5	84.5	84.5	84.7	84.7	84.9	84.9	85.1	85.1	85.1
≥ 1000	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	86.1	86.1	86.3	86.3	86.3
≥ 900	82.8	85.1	87.1	87.1	89.2	89.4	89.4	89.4	89.4	89.6	89.6	89.8	89.8	90.0	90.0	90.0
≥ 800	84.4	86.5	88.6	88.6	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.8	90.8	91.0	91.0	91.0
≥ 700	86.2	88.3	90.3	90.3	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.8	92.8	93.0	93.0	93.0
≥ 600	88.4	90.5	92.5	92.5	94.6	94.6	94.6	94.6	94.6	94.8	94.8	95.0	95.0	95.2	95.2	95.2
≥ 500	90.3	92.4	94.4	94.4	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.9	96.9	97.1	97.1	97.1
≥ 400	92.5	94.6	96.6	96.6	98.7	98.7	98.7	98.7	98.7	98.9	98.9	99.1	99.1	99.3	99.3	99.3
≥ 300	94.3	96.4	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.2	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 237

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457 FT LEONARD WOOD MO

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	1.0	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 16000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 14000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 12000	1.0	51.4	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 10000	1.0	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 9000	1.0	55.7	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	1.0	59.6	59.1	59.1	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 7000	1.0	59.7	60.1	60.4	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 6000	1.0	61.1	60.6	60.9	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 5000	1.0	61.8	62.3	62.5	62.8	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	1.0	64.6	65.4	65.7	66.1	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4000	1.0	65.7	66.6	66.9	67.3	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 3500	1.0	67.2	69.2	69.4	69.1	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3000	1.0	69.5	70.5	70.6	71.5	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 2500	1.0	71.5	72.6	73.0	73.7	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2000	1.0	75.5	76.6	77.1	77.8	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1800	1.0	76.6	77.7	78.4	79.1	79.5	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	1.0	78.9	80.2	81.4	82.5	82.8	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1200	1.0	80.2	81.8	83.4	84.5	84.9	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	1.0	81.3	83.1	85.2	86.3	86.9	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 900	1.0	81.8	83.6	85.7	86.8	87.4	88.1	88.1	88.1	88.4	88.5	88.6	88.7	88.7	88.7	88.7
IV 800	1.0	82.2	84.3	86.8	88.2	89.1	90.2	90.2	90.2	90.5	90.6	90.6	90.9	90.9	91.1	91.1
IV 700	1.0	82.2	84.4	87.0	88.5	89.3	90.5	90.5	90.5	91.1	91.2	91.4	91.6	91.6	91.8	91.8
IV 600	1.0	82.5	84.6	87.4	89.2	90.3	91.6	91.6	91.7	92.4	92.6	92.7	92.9	92.9	93.2	93.2
IV 500	2.0	82.6	84.8	87.6	89.8	91.0	92.6	92.8	93.2	94.1	94.4	94.5	94.8	94.8	95.1	95.1
IV 400	2.0	82.6	84.8	88.0	90.6	92.0	93.6	94.0	94.4	95.7	96.0	96.2	96.9	97.0	97.2	97.2
IV 300	2.0	82.6	84.8	88.0	91.0	92.3	94.4	94.8	95.2	96.5	96.9	97.1	98.1	98.2	98.4	98.4
IV 200	2.0	82.6	84.8	88.0	91.0	92.3	94.4	95.0	95.3	97.2	97.7	98.0	99.0	99.2	99.5	99.5
IV 100	2.0	82.6	84.8	88.0	91.0	92.3	94.4	95.0	95.3	97.2	97.7	98.0	99.2	99.4	99.8	99.8
IV 0	2.0	82.6	84.8	88.0	91.0	92.3	94.4	95.0	95.3	97.2	97.7	98.0	99.2	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 133

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

CEILING VERSUS VISIBILITY

STATION 1457 FT LEONARD WOOD MO STATION NAME

73-21

YEAR

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10-2-1964

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	24.0	45.1	42.3	49.3	42.3	40.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	24.0	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	24.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	24.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 14000	24.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 12000	25.2	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 10000	26.5	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	26.5	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	27.5	59.8	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	60.1
≥ 7000	27.5	62.0	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
≥ 6000	28.5	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	29.2	64.7	65.0	65.0	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	29.2	66.9	67.4	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	29.2	67.1	67.6	67.7	67.7	67.7	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3500	29.5	68.9	69.6	69.7	69.7	69.7	69.9	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	30.0	71.1	71.8	72.1	72.1	72.1	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	30.3	72.6	73.5	73.7	73.7	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	30.5	77.8	78.7	79.0	79.0	79.2	79.8	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1800	30.7	79.0	80.2	80.2	80.2	80.4	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	31.1	81.9	82.9	83.3	83.3	83.6	84.4	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	31.1	83.4	84.6	85.3	85.3	85.7	86.4	86.7	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	31.1	84.5	85.8	86.8	86.9	87.4	88.1	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	31.1	85.5	86.9	87.8	87.9	88.4	89.1	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	31.1	85.8	87.2	88.1	88.5	89.1	89.9	90.2	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 700	31.1	86.6	87.9	88.9	89.2	89.9	90.6	91.0	91.0	91.3	91.4	91.4	91.4	91.7	91.7	91.7
≥ 600	31.1	87.2	88.5	89.6	90.1	91.1	91.8	92.2	92.2	92.5	92.7	92.7	92.7	92.9	93.0	93.2
≥ 500	31.1	87.5	89.1	90.2	91.2	92.3	93.5	93.9	93.9	94.3	94.4	94.4	94.4	94.6	94.7	95.1
≥ 400	31.1	87.7	89.4	90.5	91.8	93.0	94.9	95.2	95.4	95.7	95.8	95.8	95.8	96.1	96.2	96.6
≥ 300	31.1	87.7	89.4	90.5	92.1	93.5	95.5	95.8	96.0	96.6	96.8	96.8	96.8	97.1	97.2	97.6
≥ 200	31.1	87.8	89.5	90.6	92.4	94.0	96.2	96.9	97.1	98.4	98.8	98.8	98.8	99.0	99.3	99.9
≥ 100	31.1	87.8	89.5	90.6	92.4	94.0	96.2	96.9	97.1	98.4	98.8	98.8	98.8	99.0	99.3	99.9
≥ 0	31.1	87.8	89.5	90.6	92.4	94.0	96.2	96.9	97.1	98.4	98.8	98.8	98.8	99.0	99.3	99.9

TOTAL NUMBER OF OBSERVATIONS 518

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 73-LEONARD WOOD MD
STATION NAME

73-61

REC
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2000
NO. OF

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.3	51.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 18000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 12000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 10000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 9000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 8000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 7000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 6000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 5000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 4500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 4000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 3500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 3000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 2500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 2000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1800	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1200	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 900	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 800	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 700	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 600	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 400	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 300	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 200	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 100	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 0	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

TOTAL NUMBER OF OBSERVATIONS 582

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
ETAC
ATTENTION: SERVICE/MAIL

CEILING VERSUS VISIBILITY

STATION 7457 FT LEONARD WOOD MO STATION NAME

73-61 YEAR

DEL MOORE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL MONTHS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	10.3	46.6	47.2	47.2	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	10.3	44.9	52.3	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	10.6	49.9	50.3	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 16000	10.6	49.9	51.4	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 14000	10.6	50.1	50.8	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	10.7	50.9	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	11.2	54.4	54.4	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	11.3	54.6	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000	11.4	57.1	57.3	57.9	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	11.6	58.2	58.4	59.0	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	11.5	58.9	59.5	59.6	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 5000	12.3	60.8	61.5	61.6	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4500	12.1	63.0	63.3	63.9	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	12.1	63.3	64.6	64.8	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3500	12.4	65.5	66.3	66.6	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	12.5	67.4	67.4	68.6	69.2	69.3	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 2500	12.7	69.4	71.0	71.3	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4
≥ 2000	12.7	73.4	74.5	74.8	75.6	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.3
≥ 1800	12.8	74.1	75.3	75.7	76.4	76.6	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.1	77.1
≥ 1500	13.1	76.5	77.9	78.5	79.4	79.7	79.9	80.0	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3
≥ 1200	13.1	78.2	79.8	80.6	81.7	82.0	82.1	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.7
≥ 1000	13.1	79.8	81.6	82.7	84.1	84.5	84.8	84.9	85.0	85.2	85.2	85.3	85.3	85.3	85.4	85.4
≥ 900	13.1	80.4	82.4	83.5	85.2	85.6	86.0	86.1	86.1	86.3	86.4	86.4	86.4	86.5	86.6	86.6
≥ 800	13.2	81.2	83.3	84.6	86.5	87.0	87.7	87.8	88.0	88.2	88.3	88.3	88.3	88.4	88.6	88.6
≥ 700	13.2	81.6	83.8	85.2	87.3	87.8	89.5	88.6	89.9	89.2	89.2	89.3	89.4	89.5	89.6	89.6
≥ 600	13.2	82.0	84.3	85.8	88.2	88.9	89.6	89.9	90.2	90.6	90.6	90.7	90.9	90.9	91.0	91.1
≥ 500	13.2	82.3	84.6	86.4	89.1	89.9	91.1	91.4	91.9	92.4	92.6	92.6	92.9	92.9	93.2	93.3
≥ 400	13.2	82.4	84.8	86.8	90.1	91.0	92.5	93.0	93.6	94.2	94.5	94.6	94.9	95.0	95.2	95.3
≥ 300	13.2	82.4	84.9	86.9	90.5	91.6	93.3	94.1	94.9	95.8	96.3	96.5	96.9	97.0	97.3	97.4
≥ 200	13.2	82.4	84.9	86.9	90.6	91.8	93.5	94.5	95.4	96.6	97.4	97.6	98.2	98.4	98.8	99.0
≥ 100	13.3	82.4	84.9	86.9	90.6	91.8	93.6	94.6	95.5	96.7	97.5	97.7	98.4	98.6	99.3	99.9
≥ 0	13.2	82.4	84.9	86.9	90.6	91.8	93.6	94.6	95.5	96.7	97.5	97.7	98.4	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 4774

U.S. AIR FORCE CLIMATE BRANCH
 AFMPC
 1000 EAST 10TH AVENUE, MAC

CEILING VERSUS VISIBILITY

STATION 451 LEONARD WOOD MC YEAR 73-81 ALL
 STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	9.5	50.6	51.7	52.5	53.1	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7
≥20000	10.1	56.0	57.4	58.1	58.8	59.0	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5
≥18000	10.1	56.1	57.5	58.2	58.9	59.1	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6
≥16000	10.1	56.1	57.5	58.2	58.9	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6
≥14000	10.1	56.5	57.6	58.6	59.3	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
≥12000	10.2	57.4	58.3	59.5	60.3	60.5	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9
≥10000	10.2	58.6	62.4	63.2	64.0	64.2	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.7
≥9000	10.2	60.9	62.5	63.3	64.1	64.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
≥8000	10.2	64.0	65.7	66.6	67.4	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
≥7000	10.3	65.1	66.8	67.7	68.6	68.9	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.5
≥6000	11.3	68.1	67.0	68.9	69.7	70.1	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
≥5000	11.3	67.3	69.0	71.9	72.0	72.2	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.9
≥4500	11.4	67.5	71.6	72.7	73.6	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
≥4000	11.5	71.9	73.1	74.2	75.4	75.7	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥3500	11.6	72.5	74.7	75.9	77.2	77.5	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2
≥3000	11.7	74.9	77.2	78.5	79.9	80.3	80.6	80.7	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0
≥2500	12.1	76.4	78.9	80.3	81.7	82.2	82.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0
≥2000	12.2	78.3	81.0	82.5	84.1	84.5	84.9	85.1	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4
≥1800	12.2	78.7	81.4	82.9	84.6	85.0	85.4	85.6	85.7	85.8	85.8	85.9	85.9	85.9	85.9	86.0
≥1500	12.3	80.4	83.2	84.9	86.8	87.3	87.8	88.0	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4
≥1200	12.4	81.3	84.3	86.1	88.1	88.6	89.2	89.4	89.5	89.6	89.7	89.7	89.7	89.8	89.8	89.8
≥1000	12.4	82.3	85.5	87.4	89.6	90.3	90.8	91.1	91.3	91.4	91.5	91.5	91.6	91.6	91.6	91.7
≥900	12.4	82.7	85.8	87.8	90.2	90.9	91.5	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.3	92.3
≥800	12.4	83.0	86.3	88.4	91.0	91.7	92.4	92.7	93.0	93.1	93.2	93.2	93.3	93.3	93.4	93.4
≥700	12.4	83.3	86.7	88.8	91.6	92.4	93.2	93.6	93.8	94.0	94.1	94.2	94.2	94.3	94.3	94.3
≥600	12.4	83.5	86.9	89.2	92.2	93.1	94.0	94.5	94.8	95.0	95.1	95.2	95.3	95.3	95.3	95.4
≥500	12.4	83.7	87.2	89.5	92.7	93.7	94.8	95.3	95.7	96.0	96.2	96.2	96.4	96.4	96.5	96.5
≥400	12.5	83.6	87.3	89.7	93.0	94.1	95.4	96.1	96.7	97.1	97.3	97.4	97.5	97.6	97.7	97.7
≥300	12.5	83.8	87.3	89.7	93.2	94.3	95.8	96.6	97.3	97.8	98.1	98.2	98.4	98.4	98.6	98.7
≥200	12.5	83.8	87.3	89.7	93.2	94.4	95.9	96.7	97.5	98.1	98.5	98.6	98.9	99.0	99.2	99.4
≥100	12.5	83.3	87.3	89.7	93.2	94.4	95.9	96.8	97.5	98.2	98.6	98.7	99.0	99.2	99.5	99.9
≥0	12.5	83.8	87.3	89.7	93.2	94.4	95.9	96.8	97.5	98.2	98.6	98.7	99.0	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 50973

TOTAL SKY COVER

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

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY
SIGNIFICANT.

SKY COVER

JAN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	36.6			13.0						6.8	43.5	5.4	161
	3-05	37.3			11.9					5.9	44.9	5.4	185	
	06-08	21.4			18.2					13.6	46.9	6.5	782	
	09-11	16.0			20.4					15.0	48.6	6.8	835	
	12-14	16.2			21.7					14.0	48.1	6.7	834	
	15-17	14.3			22.2					18.0	45.5	6.8	830	
	18-20	17.8			23.3					15.5	43.4	6.4	804	
	21-23	31.9			12.1					11.2	44.7	5.8	642	
TOTALS		23.0			17.9					12.5	45.7	6.2	5073	

SKY COVER

FEB
MONTH

MONTH	HOURS LAST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
FEB	02-02	32.9			5.6						3.0	57.5	6.2	167
	03-05	35.9			5.1						5.1	54.0	6.0	198
	06-08	20.7			16.9						13.8	48.6	6.6	734
	09-11	18.2			21.7						17.1	48.0	7.0	760
	12-14	12.4			21.0						20.6	46.0	7.1	751
	15-17	13.2			21.0						21.4	44.4	7.0	757
	18-20	20.1			21.1						15.7	43.2	6.4	741
	21-23	33.3			14.0						10.9	41.8	5.6	615
TOTALS		22.7			15.9						13.5	47.9	6.5	4733

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

104457 FT LEONARD WOOD MO

73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
01-02	20.4				10.8						11.8	57.0	7.1	186
03-05	19.0				15.7						7.9	57.4	6.9	216
06-08	16.6				19.9						15.6	47.8	6.8	793
09-11	13.6				22.0						15.5	49.0	7.0	833
12-14	12.0				21.5						22.2	44.3	7.1	836
15-17	11.0				22.2						23.4	43.4	7.1	837
18-20	15.7				24.3						20.5	39.6	6.5	836
21-23	27.8				20.2						12.0	40.0	5.7	702
TOTALS	17.0				19.6						16.1	47.3	6.8	5239

USAFETAC

FORM
JUL 64

0.9.5 (OL1)

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SKY COVER

APP

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	35.0			6.7						7.8	50.6	6.0	180
	03-05	32.4			10.2						8.9	48.4	6.0	225
	06-08	18.8			20.8						15.4	45.0	6.5	775
	09-11	16.3			22.6						18.1	43.0	6.6	810
	12-14	10.6			27.3						20.6	41.5	6.8	810
	15-17	9.4			28.2						25.7	36.7	6.8	809
	18-20	17.6			20.8						24.5	37.2	6.5	809
	21-23	32.0			18.7						12.1	37.2	5.4	659
TOTALS		21.5			19.4						16.6	42.5	6.3	5077

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

427

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAY	00-02	50.5			20.1						9.8	19.6	3.4	184
	03-05	25.2			24.9						15.5	34.3	5.6	361
	06-08	14.7			20.8						23.7	40.0	6.8	817
	09-11	8.7			24.3						24.5	42.5	7.2	836
	12-14	6.1			21.3						35.2	37.4	7.5	835
	15-17	7.1			26.9						35.4	30.5	7.1	835
	18-20	12.8			29.4						28.9	28.8	6.4	833
	21-23	30.3			28.9						15.4	25.4	4.8	519
TOTALS		17.4			24.6						23.6	32.4	6.1	5220

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

JUN
MON*

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
JUN	30-02	38.5			19.6						10.1	31.8	4.7	179
	03-05	22.2			26.5						18.8	32.4	5.7	324
	06-08	13.6			29.8						22.8	33.8	6.3	793
	09-11	9.3			28.8						30.2	31.7	6.7	805
	12-14	4.3			34.2						33.8	27.7	6.8	810
	15-17	5.3			42.8						29.8	22.1	6.2	810
	18-20	12.0			41.6						24.9	21.5	5.6	759
	21-23	30.7			30.2						17.9	21.2	4.6	424
TOTALS		17.3			31.7						23.5	27.8	5.8	4904

SKY COVER

JUL

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	42.1			25.8						15.1	17.0	3.8	159
	03-05	20.2			35.6						24.9	19.2	5.2	317
	06-08	20.7			29.5						28.2	21.7	5.6	799
	09-11	15.9			36.7						29.0	18.4	5.6	831
	12-14	2.9			40.5						39.4	17.2	6.5	825
	15-17	3.0			43.9						38.3	14.8	6.2	827
	18-20	12.0			41.4						30.9	15.7	5.6	792
	21-23	27.4			37.7						19.1	15.8	4.4	430
TOTALS		12.0			36.4						28.1	17.5	5.4	4980

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

724457 FT LEONARD WOOD MO

73-81

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	56.2			16.8						16.8	10.3	3.0	185
	03-05	35.2			25.6						20.5	18.7	4.5	332
	06-08	19.0			30.5						30.1	20.5	5.7	801
	09-11	13.6			36.1						29.2	21.1	5.8	829
	12-14	3.2			40.6						38.3	17.8	6.5	835
	15-17	3.7			46.4						35.6	14.2	6.0	836
	18-20	16.4			43.6						23.1	16.9	5.1	823
	21-23	37.5			29.7						16.1	17.7	4.1	453
TOTALS		23.1			33.5						26.2	17.2	5.1	5094

USAFETAC

FORM
JUL 62

0-9.5 (OLI)

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2

SEP
MONTH

73-81

STATION

STATION NAME

PERIOD

MONTH

USAFETAC FORM 0-9.5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT LEATHER SERVICE/MAC

SKY COVER

104457 FT LEONARD WOOD MO

73-81

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	41.6			12.9						11.9	33.7	4.8	151
	03-05	49.1			14.5						12.6	24.8	4.0	262
	06-08	30.5			25.1						15.8	28.6	5.0	809
	09-11	26.1			27.4						20.0	26.6	5.3	236
	12-14	20.5			31.0						22.2	26.3	5.6	835
	15-17	20.4			33.8						22.2	23.7	5.4	835
	18-20	31.2			27.7						16.3	24.8	4.8	830
	21-23	43.5			17.1						14.1	25.3	4.3	462
TOTALS		32.7			23.7						16.9	26.7	4.9	4970

USAFETAC

FORM
JUL 64

0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS ULST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	37.0			10.9						12.0	40.2	5.4	92
	03-05	41.1			16.7						6.7	35.6	4.7	90
	06-08	21.5			19.2						18.5	40.9	6.3	731
	09-11	16.9			24.7						18.5	39.8	6.4	809
	12-14	16.4			24.2						22.6	36.9	6.4	807
	15-17	13.7			26.4						22.7	37.2	6.6	803
	18-20	25.6			22.7						13.7	38.0	5.7	794
	21-23	38.9			12.7						8.2	40.2	5.1	645
TOTALS		26.4			19.7						15.4	38.6	5.8	4771

SKY COVER

73-81

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JFC	00-02	41.3			5.0						7.5	46.3	5.5	30
	03-05	43.3			3.3						6.7	46.7	5.4	60
	06-08	14.1			27.0						14.1	44.8	6.6	688
	09-11	10.6			26.5						18.1	42.6	6.7	635
	12-14	12.3			25.8						17.8	44.1	5.8	637
	15-17	13.8			23.9						18.8	43.5	5.8	633
	18-20	22.0			21.8						12.6	43.6	6.2	818
	21-23	30.2			15.3						12.0	42.4	5.8	582

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

14457 FT LEONARD WOOD MO

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	23.9			17.9						12.5	45.7	6.2	5073
FEB		22.7			15.9						13.5	47.9	6.5	4733
MAR		17.0			19.6						16.1	47.3	6.8	5279
APR		21.5			19.4						16.6	42.5	6.3	5077
MAY		19.4			24.6						23.6	32.4	6.1	5220
JUN		17.0			31.7						23.5	27.8	5.8	4904
JUL		18.0			36.4						28.1	17.5	6.4	4980
AUG		23.1			33.5						26.2	17.2	5.1	5094
SEP		21.7			26.6						20.0	31.6	5.8	4955
OCT		32.7			23.7						16.9	26.7	4.9	4970
NOV		25.4			19.7						15.4	38.6	5.8	4771
DEC		23.5			18.8						13.5	44.3	6.2	4733
TOTALS		22.2			24.0						18.8	35.0	5.9	59749

USAFETAC

FORM 0-9.5 (OL1)
JUL 62

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 of occurrence 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 deviations do not include measurements for incomplete months.

Continued on Reverse

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

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

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

METEOROLOGICAL BRANCH
 AFSC
 WEATHER SERVICE/MAC
 4437 FT LEONARD WOOD MO
 STATION STATION NAME

DAILY TEMPERATURES

63-81

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
100							1.5	.2					.1
99							4.1	1.9					.5
98						2.1	14.7	9.5	1.3				2.4
97				.4	.7	17.2	45.7	31.2	10.8	1.7			9.3
96				4.2	12.6	44.2	71.9	58.7	27.6	7.1			19.5
95		.2	2.9	17.7	36.4	72.1	88.4	84.4	46.7	18.3	.5		31.6
94	.3	1.2	8.6	31.6	54.1	89.1	96.6	95.9	69.7	32.6	5.5		41.5
93	1.3	3.1	16.1	47.9	73.3	96.5	99.3	98.6	83.8	49.6	14.6	1.8	50.1
92	4.0	7.5	25.8	66.3	85.9	99.3	100.0	99.5	94.1	66.2	28.5	6.8	58.3
91	8.9	13.8	40.7	81.6	95.1	99.8		100.0	98.9	81.8	40.1	14.2	65.9
90	15.9	21.2	53.4	90.0	98.6	100.0			99.6	91.2	53.8	23.7	71.8
89	26.8	33.8	65.2	94.0	99.7				100.0	96.3	65.9	34.1	77.3
88	37.4	45.6	76.3	97.7	100.0					99.5	79.6	46.4	82.7
87	46.8	53.7	84.5	99.6						100.0	88.1	60.6	87.4
86	59.4	72.7	91.9	100.0							94.5	74.9	91.6
85	72.9	84.5	96.8								96.4	87.6	95.3
84	82.4	93.3	99.1								98.9	94.3	97.5
83	91.6	97.5	100.0								100.0	97.3	99.0
82	95.0	99.4										99.5	99.6
81	98.5	100.0										99.8	99.9
80	99.6											100.0	100.0
79	100.0												100.0
78													
77													
76													
75													
74													
73													
72													
71													
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2													
1													
0													
MEAN	75.1	43.0	55.1	65.4	74.9	82.9	88.1	85.9	78.6	69.1	55.4	44.0	65.4
S D	14.55	13.46	13.73	11.60	8.64	6.67	6.86	6.64	8.51	10.50	12.62	12.90	19.80
TOTAL OBS	527	509	558	570	588	570	537	589	557	589	546	558	6750

CLIMATOLOGY BRANCH
 AFETAC
 AIRCRAFT SERVICE/MAC
 487 FT LEONARD WOOD MO
 STATION

63-61

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MIN							1.2						1.2
0						2.3	10.4	6.1	.4				1.7
5				.2	1.2	18.6	46.2	31.6	11.7				9.5
10			.4	3.0	11.7	51.1	78.9	64.0	31.1	3.0			21.0
15			1.4	12.1	32.7	76.3	92.8	87.1	51.3	12.7	1.3	.2	31.0
20		.6	4.3	26.8	55.8	91.9	96.1	96.8	70.7	27.7	6.8	1.3	41.2
25	1.0	2.6	11.3	42.8	74.7	98.6	99.7	99.5	87.8	43.0	14.6	2.9	49.5
30	3.2	5.1	22.0	59.8	89.8	100.0	100.0	100.0	96.1	59.1	26.1	6.6	56.9
35	7.6	10.8	35.1	78.8	97.1				99.3	75.3	41.2	13.1	64.7
40	16.1	19.8	49.1	90.7	99.1				99.8	91.7	60.2	23.3	72.0
45	22.2	25.5	56.1	94.2	99.7				100.0	94.4	69.0	32.8	75.6
50	28.1	37.1	67.9	97.5	100.0					97.6	79.7	46.4	80.3
55	44.0	54.4	83.7	99.8						99.6	90.0	64.0	87.0
60	57.7	70.3	93.2	100.0						100.0	95.3	79.2	91.8
65	73.1	83.7	97.5								97.6	88.9	95.4
70	81.6	91.4	99.1								99.1	93.4	97.2
75	89.4	96.9	99.5								100.0	96.6	98.6
80	95.1	98.4	99.8									98.9	99.4
85	98.3	99.8	100.0									99.8	99.8
90	99.6	100.0										100.0	100.0
95	100.0												100.0
100													
MEAN	21.7	25.5	35.2	47.6	55.1	63.9	68.4	66.2	59.3	47.8	37.6	27.7	46.3
S D	11.8	11.4	11.2	9.5	7.9	6.0	5.5	5.8	8.1	9.7	10.7	11.2	11.3
TOTAL OBS	527	509	558	570	588	570	587	589	557	589	546	558	6750

AL CLIMATOLOGY BRANCH
 AFSTAC
 WEATHER SERVICE/AFAC
 437 FT LEONARD WOOD MO
 STATION STATION NAME

63-61

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
30							.3						.0
29							3.2	.8					.4
28						1.6	9.9	6.3	.2				1.6
27					1.2	17.5	44.6	31.1	9.0	.5			3.9
26				2.3	10.2	47.0	78.0	62.3	27.3	4.1			19.9
25		.2	1.0	12.3	33.3	76.7	93.0	88.5	51.2	14.4	1.1		31.9
24	.2	.6	5.2	27.7	56.1	93.3	98.8	97.1	71.3	28.4	3.6	.2	41.3
23	.8	2.0	13.3	46.0	75.3	99.5	100.0	99.8	88.7	47.9	13.5	2.0	50.3
22	2.7	5.7	22.2	63.7	90.1	100.0		100.0	97.5	64.3	27.4	6.3	58.0
21	7.6	11.2	37.5	81.8	97.4				99.5	81.8	40.3	12.0	65.4
20	15.9	28.0	52.7	91.8	99.8				100.0	93.7	57.5	22.6	72.4
19	27.3	33.2	68.3	97.7	100.0					99.2	72.8	38.4	79.1
18	40.8	51.3	81.5	100.0						100.0	87.4	55.4	85.5
17	53.7	66.2	91.4								94.2	74.4	90.5
16	66.0	80.4	96.2								97.8	85.5	94.2
15	78.6	89.6	98.7								98.7	92.3	96.7
14	87.3	96.9	99.8								100.0	96.6	98.5
13	94.3	99.0										99.3	99.4
12	97.3	99.8	100.0									99.6	99.7
11	99.5	100.0										100.0	100.0
10	100.0												100.0
9													
8													
7													
6													
5													
4													
3													
2													
1													
MEAN	30.0	34.8	45.4	58.2	65.2	73.7	78.5	76.3	69.2	58.7	46.9	36.1	56.1
S D	13.21	11.73	11.73	9.29	7.61	5.80	5.75	5.60	7.61	9.28	10.99	11.34	18.72
TOTAL OBS	527	529	558	570	588	570	587	589	557	589	548	558	6750

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM JAIL OBSERVATIONS

124457 FT LEONARD 4000 MC
STATION STATION NAME

WORLD REPORTS 'AHEAD' (U)

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) JUL 64 (AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

FROM DAILY OBSERVATIONS.

63-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
62				34	33	56	58	55	44	36	24	-2	
64		15	13	29	45	48	52	51	44	29	6	-1	-1
65	-8	10	34	41	53	57	49	37	29	13	17		-8
66	-7	9	15	29	32	45	59	51	44	28	18	5	-7
67	3	6	13	31	33	49*	49	47	34	28	21	1	1
68	-10	6	16	28	40	50	51	53*	49	27*	33		
69		19	13	33	40	48	63	57	46	25	18	18	
70	-6	1	17	30	37	54	53	55	39	32	5	10	-6
71	3	-2	14	30	34	59	52	55	46	42	21	22	-2
72	-3	8	20	26	45	45	49	56	39	29	26	7	-3
73	3	7	28	25	39	53	63	58	45	37	23	-2	-2
74	-6	10	6	30	46	49	60	53	44	36	27	18	-6
75	7	4	22	23	43	52	55	60	41	30	15	6	4
76	-4	9	23	35	31	52	54	55	45	27	6	-7	-7
77	-11	7	24	33	43	52	61	61	50	31	8	3	-11
78	-1	-3	-4	37	36	49	64	55	48	32	28	12	-4
79	-6	-8	20	28	38	51	60	53	44	34	17	2	-8
80	4	-1	2	32*	37	55	63	61	49	28	23	4	-1
81	12	-4	27	37	41	52*	58	54	42	23	19	2	-4
MEAN	-1.0	4.6	15.5	30.7	38.7	51.2	57.3	54.7	43.4	30.7	17.7	6.4	-4.7
S.D.	6.432	6.904	8.424	3.856	4.763	3.563	4.832	3.757	4.146	4.643	7.436	8.161	3.903
TOTAL OBS	527	509	558	570	588	570	587	589	557	589	548	558	6750

NOYES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-76

YEARS

JAN
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
47 / 61			1.9																3	3																	
47 / 59			.6																1	1	3																
47 / 57			1.2																2	2																	
51 / 55	.6	1.2																	3	3	4																
47 / 53	1.2	.6																	3	3	5																
27 / 51			.6																1	1																	
57 / 49			1.2																2	2																	
47 / 47								1.2											2	2	3																
47 / 45			.6					.6											2	2																	
47 / 43			1.9	2.5	1.2	.6													2	2																	
27 / 41			1.2	3.1	3.7														10	10																	
47 / 39	2.5	3.7	2.5	1.2	.6														13	13	4																
37 / 37	2.5	1.2	1.2	2.5															17	17	18																
37 / 35	.6	4.3	1.2																12	12	14																
37 / 33		1.9	2.5	2.5															10	10	15																
37 / 31			.6	1.2															11	11	10																
27 / 29	.6	3.1	1.9																3	3	9																
27 / 27	.6	1.9	2.5	.6															9	9	5																
27 / 25	.6		1.2																9	9	13																
27 / 23		1.9	1.2																3	3	8																
27 / 21	1.2	1.2																	5	5	2																
17 / 19		3.1																	5	5	4																
17 / 17		3.1	.6																6	6	7																
17 / 15		1.9	.6																4	4	5																
17 / 13		2.5																	4	4	3																
17 / 11		2.5																	4	4	5																
17 / 9	.6	1.2																	3	3	4																
17 / 7	1.9	1.9																	6	6	7																
17 / 5		.6																	1	1																	
47 / 3	1.2																		2	2	3																
7 / 1																																					
7 / -1																																					
7 / -3																																					
Element (X)	Σ X'		Σ X		X		X		X		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.													≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F										Total				
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1070-3200
HOURS 11.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point	
TAL	14.9	41.0	20.7	14.3	3.1																												161	161	161
																																		161	161

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\leq 67^\circ \text{F}$	$\leq 73^\circ \text{F}$	$\leq 80^\circ \text{F}$	$\leq 93^\circ \text{F}$	
Rel. Hum.	906579	11861	73.7	14.3	161							
Dry Bulb	198132	5225	32.4	13.4	161		39.9					93
Wet Bulb	169886	4810	29.9	12.7	161		49.1					93
Dew Point	129944	3952	24.5	14.3	161	3.5	65.9					93

PSYCHROMETRIC SUMMARY

YEARS

NOISE S T

[illegible]

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

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-75

YEARS

JAN
MONTH

PAGE 2 0300-0500
HOURS 3-5 PM

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

704457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1 0600-0800
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 61		.1																															1	1			
1 / 59		.1																															1	1	2	2	
1 / 57			.1																														1	1			
5 / 55		.1	.2																														3	3			
4 / 53		.8	.1	.1																													9	9	5		
2 / 51		.4	.1																														4	4	5	3	
5 / 49		.1	.5																														5	5	4	7	
4 / 47	.3	.9	.3							.3																							13	13	8	3	
4 / 45	.3	.1		.4	.3																												8	8	11	12	
4 / 43	.3	.3	.8	.6																													15	15	4	4	
2 / 41		.9	.4	.1																													11	11	3	4	
4 / 39	.4	1.0	1.0	.4	.4																												25	25	22	7	
3 / 37	.5	2.0	1.9																														35	35	22	11	
3 / 35	.9	3.7	1.2	.3																													47	47	40	15	
3 / 33	.6	4.1	1.4	.5																													52	52	52	22	
2 / 31	.1	3.2	1.8	.1																													41	41	37	47	
1 / 29	.9	3.7	1.3																														46	47	55	55	
1 / 27	.5	6.0	1.0	.1																													60	60	53	35	
1 / 25		3.2	.4																														26	28	52	30	
2 / 23	.1	2.6	.6																														26	26	34	31	
2 / 21	.4	2.8	.8																														31	31	26	56	
1 / 19	.5	7.3	.4																														64	64	34	45	
1 / 17	.1	4.5	.6																														37	37	64	26	
1 / 15	.1	3.5	.5																														32	33	30	36	
1 / 13	.3	2.6	.1																														23	23	32	37	
1 / 11	.6	1.7	.1																														20	20	26	47	
1 / 9	1.2	2.2																															26	26	25	40	
1 / 7	.6	3.1																															29	29	28	20	
1 / 5	.4	1.3																															13	13	21	19	
1 / 3	.6	1.0																															13	13	17	27	
1 / 1	.1	2.4																															20	20	19	29	
1 / -1	.7	.5																															11	11	12	11	
- / -3	1.2	.8																															15	15	15	15	
- / -5	.5	.6																															9	9	9	14	
Element (X)	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X		
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0600-0800
HOURS S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -7	.4	.1																																4	4	5	17
- / -9	.4																																3	3	4	7	
- / -11	.1																																1	1	1	17	
- / -13																																				4	
- / -15																																				7	
- / -17																																				5	
- / -19																																				5	
- / -21																																				1	
- / -23																																				1	
- / -25																																				1	
- / -27																																				3	
- / -29																																				1	
TOTAL	13.4	67.2	15.7	2.7	.6	.3																												781	783	781	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\leq 67^\circ \text{F}$	$\leq 73^\circ \text{F}$	$\leq 80^\circ \text{F}$	$\leq 93^\circ \text{F}$	
Rel. Hum.	4495048	58420	74.8	12.666	781							93
Dry Bulb	594239	18773	24.0	13.577	783	5.1	65.8					93
Wet Bulb	519088	17384	22.3	13.016	781	5.5	71.8					93
Dew Point	404090	13212	16.9	15.216	781	13.0	82.0					93

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1 8900-1100
HOURS 11.5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
67 / 55					.2																												2	2			
66 / 51			.1																														1	1			
65 / 49															.1	.1																	3	3			
64 / 57					.2									.1																			3	3			
63 / 55			.1	.2	.1					.1	.2																						5	5			
62 / 53			.5	.5	.1																												9	9			
61 / 51			.1	.2	.2	.1	.1																										7	7			
60 / 46			.6	.6	.2	.2	.2			.2																							16	16			
59 / 47			.1	.2	.2	.4	.2			.2																							8	8			
58 / 40	.1	.6	.2	2.2	.1	.2				.2																							29	29			
57 / 43	.4	.6	1.7	1.3	.7																												33	33			
56 / 41	.2	1.1	.6	2.0	.5																												36	36			
55 / 39	.4	1.3	2.7	1.1	.4																												43	43			
54 / 37	.2	1.3	1.6	1.4																													38	38			
53 / 35	.3	2.3	1.7	.7	.2																												48	48			
52 / 33	1.1	1.9	2.7	1.3	.1																												50	50			
51 / 31	.2	3.4	1.3	1.1	.1																												55	55			
50 / 29		2.6	2.2	.5	.1																												45	46			
49 / 27		2.9	1.2	.1																													35	35			
48 / 25	.1	2.9	1.6	.4																													41	41			
47 / 23		2.5	.7	.1																													28	28			
46 / 21	.1	2.9	1.4	.1																													38	38			
45 / 19	.1	4.2	1.4	.2																													50	50			
44 / 17		3.7	.6	.1																													37	37			
43 / 15	.1	2.6	.4																														26	26			
42 / 13		3.4	.7																														34	34			
41 / 11	.1	2.5	.6																														27	27			
40 / 9	.1	1.8	.4																														19	20			
39 / 7		1.8	.1																														16	16			
38 / 5		.8																															7	7			
37 / 3	.2	1.3																															13	13			
36 / 1	.1	1.2																															11	11			
35 / -1	.6	.4																															8	8			
34 / -3		.2																															2	2			
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ^2		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																				
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 3922-1100

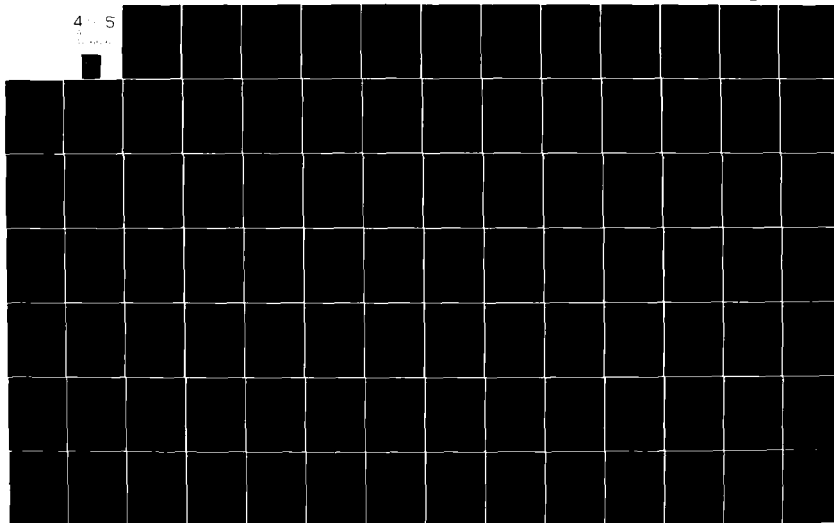
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
- / -5			.4		.2																															5	5	5	21	
- / -7					.2																															2	2	2	12	
- / -9			.1																																	1	1	1	5	
- / -11																																							7	
- / -13																																							9	
- / -15																																							8	
- / -17																																							1	
- / -19																																							1	
- / -21																																							2	
- / -27																																							3	
TAL																																						834	836	834

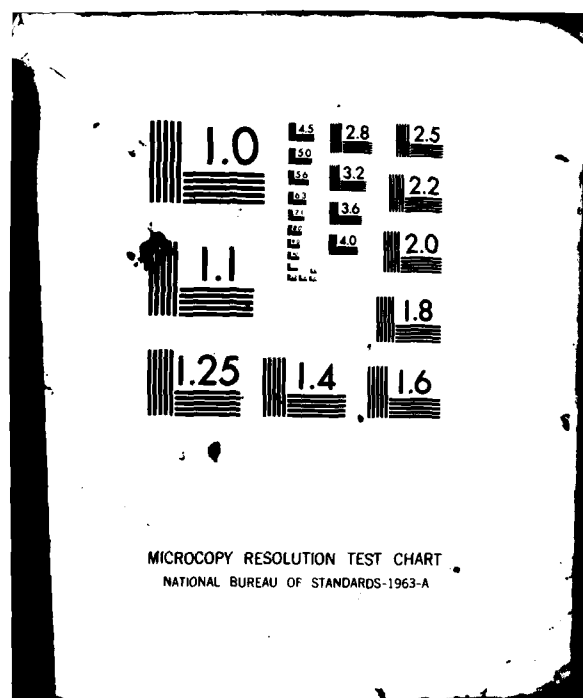
USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL-A110 091 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC (1)
APR 82
UNCLASSIFIED USAFETAC/D5-82/023 SBI-AD-E850 170 NL

4-5

1-1-1





PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 1			.5															4	4	5	29														
/ -1		.2	.2															4	4	7	17														
- / -3			.1															1	1	1	5														
- / -5			.1															1	1	1	15														
- / -7																					8														
- / -9																					6														
- / -11																					6														
- / -13																					3														
- / -15																					4														
- / -17																					1														
- / -19																					1														
- / -25																					2														
- / -27																					1														
TOTAL	3.126	1.25	3.17	0.13	1.8	3.3	2.9	1.2	.8	.1									833	834		833													
																			833		833														

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3136591	48929	58.7	17.765	833							
Dry Bulb	1119781	28329	34.0	13.751	834	.7	44.7	.7				93
Wet Bulb	834186	24432	29.3	11.889	833	1.0	54.8					93
Dew Point	496959	16603	19.9	14.127	833	7.9	75.8					93

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

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DATE

1500-1700

USAFETAC
FORMS
AF 42
0-26-5 (OL A)
SERVED SEVERAL EDITIONS OF THIS FORM AND COMMENT

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JAN
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-6 / -7																					10
-5 / -9																					3
-1 / -11																					7
-1 / -13																					1
-1 / -15																					3
-1 / -17																					1
-1 / -19																					2
-2 / -25																					1
-2 / -27																					2
TOTAL	4.1	35.6	28.3	17.6	9.9	3.2	.9	.4	.1										807	807	807
																			807	807	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
64 / 63			.5															3		3				
63 / 59																					3			
61 / 57		.3	.5															5	5		3			
58 / 55		.6																4	4	4	2			
64 / 53	.2		.3	.3														5	5	6	2			
52 / 51	.3	.2	.9			.9	.2											16	16	2	8			
50 / 49		.3		.2		.2												4	4	6	1			
48 / 47		.3		.5	.8	.2												11	11	7	4			
46 / 45		1.1	.8	1.1	1.6													29	29	4	5			
44 / 43	.5	.3	1.1	1.9	.3													26	26	16	9			
42 / 41	.3	1.2	1.7	1.9	.6													37	37	20	9			
40 / 39	.6	1.1	1.2	1.6	.9													35	35	32	9			
38 / 37		.8	1.1	1.1	.2													20	20	40	16			
36 / 35	.6	2.2	1.1	1.2	.2													34	34	27	13			
34 / 33	.6	1.2	2.0	.5	.3													30	30	47	25			
32 / 31	.5	2.5	1.9	2.2	.6													49	49	31	35			
30 / 29	.5	2.5	2.8	.6														41	41	45	37			
28 / 27		1.9	3.3	.9														39	39	27	40			
26 / 25		2.6	2.2	.2														32	32	47	36			
24 / 23		2.0	1.2	.2														22	22	50	15			
22 / 21	.5	1.9	1.4															24	24	34	28			
20 / 19	.5	4.8	2.3															49	50	23	40			
18 / 17		3.0	1.4															28	28	36	36			
16 / 15		1.2	.9															14	14	34	42			
14 / 13	.2	1.2	.2															10	10	11	27			
12 / 11	.3	1.9	.2															15	15	21	37			
10 / 9	.2	1.7	.3															14	14	10	25			
8 / 7		2.6																17	17	19	24			
6 / 5		1.6																10	10	12	19			
4 / 3	.2	.5																4	4	10	11			
2 / 1	.2	.8																6	6	6	13			
0 / -1		.2																1	1	3	19			
-2 / -3		.3																2	2	1	14			
-4 / -5	.3	.2																3	3	5	5			
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
-1/-7	.2	.2																2	2	1	12												
-1/-9	.2																	1	1	2	2												
-1/-11																					7												
-1/-13																					3												
-14/-15																					4												
-1/-19																					2												
-2/-27																					3												
TOTAL	6.5	4.3	1.2	9.3	1.4	2.5	5.5	1.2	.2										642	643	642												
													</																				

PSYCHROMETRIC SUMMARY

JAN
MONTH

ALL
HOURS 14.5

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				.0						.0								2	2																
69 / 67				.0	.0		.0		.0	.0	.1							9	9																
68 / 65				.0	.0	.1	.0	.1	.0	.1								15	15																
64 / 63		.0	.1				.0	.0	.1									14	14	4															
62 / 61		.1	.0	.0		.0	.1	.0	.1									17	17	4															
61 / 59		.2	.1	.1	.0	.1	.2	.1	.0									40	40	12	11														
61 / 57		.1	.3	.0	.1	.2	.2	.1	.0									43	43	14	12														
56 / 55	.0	.2	.2	.1	.1	.2	.3	.1										62	62	16	11														
54 / 53	.1	.3	.3	.3	.1	.2	.3	.0										64	84	40	17														
52 / 51	.2	.2	.6	.1	.3	.4	.2											96	96	32	35														
51 / 49	.0	.2	.4	.4	.4	.6	.2											110	110	73	30														
49 / 47	.1	.3	.4	.5	.9	.6	.2											149	149	82	25														
48 / 45	.2	.7	.5	.9	.7	.6	.1											181	181	98	70														
44 / 43	.2	.5	.9	1.0	.7	.3												184	184	141	45														
42 / 41	.1	.9	.9	1.3	.9	.0	.1											214	214	153	59														
41 / 39	.4	.9	1.2	1.0	.7	.1	.0											219	219	238	99														
39 / 37	.3	1.4	1.2	1.2	.5	.2												243	243	248	127														
38 / 35	.7	2.3	1.2	.8	.6	.1												283	283	301	139														
34 / 33	.7	1.9	1.7	.9	.6	.1												299	299	328	194														
32 / 31	.3	2.8	2.1	1.5	.6													371	371	278	272														
29 / 29	.2	2.0	2.2	.7	.1													266	268	329	310														
29 / 27	.2	2.4	1.8	.8	.1													264	264	304	235														
29 / 25	.0	2.2	1.6	.7														229	229	320	275														
24 / 23	.0	2.0	.9	.1														156	156	284	220														
22 / 21	.3	2.1	1.9	.4														232	232	240	279														
21 / 19	.2	4.3	1.4	.2														309	313	214	270														
18 / 17	.0	2.8	1.0	.2														204	204	313	253														
18 / 15	.0	2.0	.9															150	151	224	259														
14 / 13	.1	1.8	.3															111	111	142	205														
11 / 11	.2	1.4	.3															98	98	136	251														
10 / 9	.3	1.3	.2															90	91	108	272														
8 / 7	.3	1.6	.0															93	93	106	194														
6 / 5	.2	.9																53	53	72	136														
4 / 3	.2	.7																45	45	57	124														
Element (X)	Σ X ²		Σ X		Σ		Σ _s		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

73-81

YEARS

JAN
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1	.1	.9																48	48	55	141															
-1	.3	.3																32	32	39	107															
-3	.2	.3																23	23	27	77															
-5	.2	.2																19	19	22	69															
-7	.1	.1																8	8	8	66															
-9	.1																	5	5	8	37															
-11	.0																	1	1	1	49															
-13																					21															
-15																					31															
-17																					9															
-19																					11															
-21																					3															
-23																					1															
-25																					7															
-27																					12															
-29																					1															
TOTAL	6.54	1.92	4.61	3.2	7.4	3.8	1.8	.5	.3	.1								5071	5079	5071																

Element (X)	Σ X ²	Σ X	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	23365194	332820	65.6	17.324	5071	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	5689800	154712	30.5	3.871	5079	12.9	412.4	1.6				744
Wet Bulb	4498960	7214	27	2.452	5071	15.4	482.3					744
Dew Point	2986777	7	514.499	5071	73.5	615.8						744

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0000-0200
HOURS 11:55 A.M.

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														
52 / 51		.6																1	1																
51 / 49		2.4																4	4	4															
49 / 47		.6		.6														3	3	2	6														
49 / 45			2.4															4	4																
44 / 43	1.6		1.2		.6													6	6	6	3														
42 / 41			2.4															4	4	3															
41 / 39	1.6	1.8	2.4	1.8														13	13	8	4														
39 / 37	1.8	3.0	1.2	.6														11	11	9	10														
37 / 35	1.8	4.8	1.8															14	14	16	8														
34 / 33	7.8	3.0	2.4															22	22	24	19														
32 / 31	1.2	5.4	1.2															13	13	11	14														
31 / 29	1.2	8.4	4.2															23	23	17	11														
29 / 27		1.8	1.8															6	6	12	11														
29 / 25		3.0																5	5	12	16														
28 / 23	.6	1.8	2.4															8	8	7	4														
27 / 21		1.8																3	3	7	9														
27 / 19		3.6																6	6	5	11														
19 / 17	1.8	1.2																5	5	6	7														
19 / 15	.6	1.8																4	4	4	7														
18 / 13		1.2																2	2	2	6														
18 / 11		3.6																6	6	5	5														
17 / 9	1.8	.6																4	4	7	4														
17 / 7																					1														
17 / 5																					11														
TOTAL	22.2	50.3	24.0	3.0	.6													167	167	167	167														
																						167		167											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-76,80
YEARS

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
57 / 55		.5																1	1																
54 / 53			.5															1	1	1	1														
51 / 49		.5	.5		.5													3	3	1	1														
48 / 47		1.0	.5	1.5														6	6	2	1														
44 / 45		.5	1.5															4	4	2	3														
44 / 43	.5				1.0													3	3	5	3														
42 / 41	.5	1.0	1.0	.5	.5													7	7	7	2														
41 / 39	2.0		.5	2.0														9	9	7	5														
37 / 37	2.0	4.0	.5															13	13	9	8														
37 / 35	1.0	4.0	2.5															15	15	11	6														
34 / 33	5.6	5.1	3.0															27	27	24	22														
32 / 31	2.5	5.6	1.5															19	19	23	15														
29 / 29	3.0	4.5	.5															16	16	22	16														
27 / 27		5.6	1.5															14	14	15	16														
25 / 25		2.5																5	5	8	17														
23 / 23		5.1	1.0	.5														13	13	10	12														
21 / 21		3.0	.5															7	7	9	5														
19 / 19		3.0																6	6	11	13														
17 / 17		2.5																5	5	2	11														
15 / 15	1.5	1.5																6	6	10	8														
13 / 13	.5	2.0																5	5	6	4														
11 / 11		1.0																2	2		5														
9 / 9	3.0	2.0																10	10	11	4														
7 / 7		.5																1	1	1	6														
5 / 5																				1	11														
3 / 3																					2														
1 / 1																					2														
TOTAL	22.2	55.6	15.7	5.6	1.0														198	198	198														

Element (X)	Σ X ²	Σ X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1348026	16164	81.6	12.0	198	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	198615	5951	30.1	10.0	198		46.2					84
Wet Bulb	177749	5629	28.4	9.4	198		54.7					84
Dew Point	144680	4928	24.9	10.5	198		62.4					84

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

Element (X)	Σx^2	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1348026	16164	81.6	12.0	198	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	198615	5951	30.1	10.0	198		46.2					84
Wet Bulb	177749	5629	28.4	9.4	198		54.7					84
Dew Point	144680	4928	24.9	10.5	198		62.4					84

PSYCHROMETRIC SUMMARY

FEB

HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-4 / -5	.1																																	1	1	2	5
- / -7	.3																																2	2	2	5	
- / -9																																				2	
- / -11																																				5	
-1 / -13																																				2	
-1 / -15																																				2	
- / -17																																				1	
-1 / -19																																				1	
- / -21																																				1	
TOTAL	14.4	56.9	19.5	5.6	2.2	.5	.7	.1																										734	734	734	
																																			734	734	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4386912	55922	76.2	13.128	734	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\geq 67^\circ\text{F}$	$\geq 73^\circ\text{F}$	$\geq 80^\circ\text{F}$	$\geq 93^\circ\text{F}$	
Dry Bulb	738653	21225	28.9	13.053	734	1.5	49.8					84
Wet Bulb	638549	19699	26.8	12.243	734	1.7	57.1					84
Dew Point	494343	16177	22.0	13.712	734	5.3	67.2					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

FEB
MONTH

PAGE 1 0900-1100
HOURS L.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																.1																	1	1				
69								.1	.1	.3						.1						.1											6	6				
67							.3								.1	.1					.1											5	5					
65					.1			.1											.1													3	3					
63				.3	.4	.1	.1		.1										.1													9	9					
61						.3				.3	.1																					5	5	3				
59		.1			.1	.4		.4		.5	.4																				12	12	7					
57		.1	.1	.4	.1	.3	.3	.1	.1																						12	12	5	1				
55		.3	.1	.3	.5	.7	.5	.3																							20	20	4	9				
53	.1		.3	.1	.3	.3	.1																								9	9	13	4				
51	.1	.1	.4	.7	.5	.9																									21	21	10	3				
49	.1	.5	.5	.3	.5	.4																									18	18	11	10				
47		.4	.4	.9	1.2	.4	.3																								27	27	19	9				
45		1.2	.4	.4	1.1	.5																									27	27	25	11				
43		1.2	.5	1.3	.8	.4																									32	32	30	9				
41	.3	.7	.7	1.3	.8																										28	28	35	20				
39	1.1	.7	1.3	1.4	.5																										38	38	31	26				
37	.1	1.1	2.1	.9	.1																										33	33	35	23				
35	1.2	2.4	1.2	.8	.1																										43	43	49	26				
33	1.3	3.3	.9	.5	.3																										48	48	59	30				
31	1.1	3.0	2.1	1.7																											60	60	59	49				
29	1.3	2.2	2.6	.1																											48	48	46	62				
27	.5	1.4	2.2	.5																											36	36	42	66				
25		2.5	1.8	.3																											35	35	44	42				
23		1.7	1.6	.1																											26	26	43	20				
21	.3	3.6	1.3																												39	39	33	43				
19	.1	3.2	1.1																												33	33	37	36				
17		1.1	1.1																												16	16	31	37				
15	.1	1.8	.7																												20	20	18	32				
13		2.4	.3																												20	20	22	43				
11		.7	.1																												6	6	18	33				
9		.8	.1																												7	7	7	22				
7		.5																													4	4	7	21				
5		.4																													3	3	7	11				
Element (X)	ΣX^2					ΣX					$\bar{X}$					σ^2					No. Obs.					Mean No. of Hours with Temperature												
Rel. Hum.																										≤ 0 F						≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81 YEARS

FEB MONTH

PAGE 2 0900-1100 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
- / 3			.5																4	4	2	13													
- / 1			.5																4	4	2	19													
/ -1			.1																1	1	4	9													
- / -3		.1																	1	1	2	3													
- / -5																						7													
- / -7																						2													
- / -9																						4													
- / -11																						1													
- / -13																						1													
- / -17																						1													
- / -19																						2													
TOTAL	7.9	38.4	24.2	12.8	9.0	4.2	2.4	1.3	.3	.3	.3								760	760	760	760													

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3659848	51194	67.4	16.689	760	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	1045217	26147	34.4	13.853	760	.2	40.1	1.3				84
Wet Bulb	827340	23348	30.7	12.042	760	.7	46.9					84
Dew Point	568691	18149	23.9	13.351	760	3.3	64.0					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

FEB

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
76 / 75									.1				.3					3													3	3			
74 / 73							.1	.1	.5	.1	.1		.1	.3				11													11				
72 / 71					.1	.1		.5		.1	.1		.1					9													9				
70 / 69					.1	.3	.1	.1		.4								8													8				
68 / 67					.1	.1		.4	.5									9													9				
66 / 65					.4	.3	.4	.4	.3	.3								15													15				
64 / 63				.1	.7		.3	.4	.5	.3								17													17	3			
62 / 61				.1		.5	.4	.3	.3	.1								13													13	5			
60 / 59		.1	.3	.3	.1	.4	.7	.9	.1	.1								23													23	10			
58 / 57		.3	.1	.3	.1	.4	.4	1.1	.4									23													23	11			
56 / 55			.1	.3	.3	.1	.4	.4										12													12	11			
54 / 53		.1		.4	.9	.1	1.2	.4										24													24	16			
52 / 51			.1	.4	.3	.7	1.4	.1										23													23	22			
50 / 49				.5	.4	1.3	.5											21													21	17			
48 / 47		.4	.4	.9	.3	1.3	.3											27													27	23			
46 / 45		.7	.7	.9	1.2	.5												30													30	31			
44 / 43		.9	.5	1.2	1.2	.4	.1											33													33	30			
42 / 41		.5	1.6	1.3	1.7	.1												40													40	46			
40 / 39		.4	1.2	.9	1.1	.3												29													29	41			
38 / 37	.7	.4	1.1	1.1	1.1	.3												34													34	56			
36 / 35	.8	1.1	.9	1.3	1.1													39													39	32			
34 / 33	.4	2.6	.9	1.6	.3													44													44	51			
32 / 31	.4	2.1	2.0	2.2	.4													54													54	45			
30 / 29	.8	1.3	2.0	1.3	.1													42													42	55			
28 / 27	.9	1.3	2.5	1.7														49													49	47			
26 / 25	.1	1.3	3.3	.4														39													39	45			
24 / 23		.4	1.1	.3														13													13	45			
22 / 21		.9	2.2	.1														25													25	35			
20 / 19		.3	2.1	.3														20													20	21			
18 / 17		1.1	1.2															17													17	17			
16 / 15		.4	.4															6													6	26			
14 / 13		.3	.1															3													3	9			
12 / 11		.3	.1															3													3	4			
10 / 9			.1															1													1	3			
Element (X)	$\Sigma X'$			ΣX			$\bar{X}$	σ_x	No. Obs.			Mean No. of Hours with Temperature																							
Rel. Hum.												$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total																	
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) 1A 43 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 7				.1																													1	1	2	24
/ 5																																	1	1		9
/ 3				.1																													1	1	1	13
/ 1																																			1	17
/ -1																																				3
- / -3																																				4
- / -5																																				4
- / -7																																				1
-1 / -11																																				1
-1 / -15																																				2
TOTAL	4.1	17.2	25.1	17.9	11.8	7.4	6.3	5.5	2.4	1.4	.1	.5	.3																				761	761	761	

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

PSYCHROMETRIC SUMMARY

YEARS

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
76 / 75									.3				.4					5	5																
74 / 73								.5	.3	.1	.3	.1	.1					11	11																
72 / 71					.1	.3	.3		.1	.1								7	7																
70 / 69						.4	.1	.3	.1	.3	.4	.1						13	13																
68 / 67						.1	.3			.5		.1						8	8																
66 / 65					.1	.1		.5	.7	.7								16	16																
64 / 63				.4	.4	.4	.3	.1	.8	.5								22	22	1															
62 / 61		.1	.1	.1	.1	.1	.1	.3	.4	.3								13	13	3															
60 / 59		.3		.4		.4	.3	.9	.5	.4								24	24	12															
58 / 57			.1		.3	.1	.3	1.5	.7									22	22	12	4														
56 / 55			.1		.8	.1	.4	.7	.1									17	17	12	2														
54 / 53		.3	.1	.1	1.2	.1	.8	.7										25	25	15	3														
52 / 51			.1	.1	.4	.9	2.1	.1										29	29	16	15														
50 / 49		.5		.3	.3	1.5	.4											22	22	24	8														
48 / 47		.4		1.1	.3	1.7	.4	.1										30	30	23	9														
46 / 45	.1	.5	.1	.7	.7	.8	.1											23	23	34	14														
44 / 43		.5	1.1	1.5	.5	.8	.1											34	34	33	9														
42 / 41		.4	.9	1.1	1.6	.8	.3											38	38	43	12														
40 / 39	.3	1.2	.5	.8	1.6	.7												38	38	57	14														
38 / 37	.3	.4	1.6	.3	1.5	.1												31	31	45	20														
36 / 35	.4	2.5	.9	2.2	.7													51	51	35	29														
34 / 33	.3	.9	1.2	1.1	.4													29	29	57	25														
32 / 31	.4	2.1	.4	3.2	.5													50	50	38	51														
30 / 29	.1	2.0	2.6	2.4														54	54	56	53														
28 / 27	.3	.8	1.7	1.6														33	33	34	43														
26 / 25	.8	1.8	1.8	1.2														43	43	62	56														
24 / 23		.4	.7	.3														10	10	50	60														
22 / 21		.7	1.7	.9														25	25	27	42														
20 / 19		.1	1.6															13	13	18	47														
18 / 17		.7	.8															11	11	19	37														
16 / 15		.5	.1															5	5	18	41														
14 / 13		.3																2	2	7	31														
12 / 11			.4															3	3	3	23														
10 / 9																					36														
Element (X)	Σ X ²		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 9 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
/ 7																					3	18
/ 5																						14
/ 3																						16
/ 1																						13
/ -1																						5
- / -3																						1
- / -5																						3
- / -9																						2
-1 / -11																						1
TOTAL	2.9	17.4	18.9	19.6	11.4	9.5	6.2	5.7	4.0	2.9	.7	.8	.1						757		757	
																			757		757	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2512828	40932	54.11	9.907	757		27.6	4.9	1.8			84
Wet Bulb	1461930	31410	41.51	4.486	757		37.2					84
Dew Point	1010572	26340	34.81	1.155	757	1.3	65.8					84

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

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1800-2000
HOURS 11-5, T.F.

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																																		14	
/ -1																																		10	
- / -3																																		1	
- / -7																																		3	
- / -11																																		1	
TOTAL	3.5	25.6	25.2	18.5	11.1	6.3	4.6	2.7	1.5	.8	.1																							741	
																																		741	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2969176	44868	60.6	18.468	741	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1172594	27806	37.5	13.212	741		32.1	1.2				84
Wet Bulb	873646	24092	32.5	11.049	741		45.0					84
Dew Point	537879	17679	23.9	12.525	741	1.7	66.1					84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

FEB
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
6/ 65						.3																											2	2					
4/ 63						.7		.2																								5	5						
2/ 61			.2	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	10	10	1				
0/ 59		.2	1.1	.2	.2	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	.3	.2	16	16	2	1			
5/ 57	.3		.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	7	7	11	4			
5/ 55		.5	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	7	7	9	8			
4/ 53		.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	1.0	.2																			14	14	9	2				
2/ 51		.3	.3	.3	.3	.3	2.0	.3	.3																							22	22	6	16				
5/ 49			.2	.2	.3	.8	.3																									11	11	7	2				
4/ 47			.3	1.3	.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	.7	18	18	6	1				
4/ 45		.2	1.5	.7	1.3	.7	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	27	27	9	5				
44/ 43	.5	1.1	.8	1.0	.7	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	26	26	15	7				
42/ 41	.2	1.0	1.0	1.8	.7	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	29	29	48	10				
42/ 39	.5	1.6	1.5	.8	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	29	29	31	13				
3/ 37		.7	1.5	1.3	.5																											24	24	38	19				
3/ 35	.5	2.1	1.8	.7																												31	31	30	21				
34/ 33	.7	2.3	2.6	1.1	.3																											43	43	40	33				
2/ 31	.2	5.0	2.8	.8																												54	54	39	27				
5/ 29	.3	2.0	3.3	.8																												39	39	56	40				
2/ 27	.8	2.3	2.8	.5																												39	39	33	51				
5/ 25	.3	1.0	1.6																													18	18	52	48				
24/ 23		1.3	1.8																													19	19	21	33				
2/ 21	.8	2.1	1.8																													29	29	36	17				
5/ 19	.7	3.6	1.8																													37	37	22	53				
1/ 17	.2	1.0	1.1																													14	14	30	34				
1/ 15		2.1	.3																													15	15	15	21				
14/ 13		1.6	.2																													11	11	23	29				
1/ 11		1.3	.5																													11	11	10	36				
1/ 9		1.0																														6	6	5	19				
1/ 7		.3																														2	2	9	13				
1/ 5																																			2				
4/ 3																																							
1/ 1																																							
1/ -1																																							
																																			8				
Element (X)	ΣX^2					ΣX					$\bar{X}$					σ_x					No. Obs.					Mean No. of Hours with Temperature													
Ref. Num.																										≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

PSYCHROMETRIC SUMMARY

73-81

YEARS

FEB

PAGE 2

2100-2300
HOURS S.T.

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

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1

ALL
HOURS 5, 5, 7

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION

73-81

YEARS

FEB
MONTH

PAGE 2

ALL
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 7	.1	.3	.0															17	17	36	123														
/ 5	.0	.2																11	11	20	99														
/ 3	.1	.2																13	13	12	97														
/ 1	.0	.2																10	10	7	92														
/ -1	.1	.0																5	5	10	51														
- / -3	.1	.1																7	7	7	19														
- / -5	.0																	1	1	2	21														
- / -7	.1																	2	2	2	12														
- / -9																					R														
- / -11																					9														
-1 / -13																					3														
-1 / -15																					4														
-1 / -17																					2														
-1 / -19																					3														
- / -21																					1														
TAL	7.6	33.2	23.5	13.8	7.9	5.2	3.5	2.6	1.3	.9	.2	.2	.1						4733		4733														
																		4733		4733															

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21712087	307509	65.0	19.136	4733	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	7021299	169583	35.8	14.133	4733	2.1	297.0	15.2	4.3			672
Wet Bulb	5346304	149068	31.5	11.732	4733	3.0	367.4					672
Dew Point	3478729	113187	23.9	12.772	4733	18.9	517.5					672

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

PSYCHROMETRIC SUMMARY

MAP
MAY 1950

PAGE 1 0000-0200
NOV 5 1964

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
1 / 59		1.1	.5		.5													4		4														
1 / 57		.5	1.1	1.1				.5										6		6	2	1												
5 / 55		1.6	2.7	1.1	1.6		.5											14	14	14	2	2												
4 / 53		.5	.5	1.1	1.6	1.1												3		9	8	1												
2 / 51	.5	2.7	1.6		1.6	1.1												14	14	10		9												
5 / 49		2.2	2.2	1.1	.5													11	11	5		6												
4 / 47	2.2	7.0	.5		1.1													20	20	19	10													
4 / 45	1.6	3.8		1.1														12	12	76	19													
4 / 43		3.8	2.7	1.6														15	15	16	12													
2 / 41		2.2	2.2	1.1														10	10	9	11													
4 / 39		1.1	.5	1.1														5	5	13	10													
3 / 37			1.6	.5														4	4	7	4													
2 / 35	1.6	.5	1.6	1.1														9	9	5	13													
3 / 33		3.2	.5	1.6														10	10	5	6													
2 / 31		2.7	1.1	.5														8	8	11	13													
1 / 29		1.6	2.7															6	6	11	12													
2 / 27	1.6	1.1	3.8															12		9	9													
2 / 25	.5	2.2	2.7															10	10	8	5													
2 / 23	.5	2.2																5	5	15	4													
2 / 21																				5	9													
1 / 19																					9													
1 / 17																					9													
1 / 15																						11												
1 / 13																						1												
TOTAL	6.639	8.28	5.12	9	7.0	2.2	.5	.5										186		186		186												

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	11141.6	14102	75.815	5.98	186	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	351569	7863	42.310	1.79	186		21.5					93
Wet Bulb	302450	7282	39.2	9.686	186		29.5					93
Dew Point	247558	6450	34.711	3.63	186		41.0					93

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

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 1 0300-0500
HOURS 5-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
6 / 65										.5																							1	1		
4 / 63									.9	.5																							3	3		
1 / 61							.5																										1	1		
1 / 59																																				1
1 / 57					.5																												1	1	3	
5 / 55				.9	.9	1.9																										8	8	2	2	
4 / 53			3.2			2.3	1.4	.9																								17	17	3	3	
2 / 51	.9	.5	.5	.9	.5																										7	7	11	6		
5 / 49	.5	2.8	1.4	1.9	.9																										16	16	6	10		
4 / 47	2.8	7.4	.5	1.4	.9																										28	28	26	10		
4 / 45		4.2				2.3		.5																							15	15	19	18		
4 / 43		2.8	1.4	.5	.5																										11	11	16	17		
42 / 41	.5	5.1	2.3	1.4																											20	20	17	16		
4 / 39		2.8	.9		.9																										10	10	20	9		
3 / 37			.9	.9																											4	4	8	7		
7 / 35	1.4	1.4	.9																												8	8	11	16		
34 / 33		1.4	1.9																												7	7	4	12		
2 / 31		2.8	2.8																												12	12	7	15		
7 / 29	.5	.5	.5																												3	3	13	6		
2 / 27	1.9	2.8	1.4																												13	13	9	5		
1 / 25		2.8	2.3																												11	11	8	9		
24 / 23		7.4	.5																												17	17	13	3		
2 / 21		.5	.5																												2	2	16	11		
1 / 19																																		2	10	
1 / 17																																			13	
1 / 15																																			13	
1 / 13																																			1	
1 / 11																																			3	
1 / 9		.5																														1	1	1		
1 / 7																																			1	
TOTAL	8.35	50.9	19.4	13.9	6.0	1.4																										216	216	216		
																																216		216		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1346458	16780	77.7	14.126	216	$\leq 0^\circ F$	$\leq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	385036	8822	40.8	10.723	216		25.4					93
Wet Bulb	336446	8238	38.1	10.175	216		29.7					93
Dew Point	280133	7355	34.1	11.751	216	.4	38.8					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAP
MONTH

PAGE 1 0600-0800
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 69				.1														1	1																
6 / 67					.1			.1										2	2																
6 / 65			.5	.1	.1					.1								6	6																
4 / 63			.1	.9	.4			.1										12	12	1															
7 / 61		.5	.4	.4	.1													11	11	5	1														
7 / 59		.6	.6	.4	.1	.3												16	16	12	6														
5 / 57		.8	.8	.4	.3	.1	.1											19	19	12	5														
5 / 55	.1	.9	.3	.8	.4													19	19	21	17														
4 / 53	.5	1.5	.5	.9	.3	.4												32	32	21	21														
2 / 51	.1	1.4	.6	.9	.6	.4												32	32	22	16														
5 / 49	.4	1.8	1.3	1.3	.6	.5												46	46	26	24														
4 / 47	.6	2.5	1.4	1.4	.4	.5												54	54	46	28														
4 / 45	.5	3.2	1.1	1.0	.6													51	51	41	32														
4 / 43	.3	2.3	2.2	1.1	.3													48	48	63	32														
2 / 41		2.9	1.6	.5	.6													45	45	41	40														
4 / 39	.4	1.8	2.2	.3	.3													38	38	57	41														
3 / 37	.4	3.2	1.0	.8														42	43	48	48														
3 / 35	.3	2.8	1.9	.8	.1													46	47	46	43														
3 / 33	.4	2.3	2.0	.3														39	40	45	49														
2 / 31	.5	4.1	3.0	.6														65	66	37	55														
2 / 29	1.0	2.4	1.8															41	42	65	38														
2 / 27	1.1	2.0	.6	.1														31	31	53	36														
2 / 25	.1	3.0	.5															29	29	39	48														
2 / 23	.1	2.5	1.0															29	29	25	37														
2 / 21	.1	.6	.3															8	8	26	43														
2 / 19	.3	.6	.3															9	9	13	45														
1 / 17		.1	.3															3	3	6	27														
1 / 15																				3	18														
14 / 13		.1																1	1		4														
1 / 11		.5																4	4	1	8														
1 / 9		.1																1	1	4	7														
1 / 7		.1																1	1	2	2														
1 / 5		.3																2	2	2	1														
4 / 3	.1																	1	1	1	3														
Element (X)	Σ X'	Σ X	X	X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

724457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

MAR
MONTH

PAGE 2 0600-0800
HOURS

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
/ 1				.3																													2	2	2	6
/ -1		.1																														1	1	1	2	
-2 / -3		.3																														2	2	2		
-4 / -5																																			4	
-6 / -7																																			2	
TOTAL	7.7	45.2	26.2	12.9	5.3	2.2	.3	.1																								789	794	789		

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4753846	60242	76.4	13.990	789	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	1385144	31808	40.1	11.826	794	.4	27.2	.4				93
Wet Bulb	1188713	29349	37.2	11.095	789	.4	33.2					93
Dew Point	973550	25930	32.9	12.411	789	.9	45.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAR
MONTH

PAGE 1 0930-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb			TOTAL Wet Bulb Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
7 / 77													.1								.1													2	2		
6 / 75													.1				.1	.2																4	4		
4 / 73												.4	.2				.1	.1															7	7			
7 / 71								.5	.4		.2	.2	.2		.1			.1															14	14			
7 / 69					.4	.7	.2	.4	.2		.1				.1					.1													18	18			
6 / 67				.1	.4	.2	1.0	.4			.1	.2																					20	20			
6 / 65				.2	.6	.5	.5	.1	.5		.1																						21	21	4		
4 / 63		.2	.4	.2	.2	.4	.5	.5	.2																								22	22	11		
2 / 61		.1	.6	.8	.5	.4	.2	.5	.1																								27	27	17	3	
7 / 59		.4	.6	.4	.6	1.0	.4	.8	.1																								35	35	27	12	
7 / 57	.1	.5	.5	.6	.8	.7	.8	.1	.1																								36	36	31	18	
5 / 55	.1	.7	.5	.4	1.3	.5	.7	.2																									37	37	29	22	
4 / 53		.2	.4	1.3	.7	.5	1.5	.4																									37	37	21	21	
2 / 51	.1	1.1	1.2	1.0	.5	.6	.1																										38	38	35	22	
6 / 49	.4	1.8	1.2	1.2	.5	1.3	.4																										56	56	44	21	
4 / 47	.4	2.3	.2	1.3	1.2	1.0	.1																										54	54	71	38	
4 / 45	.5	2.3	1.2	1.0	1.3	.4																											55	55	60	37	
4 / 43	.1	.8	1.4	1.3	1.1	.6																											45	45	49	51	
2 / 41		1.1	.8	1.6	.6	.1																											35	35	51	35	
4 / 39	.2	1.2	1.2	1.2	.6																												37	37	52	50	
3 / 37	.4	1.6	1.8	2.6	.4																												56	56	51	38	
7 / 35		1.7	1.6	1.1	.2																												38	38	48	46	
3 / 33	.4	1.1	1.4	1.0	.1																												33	33	53	29	
2 / 31		1.7	1.6	.6	.1																												33	33	48	55	
7 / 29	.6	.7	.6	.4																													19	19	41	47	
2 / 27	.2	1.0	1.1	.1																													20	20	31	69	
2 / 25		.6	.5																														9	9	19	49	
2 / 23		.4	.2																														5	5	11	31	
2 / 21		.1	.2																														3	3	9	37	
2 / 19		.6		.1																													6	6	2	34	
1 / 17		.4	.1																														4	4	9	16	
1 / 15		.2	.1																														3	3	2	11	
14 / 13		.2																															2	2	3	12	
1 / 11		.2																															2	2	2	15	
Element (X)	ΣX'					ΣX					Σ					Σ _s					No. Obs.					Mean No. of Hours with Temperature											
Rel. Hum.																										≤ 0 F						≤ 32 F					
Dry Bulb																										≤ 67 F						≤ 73 F					
Wet Bulb																										≤ 80 F						≤ 93 F					
Dew Point																																					

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

724457 STATION FT LEONARD WOOD MO STATION NAME

73-81

YEARS

MAF
MONTH

PAGE 2 0900-1100
HOURS

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 / 4																						2	3												
2 / 7		.1																1	1	1	1	1													
3 / 9																						2													
4 / 3		.1																1	1	1	1	1													
5 / 1																						3													
6 / -1																						1													
7 / -3																						5													
TOTAL	3.5	23.4	19.8	19.4	12.7	9.7	5.7	3.5	1.4	.7	.2									835		835													
																		835				835													

Element (X)	Z_X'	Z_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3750415	53863	64.5	10.188	835	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	Total
Dry Bulb	1987861	39291	47.1	12.911	835		12.0	7.2	1.4			93
Wet Bulb	1543731	34707	41.6	11.012	835		20.2					93
Dew Point	1130774	28902	34.6	12.503	835	.7	43.7					93

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

724457	FT LEONARD WOOD MO
STATION	STATION NAME

73-81

MAR
MONTH

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

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

PSYCHROMETRIC SUMMARY

YEARS

MAR
MON 1964

PAGE ? 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
1 / 15					.1																												1	1	5	23				
1 / 13																																			2	12				
1 / 11																																				5				
1 / 9																																				3				
1 / 7																																				1				
1 / 5																																				3				
1 / 3																																				1				
1 / 1																																				5				
1 / -1																																				3				
TOTAL	2,911.315,611.112.613.711.310.2 6.0 2.4 2.0 1.1																															835			936			835		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2873456	45816	54.9	20.764	835	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2494679	44263	52.9	13.453	836		5.8	15.5	7.6	1.2		93
Wet Bulb	1768898	37394	44.8	10.632	835		11.4	.3				93
Dew Point	1172028	29446	35.3	12.658	835	.3	41.3					93

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

24457	F. LEONARD WOOD MO
STATION	STATION NAME

MAP
MONTH
YEARS
PAGE 1
1500-1700
HOURS U. S. T.

[illegible]

124457 STATION FT LEONARD WOOD MO STATION NAME

73-61

MAE
MONTANA

PAGE 2

1500-1700
HOURS

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAR
1955

PAGE 1 1800-2000

NOUVEAU

[illegible]

PSYCHROMETRIC SUMMARY

73-81

MAR
MONTH

PAGE 2 1800-2000
HOURS 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 / 11																																				2
1 / 2																																				7
1 / 7																																				4
1 / 5																																				1
1 / 3																																				4
1 / 1																																				6
1 15L	3.3	17.6	16.1	12.2	15.4	13.9	10.2	5.3	3.9	1.2	.6	.2																						836	836	
																																			836	836
																										</										

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

PSYCHROMETRIC SUMMARY

YEARS

MAD
MONTH

PAGE 1 2100-2300
HOURS L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
4 / 73											.1																	1	1					
2 / 71											.3																	2	2					
7 / 69					.1		.7	.3	.3																			10	10					
6 / 67			.1			.1	.4	.1																				6	6					
6 / 65		.4		.7		.4	.4		.1																			15	15					
4 / 63			.3	.9	.3	.9		.1																				17	17	6				
2 / 61		.6	.1	.9	.4	.3	.7	.1	.3																			24	24	8	5			
2 / 59		1.1	1.7	.1	.4	.3	.3	.7																				28	28	17	6			
2 / 57		.1	.9	.9	.6	.7	.6	.7																				31	31	18	7			
5 / 55		1.0	.6	.1	1.7	.7	.4																					27	27	20	18			
4 / 53		.6	.4	.3	.6	1.1	.3																					23	23	26	13			
2 / 51		1.1	1.3	1.1	.9	1.9	.1																					45	45	22	23			
5 / 49		1.9	1.0	1.4	2.0	1.4	.4																					57	57	25	16			
2 / 47	.7	2.3	.9	1.6	1.4	1.1	.1																					57	57	52	26			
4 / 45	.4	2.0	1.3	1.9	1.1	.7																						52	52	54	39			
4 / 43	.4	2.3	1.6	1.6	.6	.7																						50	50	56	35			
2 / 41	.1	.9	1.7	1.3	1.0	.3																						37	37	68	34			
4 / 39	.4	.4	.6	.9	1.4	.3																						28	28	53	34			
3 / 37		1.4	.6	1.7	.7																							31	31	42	24			
2 / 35	.6	1.6	1.1	1.7	.3																							37	37	31	37			
3 / 33	.6	1.7	2.3	.7																								37	37	42	52			
2 / 31	.4	1.4	2.1	.3																								30	30	49	57			
2 / 29	.3	.9	1.9	.1																								22	22	46	46			
2 / 27	.6	.7	.4	.1																								13	13	25	41			
2 / 25		.7	.7																									10	10	20	42			
2 / 23																															4	21		
2 / 21			.3																									2	2	6	34			
2 / 19																														2	38			
1 / 17																															19			
1 / 15		.1	.3																									3	3		15			
1 / 13		.4																										3	3	3	2			
1 / 11		.4																										3	3	3	2			
1 / 9		.1																										1	1	4	4			
1 / 7																															3			
Element (X)	Σ X'	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																							
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

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

PSYCHROMETRIC SUMMARY

YEARS

MAZ

PAGE 2 2100-2300

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

NAR
MONTH

PAGE 1

ALL
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
47 / 53																		.0					.0										3	3		
47 / 51																		.0	.0				.1										8	8		
47 / 49														.1	.1	.0		.0	.0	.2			.1										25	25		
7 / 77												.1	.1	.0				.1	.1	.0		.0			.0								25	25		
47 / 75										.1	.2	.2	.1	.2	.1	.0			.1	.0													46	46		
47 / 73									.2	.2	.2	.2	.1	.1	.1				.1	.1													61	61		
47 / 71							.3	.3	.2	.2	.1	.2	.2	.1	.2	.2	.1																79	79		
47 / 69					.1	.4	.3	.3	.3	.2	.1	.1																					95	95		
47 / 67			.1	.1	.4	.4	.3	.2	.3	.2	.1																						111	111	5	
46 / 65		.1	.2	.5	.4	.3	.4	.3	.4	.3	.4	.2	.3	.2	.1					.0													151	151	17	
47 / 63		.1	.2	.5	.3	.4	.4	.3	.5	.1																							149	149	75	
47 / 61		.5	.4	.5	.4	.3	.4	.5	.5	.1																							186	186	94	16
47 / 59		.7	.5	.2	.4	.9	.6	.7	.5																								231	231	172	62
47 / 57	.0	.4	.5	.5	.6	.6	.7	.7	.3																								223	223	168	92
5 / 55	.1	.0	.6	.7	1.0	.7	.8	.4	.0																								251	251	163	132
47 / 53	.1	.7	.4	.9	.8	.7	.6	.3																									236	236	192	111
47 / 51	.1	1.0	1.0	.7	.9	1.1	.6	.2																									292	292	216	146
5 / 49	.2	1.8	1.1	.9	.9	.8	.4	.0																									321	321	302	151
47 / 47	.6	2.1	.8	.9	.9	.5																											350	350	441	236
47 / 45	.3	1.8	1.0	1.0	.7	1.0	.1																										311	311	378	253
47 / 43	.3	1.3	1.3	1.1	.7	.8	.0																										285	285	379	269
47 / 41	.1	1.4	1.1	1.0	.8	.2	.1																										241	241	350	255
47 / 39	.3	1.1	1.2	.7	.8	.2																											224	225	334	280
3 / 37	.2	1.6	1.0	1.1	.5	.0																											229	230	291	247
47 / 35	.2	1.4	1.3	.9	.2																												212	213	310	287
3 / 33	.3	1.4	1.6	.5	.0																												199	200	264	268
47 / 31	.3	1.5	1.4	.5	.1																												195	196	276	391
47 / 29	.6	.9	.9	.2	.0																												136	137	258	291
47 / 27	.5	.8	.8	.1	.0																												115	115	168	310
47 / 25	.0	.8	.5	.1																													77	77	114	284
47 / 23	.0	.8	.2	.0																													59	59	92	182
2 / 21	.0	.2	.2	.0																													23	23	71	234
47 / 19	.0	.3	.2	.0																													28	28	27	261
1 / 17	.2	.2																															19	19	26	143
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ^2		No. Obs.		Mean No. of Hours with Temperature						Total																			
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

MA 2
MON 1

ALL

ALL
MAY 5 7

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	23161011	330917	63.220.776	5236		$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	12935758	250844	47.913.301	5242	.4	98.5	64.3	23.8	3.7			744
Wet Bulb	9782567	219125	41.810.815	5236	.4	155.6	.7					744
Dew Point	6973403	179849	34.312.330	5236	3.4	345.4						744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73, 75

YEARS

APR
MONTH

PAGE 1 0000-0200
HOURS .. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
76 / 75						1.1																											2	2			
74 / 73						.6																											1	1			
72 / 71					1.1																												2	2			
70 / 69				.6	3.9																												8	8	2		
68 / 67				.6	1.1																												3	3	6	2	
66 / 65					1.1	1.7																											5	5	7	5	
64 / 63				3.9						.6																							8	8	1	8	
62 / 61				2.8						.6	1.7																						9	9	9	4	
60 / 59				5.0						2.2																							13	13	10	8	
58 / 57				1.7	.6	.6	1.1																										7	7	7	6	
56 / 55				2.2	2.2	3.3			1.1																								16	16	6	13	
54 / 53				1.1	.6	.6	1.1	1.1																									8	8	6	2	
52 / 51				1.7		1.7	2.2			1.1																							12	12	13	4	
50 / 49				1.1		.6	1.1																										5	5	11	6	
48 / 47				1.1	1.7	1.1	.6	.6																									9	9	3	3	
46 / 45				2.8	.6	1.7	2.2	.6																									14	14	13	12	
44 / 43					1.1	1.7	1.7	.6																									9	9	13	4	
42 / 41				.6	5.0	4.4	.6																										19	19	7	10	
40 / 39				2.2	1.7	.6																											8	8	12	5	
38 / 37				1.7	1.1	.6																											6	6	17	14	
36 / 35					1.7	1.7																											6	6	17	17	
34 / 33																																				3	4
32 / 31				.6																														1	1	5	5
30 / 29				.6	1.1																												3	3	3	9	
28 / 27				2.8	.6																												6	6	2	13	
26 / 25																																				7	11
24 / 23																																					2
22 / 21																																					6
20 / 19																																					3
18 / 17																																					4
TOTAL				32.6	25.0	21.7	12.8	5.0	2.8																									180	180	180	
																																		180	180		
Element (X)	Z _X ¹	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	966502	12884	71.6	15.7	31	180	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb	488135	9155	50.9	11.2	12	180		5.0	8.0	1.5			90																								
Wet Bulb	412284	8372	46.5	11.3	9	180		8.5	4.0				90																								
Dew Point	342780	7470	41.5	13.5	31	180		26.5	1.0				90																								

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-80

YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.		TOTAL Dry Bulb Wet Bulb		Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
71 / 71					.4								.4																				2	2		
70 / 69					1.8																												4	4		
69 / 67				.4	1.3					.4																							5	5	3	
68 / 65				.4	.9	.9			.4																								6	6	5	
67 / 63				2.2	.4	.4																											7	7	5	
66 / 61				1.8					.4																								5	5	9	
65 / 59				3.1	.4	.9	.4		.4	.9	.9																						15	15	13	
64 / 57				5.8	.4	.4	.4	.4		.4	.4																						17	17	13	
63 / 55				2.2	.4	1.8	.4	.4		.4																							12	12	8	
62 / 53				1.8	1.3	1.3																											10	10	8	
61 / 51				1.8	1.3	1.8	1.8																										15	15	8	
60 / 49				.4	2.2	1.8																											10	10	18	
59 / 47				.9	1.3	2.7	.9																										13	13	7	
58 / 45				4.0	1.3	.9	.4																										15	15	12	
57 / 43				1.3	2.2	1.3	1.3																										14	14	20	
56 / 41				2.2	2.2	3.1	.4																										18	18	16	
55 / 39				3.5	1.8	.9																											14	14	10	
54 / 37				2.7	4.9	.4																											18	18	19	
53 / 35				.4	.4																												2	2	16	
52 / 33				.4	2.7																												7	7	15	
51 / 31				1.3	.9	.4																											6	6	5	
50 / 29					.4																												1	1	6	
49 / 27				2.7	.4																												7	7	3	
48 / 25				.9																													2	2	8	
47 / 23				.4																													1	1	3	
46 / 21																																				
45 / 19																																				
44 / 17																																				
TOTAL				40.7	29.6	19.0	7.5	1.8	1.3																								226	226	226	

Element (X)	Σx^2	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1333610	17078	75.6	13.8	38	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	553936	10918	48.3	10.8	51		6.8	4.4				90
Wet Bulb	479348	10118	44.8	10.7	63		10.0	1.2				90
Dew Point	407856	9178	40.6	12.4	96		25.1					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MD
STATION STATION NAME

73-81
YEARS

APR
MONTH

PAGE 1 0600-0800
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
74 / 73											.1	.1																					2	2			
73 / 71					.1			.3			.1				.1	.1																6	6				
72 / 69				.3	.4	1.2		.6	.3	.3																						23	23				
67 / 67				1.0	.6	.5	.8	.3	.1	.1																						27	27	3			
66 / 65			.5	.8	.8	.1	.5	.3																								23	23	3	2		
64 / 63			.8	.8	.5	.5	.5	.6																								29	29	19	5		
62 / 61		1.9	.8	1.4	.6	1.4	.6	.1																								54	54	32	12		
59 / 59	.3	3.0	1.4	1.3	1.0	.3	.5	.1																								68	68	40	30		
57 / 57		.9	1.0	.9	1.5	1.0	.5																									46	46	44	30		
55 / 55		1.7	1.3	1.0	1.7	.6	.8																									55	55	37	38		
54 / 53		.9	.5	1.9	1.0	.4		.1																								38	38	54	28		
52 / 51		1.3	.9	.8	1.9	.8	.3																									46	46	51	38		
50 / 44		1.7	1.0	2.6	1.2	.4	.3																									55	55	46	23		
47 / 47		1.2	1.8	1.3	1.3	.1	.1																									45	45	56	46		
47 / 45		2.6	2.4	.8	1.4	.3																										58	58	51	46		
47 / 43		.8	2.3	1.4	.5																											39	39	71	40		
42 / 41		1.4	.9	1.3	.4																											31	31	52	48		
41 / 39		1.7	3.0	.5	.1																											41	41	47	57		
37 / 37	.1	1.9	2.3	.9																												41	41	54	47		
35 / 35		.4	1.4	.1																												15	15	39	56		
33 / 33		1.0	.1	.1																												10	10	35	50		
31 / 31	.1	.9	.5	.1		.1																										13	13	20	56		
29 / 29		.3	.3																													4	4	7	41		
27 / 27		.4																														3	3	3	28		
25 / 25		.3																														2	2	4	15		
24 / 23		.3																														2	2	7	14		
22 / 21																																			1	6	
20 / 19																																				9	
18 / 17																																				7	
16 / 15																																				1	
14 / 9																																				2	
12 / 7																																				1	
TOTAL	.5	25.0	25.4	18.9	16.4	8.0	4.6	.8	.4																							776	776	776			
Element (X)	Z ₁	Z ₂	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	3933000	53874	69.4	15.772	776	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																										
Dry Bulb	2144148	40026	51.6	10.135	776		2.8	6.7	.2			90																									
Wet Bulb	1753569	36173	46.6	9.325	776		4.9	.3				90																									
Dew Point	1411354	31998	41.2	10.888	776		20.9					90																									

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

APR
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			
4 / 83																																		2	2				
7 / 81																																		2	2				
7 / 79																																		10	10				
7 / 77																																		24	24				
76 / 75																																		35	35				
74 / 73																																		39	39				
7 / 71																																		53	53	2			
7 / 69																																		40	40	2			
6 / 67																																		44	44	8	3		
6 / 65																																		60	60	25	2		
4 / 63																																		51	51	47	9		
4 / 61																																		45	45	56	22		
7 / 59																																		58	58	57	34		
7 / 57																																		40	40	63	40		
5 / 55																																		53	53	44	42		
4 / 53																																		45	45	59	43		
2 / 51																																		32	32	49	24		
5 / 49																																		44	44	59	23		
4 / 47																																		33	33	69	33		
4 / 45																																		23	23	69	49		
4 / 43																																		17	17	52	50		
2 / 41																																		13	13	46	60		
4 / 39																																		15	15	32	59		
3 / 37																																		13	13	23	43		
7 / 35																																		6	6	19	47		
3 / 33																																		6	6	9	50		
2 / 31																																		4	4	10	51		
7 / 29																																		3	3	5	37		
2 / 27																																				2	22		
2 / 25																																				3	28		
2 / 23																																					18		
2 / 21																																					6		
2 / 19																																					4		
1 / 17																																					7		
Element (X)	ΣX^2			ΣX			$\bar{X}$			σ^2			No. Obs.			Mean No. of Hours with Temperature																							
Rel. Hum.																± 0 F						± 32 F			± 67 F			± 73 F			± 80 F			± 93 F			Total		
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 0900-1100
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B.-W.B.		TOTAL Dry Bulb Wet Bulb Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11	12-13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31								
1 / 15																													1					
1 / 11																													1					
1 / 9																													2					
T-TAL	.5	1.1	6.1	2.0	1.0	2.1	1.5	1.4	7.1	4.6	1.0	.7	6.9	3.8	2.2	1.1	.1										81C	810	810					
																												81C	81C					

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

PSYCHROMETRIC SUMMARY

73-81

YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS 5:11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
8 / 87																																		1	1	
6 / 85														.1	.1																		2	8		
4 / 83													.1					.4	.1														8	8		
2 / 81											.1	.2	.7	.7	.7	.5	.6	.7	.1														37	37		
0 / 79								.1		.5	2.1	.9	1.1	1.1	1.4	.5	.2																64	64		
7 / 77							.1	.2	.5	.9	.6	1.1	.5	.5	.4																		39	39		
6 / 75							.2	.6	.7	.4	.9	.2	.6	.6	.2	.1																	39	39		
4 / 73							.6	.6	.9	.4	1.4	1.9	.9	.6	.1																		59	59	1	
2 / 71					.2		.4	.6	.4	.2	1.0	.9	.5	.1																			35	35	5	
0 / 69				.2	.7		.2	.5	.5	.9	.6	1.6	.4																				46	46	3	
4 / 67			.6	.5	.9		.7	.5	.9	1.7	.7	.4																					56	56	16	
6 / 65		.7	.4	.5	.1	.4	.4	.9	1.9	1.2	.2																						54	54	54	
4 / 63			.2	1.3			.4	.7	1.2	1.5	.7	.1																					48	48	53	
2 / 61			.1	.9		.7	.1	.4	1.4	1.9	.1																						45	45	42	
0 / 59	1.7		.4	.2		.2	.9	.9	1.4	1.7	.1																						55	55	65	
7 / 57	.4		.5		.9	1.2	.9	1.6	.5																								48	48	71	
5 / 55			.1		.1	.9	.9	.9																									23	23	60	
4 / 53			.1	.5	.2	.7	.5																										17	17	57	
2 / 51	.7	.7	.5	.5	.1	.2																										23	23	52		
0 / 49	.5	.6	.9	.1	.1				.1																								19	19	72	
4 / 47	.5	.6		.2	.5			.1																									16	16	67	
4 / 45	.2	.6	.7	.2	.2	.1																											18	18	55	
4 / 43	.5	.4	.6	.1	.1																												14	14	48	
2 / 41	.6	.5	.2	.2																													13	13	22	
4 / 39	.5	.6	.2																														11	11	19	
2 / 37	.2	.5	.1	.2																												9	9	20		
0 / 35	.1	.1																														2	2	10		
34 / 33	.1	.2																														3	3	13		
2 / 31																																			2	
0 / 29																																		3		
2 / 27																																				
0 / 25																																				
24 / 23																																				
2 / 21																																				
Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature																Total														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					Total																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

73-81

YEARS

APR
MON

PAGE 2 1200-1400
HOURS 3-1

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

APP
MONTH

PAGE 1 1500-1700
HOURS S. I.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

[illegible]

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

PSYCHROMETRIC SUMMARY

APR
MAY

PAGE 1 1000-2000
HOURS 1000-2000

[illegible]

PSYCHROMETRIC SUMMARY

APR 1964

PAGE 2 1800-2000
HOURS 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 / 11	.2	.9	.7	1.1	.6	.8	.0	1.1	.0	1.2	.2	1.3	.4	1.2	.4	1.0	.3	.6	.9	.3	.0	.1	.7	.1	.	.	.	.	.	.	.	.	.	.	.	809	809	809
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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 44

PSYCHROMETRIC SUMMARY

YEARS!

AFD
MON-FR

PAGE 1 2100-2300
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 77									.2												.2												2	2		
74 / 75						.2	.3		.5		.2	.2	.3		.2	.2																	8	6		
74 / 73					.3		.5		.2	.2	.3		.2	.2																			11	11		
7 / 71				.3	.3	.3	.8	2.0	.3	.6																							32	32		
7 / 69				.5	.3	.8	1.5	.5	1.4																								34	34	6	
6 / 67		.2	.8	.9	.9	.9	1.1	1.2	.3	.5																							44	44	4	3
6 / 65		.2	.8	.3	.2	.8	1.2	.8	.8																								32	32	6	3
64 / 63		.9	.9	.8	1.1	.5	.8	.8	.8																								42	42	18	7
7 / 61		1.8	.6	1.2	.6	.9	.9	.3	.3	.2																							45	45	37	11
7 / 59	.2	1.8	2.0	.5	.6	.6	1.2	.9	.2																								52	52	53	26
7 / 57		.9	.5	1.4	1.4	1.8	1.1	.6																									50	50	43	27
5 / 55		1.8	.6	.5	.8	2.1	.8	.5	.2																								47	47	50	35
4 / 53		1.1	.3	.6	1.5	.8	1.4																										37	37	41	35
2 / 51		.8	.8	.8	1.1	1.4	1.1	.3																									40	40	40	35
5 / 49		.6	.6	1.4	.5	1.1	1.1																										34	34	47	33
4 / 47		1.1	1.7	1.8	1.7	.5	.3																										46	46	47	25
4 / 45		1.1	.6	1.1	1.5		.2																										29	29	55	33
4 / 43		1.1	1.5	.5	.3																												22	22	53	37
2 / 41		.5	.6	.6	.3																												13	13	41	37
4 / 39	.2	1.1	.6	.3	.3																												16	16	46	33
7 / 37		.5	.5	.3	.5																												11	11	30	49
7 / 35	.2	.3																															3	3	16	47
3 / 33	.2	.2		.2																													3	3	7	38
2 / 31			.2																														1	1	7	33
7 / 29		.5	.2																														4	4	1	32
2 / 27		.5																															3	3	8	22
7 / 25																																			1	17
2 / 23																																				16
2 / 21																																				9
7 / 19																																				6
7 / 17																																				9
1 / 15																																				1
14 / 13																																				1
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total															
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F															
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

ADD
MONTM

PAGE 2 2100-2300
HOURS - S. T.

[illegible]

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

PSYCHROMETRIC SUMMARY

APR
MONTH

ALL
HOURS 11.5. T.

[illegible]

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

APR
MONTH

PAGE 2

ALL
HOURS - L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 1																																		50	
1 / 17																																		60	
1 / 15																																		8	
1 / 13																																		2	
1 / 11																																		2	
1 / 9																																		4	
1 / 7																																		1	
TOTAL		14.2	14.0	11.3	11.1	10.3	10.4	8.9	7.6	5.9	2.9	1.8	.9	.3																				5080	
																																		5080	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	18110125	283649	55.82	1.151	5080	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	18724791	302083	59.51	2.244	5080		10.8	219.1	113.5	32.5		720
Wet Bulb	13381596	256372	50.5	9.342	5080		20.4	14.7	.3			720
Dew Point	9452293	211291	41.61	1.435	5080		174.0	2.3				720

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 0000-0200
HOURS 10:50:00

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															
66 / 75			1.1															2	2																	
64 / 73			.5	1.6														4	4																	
71 / 71		3.2																6	6	8																
71 / 69		1.6	1.1	.5														6	6	4	12															
67 / 67		1.1	4.3	1.1	.5													13	13	3	2															
67 / 65		3.8	2.2	2.7	1.1													18	18	9	4															
67 / 63	.5	2.2	3.2	1.1	.5													14	14	18	13															
67 / 61	2.2	4.3	2.2	1.6	1.1													21	21	16	14															
67 / 59	.5	1.1	2.2	2.7	.5													13	13	18	11															
67 / 57	1.1	4.3	4.3	1.1		.5												21	21	13	17															
67 / 55	.5	3.8	2.7		.5													14	14	17	14															
67 / 53		9.7	2.2	.5														23	23	29	18															
67 / 51			.5	1.1		.5												4	4	16	22															
67 / 49			.5	.5	2.2													6	6	2	17															
67 / 47		.5	1.1	1.1	.5													6	6	5	8															
67 / 45		.5	.5	3.2														8	8	5																
67 / 43			1.6	.5														4	4	4	2															
67 / 41		.5	.5															2	2	7	5															
67 / 39																				11	3															
67 / 37																				1	2															
67 / 35																					5															
67 / 33																					6															
67 / 31																					7															
67 / 29																					3															
T TALL	4.9	37.3	31.9	17.8	7.0	1.1													185	185	185															
																			185		185															

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1242195	14983	81.0	12.497	185	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	657384	10938	59.1	7.619	185			15.6	3.0			93
Wet Bulb	590632	10342	55.9	8.238	185			7.5				93
Dew Point	540319	9825	53.1	10.036	185		5.0	7.0				93

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

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 0300-0500
HOURS 5 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 / 75			.3															1	1																
67 / 73		.3																1	1																
71 / 71		1.4																5	5	5	1														
69 / 69	.6	1.7	.8	.3														12	12	7	8														
67 / 67		2.2	2.2	.3														17	17	8	6														
65 / 65	.6	3.0	2.5	.3														23	23	14	11														
63 / 63		5.5	1.7	1.7														32	32	26	19														
61 / 61	.8	5.2	2.2	.3	.6													33	33	25	25														
59 / 59	2.2	3.3	1.4	1.4	.3													31	31	33	30														
57 / 57	.3	3.6	2.2	1.7	.6	.6	.3											33	33	35	28														
55 / 55	.8	6.6	1.1	.6	.6	.3												36	36	20	30														
53 / 53	.3	6.3	1.9	.8		.3												35	35	38	20														
51 / 51		3.6	1.9	2.5		.6												31	31	32	37														
49 / 49		1.9	1.9	.3	.3													16	16	28	26														
47 / 47		.8	1.4															9	8	20	20														
45 / 45	.3	1.4	1.7	.6														14	14	18	15														
43 / 43		1.7	1.1	.6														12	12	11	12														
41 / 41		.8	1.7	.8														12	12	12	17														
39 / 39		.8	.8															6	6	11	17														
37 / 37			.6															2	2	12	6														
35 / 35		.3	.3															2	2	3	8														
33 / 33																				3	9														
31 / 31		.3																1	1	1	9														
29 / 29																				1	4														
27 / 27																					2														
25 / 25																					2														
23 / 23																					1														
TOTAL	5.4	50.7	27.5	11.8	2.2	1.7	.3											363	363	363	363														

Element (X)	ΣX'	ΣX	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	1-32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2589850	30366	83.7	11.7	363							
Dry Bulb	1183241	20517	56.5	8.075	363		.3	9.2	.5			93
Wet Bulb	1078980	19546	53.8	8.558	363		.5	5.1				93
Dew Point	999127	18695	51.5	10.015	363		4.6	3.8				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb			TOTAL Wet Bulb Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
79						.1																										1	1				
78					.7	.4				.1																					4	4					
77				.6	.7	.9	.4																								15	15					
76			.9	.7	1.0	.7	.2	.1																							21	21	4				
75		.9	2.2	1.0	1.0	.1			.2																						30	30	16	9			
74		.9	2.2	1.0	1.0	.1			.2																						44	44	20	16			
73	.2	1.8	2.8	.6	.9	.1	.2																								55	55	30	18			
72		3.2	3.1	1.5	.2	.5	.2	.1																							72	72	49	22			
71		3.5	2.2	2.1	.5		.1	.1																							70	70	64	59			
70	.1	4.6	1.6	1.0	1.3	.7	.2																								79	79	73	62			
69	.6	2.8	2.6	.9	1.0	.5	.2		.1																						71	71	76	71			
68	.5	3.1	1.6	2.2	1.0	.9	.2																								75	75	62	67			
67	.4	3.9	1.2	.6	1.2	.2	.4																								65	65	69	60			
66	.2	2.2	1.0	2.2	.5	.1																									51	51	71	55			
65		1.8	1.5	1.6	.2	.2																									44	44	49	65			
64		1.8	1.2	.6	.6	.1																									36	36	54	22			
63	.1	.9	1.2	.6	.1																										24	24	59	55			
62		1.2	.9	.2	.5	.1																									24	24	33	43			
61		.7	.4	.4	.1	.1																									14	14	35	35			
60		.6	.5	.6	.1																										15	15	17	51			
59			.4																												3	3	12	31			
58		.2	.2																												4	4	14	20			
57			.1																												1	1	8	14			
56																																		2	11		
55			.1																												1	1	1	10			
54																																		1	9		
53																																			5		
52																																			6		
51																																			1		
50																																			2		
TOTAL	2.2	34.8	26.9	18.4	11.0	4.3	1.8	.5	.1																						819	819	819				

Element (X)	Σx'	Σx	X	°s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5105987	63641	77.7	14.017	819	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	2956068	48734	59.5	8.288	819		.1	19.3	4.7			93
Wet Bulb	2583360	45480	55.5	8.406	819		.2	7.9	.5			93
Dew Point	2313541	42735	52.2	10.112	819		3.7	4.9				93

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAY
MONTH

PAGE 1 0900-1100

NOV 5 1964

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
67 / 85													.2	.4	.2																		7	7		
47 / 83								.2	.4			.7	.1	.2	.1																		15	15		
7 / 91							1.7	.5	1.0		.4	.2																					28	28		
7 / 79				.1	.7	.5	1.7	.7	.5		.5					.1																40	40			
7 / 77				.2	.7	.8	1.9	.7	1.0		.4	.2	.2																			52	52			
6 / 75		.1	.4	.5	3.1	1.6	.7	.6	.1	.4														.1								63	63	8		
47 / 73		.1	.4	2.2	2.7	1.4	1.0	.4	1.6																							76	76	26	4	
7 / 71		.1	.6	1.0	.8	1.0	.8	.8	1.0		.1																					52	52	31	19	
7 / 69			1.8	1.3	1.1	1.0	1.6	1.2	.6	.2																						73	73	41	16	
7 / 67		.5	1.6	.4	1.2	1.1	1.2	1.1	.1																							57	57	78	17	
6 / 65		1.0	1.3	1.3	1.8	.7	1.2	.8	.6	.1																						74	74	77	55	
47 / 63		1.0	.5	1.3	.7	.7	1.0	1.0	.6	.1																						57	57	68	72	
7 / 61	.2	1.3	1.0	1.0	.8	.6	1.1	.5	.5																							58	58	55	75	
7 / 59	.2	1.8	.8	.5	1.0	1.1	.8	.7	.1																							59	59	69	51	
7 / 57		1.3	1.1		.6	.6		.4	.1																							34	34	84	43	
5 / 55		1.3	.4	.6	.5	.4	.2	.4																								31	31	64	61	
47 / 53	.1	.4	.5		.1	.2																										14	14	66	62	
47 / 51		.6	.2	.1	.2	.1																										11	11	35	54	
5 / 49		.4		.2	.5	.4																										12	12	45	26	
7 / 47		.8	.1	.5		.2																										14	14	28	47	
4 / 45		.5				.1																										5	5	26	36	
47 / 43		.4			.1																											4	4	20	47	
2 / 41																																			6	35
4 / 39																																			4	20
7 / 37																																		2	26	
7 / 35																																		1	14	
3 / 33																																				11
2 / 31																																				11
7 / 29																																				10
2 / 27																																				10
2 / 25																																				10
2 / 23																																				3
2 / 21																																				1
Element (X)	2 X'		2 X		X		σ _n		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total													
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 2 0900-1100
HOURS 1. S. Y.

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAY
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
91																	.1																1	1				
89																	.1				.1		.1		.1								4	4				
87											.1	.5	.5	.2			.1			.1													13	13				
85										.5	.8	1.1	1.0	.7								.1												35	35			
83							.5	.5	1.6	1.0	1.8	.8	.5																					55	55			
81							.6	.6	.6	2.3	1.6	.8	.2																					56	56			
79					.1	.1	1.2	1.2	1.7	1.0	1.1	.1	.4																					57	57			
77			.1	.1	1.2	1.7	.6	1.3	.7	.8	.5	.1	.4																					62	62	2		
75			.5	1.4	.6	.7	1.4	1.0	1.3	.4																								61	61	19		
73		.1	1.1	.8	.6	1.1	1.1	1.2	.8	.2																								57	57	23	2	
71		.1	.6	1.7	.6	1.3	1.4	1.4	1.2	.5	.1																							75	75	34	15	
69		.2	1.0	1.2	.8	1.9	1.3	.8	1.0	1.3	.1																							81	81	54	16	
67		.1	.7	.6	.4	.8	.2	1.7	1.0	.6	.1																							52	52	97	22	
65		.5	.2	1.1	.5	.5	.2	.8	1.1	.2																								43	43	70	54	
63		.6	.6	.6	.6	.8	.5	.6	.1	.7																								43	43	70	52	
61		.8	1.6	.7	.5	.2	1.0	.4	.7																									49	49	72	64	
59		1.3	.4	.6	.1	.1	.2	.1	.2																									26	26	78	58	
57		.4	.6	.6	.2			.1	.4																									19	19	83	66	
55		.2	.1	.1	.4				.1																									8	8	46	58	
53	.1	.6	.1	.4	.2			.1																										13	13	61	62	
51			.2	.1	.4	.2	.1																											9	9	40	60	
49		.2	.1	.2		.1																												6	6	28	43	
47		.5	.1																																5	5	22	34
45		.2																																	2	2	19	33
43		.4																																	3	3	11	28
41																																					4	42
39																																					2	30
37																																						20
35																																						22
33																																						15
31																																						9
29																																						6
27																																						11
25																																						11
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																																						
Dry Bulb																																						

PSYCHROMETRIC SUMMARY

YEARS

MAY
MAY

PAGE 2 1200-1400
HOURS 2-5

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS: 5. 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 / 89															.1	.1				.1	.2												5	5		
2 / 87															.2	.3	.4	.5	.6	.7	.8	.9											26	28		
3 / 85											.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2											32	32		
4 / 83								.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6											55	55		
5 / 81						.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7				.1							56	57		
6 / 79						.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8				.2	.4						60	60		
7 / 77						.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9				.3							56	56	1	
8 / 75			.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0											48	48	14	
9 / 73			.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1											86	86	23	3
10 / 71			.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2											88	88	36	11
11 / 69			.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3											60	60	49	10
12 / 67			.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4											61	61	101	23
13 / 65			.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5											49	49	70	62
14 / 63			.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6											37	37	86	39
15 / 61			.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7											23	23	69	68
16 / 59			.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8											34	34	63	60
17 / 57			1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9											25	25	89	64
18 / 55			1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0											13	13	60	66
19 / 53			1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1											6	6	52	55
20 / 51			1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2											7	7	47	70
21 / 49			1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3											6	6	21	41
22 / 47			1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4											3	3	23	35
23 / 45			1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5													17	26
24 / 43			1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6											1	1	7	22
25 / 41			1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7											2	2	7	36
26 / 39			1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8														36
27 / 37			2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9														40
28 / 35			2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0														11
29 / 33			2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1														9
30 / 31			2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2														9
31 / 29			2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3														16
32 / 27			2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4														6
33 / 25			2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5														11
34 / 21			2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6														1
Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 3 1500-1700
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1	1.1	5.5	6.0	6.8	10.1	2.0	1.1	3.0	15.0	13.5	10.7	5.1	1.2	5.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

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

PSYCHROMETRIC SUMMARY

PAGE 1 1800-2000
HOURS

[illegible]

A' SEATTLE SERVICE/MAC

STATION NAME

73-81

PSYCHROMETRIC SUMMARY

YEARS

MAY
MAY 4

MOVES 3 1

Element (X)	$Z_{X'}$	Z_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						$\pm 0^\circ\text{F}$	$\pm 32^\circ\text{F}$	$\pm 67^\circ\text{F}$	$\pm 73^\circ\text{F}$	$\pm 80^\circ\text{F}$	$\pm 93^\circ\text{F}$	Total
Rel. Hum.	3360143	50745	67.918	2.41	833							
Dry Bulb	3686699	56477	67.8	8.319	833			54.1	28.1	6.7		93
Wet Bulb	2979353	49401	59.3	7.723	833			16.9	2.9			93
Dew Point	2407489	43879	52.710	7.49	833		4.9	5.6	.2			93

USAFETYAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 1 2100-2300
HOURS

Temp. (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb Dew Point			
7 / 75							.2																										2	2			
7 / 77					.2	.6									.2																		6	6			
6 / 75				1.0	.6	1.0								.2	.4																		16	16			
4 / 73			.4	.5	2.1	.6					.6	.6																					27	27			
7 / 71			.8	1.7	2.5	1.7	.4				.2																						38	38			
7 / 69			.2	2.7	.8	2.7	1.2										.2																40	40			
7 / 67			1.5	2.9	1.2	1.7	.6				.8	.4																					47	47			
6 / 65			2.9	1.5	2.1	1.5	1.0	1.2	.2	.2																							57	57			
4 / 63	.2		2.5	1.5	1.3	1.2	.6	1.2	.2																								45	45			
2 / 61			2.9	1.9	3.3	1.3	1.0	.8	.2	.2																							60	60			
7 / 59	.5		1.5	.4	1.7	1.5	1.2	.6	.2																								40	40			
7 / 57	.4		1.9	1.3	.6	.4	1.3	.4																									33	33			
5 / 55			3.7	1.3	.2	1.5	.4																										39	39			
4 / 53	.6		1.0	.6	.6	.6	.6																										20	20			
7 / 51	.2		.6	.4	.6	.5	.6																										16	16			
7 / 49			.2	1.0	.4	.6																											11	11			
7 / 47			.4	.6	.8	.4	.2																										11	11			
4 / 45			.2	.4		.2																											4	4			
4 / 43			.6			.4																											5	5			
4 / 41			.2			.6																											2	2			
4 / 39																																			6	6	
7 / 37																																			1	1	
7 / 35																																			3	3	
3 / 33																																				8	8
2 / 31																																				7	7
7 / 29																																				5	5
7 / 27																																				3	3
7 / 25																																				1	1
7 / 23																																					
TOTAL	1.2	21	219	720	418	310	0	6.2	1.7	.6																							519	519			

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	2783584	37043	71.4	16.379	519	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F
Dry Bulb	2066465	32675	63.0	7.524	519			31.5	9.1	.2	
Wet Bulb	1746517	29831	57.5	7.847	519			10.2	1.3		
Dew Point	1558896	27468	52.9	15.319	519		4.3	4.8			

734457	FT LEONARD WOOD MO
STATION	STATION NAME

YEARS

MAY
MONTH

PAGE 1

ALL
HOURS S. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAY
MONTH

PAGE 2

ALL
HOURS S. T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
24 / 23																					12
21 / 21																					4
/ 15																					2
TOTAL	1.4	18.0	14.7	12.9	12.5	10.0	8.2	8.9	6.6	3.8	1.4	.4	.2						5225	5225	
																		5225	5225		

Element (X)	ΣX^2	ΣX	$\bar{X}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	23030974	337222	64.5	19.890	5225							
Dry Bulb	23455460	346138	66.2	10.025	5225		.3	370.1	207.0	75.2		744
Wet Bulb	18256380	305826	58.5	8.255	5225		.6	135.3	21.8			744
Dew Point	15313090	274580	52.6	10.569	5225		36.6	43.7	1.6			744

PSYCHROMETRIC SUMMARY

YEARS

JUN
MON 21

PAGE 1 0000-0200
HOURS 0000-0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 77			1.1	2.8	1.7													10	10																
4 / 75		.6	2.2	2.2	1.7	.6												13	13																
4 / 73		1.1	7.2	5.0	2.8													29	29	3	1														
7 / 71		1.1	1.0	2.8		.6												26	26	19	4														
7 / 69		2.2	5.6	.6	2.2													19	19	25	19														
6 / 67		1.7	5.7	1.1	3.3													20	20	31	22														
6 / 65		1.7	6.1	2.2	1.1													20	20	17	26														
4 / 63		.6	.6	4.4														10	10	25	21														
2 / 61		3.9		4.4	.6													16	16	11	25														
7 / 59		1.7	1.7	.6														7	7	19	7														
4 / 57		3.3																6	6	14	16														
5 / 55		.6																1	1	12	16														
4 / 53			1.1															2	2	1	11														
2 / 51			.6															1	1	2	8														
5 / 49																				1	3														
7 / 47																					1														
TOTAL		10.3	41.2	6.1	13.3	1.1												180	180	180	180														

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1176359	14421	80.1	9.153	180	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	849289	12323	68.5	5.615	180			58.5	26.0			90
Wet Bulb	750671	11585	64.4	5.310	180			39.0	1.5			90
Dew Point	698029	11161	62.0	5.782	180			23.0	.5			90

JSAFETAC
FORM
NO. 4-4
0-20-5 (QLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-79

YEARS

JUN
MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
7 / 77				.3	.2																												2	2			
6 / 75			.3	.6	2.1	.3																											11	11			
4 / 73			1.5	3.7	1.2	.9	.3																										23	23			
2 / 71			1.5	3.2	1.8	.9	.6																										43	43			
1 / 69			3.6	7.3	1.5	.6																											43	43			
4 / 67			3.9	5.2	.9	1.2																											37	37			
6 / 65	.3		5.2	3.9	2.1	.6																											40	40			
4 / 63			.9	3.6	3.0	.3	.3																										27	27			
2 / 61	.3		2.4	2.4	1.5	.3																											23	23			
1 / 59			2.7	2.7	1.8																												24	24			
5 / 57			3.6	2.7	.6																												23	23			
5 / 55	.3		2.4	.9	.3																												13	13			
4 / 53			2.7	1.2																													13	13			
2 / 51			1.2	.6																													6	6			
1 / 49			.3	.3																													2	2			
1 / 47																																					
4 / 45																																					
4 / 43																																					
TOTAL			32.4	42.7	17.3	5.5	1.2																										330	330			
																																		330	330		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2266334	27198	82.4	8.669	330	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	1422741	21569	65.4	6.281	330			43.4	9.8			90
Wet Bulb	1279931	20455	62.7	6.047	330			25.6	.3			90
Dew Point	1194541	19737	59.8	6.544	330			16.4				90

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

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	2266334	27198	82.4	8.669	330	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$
Dry Bulb	1422741	21569	65.4	6.281	330			43.4	9.8		90
Wet Bulb	1279931	20455	62.7	6.047	330			25.6	.3		90
Dew Point	1194541	19737	59.8	6.544	330			16.4			90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1

0600-1800
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb			TOTAL Wet Bulb Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
4 / 23																																	3	3			
5 / 21																																	11	11			
6 / 19																																	30	30			
7 / 17																																	39	39			
8 / 15																																	74	74			
9 / 13																																	74	74			
10 / 11																																	83	83			
11 / 9																																	91	91			
12 / 7																																	104	104			
13 / 5																																	68	68			
14 / 3																																	83	83			
15 / 1																																	50	50			
16 / -1																																	44	44			
17 / -3																																	11	11			
18 / -5																																	9	9			
19 / -7																																	3	3			
20 / -9																																					
21 / -11																																					
22 / -13																																					
23 / -15																																					
24 / -17																																					
25 / -19																																					
26 / -21																																					
27 / -23																																					
28 / -25																																					
29 / -27																																					
30 / -29																																					
31 / -31																																					
TOTAL	18.9	33.6	22.8	17.1	7.0	2.9	.7																									801	801				

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4751486	60992	76.1	11.579	801	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	90
Dry Bulb	3796864	54916	68.6	6.311	801			57.2	26.0	3.0		90
Wet Bulb	3270480	50966	63.6	5.875	801			30.8	4.0			90
Dew Point	2969514	48466	60.5	6.800	801			20.9	1.5			90

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

HOURS 12, 5, 7.

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

HOURS 11:30-1:00

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total
Rel. Hum.	2595360	44120	54.5	15.303	809							
Dry Bulb	5266147	65267	80.3	6.973	810			87.9	77.6	49.8	2.0	90
Wet Bulb	3807677	55321	68.4	5.531	809			56.5	24.1	.6		90
Dew Point	3111593	49771	61.5	7.835	809			27.9	3.8			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MC
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 1500-1700
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
5 / 97										.1								1		1												6		6	
6 / 95									.2									6		6												15		15	
4 / 93								.4	.9	.1	.1	.2	.1					15		15												45		45	
2 / 91						.2	.1	1.0	1.1	1.5	1.1	.1	.4					45		45												66		66	
1 / 89					.1	.6	.7	2.1	2.2	1.7	.5	.1						66		66												57		57	
8 / 87					.1	.4	.5	1.2	2.6	1.1	.9	.1	.1					57		57												73		73	
6 / 85					.2	1.0	1.7	2.2	2.1	.5	.9	.4						73		73												95		95	
4 / 83					1.4	2.7	2.0	1.6	.9	1.6	1.2	.4						95		95												83		83	3
2 / 81				.1	1.4	1.5	2.1	.9	1.4	2.2	.6	.1						83		83	3											92		92	18
1 / 79			.1	1.0	1.5	2.7	.4	1.0	2.1	1.5	.7	.4						92		92	18											68		68	27
7 / 77		.1	.4	.6	1.4	.5	1.2	1.4	2.3	.1	.4							68		68	27											67		67	60
6 / 75		.2	1.0	1.6	1.1	.4	.7	2.0	.7	.5								67		67	60											50		50	140
4 / 73		.2	.4	2.0	.2	.5	.7	1.0	1.1									50		50	140											33		33	117
2 / 71		.5	1.2	.4	.4	.2	.7	.5	.1									33		33	117											25		25	87
1 / 69		.2	1.1	.5	.4	.1	.7											25		25	87											20		20	72
6 / 67		.6	1.2	.2			.4											20		20	72											11		11	75
6 / 65		.2	.7	.2	.1													11		11	75											2		2	83
4 / 63				.2														2		2	83											1		1	73
2 / 61				.1														1		1	73													24	44
1 / 59																					24											30		30	35
5 / 57																					30											1		1	46
5 / 55																					1														41
4 / 53																																			64
2 / 51																																			35
5 / 49																																			16
4 / 47																																			12
48 / 45																																			8
44 / 43																																			6
2 / 41																																			1
4 / 39																																			
TOTAL		2.2	6.2	7.0	8.3	10.9	12.1	15.2	17.8	11.0	6.4	2.0	.7		.1	.1		810		810												810		810	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2529219	43483	53.7	15.523	810	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	90
Dry Bulb	5370175	65723	81.1	6.803	810			88.4	79.8	55.1	2.4	90
Wet Bulb	3857546	55724	68.8	5.448	810			58.2	27.6	1.2		90
Dew Point	3139282	50020	61.8	7.892	810			29.0	4.6			90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 1800-2000
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
4 / 93														.1																			1	1		
5 / 91													.1																				1	1		
6 / 89							.1	.4		.1	.5	.3	.1								.1												13	13		
7 / 87						.1	.7	.7	.5	1.2	.1	.3																					27	27		
8 / 85					.1	.4	1.6	1.4	2.0	.5		.1																					47	47		
9 / 83			.1	.3	1.0	1.7	1.7	1.0	.7	.3																							52	52		
10 / 81			.3	1.2	2.5	2.5	2.2	2.1	.9	.4	.1																						93	93	2	
11 / 79			.1	2.0	2.0	2.9	.7	1.2	1.0	.7	.1																						61	61	7	2
12 / 77	.1	.9	1.3	2.7	.7	1.7	.9	1.2	.1	.1																							74	74	19	3
13 / 75	.5	1.0	2.8	1.2	1.8	1.6	2.6	.5	.4																								95	95	42	10
14 / 73	1.0	1.7	1.6	.9	1.2	3.0	.8	.7																									83	83	100	21
15 / 71	.3	2.8	.8	.5	1.6	1.3	.7																										60	60	103	65
16 / 69	.4	2.2	.9	.9	1.4	.9	.5																										56	56	83	66
17 / 67	.5	1.8	.4	.9	.8	.4																											37	37	92	64
18 / 65	.5	.9	.4	.9	.4																												24	24	66	102
19 / 63	.7	.3	.4	.4	.1																												14	14	82	58
20 / 61		.3	.3																														4	4	78	46
21 / 59		.1																															1	1	43	62
22 / 57																																			34	43
23 / 55																																			11	50
24 / 53																																			1	56
25 / 51																																				44
26 / 49																																				20
27 / 47																																				16
28 / 45																																				8
29 / 43																																				4
30 / 41																																				1
TOTAL	4.1	12.6	12.3	14.5	17.7	15.9	13.0	6.9	2.1	.8	.1																						763	763	763	
																																			763	763

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3119112	47510	62.3	14.526	763	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$
Dry Bulb	4523639	58555	76.7	6.269	763			84.9	66.9	32.2	.1
Wet Bulb	3508357	51565	67.6	5.553	763			52.8	20.1	.6	
Dew Point	2994938	47462	62.2	7.476	763			29.8	4.5		

724457 FT LEONARD WOOD MC
STATION STATION NAME

YEARS

JUN
1964

PAGE 1 2100-2300
HOURS 11:55 PM

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 61			.2	.7	1.4	.2	.2	.2										13	13																	
/ 79			1.4	1.6	1.2	.9	.7											25	25																	
7 / 77			1.4	2.3	1.9	1.4	1.9											40	40		1															
6 / 75			4.4	4.4	3.5	.7	.5											58	58		11	1														
4 / 73		.7	5.1	3.2	.9	2.1	1.2	.2										58	58		27	12														
/ 71		2.3	3.9	1.9	1.6	2.3	.5											56	58		47	25														
/ 69			2.1	.9	3.2	2.6	.7	.2										42	42		70	45														
/ 67		2.8	4.6	1.6	2.6	1.6												57	57		49	51														
6 / 65		.2	.9	2.6	1.9	.5												26	26		40	55														
4 / 63	.2	1.2	1.2	3.0	1.2	.2												30	30		49	33														
/ 61		1.9	.2	.9	.9													17	17		47	28														
/ 59			.7	.5														5	5		41	35														
/ 57		.5																2	2		26	41														
5 / 55																					18	35														
4 / 53																					5	24														
2 / 51																						19														
5 / 49																						20														
4 / 47																						4														
4 / 45																						3														
TAL		.17.02	.224.120.213.0	.5.6	.7														431	431		431														
																		431			431															

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2351644	31410	72.912	5.363	431	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2206961	30755	71.4	5.363	431			73.3	40.5	5.4		90
Wet Bulb	1862730	28238	65.5	5.424	431			42.8	8.1			90
Dew Point	1672884	26692	61.9	6.792	431			28.0	2.7			98

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1

ALL
HOURS

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B. W.B.	TOTAL Dry Bulb Wet Bulb Dew Point
97										.0								2	2
95									.1	.0		.0	.0			.0	.0	8	8
93								.1	.3	.0	.0	.1	.0			.0	.0	31	31
91						.1	.1	.4	.3	.5	.3	.1	.1					85	85
89					.1	.2	.3	.9	.7	.6	.3	.1						152	152
87					.1	.4	.5	.8	1.0	.4	.2	.0	.0					169	169
85				.0	.2	.9	1.3	1.2	.3	.3	.3	.1						250	250
83			.0	.1	.5	1.4	1.2	.9	.5	.4	.3	.1						290	290
81		.1	.4	1.4	1.4	1.2	.8	.9	.9	.2	.0							358	358
79		.3	1.0	1.7	1.6	.6	.8	.9	.8	.2	.1							391	391
77	.1	.7	1.4	1.7	.8	1.2	1.1	.9	.1	.1	.0							400	400
75	.3	1.5	2.2	1.5	1.1	1.0	1.4	.4	.2	.0								476	476
73	.6	2.0	2.1	1.5	1.0	1.2	.6	.5	.1									449	450
71	.9	2.9	1.4	.7	.9	.3	.5	.1	.0									404	404
69	1.0	2.9	.8	1.1	1.0	.7	.3											385	385
67	1.8	2.4	.9	1.2	.5	.3	.0											347	347
65	1.0	1.4	1.1	.9	.3	.1	.0											236	237
63	.9	.9	1.2	.5	.2													191	181
61	.8	.5	.9	.2	.0	.0												119	119
59	.6	.6	.4	.1	.1													83	83
57	.6	.4	.1															56	56
55	.3	.2	.0															25	25
53	.3	.2	.0															24	24
51	.1	.1																10	10
49	.0	.0																2	2
47																			
45																			
43																			
41																			
39																			
37																			
1st	.1	9.1	17.1	13.8	13.3	11.4	10.4	9.6	7.5	4.3	2.0	.7	.1		.1	.0		4935	4933
																		4933	4933

Element (X)	Z _X ¹	Z _X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	22064008	319300	64.7	16.827	4933	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	28202717	370819	75.1	8.291	4935			612.5	446.7	226.0	6.0	720
Wet Bulb	22020428	328244	66.5	6.023	4933			375.5	131.7	3.2		720
Dew Point	18915903	303299	61.5	7.371	4933			213.1	25.4			720

PSYCHROMETRIC SUMMARY

YEARS

JUL
MON 7

PAGE 1 0000-0200
HOURS 11.5.1.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
47 43						1.2												2	2																
47 41				.6	.6													2	2																
47 39				1.3	2.4													7	7																
7 47 77			4.1	3.5		.6												14	14																
47 75			4.1	4.7	4.7	1.2												26	26	1	2														
47 73		3.5	1.6	8.8	1.2	.6												42	42	15	2														
47 71		5.3	3.5	6.5	.6	.6	.6											29	29	35	13														
47 69		3.5	4.1	1.2	3.5	.6												22	22	32	35														
47 67		.6	2.9	.6	1.8	1.2	.6											13	13	32	27														
47 65			1.2		1.2		.6											5	5	20	25														
47 63				.6		.6												2	2	13	17														
47 61			.6	.6														2	2	4	17														
47 59			1.2															2	2	6	4														
47 57			1.2															2	2	6	9														
47 55																				4	1														
47 53																					7														
47 51																					6														
47 49																					1														
47 43																					3														
TOTAL	12.9	33.5	28.8	15.9	7.1	1.3												170	170	170	170														

Element (X)	Σx'	Σx	R	σ _a	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1020911	13795	76.8	10.424	170	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	895363	12315	72.4	4.385	170			85.9	50.9	3.8		93
Wet Bulb	778613	11477	67.5	4.730	170			62.9	8.8			93
Dew Point	715588	10962	64.6	6.033	170			43.8	1.1			93

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

PSYCHROMETRIC SUMMARY

YEARS

JUL
 MON

PAGE 1 0300-0500
HOURS 5:01

[illegible]

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10-457 STATION 61 LEONARD WOOD MD
STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 0600-0800
HOURS

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 89																		.2		.1													3	3		
2 87																.1	.6																6	6		
3 80										.6	.7	.2	.2	.1																			15	15		
4 80						.1	.2		.8	1.0	.1	.4																					22	22		
5 81					.4	2.3	2.3	.7	.1																								53	53		
6 79				.2	2.2	2.4	2.1	.4	.6																								69	69		
7 77			.2	2.3	4.1	2.4	1.6	.2																									88	88	1	
8 75		1.3	3.4	3.6	3.3	.8	.2	.2																									104	104	25	
9 72		1.1	5.9	5.1	1.7	.2	.1																										112	112	138	17
10 71	.1	3.4	6.2	3.3	.6		.2																										114	114	138	69
11 69		3.3	4.4	1.9	.6	.1																											89	89	162	129
12 67		3.4	1.9	.6	.6	.1	.1																										57	57	154	169
13 65	.4	1.7	2.3	.7	.4		.2																										47	47	94	169
14 63		.8	.5	1.5	.4																												26	26	42	83
15 61		.4	.2	.5		.1																											10	10	38	71
16 59		.1	.6	.1																													7	7	21	41
17 57			.1																														1	1	16	25
18 55			.2																														2	2	12	16
19 53																																			3	16
20 51																																			1	11
21 49																																				6
22 47																																				2
23 45																																				1
24 43																																				1
TOTAL		.15	.62	.31	.24	.21	.56	8.8	3.9	1.5	1.5	.1	.1																				825	825	825	825

Element (F)	Σ x²	Σ x	̄x	s²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum	469243	62649	75.911	648	825	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	462324	62764	73.7	5739	825			82.5	53.2	14.3		93
Wet Bulb	385737	56295	68.2	4361	825			67.4	15.1			93
Dew Point	353886	53482	65.3	4895	825			43.3	1.9			93

USAFETAC FORM 0-26-5 (OLA) JUL 54 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (F)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum	469243	52649	75.911	648	825	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F
Dry Bulb	402324	60764	73.7	5730	825			82.5	53.2	14.3	93
Wet Bulb	385737	56295	68.2	4361	825			67.4	15.1		93
Dew Point	353886	53782	65.3	4895	825			43.3	1.9		93

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS 0900-1100

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
1955

PAGE 1 1200-1400
HOURS S. T.

[illegible]

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

PSYCHROMETRIC SUMMARY

73-81

YEARS

JUL
MONTH

PAGE 2 1200-1400
HOURS P. M.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

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

[illegible]

124457 STATION FT LEONARD WOOD MO STATION NAME

73-91

YEARS

JUL
MONTH

PAGE 2 1520-1720
HOURS

Temp. (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point			
REL	.	1.3	3.5	4.4	6.4	7.6	9.7	13.7	14.5	12.0	6.9	7.3	4.2	2.8	1.5	1.2	2.7																	827.	828	827
																																			827.	827

PSYCHROMETRIC SUMMARY

73-31

YEARS

JUL
MONTH

PAGE 1 1800-2000
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
107/105																													.1	1	1				
107/103																													.1	6	6				
102/101																									.4	.2			.1	2	2				
100/99																									.1				.1	2	2				
97/97																			.1	.5	.2								.2	9	9				
96/95																		.2	.2	.5										10	10				
94/93														.4	.1	.9	.1	.1	.1	1.0					.1					13	13				
91/91													.5	.4	1.6	.5			.1	.1	.1			.2						17	17				
89/89																							.1	.1						26	26				
87/87													1.5	1.7	2.2	.9	1.1	.1	.2											63	63				
85/85							.1	.6	2.6	2.1	1.6	.4	.1	.4	.1															65	65				
83/83							1.0	4.1	1.6	2.5	1.2				.6															89	89				
81/81						.9	2.0	1.5	3.0	1.9	.5	.5	.4																	85	85				
79/79			.1	1.7	3.4	2.2	2.0	1.0	1.0	.5																				96	96				
77/77			1.7	3.1	3.4	3.0	1.0	.4	.5																					99	99	2			
75/75			1.9	2.1	3.1	1.5	.7	.2	.4	.1							.1													81	81	65			
73/73		.6	1.9	1.7	1.1	.6	.7	.2	.1	.1																				58	58	135			
71/71		.1	1.6	.6	.2	.4	.4	.1																						28	28	181			
69/69		.4	1.5	.4	.5	.2	.4	.1																						28	28	145			
67/67	.1	.5	.2	.1	.2	.1																								11	12	110			
65/65				.5																										13	13	70			
63/63																														4	4	45			
61/61																																22			
59/59																															17				
57/57																															8				
55/55																															4				
53/53																																			
51/51																																			
49/49																																			
47/47																																			
45/45																																			
43/43																																			
TOTAL	.1	2.2	2.5	11.6	15.3	14.3	13.9	10.6	8.3	4.1	4.5	2.0	1.6	.6	.9	.5	.6													805	804				
Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature											Total																		
Rel. Hum.	3064114	47982	59.7	16.001	804	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb	5517525	66413	82.5	6.912	805			92.5	86.4	61.7	6.7																								
Wet Bulb	4130501	57535	71.6	4.373	804			81.9	44.3	.1																									
Dew Point	3531658	53068	66.0	6.003	804			50.3	10.3																										

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

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS S. T.

Temp. (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point		
67/87															.2	.4																	3	3			
67/85								.2	.4	.2					.7																		7	7			
67/83					.4	.7	2.9	.2																									19	19			
67/81					3.4	2.7	3.4	1.6							.2																		47	47			
67/79				1.1	3.4	5.2	3.6	1.1	1.1	.2																							70	70			
67/77				2.0	4.7	5.6	3.1	1.1	.9																								78	78	3		
67/75		.4	6.1	5.4	5.4	1.8	.7	.9																									92	92	33	3	
67/73		1.8	2.7	3.4	1.6	.7	.7																										48	48	77	23	
67/71		1.6	2.0	1.8	.7	.9																											31	31	85	52	
67/69		.4	1.8	1.1	.7	1.3																											24	24	100	77	
67/67		.7	.7	.4	.4	.7																											13	13	55	71	
67/65		.7		.9	.2	.2																											9	9	40	61	
67/63			.2	.2	.2																												3	3	19	45	
67/61			.4																														2	2	15	27	
67/59																																				12	16
67/57																																				2	15
67/55																																				5	15
67/53																																					10
67/51																																					6
67/49																																					2
67/45																																					3
TAL	5.6	17.0	25.1	22.0	17.5	7.2	3.8	.9																									446	446	446	446	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2280275	31481	70.6	11.4	446	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93
Dry Bulb	2604655	34023	76.3	4.5	446			90.1	75.9	22.9		93
Wet Bulb	2157748	30966	69.4	4.1	446			73.6	23.6			93
Dew Point	1940433	29319	65.7	5.4	446			47.1	5.4			93

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL

HOURS - 4, 5, 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 109																																.0	2	2		
1 / 107																																.2	10	10		
1 / 105																																.4	27	27		
1 / 103																									.0	.0	.2	.1			.1	25	25			
2 / 101																								.1	.4	.2	.1			.1	38	38				
1 / 99																							.2	.4	.2	.0	.0			.0	40	40				
6 / 97																		.2	.3	.5	.1	.1	.1								59	59				
6 / 95														.0	.1	.6	.7	1.0	.3	.1	.1	.2									77	77				
4 / 93													.0	.1	1.0	1.1	1.7	.6	.3	.2	.1										162	162				
1 / 91								.0	.1	1.0	1.1	1.7	.6	.3	.2	.1																258	258			
7 / 89							.0	.1	1.2	2.0	1.7	.7	.7	.4	.1	.0																355	355			
8 / 87							.1	.4	2.2	1.8	1.3	.7	.2	.4	.1																	360	360			
6 / 85							.4	2.4	1.7	1.7	1.0	.3	.3	.1																		400	400			
4 / 83						.3	1.5	2.1	1.4	.9	.7	.3	.2																			381	381			
1 / 81		.0	.0	.9	2.3	1.7	1.3	.6	.4	.3	.1																					383	383	4		
1 / 79		.0	.4	1.8	2.5	1.8	.7	.5	.2	.2	.0																					419	419	43		
7 / 77		.1	1.2	2.3	1.6	1.2	.4	.2	.3	.1	.1																					385	385	349		
16 / 75		.4	2.3	2.2	1.8	.6	.2	.2	.2	.1	.0																					407	407	727		
14 / 73		.7	3.0	2.2	.7	.3	.2	.1	.0																							359	359	944		
1 / 71	.0	1.2	2.4	1.6	.3	.1	.3	.0	.0																							300	301	623		
7 / 69	.0	1.6	1.9	.7	.4	.2	.0	.0																								248	249	719		
6 / 67	.1	1.2	.9	.4	.3	.1	.1																									158	158	616		
6 / 65	.1	.7	.7	.4	.2	.0	.1																									109	109	357		
4 / 63	.0	.3	.2	.3	.2	.0																										52	52	165		
1 / 61		.2	.1	.1	.0	.1																										25	25	139		
1 / 59		.0	.2	.0																												13	13	90		
5 / 57			.1																													7	7	52		
5 / 55			.1																													5	5	32		
4 / 53			.0																													1	1	9		
2 / 51																																		6		
5 / 49																																				
4 / 47																																				
4 / 45																																				
4 / 43																											</									

PSYCHROMETRIC SUMMARY

YEARS

JUL
MON.

PAGE 2

ALL

ALL
NO: 15

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
1957

PAGE 1 0000-0200
HOURS 1.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 81																																		1	1		
1 / 79									1.1	.5	.5																						4	4			
7 / 77						1.1	3.																										9	9			
6 / 75					2.2	2.7																											9	9			
4 / 73				4.8	5.4	2.2	.5																										25	25	5		
1 / 71				5.9	11.5	2.7	.5																										39	39	24	7	
1 / 69				7.5	8.6	3.2	2.2																										40	40	37	24	
5 / 67	.5			9.1	2.7	3.2	1.1																										31	31	45	46	
6 / 65				4.8	2.7	.5																											15	15	20	36	
4 / 63				1.1	2.2																												6	6	18	30	
1 / 61				.5	.5	.5																											3	3	17	10	
1 / 59					1.6																												3	3	6	10	
1 / 57																																				3	14
1 / 55				.5																														1	1	2	6
4 / 53																																					1
2 / 51																																					
TOTAL				.034	.437	.616	.1	9.7	.5	1.1																								186	186	186	186

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1293494	15414	82.9	9.335	186	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	920627	13063	70.2	4.157	186			79.0	24.0	1.5		93
Wet Bulb	129941	12405	66.7	3.754	186			35.5	2.5			93
Dew Point	782238	12036	64.7	4.282	186			38.5				93

PSYCHROMETRIC SUMMARY

YEARS

AUG
MIN

PAGE 1 0300-0500
HOURS 0500-0600

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
7 / 77							.9	.9	.3																								7	7				
2 / 75				.3	.6	1.8	1.5																										14	14	1			
4 / 77				3.2	2.6	4.7	.3																										37	37	4	1		
1 / 71				6.8	6.2	1.8																											50	50	23	12		
1 / 69				7.6	9.1	1.5	.6																										54	54	53	31		
1 / 67		.3	7.4	4.1	2.5																												49	49	65	42		
6 / 65		.3	7.9	3.8	1.5	.9																											49	50	43	79		
4 / 63			2.4	2.9	1.2																												22	22	37	50		
1 / 61			2.9	1.8	1.2																												20	20	30	32		
1 / 59			1.5	1.2	.3	.3																											11	11	27	23		
1 / 57			1.2	1.5																													9	9	12	30		
5 / 55			.6	.9	.3																												6	6	10	9		
4 / 53			.6																														2	2	6	13		
2 / 51																																				5	13	
5 / 49																																					1	2
1 / 47																																					1	1
4 / 43																																					2	2
T			.42	.43	.71	.6	.4	.3																										340	341	340	340	

Element (X)	Σx^2	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2451096	28728	84.5	8.370	340	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1581864	23166	67.9	4.872	341			60.3	15.8			93
Wet Bulb	1439213	22061	64.9	4.790	340			39.9	1.4			93
Dew Point	1361966	21442	63.1	5.358	340			23.5	.3			93

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

PSYCHROMETRIC SUMMARY

YEARS

2000

[illegible]

PSYCHROMETRIC SUMMARY

AUG
1954

PAGE 1 0900-1100

[illegible]

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

AL-116 091 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC
APR 82

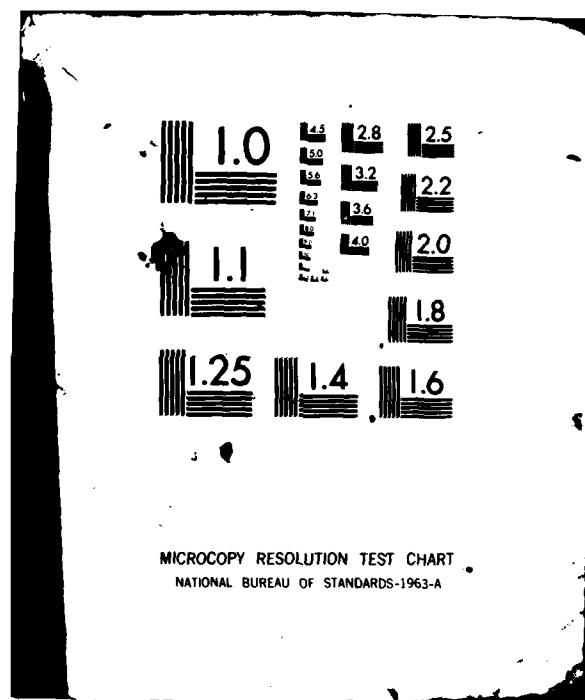
DECLASSIFIED USAF/TAC/DS-82/023

SBI-AD-E850 170

NL

5-5

END
DATE
FILMED
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PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 1200-1400
HOURS: L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1+ / 105																	.2	2	2																
2 / 101																	.1	6	6																
3 0 / 99														.1	.5	.1		6	6																
4 6 / 97												.4	1.3	.2	.2	.1		19	19																
5 6 / 95										.8	1.6	.7	.1					27	27																
6 4 / 93								.6	1.6	.8	1.0	.6	.1					39	39																
7 2 / 91						.4	.1	1.4	2.2	1.0	1.0	.4						53	53																
8 0 / 89					.7	4.0	2.9	2.0	1.1	1.1								98	98																
8 6 / 87				.4	2.3	2.8	1.3	1.1	1.2	1.1								84	84																
9 6 / 85			.2	1.4	3.8	2.0	.7	1.1	1.6	.7	.1							98	98																
10 4 / 83		.1	.1	1.3	1.7	3.2	1.7	1.7	1.0	.7	.4	.4						102	102																
11 2 / 81		.1	.5	.7	2.0	1.9	1.6	.7	1.1	.5		.2						78	78																
12 0 / 79		.1	.8	1.4	1.8	.8	1.4	1.1	1.0	.2								73	73	4															
13 0 / 77		.5	.1	.7	.8	1.0	1.7	.4	.7									49	49	35	1														
14 6 / 75	.4	.4	.1	.7	1.4	.6	.6	.1										36	36	151	6														
15 4 / 73	.2	.2	1.0	.6	.2	.6	.4											27	27	152	23														
16 2 / 71	.4	.5	.2	.2	.4	.5	.1											19	19	122	66														
17 0 / 69	.5	.4		.2	.1													10	10	113	101														
18 0 / 67	.5			.1														5	5	93	123														
19 6 / 65	.1																	1	1	67	107														
20 4 / 63																				44	71														
21 0 / 61		.1	.1															2	2	38	64														
22 0 / 59		.1																1	1	13	67														
23 0 / 57																				3	42														
24 0 / 55																					47														
25 4 / 53																					54														
26 2 / 51																					28														
27 0 / 49																					18														
28 0 / 47																					7														
29 6 / 45																					4														
30 4 / 43																					1														
31 2 / 39																					5														
TAL	2.0	2.5	3.0	6.3	10.3	15.8	16.3	10.9	11.6	7.9	7.1	3.8	1.1	.7	.2	.4		835	835		835														
Element (X)	Σ X ²	Σ X	X	σ _s	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	2303978	42106	50.4	14.721	835	≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	6017481	70653	84.6	6.858	835			92.6	88.8	72.6	11.0	93																							
Wet Bulb	4175253	58923	70.6	4.550	835			74.6	38.1	.1		93																							
Dew Point	3363799	52693	63.1	6.802	835			35.6	3.3			93																							

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

PSYCHROMETRIC SUMMARY

YEARS

 AUG
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
100																	.1	1	1																
99																	.1	2	2																
98																	.1	.2	.1	4	4														
97														1.3	.4				14	14															
96											.5	.8	.4			.1	.1	.1	17	17															
95									.1	.7	1.2	1.1	.5						30	30															
94								.5	1.1	1.3	.8	.8	.6						43	43															
93							.1	.5	1.8	2.5	1.3	1.0	.5	.1					65	65															
92						.1	.6	2.9	2.0	1.0	1.2	1.0	.5	.1					78	78															
91					.7	1.7	3.1	2.2	1.1	1.3	1.7			.1					99	99															
90					1.3	2.2	1.2	1.7	1.1	1.8	.6	.4							88	88															
89					1.0	2.4	2.5	1.8	1.2	.6	.6	.4	.1						88	88															
88			.1	.6	.6	2.2	2.9	1.2	.6	.8	.6	.1	.4						84	84															
87			.4	1.2	1.2	1.2	1.3	1.9	1.0	.1	.8	.1							75	75															
86		.2	.2	.5	1.0	1.9	.7	.7	.2										52	52															
85		.4	.5	.5	.8	.4	.4	.7	.4										33	33															
84		.4	1.0	.2	.4	.2	1.2												28	28															
83		.1	.5	.6	.6	.2	.2												19	19															
82		.2	.7	.2															19	19															
81	.1	.4																	10	10															
80																			4	4															
79																																			
78																																			
77																																			
76																																			
75																																			
74																																			
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44																																			
43																																			
42																																			
41																																			
40																																			
39																																			
38																																			
37																																			
Element (X)	Σ X ²	Σ X	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ														
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 2 1500-1700
HOURS L. S.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.1	1.7	3.3	4.2	5.3	10.6	13.7	14.0	11.9	8.6	9.7	7.3	4.5	3.5	.7	.4	.5		837		837	

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO

73-81

YEARS

AUG
MONTH

PAGE 1 1800-2000
HOURS (L, S, T, I)

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														
100/ 99																	.1	1	1																
96/ 97														.1	.1			3	3																
96/ 95											.1	.4	.2	.2				8	8																
94/ 93										.1	.5	.1						6	6																
90/ 91									.4	.4	.5	.2	.1	.1				14	14																
86/ 89							.1	.6	1.2	.7	.7	.1		.1				30	30																
81/ 87					.1	.8	1.1	1.6	1.0	1.0	.5	.2						44	44																
76/ 85				.1	.2	2.0	2.0	1.2	1.0	.5								59	59																
74/ 83			.2	1.8	1.3	1.6	1.7	1.1	.5	.5			.1					73	73																
70/ 81		.5	3.4	2.3	2.3	1.4	.7	.2	.1			.1						92	92																
67/ 79	.2	2.2	2.0	3.2	1.7	1.0	.8	.5	.1									98	98	2															
70/ 77	.1	1.1	2.2	2.0	1.6	1.7	.5	.4	.1	.5								84	84	8	2														
76/ 75	.6	2.3	2.9	2.8	1.6	1.0	1.7	.4	.1									110	110	69	3														
74/ 73	1.1	1.1	1.8	1.6	1.1	1.3	.5		.4									73	73	146	19														
72/ 71	.8	1.2	1.1	1.7	1.0	1.1	.5	.1										62	62	135	84														
70/ 69	1.2	1.3	.7	.5	.5	.5												39	39	130	111														
67/ 67	1.1	1.2	.2	.5	.1													26	26	111	100														
66/ 65	.5		.4	.2														9	9	87	102														
64/ 63			.1															1	1	58	89														
62/ 61		.2																2	2	46	82														
60/ 59																				26	66														
58/ 57																				13	43														
56/ 55																				3	42														
54/ 53																					39														
52/ 51																					18														
50/ 49																					13														
48/ 47																					8														
46/ 45																					3														
44/ 43																					2														
42/ 41																					4														
40/ 39																					3														
38/ 37																					1														
TOTAL	5.4	8.4	12.6	16.8	14.6	14.0	10.2	7.6	4.4	3.5	1.1	.7	.6			.2			834	834	834														
Element (X)	Σx ²	Σx	Σ	°	No. Obs.				Mean No. of Hours with Temperature																										
Rel. Hum.	3326691	50975	61.1	15.9	17	834			± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																				
Dry Bulb	5232440	65842	78.9	6.4	26	834					91.7	77.5	42.5	2.0	93																				
Wet Bulb	3989132	57552	69.0	4.6	00	834					67.0	25.1	.1		93																				
Dew Point	3397093	52941	63.5	6.6	18	834					35.6	2.7			93																				

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

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
6/ 87									.2									1	1																
6/ 85							.2	.7	.2									5	5																
4/ 83					.2	.7	.9	.2										9	9																
4/ 81			.2	.4	.4	2.0	1.1	.2										20	20																
7/ 79		.2		1.7	3.1	2.6	.4	.2										38	38																
7/ 77			1.3	2.2	3.1	1.3	.9											40	40	2	1														
6/ 75		.9	5.2	4.6	1.5	2.0	.9											69	69	4	1														
4/ 73		2.8	3.7	4.4	2.4	1.7	.4											71	71	47	6														
7/ 71		3.1	4.6	2.4	3.1	1.7	.2	.2	.4	.2								73	73	93	33														
7/ 69		2.8	2.8	2.6	1.7	2.4	1.1	.2	.2									64	64	68	69														
6/ 67		2.4	2.4	.7	1.1	1.1	.4	.2										38	38	69	82														
6/ 65		2.0	.9	.9	1.3	.2												24	24	57	64														
4/ 63			.2	.4	.2													4	4	46	47														
2/ 61				.2														1	1	27	35														
7/ 59		.2																1	1	18	39														
5/ 57																				19	20														
5/ 55																				8	19														
4/ 53																					10														
2/ 51																					16														
5/ 49																					7														
4/ 47																					3														
4/ 45																					1														
4/ 43																					1														
4/ 41																					3														
4/ 39																					1														
TOTAL	14.2	21.6	20.5	18.1	15.7	6.6	2.0	1.1	.2									458	458	458															
		</																																	

724457 FT LEONARD WOOD MO
STATION STATION NAME

724457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

 AUG
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

ALL

HOURS (L. S. T.)

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 0000-0200
MOUSE (1 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														
6 / 75			.6	1.7														4	4																
4 / 73		3.9	1.7	3.4														16	16	3															
2 / 71		6.7	3.9	2.2														23	23	12	5														
7 / 69		3.4	.6															7	7	17	19														
6 / 67		7.3	1.7	1.1	1.7													21	21	21	12														
6 / 65		10.1	2.8	1.7														26	26	18	18														
4 / 63		7.3		1.7														16	16	17	23														
6 / 61		3.9	1.7	1.1														12	12	21	20														
1 / 59		2.2	.6															5	5	10	9														
5 / 57		2.2	1.1															6	6	12	13														
5 / 55		3.4	3.4															12	12	6	12														
4 / 53		2.2		1.1														6	6	7	6														
2 / 51		2.8	1.7															8	8	10	7														
5 / 49		5.0	.6															10	10	7	11														
1 / 47		3.9																7	7	10	7														
4 / 45																				8	9														
4 / 43																					6														
2 / 41																					2														
TOTAL		64.220	114.0	1.7														179	179	179	179														
												</																							

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

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

HOURS 11.5. T. 1

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

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

SEP
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4 / 33					.1	.3	.1											3	3					
5 / 31					.1		.3			.1								4	4					
6 / 29				.1	.5	.4												8	8					
7 / 27			.3	.6	.4	.3	.3											14	14					
8 / 25		.3	.4	1.4	1.0	.1												25	25					
9 / 23		.9	.9	2.1	.3	.3												35	35	14	2			
10 / 21		2.5	3.0	1.5	.1													57	57	21	12			
11 / 19		1.8	3.9	1.0	.9	.1												61	61	61	26			
12 / 17	.4	3.0	2.4	1.6	.9	.3		.1										69	69	70	56			
13 / 15		3.3	2.0	2.0	.5	.1												63	63	68	81			
14 / 13		3.8	1.8	1.5	.8	.3												64	64	53	57			
15 / 11	.1	3.3	2.8	1.6	.9	.3	.1											72	72	64	49			
16 / 9	.3	2.6	4.4	1.9	.5		.1											78	78	67	55			
17 / 7		2.0	1.6	1.9	.4	.1												48	48	67	60			
18 / 5		3.5	2.0	1.4	.6													60	60	61	62			
19 / 3		.5	2.3	1.1	.3													33	33	66	64			
20 / 1		1.1	2.4	.8														34	34	45	50			
21 / -1		1.5	1.3	.5	.3													28	28	43	33			
22 / -3		1.4	.9	.1														19	19	44	55			
23 / -5		.6	.8	.1														12	12	23	51			
24 / -7		.8	.4															9	9	14	27			
25 / -9		.1	.1															2	2	13	20			
26 / -11																				4	22			
27 / -13																					9			
28 / -15																					4			
29 / -17																					3			
TOTAL	.8	32.8	33.3	21.3	8.3	2.4	.9	.1		.1								798	798	798	798			

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

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

[illegible]

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

PSYCHROMETRIC SUMMARY

73-81

YEARS

SEP
MONTH

PAGE 2 0900-1100
HOURS S. T.

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

SEP
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
97																																		3	3		
95																		.4	.1	.1	.1											6	6				
93																	.2	.5	.5													10	10				
91																.7	.5	1.4	.4	.5												28	28				
89													.2	.6	1.4	1.4	1.0															37	37				
87								.2	.1	.5	2.1	.5	.1	.1				.1											.1			31	31				
85							.1	.9	.6	2.2	.7	.9	.1	.1	.1	.2																49	49				
83							.5	1.2	1.9	1.1	1.1	2.0	.5		.1																	68	68				
81			.1	.1	.7	1.6	.9	.4	2.5	1.1	.1	.1	.2																			64	64				
79		.2	.5	1.1	1.9	.7	2.1	1.4	1.0	.4			.1																			76	76	4			
77		.2	.6	1.2	1.7	1.7	1.2	1.1	.4	.4	.1	.1																				66	66	15	1		
75		.6	.9	.7	1.1	1.5	.9	1.0	.5	.1																						59	59	32	3		
73		.4	.9	1.0	.2	1.2	1.1	.9	1.1	.4	.1	.1																				60	60	88	8		
71		.1	1.2	.4	.5	.6	1.4	1.0	.6	.2	.1																					50	50	92	31		
69		.5	.2	.4	.7	.5	.4	.9	.6	.1																						35	35	72	47		
67		.7	.7	.2	.4	.4	.7	.9	.2																							35	35	68	59		
65		.4	.7	.5	.5	1.0	.9	1.4	.1																							44	44	87	95		
63		.5	.6	.9	1.4	.6	1.2	.2																								44	44	66	64		
61		.5				.5	.4	.1																									16	16	57	40	
59	.4	.4	.2	.2	.1	.4	.1																										15	16	58	65	
57		.5	.2	.1	.2																												9	9	53	66	
55		.1	.2																														3	3	47	58	
53																																				31	44
51																																				28	42
49																																				9	40
47																																				1	20
45																																					29
43																																					24
41																																					29
39																																					20
37																																					15
35																																					2
33																																					3
31																																					1
Element (X)	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X		
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

1200-5141
HOURS: 11:30 A.M. - 5:30 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

SEP
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	.4	4.3	6.1	7.8	9.1	12.5	13.9	11.7	13.8	9.6	6.1	2.7	1.1	.6	.2			805			805		805												

Element (X)	Σx^2	Σx	Σ	σ_s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2557476	43176	53.6	17.340	805	$\leq 0^\circ F$	$\leq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	4809530	61824	76.8	8.742	805			77.6	61.7	36.2	2.8	90
Wet Bulb	3438182	52318	65.0	6.872	805			42.3	12.7			90
Dew Point	2722497	46179	57.4	9.557	805		.4	16.3	1.0			90

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

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1800-2000
MOJIBS (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 / 95								.1	.2	.2	.1							1	1																
67 / 89									.2	.5								6	6																
87 / 87						.1		.2	.5									7	7																
67 / 85						.1	.4	.9	.2	.4								16	16																
47 / 83					.2	.1	1.0	.1	.1	.1				.1				15	15																
77 / 81				.1	.4	1.5	.9	.7	.1					.1				31	31																
7 / 79			.1	.2	1.1	1.5	.7	1.4	.4	.1								45	45																
7 / 77		.5	.2	2.6	.9	1.2	.4	.4	.1	.4								54	54	4															
67 / 75		.1	1.6	2.5	2.5	1.5	1.2	.6	.1	.1	.1							84	84	7															
74 / 73		.4	1.5	4.2	1.0	2.4	1.0	.6			.1							90	90	30	6														
7 / 71		1.4	1.6	1.5	1.4	2.1	.9	.1	.2		.1							75	75	72	16														
77 / 69		1.9	1.5	.7	1.9	1.6	.5	.5	.2	.1								72	72	88	37														
67 / 67		1.1	2.4	.9	1.0	.9	.6	.2	.5									61	61	98	75														
67 / 65		1.1	1.0	1.4	1.2	1.0	.4	.2	.2									53	53	72	99														
47 / 63		.6	.7	1.1	1.1	.7	.5	.1	.1									41	41	84	61														
77 / 61		.9	1.1	1.0	1.5	1.0	.4	.2										49	49	67	53														
7 / 59	.4	1.1	.9	1.5	1.1	.9												47	47	60	69														
7 / 57		.5	.4	.9	.6	.6												24	24	49	72														
5 / 55		.5	.2	.6	.7	.1												18	18	53	53														
47 / 53		.5	.2	.1														7	7	43	45														
27 / 51			.4	.1	.2													6	6	32	42														
5 / 49																				29	48														
4 / 47																				11	23														
47 / 45																				2	31														
47 / 43																				1	12														
42 / 41																					28														
47 / 39																					13														
3 / 37																					7														
37 / 35																					3														
37 / 33																					5														
27 / 31																					3														
7 / 29																					1														
TOTAL	.4	10.1	14.2	17.2	18.7	17.1	9.9	6.7	3.5	1.1	.9			.2				802	802		802														
Element (X)	ΣX ²	ΣX	X	X ²	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	3666892	52788	65.8	15.497	802	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	4035605	56539	70.5	7.881	802			62.5	39.2	11.1	.1	90																							
Wet Bulb	3212130	50448	62.9	6.958	802			33.6	4.6			90																							
Dew Point	2740565	46339	57.8	8.878	802		.4	15.0	.7			90																							

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

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 2100-2300

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/ 91				.2														1	1																
1/ 79			.2	.7	.7	.9												11	11																
7/ 77				.2	.9	.5					.2							8	8																
76/ 75			.9	2.0	1.1	.5				.2								21	21	3															
4/ 73		2.3	2.0	3.6	.9	.9		.2	.2									45	45	6	3														
1/ 71		2.3	3.4	1.4	1.8	1.1	.2	.2										46	46	21	7														
1/ 69		3.6	3.2	1.1	2.0	.2	.5	.2			.2							48	48	48	22														
6/ 67	.2	3.2	2.0	.7	2.0	.9	.2	.2										42	42	42	41														
66/ 65		3.6	2.9	3.2	.7	.2	.2	.5										50	50	43	45														
4/ 63		1.8	1.1	1.6	.9	.2	.2											26	26	51	41														
2/ 61		2.0	1.4	1.6	.9	.2	.2	.2										29	29	25	36														
1/ 59	.5	1.4	.7	2.0	.7	.2	.7											27	27	47	19														
1/ 57		2.3	2.0	1.1	.2	.2	.5											28	28	24	43														
5/ 55		.5	2.5	.9	.2													18	18	31	32														
4/ 53		1.6	1.1	2.0														21	21	29	22														
2/ 51		.7	1.8	.7														14	14	30	26														
5/ 49		.5	.7	.2														6	6	13	23														
4/ 47																				21	23														
4/ 45																				6	22														
4/ 43																				1	4														
2/ 41																					19														
4/ 39																					6														
1/ 35																					1														
3/ 33																					1														
2/ 31																					5														
TOTAL		.725	.626	.123	.413	.2	6.1	2.0	2.0	.5	.2	.2						441	441	441	441														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

SEP
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
97																			.1	.0												5		5		
95																		.1	.0	.2	.2	.1										13		13		
93																	.1	.0	.2	.2	.1											29		29		
91															.1	.2	.4	.2	.1													49		49		
89													.1	.3	.5	.4	.3	.0														80		80		
87							.1	.1	.2	.3	.7	.2	.1	.0				.0	.1								.0	.1				93		93		
85						.0	.4	.4	.9	.5	.4	.1	.0	.1	.1												.1	.1				142		142		
83				.0	.2	.7	1.1	.6	.4	.6	.1	.0	.1	.1													.1	.1	.0			189		189		
81			.0	.2	.5	1.0	.7	.3	.8	.5	.2	.1	.1	.1	.0																	213		213		
79		.0	.1	.4	.8	1.2	.5	1.0	.5	.4	.1	.1	.1																			254		254	5	
77		.2	.6	1.4	.6	1.1	.6	.5	.2	.2	.1	.0																				268	268	36	1	
75	.1	.7	1.4	1.2	.9	.7	.5	.3	.3	.1																						315	315	104	7	
73	.9	1.3	2.1	.7	1.1	.9	.6	.4	.1	.1	.1																					409	409	269	34	
71	1.6	2.0	1.3	.9	.8	.6	.4	.3	.1	.1																						403	403	385	135	
69	1.6	1.9	.8	1.0	.8	.3	.4	.3	.1																							353	353	494	257	
67	.1	1.8	1.6	.8	.9	.6	.6	.4	.3	.0																						350	350	474	411	
65		2.0	1.2	1.2	.6	.8	.5	.4	.1	.0																						339	339	471	525	
63		1.8	.8	1.2	.9	.5	.6	.1	.0																							300	300	432	410	
61	.0	1.8	1.2	1.1	.7	.5	.3	.2																								297	297	385	316	
59	.3	1.1	1.3	1.0	.4	.4	.1	.1																								235	236	383	372	
57	.0	1.1	.9	.7	.4	.2	.0																									167	167	327	369	
55		1.3	1.0	.6	.3	.0																										161	161	323	356	
53		.5	.6	.5	.1																											84	84	291	301	
51		.6	.8	.2	.0																											82	82	211	277	
49		.7	.4	.1	.0																											61	61	156	235	
47		.5	.2	.0	.0																											36	36	121	210	
45		.4	.2	.0																												29	29	53	231	
43		.2	.1																													11	11	26	144	
41		.0	.0																													3	3	19	136	
39																																		5	97	
37																																			63	
35																																			27	
33																																			18	
31																																			10	
Element (K)	2 g	2 g	I	g	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 92 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

SEP
MONTH

PAGE 2

ALL
HOURS 12-3-7

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

PSYCHROMETRIC SUMMARY

724457
STATION

FT LEONARD WOOD MO
STATION NAME

73-74

YEARS

OCT
MONTH

PAGE 1

0000-0200

HOURS (L, S, T)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM

USAFETYAC

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONIN

PAGE 1 0300-0500
MONDAY, 11 FEB 1968

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 0600-0800
HOURS 11.5.7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/ 73					.5			.1										5	6																
57/ 71			1.7	.5	.1		.1											14	14																
77/ 69		.1	.6	.1		.1	.2											10	10																
67/ 67		.1	1.2	.1	.4		.1											14	14	13	2														
67/ 65		1.2	.7	.4	.1	.1	.1											22	22	15	13														
47/ 63		1.8	1.0	1.2	.1	.2												36	36	20	14														
27/ 61		2.1	1.2	.7	.9	.2												42	42	19	23														
77/ 59		2.6	2.7	1.2	.7	.6												64	64	37	17														
57/ 57	.1	2.6	3.9	2.1	.1	.2	.4	.2										79	79	54	31														
57/ 55		1.0	2.3	2.0	.5	.5	.5											55	55	56	39														
47/ 53		1.0	1.7	1.1	.4	.6												39	39	52	52														
52/ 51		.5	2.6	1.1	1.2	.7												50	50	54	33														
57/ 49		1.1	2.2	1.4	.6													43	43	41	44														
47/ 47		1.0	1.2	2.0	1.8													49	49	47	39														
47/ 45		1.7	2.0	1.7	.1													45	45	45	52														
47/ 43		2.2	2.6	1.0														47	47	63	50														
42/ 41		1.7	2.7	1.2														46	46	56	27														
47/ 39	.2	3.1	2.1	.1														45	45	64	48														
37/ 37	.2	3.1	1.6	.2														42	42	58	44														
77/ 35		.7	2.1	.5														27	27	42	64														
34/ 33		1.2	.5															14	14	28	69														
27/ 31		1.4	.2															13	13	21	66														
77/ 29		.9	.2															9	9	17	36														
27/ 27		.2	.1															3	3	7	19														
77/ 25																				4	8														
24/ 23		.1																1	1		11														
27/ 21																				1	4														
77/ 19																					5														
27/ 17																					4														
TOTAL		.631	.436	.418	.7	7.6	3.4	1.5	.4									814	815		814														

Element (X)	ΣX^2	ΣX	$\bar{X}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	4696266	60976	74.9	12.577	814							93
Wet Bulb	2196582	41488	50.9	10.195	815		3.0	5.0	.7			93
Dew Point	1874568	38256	47.0	9.709	814			5.7	1.5			93
	1591841	34897	42.9	10.854	814		17.5	.2				93

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

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

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 0900-1100
HOURS L. S. T.

[illegible]

724457	FT LEONARD WOOD MO
STATION	STATION NAME

YEARS.

PAGE 1 1200-1400
HOURS S. I.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																														
41 / 93																					.1												1	1																																																																
41 / 91																					.2												2	2																																																																
41 / 89																					.4												5	5																																																																
81 / 97																				.2	.4	.1										7	7																																																																	
41 / 85													.1	.4	.7					.5	.4	.4	.1										21	21																																																																
41 / 83										.2	.4	.5	.6	.4					.4	.1	.2												23	23																																																																
41 / 81											.5		.5		.5	1.1	.5		.5	.2	.1												24	24																																																																
41 / 79										.2	.5	.2	1.0	1.0	1.0	1.0			.6	.1													38	38																																																																
71 / 77										.5	.8	1.2	1.2	1.0					.6	.1	.4													48	48																																																															
76 / 75								.4	.2	.7	1.6	.8	1.0	1.8					.1															55	55																																																															
44 / 73						.1	.2	1.3	.6	1.2	.7	1.8	.5																					54	54		5																																																													
41 / 71				.1		.6	.6	.7	1.2	.8	1.2	.2																						46	46		12																																																													
41 / 69		.1	.1	1.3	1.0			.5	.5	1.0	1.3	.4																							51	51		18																																																												
61 / 67			.7	.4	.2	.2	1.1	1.3	1.1	1.1	.1	.1																						52	52		26																																																													
61 / 65		.4	.5	.8	.4	.4	.6	1.3	2.4	.7																								62	62		34																																																													
44 / 63	.1	.2	.8	.2	.4	.4	1.3	1.3	1.4	.4																								55	55		83																																																													
41 / 61	.1	.2	.4	.5	.2	.5	1.0	1.2	1.3	.1																								46	46		61																																																													
41 / 59		.6	1.0	.4	.2	1.3	1.4	1.3	.4																									55	55		67																																																													
41 / 57		.4	.4	.1	.4	.5	1.1	2.5	.2																									46	46		48																																																													
51 / 55		.2	.1		.1	.4	2.2	.1																										26	26		76																																																													
41 / 53		.2	.1	.1	.2	1.2	.4	.4																										22	22		53																																																													
41 / 51		.2	.4		.1	1.7	.8	.1																										28	28		57																																																													
51 / 49		.1	.2	.4	.2	.2	.2																											12	12		66																																																													
41 / 47		.4	.1	1.1	.5	.4	.2																											22	22		53																																																													
41 / 45			.4	.5	.5	.1	.1																											13	13		40																																																													
44 / 43		.4	.5	.1	.4	.1																												12	12		56																																																													
41 / 41		.2																																2	2		36																																																													
41 / 39		.1				.2																												3	3		21																																																													
31 / 37		.4				.1																												4	4		13																																																													
21 / 35																																				6	45																																																													
31 / 33																																				1	43																																																													
22 / 31																																				3	53																																																													
31 / 29																																					54																																																													
21 / 27																																					27																																																													
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

OCT
MONTH

PAGE 2 1200-1400
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
25																																				20
24																																				7
21																																				8
19																																				6
17																																				5
15																																				1
TAL	.2	4.2	5.7	6.0	6.3	10.4	15.2	16.3	14.1	11.1	6.6	2.0	1.3	.2	.1																			835	835	
																																			835	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	3811041	55665	66.7	10.958	835			47.6	31.0	11.5	.1	93
Wet Bulb	2535225	45437	54.4	8.674	835		.3	6.8	.6			93
Dew Point	1678586	36156	43.3	11.641	835		20.2	.4				93

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 1500-1700

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
24 / 23																																	10		
22 / 21																																	5		
21 / 19																																	3		
17 / 17																																	3		
17 / 15																																	3		
TOTAL	.1	4.3	6.1	6.0	7.4	9.0	15.9	15.2	14.1	10.4	7.7	1.8	1.2	.5		.2																	835		
																																	835		
																													</						

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-61

YEARS

OCT
MONTH

PAGE 1 1800-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.		TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																										
81												.5					.1													5		5														
79												.1																		6		6														
77						.1	.2	.4	.1	.1	.5																		12		12															
75					.5	.6	.1	.4	.5	.2	.1																		20		20															
73				.1	.7	.1	.2	.5	.4	.6	.1																		23		23															
71				.2	.5	.2	.7	.6	.2	.1																			27		27															
69		.2	.6	.4	1.4	1.2	.6	1.4	.2																				51		51	10														
67		.4	.4	1.6	1.4	1.0	1.6	1.1	1.1																				70		70	17	1													
65		.5	.4	2.3	1.1	1.4	1.0	.8	.4																				65		65	25	23													
63		.2	1.2	1.2	1.4	1.3	1.1	1.3	.4																				68		68	28	14													
61		.5	.5	.7	1.3	1.1	1.8	1.2	.4																				62		62	54	5													
59	.2	1.2	.6	.6	.5	2.1	.8	.7	.2																				58		58	68	29													
57		.6	.7	.7	1.6	1.7	1.6	.4																					60		60	58	42													
55		1.0	.5	.5	1.3	1.8	1.3	.1																					54		54	65	53													
53			.4	1.2	1.2	1.4	1.4																						47		47	58	42													
51		.5	.4	.6	1.9	2.2	.5																						50		50	57	42													
49			1.0	.7	1.4	1.0																							34		34	68	34													
47		.2	.5	.8	2.3	.2																							34		34	54	43													
45		.2	.8	1.1	1.0	.2																							28		28	59	52													
43			.9	.7	.2	.1																							16		16	63	25													
41		.2	1.4	.5	.4	.1																							22		22	50	59													
39		.2	.6	.6	.1																								13		13	46	51													
37				.1																									1		1	23	37													
35																																15		59												
33				.2																									2		2	7	47													
31				.1																									1		1	1	77													
29																																		32												
27																																3		26												
25																																		24												
23																																		2												
19																																		3												
17																																		3												
15																																		3												
Element (X)	Σ X'			Σ X			Σ			σ _x			No. Obs.			Mean No. of Hours with Temperature																														
Rel. Hum.																≤ 0 F							≤ 32 F				≥ 67 F				≥ 73 F				≥ 80 F				≥ 93 F				Total			
Dry Bulb																																														
Wet Bulb																																														
Dew Point																																														

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 1800-2000
HOURS 10. S. T.

[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MC
STATION STATION NAME

73-81

YEARS

OCT
MONTH

PAGE 1 2100-2300
HOURS U.S. T.I.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
7 / 77											.2																						1	1			
76 / 75									.4	.2																							3	3			
74 / 73						.9	.2																										5	5			
72 / 71				1.3						.2	.4																						10	10			
70 / 69				1.1	.6	.4	.6	.2	.4																							18	18	2			
68 / 67			.2	1.7	1.1	.6	1.3	.9																								27	27	13	1		
66 / 65			.9	1.5	1.3	.9	1.1	.6		.2																						30	30	11	13		
64 / 63			.2	1.9	2.6	1.3	.4	.4	.4																							34	34	14	13		
62 / 61			1.7	1.5	1.5	1.3	1.5	.6	.2																							39	39	22	7		
60 / 59			1.3	1.7	1.9	.4	1.3	.2	.2																							33	33	33	16		
58 / 57			.6	1.5	1.5	2.6	.2	.2																								31	31	37	27		
56 / 55			1.7	1.3	.6	2.8	1.1	.2																								36	36	25	22		
54 / 53			.2	1.3	1.5	1.5	.6	.4																								26	26	36	24		
52 / 51			.9	1.1	1.5	1.5	.6	.4																								28	28	24	24		
50 / 49			.2	2.2	1.3	2.2	1.1																									32	32	35	20		
48 / 47			.2	1.3	1.5	1.5																											21	21	37	27	
46 / 45			.9	.6	2.8	.2	.2																										22	22	31	24	
44 / 43			1.9	1.3	1.3	.4	.2																										24	24	28	15	
42 / 41			1.3	2.2	.9																												20	20	40	41	
40 / 39			.9	1.5	.2																												12	12	30	35	
38 / 37			.9	.4	.2																												7	7	25	27	
36 / 35			.2	.2																													2	2	7	33	
34 / 33																																			8	22	
32 / 31			.2																														1	1	2	32	
30 / 29																																			1	14	
28 / 27																																			1	8	
26 / 25																																				10	
24 / 23																																				3	
22 / 19																																				1	
20 / 17																																				3	
TOTAL						12.6	25.5	24.0	18.0	13.4	4.8	1.5	.2																				462	462	462		
																																		462	462		
Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	2130725	30653	66.3	14.501	462	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																									
Dry Bulb	1485545	25845	55.9	9.284	462		.2	12.9	1.8			93																									
Wet Bulb	1197671	23161	50.1	8.906	462		.8	3.0				93																									
Dew Point	961231	20473	44.3	10.822	462		14.3	.2				93																									

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

OCT
MONTH

PAGE 1

ALL
HOURS U.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														
97																			1	1															
91											.0			.0					4	4															
89											.0	.1	.0	.0			.0		9	9															
87										.1	.2	.0	.0	.1					18	18															
85								.0	.1	.2	.1	.2	.1	.1	.0				38	38															
83						.1	.1	.1	.2	.1	.1	.1	.0						43	43															
81						.0	.2	.0	.2	.4	.1	.1	.0						57	57															
79					.0	.2	.2	.3	.4	.3	.4	.1	.1						100	100															
77				.1	.3	.4	.5	.5	.5	.3	.0	.1							135	135															
75			.0	.1	.3	.2	.4	.7	.3	.4	.6	.1							156	156															
73		.0	.3	.3	.5	.4	.5	.5	.6	.2	.0								169	170	7														
71		.5	.5	.6	.4	.6	.6	.4	.5	.2									216	216	27														
69	.1	.5	.5	.8	.5	.5	.6	.6	.5	.2									244	244	65	1													
67	.1	.9	.7	.6	.6	1.0	.7	.7	.4	.0									285	285	125	20													
65	.9	.7	1.0	.5	.6	.6	.6	.8	.3	.0									307	307	170	107													
63	.0	.6	.9	.9	.6	.7	.7	1.0	.6	.1									309	309	280	103													
61	.0	1.0	.8	.8	.8	.6	1.0	.9	.6	.0									330	330	284	113													
59	.1	1.4	1.4	.9	.5	1.2	.9	.8	.2										367	367	333	198													
57	.0	.9	1.3	.9	.7	1.0	.9	.8	.0										331	331	338	237													
55	.7	.8	.8	1.0	.8	1.3	.1												276	276	380	248													
53	.3	.7	.8	.7	1.2	.6	.1												220	220	358	264													
51	.5	1.0	.7	1.1	1.3	.4	.0												248	248	314	239													
49	.0	.3	1.2	.7	1.1	.5	.2												199	199	358	224													
47	.5	.7	1.1	1.2	.2	.1													188	188	343	253													
45	.5	.8	1.1	.4	.2	.0													158	158	299	282													
43	.8	1.2	.7	.3	.1														149	149	334	222													
41	.8	1.3	.6	.2	.0														143	143	282	275													
39	.1	1.0	.7	.2	.1														102	102	252	323													
37	.1	.8	.5	.2	.1														81	81	176	277													
35	.2	.4	.1																40	40	109	329													
33	.3	.1	.0																24	24	60	303													
31	.3	.1	.0																18	18	43	373													
29	.2	.1																	11	11	25	229													
27	.1	.0																	4	4	12	141													
Element (X)	Σ x ²					Σ x					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 25																						6	100												
2 / 23	.0																	1	1			42													
2 / 21																				1		25													
1 / 19																						25													
1 / 17																						21													
1 / 15																						7													
TAL	.312	.416	.714	.012	.111	.210	.6	8.5	6.2	4.3	2.5	.7	.4	.1	.0	.0			4982		4981														
																		4981																	

Element (X)	ΣX^2	ΣX	$\bar{X}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	18816590	290224	58.3	19.565	4981	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	18533830	298138	59.8	11.790	4982		5.1	220.4	109.2	33.8	.1	744
Wet Bulb	13633116	256394	51.5	9.350	4981		13.0	33.5	1.0			744
Dew Point	10065195	216805	43.5	11.234	4981		143.8	3.1				744

PSYCHROMETRIC SUMMARY

YEARS

NOV
MON 18

HOURS . . . 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 / 65		1.1																1	1																
64 / 63		2.2																2	2	1															
61 / 61																				2	3														
59 / 59		3.3		2.2	2.2													7	7																
57 / 57																				3															
55 / 55			2.2															2	2		3														
53 / 53			1.1															1	1	3															
51 / 51		5.4	2.2	1.1														8	8	5															
49 / 49		4.3		1.1														5	5	5	6														
47 / 47		3.3	1.1															4	4	5	6														
45 / 45			3.3	1.1	4.3													8	8	4	6														
43 / 43			3.3	2.2	5.4													10	10	2	3														
41 / 41		3.3	2.2	1.1														6	6	7															
39 / 39		3.3	4.3	1.1														8	8	3	5														
37 / 37		6.5	3.3	4.3														13	13	17	5														
35 / 35																				10	2														
33 / 33			6.5	1.1														7	7	4	7														
31 / 31			4.3	1.1														5	5	5	8														
29 / 29		1.1	2.2															3	3	6	3														
27 / 27		2.2																2	2	10	8														
25 / 25																					8														
23 / 23																					4														
21 / 21																					7														
19 / 19																					6														
17 / 17																					2														
TOTAL		35.9	35.9	16.3	12.0													92	92	92	92														

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	483024	6550	71.2	13.544	92	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\geq 67^\circ\text{F}$	$\geq 73^\circ\text{F}$	$\geq 80^\circ\text{F}$	$\geq 93^\circ\text{F}$	
Dry Bulb	182736	4116	43.7	9.035	92		9.8					90
Wet Bulb	154404	3674	39.9	9.189	92		20.5					90
Dew Point	121842	3184	34.6	11.314	92		45.0					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

74

YEARS

NOV
MONTH

PAGE 1 0300-0500
HOURS G. S. T. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B. Dry Bulb	Wet Bulb Dew Point	
6 / 67				1.1																													1	1	
6 / 65				2.2																													2	2	
4 / 63																																			3
4 / 61					1.1																												1	1	
4 / 59					1.1																												1	1	
4 / 57			3.3	2.2	1.1																												6	6	
5 / 55				1.1																													1	1	
4 / 53			1.1	2.2																													3	3	
2 / 51			2.2																														2	2	
5 / 49			4.4	2.2																													6	6	
4 / 47			4.4																														4	4	
4 / 45				3.3			2.2																										5	5	
4 / 43			2.2	5.6	1.1	2.2																											10	10	
2 / 41			1.1	1.1	4.4																												6	6	
4 / 39				4.4	3.3																												7	7	
3 / 37			6.7	3.3	3.3																												12	12	
3 / 35			3.3	2.2																													5	5	
3 / 33				2.2																													2	2	
2 / 31			1.1	3.9																													9	9	
1 / 29			1.1	3.3																													4	4	
2 / 27			3.3																														3	3	
1 / 25																																			
2 / 23																																			
2 / 21																																			
1 / 19																																			
TOTAL			34.4	45.6	15.6	4.4																											90	90	
																																	90	90	

Element (X)	Z _g	Z _h	X	° _g	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	506761	6667	74.1	112.0	32	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	171364	3434	42.6	9.5	02		16.0	1.0			
Wet Bulb	147039	3535	39.3	9.5	94		22.0				
Dew Point	119996	3122	34.7	11.4	64		48.0				

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

USAFETAC FORM 0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

NOV
1954

PAGE 1 0600-0800
HOURS 5-7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
6 / 67			.1																									1	1					
6 / 65			.3				.3																						4	4				
4 / 63			.7				.1																						6	6	1			
4 / 61		.3	1.0	.4	.1																								13	13	2	1		
4 / 59		3.3	1.0	.1	.1	.3																							35	35	11	4		
4 / 57	.1	1.9	.4		.1				.1																				20	20	37	23		
5 / 55		3.3	.8	.1	.5																								35	35	22	22		
4 / 53		1.1	.4	.4	.8			.1																					21	21	30	28		
4 / 51		1.2	.8	.1	.1	.5																							21	21	12	21		
5 / 49		.7	.5	.8	.7	1.0																							27	27	18	14		
4 / 47	.1	2.3	2.2	1.0	.4																								44	44	20	15		
4 / 45		1.5	1.2	2.3	.7																								42	42	30	10		
4 / 43		1.5	1.9	2.7	.4																								43	43	33	20		
4 / 41		1.8	1.9	2.3	.3																								46	46	46	32		
4 / 39	.3	1.5	2.6	1.1	.1																								41	41	53	25		
3 / 37	.1	3.0	2.6	1.6	.1																								55	55	50	28		
4 / 35		3.7	2.2	.7	.3																								50	50	63	38		
3 / 33		2.7	2.4	.5																									42	42	53	42		
2 / 31	.4	2.6	3.8	.5																									54	54	49	77		
1 / 29	.1	2.9	1.9																										36	36	45	53		
2 / 27	.3	2.7	1.1																										30	30	55	52		
2 / 25		1.9																											14	14	33	32		
2 / 23		1.2																											9	9	18	38		
2 / 21	.5	.8																											10	10	16	43		
1 / 19	.4	1.4																											13	13	7	44		
1 / 17	.1	.7																											6	6	12	25		
1 / 15	.4	.3																											5	5	6	15		
1 / 13		.5																											4	4	2	10		
1 / 11		.1																											1	1	3	10		
1 / 9		.7																											5	5	2			
1 / 7		.3																											2	2	5	2		
1 / 5		.1																											1	1	2			
1 / 3																																	1	
1 / 1																																	9	
Element (X)	Σ x'	Σ x	x̄	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																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

73-61

NOV
MONTH

PAGE 2 0600-0800
HOURS S. T.

[illegible]

USAFETAC
FORM 94
JUN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 1 0900-1100
HOURS

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 / 75													.1	.1	.4	.1																6	6		
74 / 73																.1																1	1		
72 / 71								.4	.1	.2	.1	.1	.1	.1																		9	9		
7 / 59						.4	.4	.1	.2	.2	.4								.1			.1									15	15			
6 / 67				.1	.6	.7	.6	.4	.4	.2								.1													19	19			
6 / 65				.6	.7			.4	.5	.4	.1	.2						.2													24	24			
4 / 63		.1	.5	.5	.2	.6	.5	.1	.2	.1								.1													24	24			
13 / 61		1.5	.6	.9	.2	.6	.4	.5	.1																						39	39			
7 / 59		2.0	.5	.1	.5	.7	.5	.9	.1																						43	43			
7 / 57		1.5	.6	.7	.5	.9	.5	.6																							43	43			
5 / 55		.5	.6	.7	.1	1.2	1.7	.1																							35	35			
4 / 53		.9	.4	.7	.5	1.5	.7	.4																							41	41			
2 / 51		.6	.5	1.1	.9	1.1	.7																								40	40			
5 / 49		.2	.7	1.4	.6	.7	.1																								31	31			
4 / 47	.1	.9	.6	1.1	1.9	1.1	.4																								49	49			
4 / 45		1.2	1.0	1.4	1.0	.5																									41	41			
4 / 43		.7	1.4	1.1	.7	1.0	.1																								41	41			
2 / 41		1.6	.9	1.6	.5	.4																									40	40			
4 / 39		.9	2.7	2.1	.5																										50	50			
3 / 37		1.0	2.1	1.1	.6																										39	39			
7 / 35		2.5	1.6	1.0			.1																								43	43			
3 / 33		.9	1.1	1.5																											28	28			
2 / 31	.4	2.2	2.0	.7																											43	44			
7 / 29	.2	1.1	1.4	.1																											23	23			
2 / 27	.1	.6	.5	.2																											12	12			
26 / 25		.4	.1																												4	4			
24 / 23		.9	.1																												8	8			
22 / 21		.6																													5	5			
17 / 19		.1	.1																												2	2			
17 / 17		.1	.2																												3	3			
14 / 15	.1	.5																													5	5			
14 / 13		.1																													1	1			
11 / 11																																			
11 / 9	.1																														1	1			
Element (X)	ΣX^2			ΣX			$\bar{X}$			σ^2			No. Obs.			Mean No. of Hours with Temperature						Total													
Rel. Hum.																$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$														
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

73-61

YEARS

NOV
MONTH

PAGE 2 0900-1100
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point	
/ 7																																				4
/ 2																																				3
/ 1																																				4
/ -1																																				3
TOTAL	1.0	23.4	21.5	19.8	10.1	11.5	6.4	3.7	1.6	.7	.1																							808	809	808

Element (X)	Σ X'	Σ X	$\bar{X}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3492695	51133	63.3	17.839	808	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1937593	38257	47.3	12.608	809		12.0	5.6	.8			90
Wet Bulb	1495502	33620	41.6	10.941	808		19.2					90
Dew Point	1081738	27768	34.4	12.567	808	.3	45.2					90

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
 STATION STATION NAME

73-81

YEARS

NOV
 MONTH

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

Temp. (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1 / 81											.1							.1															2	2		
1 / 79																	.1	.5	.1	.4													9	9		
7 / 77												.1					.2	.4	.2														8	8		
1 / 75											.1	.4					.2	.2	.2	.1													11	11		
4 / 73										1.2				.2			.6	.5	.4	.2													26	26		
1 / 71						.1		.5	.4	.7	.2	.5	.4	.1			.2	.5	.4	.1													24	24	1	
7 / 69					.1	.1	.5	1.2	.4	.1	.1	.7	.1				.2	.5	.2														28	28		
1 / 67					.6	1.4	.5	1.2		.4	.5	.2					.2	.5	.2														39	39		
6 / 65					.6	.4	.9	.2	1.1	.6	.2						.2	.5	.2														33	33	6	1
4 / 63				.4	.5	.1	.6	.9	.2	.9	.2						.2	.5	.2														31	31	18	
2 / 61	1.1	.2	.4	.4	.4	.4	.4	1.2	1.2	.4							.2	.5	.2														43	43	21	1
1 / 59	1.4	.9	.2	.4	.5	1.2	1.2	.4									.2	.5	.2														50	50	42	16
7 / 57	.7	.9	.5	.2	.5	1.2	.9	.1	.1								.2	.5	.2														40	40	54	27
5 / 55	.4	.1	.7	1.2	.9	1.2	.9	1.2	.9								.2	.5	.2														44	44	37	32
4 / 53	.4	.1	.7	1.2	.7	1.2	.5	.2									.2	.5	.2														40	40	38	20
2 / 51	.1	.6	1.2	1.0	.9	.5	.2										.2	.5	.2														35	35	30	20
5 / 49	.2	.5	.4	.5	.5	1.0	.2	.1									.2	.5	.2														28	28	32	22
1 / 47	1.1	.2	.1	1.4	1.2	.6	.1										.2	.5	.2														39	39	58	21
4 / 45	.9	.6	.5	1.9	1.0	.5											.2	.5	.2														43	43	65	32
4 / 43	1.4	1.1	.7	.9	1.2	.4											.2	.5	.2														46	46	46	28
2 / 41	.4	.6	1.5	.9	.9												.2	.5	.2														34	35	49	32
4 / 39	.9	.6	.6	.7	.2												.2	.5	.2														25	25	46	36
3 / 37	.7	.9	.6	.5													.2	.5	.2														22	22	60	31
2 / 35	1.1	.4	1.0	.4													.2	.5	.2														23	23	48	40
3 / 33	.2	.6	.5	1.2	.5												.2	.5	.2														25	25	43	41
2 / 31	.9	.4	1.5														.2	.5	.2														22	22	28	56
1 / 29	.4	.7	1.0	.1	.1												.2	.5	.2														19	19	26	50
2 / 27	.1																.2	.5	.2														1	1	23	60
1 / 25	.1	.4															.2	.5	.2														4	4	18	42
2 / 23	.2	.1			.1												.2	.5	.2														3	3	4	28
2 / 21	.1	.1	.2														.2	.5	.2														4	4	3	29
1 / 19		.4															.2	.5	.2														3	3	2	36
1 / 17		.2															.2	.5	.2														2	2	2	29
1 / 15																	.2	.5	.2															4	4	32
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ^2		No. Obs.		Mean No. of Hours with Temperature						Total																			
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION

73-81

YEARS

NOV
MONTH

PAGE 2 1200-1400
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1- / 13																					2	20													
1- / 11																						6													
1- / 9																						2													
1- / 7																						4													
1- / 5																						2													
1- / 3																						1													
1- / 1																						4													
1- / -1																						4													
1- / -3																						1													
TOTAL	.613.610.513.213.613.012.9 7.6 7.3 4.0 2.6 1.0																	806	807	806															

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2532345	42083	52.220.403		806							
Dry Bulb	2405939	42725	52.913.364		807		6.5	16.4	6.2	.6		90
Wet Bulb	1678469	35737	44.310.802		806		12.5	.1				90
Dew Point	1069309	27315	33.913.357		806	.6	45.3					90

PSYCHROMETRIC SUMMARY

73-81

YEARS

NOV
MONTH

PAGE 1 1500-1700

HOURS: 4, 5, 7, 8

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														
81										.1								1	1																
79									.1	.2	.1	.2						6	6																
77								.5	.1	.2	.1	.1						9	9																
76 / 75							.2	.6	.4	.7	.2	.1						8	8																
74 / 73						.2	.6	.4	.7	.2	.1							19	19																
72 / 71					.1	.5	.1	.6	.2	.4	.2	.1						19	19																
70 / 69				.2	.7	.5	.5	.7	.4	.5	.5							33	33																
68 / 67			.4	.4	.5	.5	.7	.5	.1	.6	.1							31	31																
66 / 65			.5	.5	.6	.4	.5	.2	1.1	.5	.4							38	38	2															
64 / 63		.1	.5	.5	.4	.6	.9	.1	1.4	.1								37	37	17															
62 / 61		.9	.5		.4	.9		1.4	1.1									41	41	24	3														
60 / 59		1.1	.4	.2	.4	.5	.7	1.4	.5	.1								43	43	36	10														
58 / 57		1.0	1.1	.1	.7	.2	.6	1.5	.2	.1								46	46	47	19														
56 / 55		.6	.1	.7	.5	1.4	.7	.5	.6									42	42	37	40														
54 / 53		.5	.1	.5	.5	1.1	1.1	.7	.2									39	39	35	19														
52 / 51		.1	.4	.4	1.4	.4	.7	.6	.2									34	35	38	23														
50 / 49			.2	.5	.4	1.6	1.1	.4										34	34	35	22														
48 / 47		.9	.4	.1	1.0	1.2	1.1	.1										39	39	52	16														
46 / 45		1.0	1.0	.7	1.7	1.0	1.2											54	54	55	36														
44 / 43		1.5	.7	.1	1.0	.6	.1											33	33	57	27														
42 / 41		.5	1.5	1.2	.7	.6												37	37	43	34														
40 / 39	.1	.9	.4	1.2	1.5	.1												34	34	57	32														
38 / 37		.2	.5	.7	.7													18	18	64	28														
36 / 35		1.2	.9	1.0	.5													29	29	39	37														
34 / 33		.9	.7	1.2	.6													28	28	45	38														
32 / 31		.4	.9	.6														15	15	35	65														
30 / 29	.1	.4	.4	.5														11	11	23	51														
28 / 27		.4	.4	.2														8	8	26	45														
26 / 25			.4	.1														4	4	12	47														
24 / 23		.2	.1	.4														6	6	10	29														
22 / 21			.2	.1														3	3	2	30														
20 / 19		.1	.1															2	2	5	39														
18 / 17			.1															1	1	3	22														
16 / 15																				2	36														
Element (X)	ΣX^2	ΣX	Σ	σ_n	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

73-81

YEARS

NOV
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
71 / 71										.1	.3	.3	.1																				6	6			
71 / 69								.3	.5	.6	.1																						12	12			
69 / 67				.4	.4	.1	.1	.1	.1									.1	.1														11	11			
67 / 65				.4	1.3	.3	.6	.6	.1	.1	.1							.1	.1														28	28			
65 / 63		.4	.5	.1	1.1	.4	.5	.1	.3									.3															26	26	4		
63 / 61		.6	.5	.9	.5	.6	.5	.1	.1	.1								.1	.1	.1												32	32	16	4		
61 / 59		1.4	1.1	.9	.9	.9	.5	1.0	.3									.3															55	55	28	6	
59 / 57	.1	1.6	.5	.5	.6	.3	.8	.5	.3																								41	41	30	22	
57 / 55		.9	.4	.6	.6	1.5	.9	.4																									42	42	39	28	
55 / 53		1.0	.3	1.1	.3	1.6	1.4	.1																									46	46	38	24	
53 / 51		.5	.9	.6	.4	1.0	.9	.1																									35	35	26	20	
51 / 49		.1	.8	.6	1.4	1.8	.6	.1																									43	43	37	35	
49 / 47		1.1	.6	1.1	1.9	1.3	.4	.1																									52	52	31	11	
47 / 45		1.4	.5	1.0	1.5	.5	.3																										41	41	57	28	
45 / 43		1.1	.8	1.4	.6	1.0	.4																										43	43	45	43	
43 / 41		1.1	1.3	1.5	1.6	.6																											49	49	63	25	
41 / 39		1.1	1.8	1.6	1.8	.4																											53	53	53	23	
39 / 37	.1	1.4	.9	1.6	.8																												38	38	60	31	
37 / 35		1.3	.6	.6	.6																												25	25	51	29	
35 / 33		1.4	1.0	1.0	.5																												31	31	54	48	
33 / 31		.9	1.3	.8																													23	23	43	64	
31 / 29	.1	.3	1.4	.5																													18	18	36	55	
29 / 27	.1	.3	.8	.3																													11	11	25	48	
27 / 25		.4	1.5	.5																													19	19	17	51	
25 / 23																																				18	12
23 / 21	.3	.1	.3																														5	5	9	32	
21 / 19		.3	.3																														4	4	4	49	
19 / 17		.1	.1																														2	2	3	29	
17 / 15		.1	.1																														2	2	3	31	
15 / 13		.1																															1	1	2	14	
13 / 11																																			2	12	
11 / 9																																				5	
9 / 7																																				5	
7 / 5																																				1	
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ^2		No. Obs.		Mean No. of Hours with Temperature												Total														
Rel. Hum.											$\leq 0 F$		$\leq 32 F$		$\leq 67 F$		$\leq 73 F$		$\leq 80 F$		$\leq 93 F$		Total														
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
3																																					5
2																																					2
1																																					2
TOTAL	19.013.819.015.713.2 9.7 3.1 1.3 .4																																	794	794	794	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3160420	47884	60.3	18.543	794							
Dry Bulb	1910021	37819	47.6	11.706	794		9.6	3.3				90
Wet Bulb	1457484	32964	41.5	10.590	794		18.4					90
Dew Point	1020802	26482	33.4	13.171	794	.2	47.3					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

YEARS

NOV
MONTH

PAGE 1 2100-2300
HOURS (L, S, T, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 69				.3			.2												3	3															
6 / 67				.2	.5	.2		.2											6	6															
6 / 65			.3	.3	.5	.2	.2												9	9															
4 / 63		.5	.2	.5	.5	.2			.2										12	12		3													
2 / 61		.9	.8	.2	.5	.8	.3												22	22		8													
1 / 59		2.2	.6	.9	.3	.2													27	27		12													
1 / 57		2.0	1.2	.8	.5	.3	.2												32	32		25													
5 / 55		1.6	.3	.9	1.1	.6	.5	.3											34	34		26													
4 / 53		1.1	1.1	.6	.5	.9	.9												33	33		30													
2 / 51		1.7	1.1	.5	1.1	1.4	.6												41	41		21													
5 / 49		.9	1.6	.2	.6	1.2													29	29		33													
4 / 47		.5	.5	1.1	2.3	.8													33	33		26													
4 / 45		1.4	1.1	2.0	2.9	.3	.2												51	51		25													
4 / 43		.8	1.1	1.7	1.4	.5	.2												36	36		34													
2 / 41		.9	2.9	1.9	1.1	.3													46	46		39													
4 / 39	.2	.9	.9	1.2	.9														27	27		56													
3 / 37		1.7	1.6	1.9	1.1														40	40		59													
7 / 35		.8	1.4	2.2	.3														30	30		29													
3 / 33		.6	2.3	1.6	.2														30	30		46													
2 / 31		1.6	1.9	.6															26	26		30													
1 / 29	.3	.9	2.0	.2															22	22		47													
2 / 27		.3	1.1																9	9		24													
1 / 25		1.7	.8																16	16		22													
2 / 23		1.1	.5																10	10		20													
2 / 21		.3	.5																5	5		9													
1 / 19	.5	.3																	5	5		7													
1 / 17		.3																	2	2		3													
1 / 15		.6																	4	4		2													
1 / 13		.3																	2	2		5													
1 / 11		.3																	2	2		1													
1 / 9		.2																	1	1		3													
1 / 7																																			
1 / 5																																			
1 / 3																																			
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature																								
Ref. Num.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1	226	425	619	516	1	7	8	3	1	5	2																645	545	645	3							
TAL																																645	545	645	3		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2976353	42511	65.9	16.462	645	$\leq 0^\circ F$	$\leq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	90
Dry Bulb	1362336	28670	44.4	11.687	645		14.5	1.3				90
Wet Bulb	1095195	25617	39.7	10.990	645		24.1					90
Dew Point	814402	21296	33.0	13.145	645		47.6					90

PSYCHROMETRIC SUMMARY

YEARS

NOV

PAGE 1

All

ALL
HOURS S. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																														
7 / 71											.0						.0																3	3																																																																																																																																																																																																																																																																																
7 / 70																	.0	.1															15	15																																																																																																																																																																																																																																																																																
7 / 77												.0	.1				.1	.1	.1	.1	.0												17	17																																																																																																																																																																																																																																																																																
6 / 75											.0	.1	.0				.1	.1	.1	.1	.0												25	25																																																																																																																																																																																																																																																																																
4 / 73											.3	.1	.1				.3	.1	.1	.1	.1												46	46																																																																																																																																																																																																																																																																																
7 / 71						.0	.1			.2	.2	.3					.1	.2	.1	.1	.0												58	58	1																																																																																																																																																																																																																																																																															
7 / 69					.2	.3				.3	.5	.3					.1	.1	.2	.1	.0												91	91																																																																																																																																																																																																																																																																																
6 / 67				.2	.3	.5				.3	.4	.1					.1	.2	.1														108	108																																																																																																																																																																																																																																																																																
6 / 65			.0	.4	.6	.3				.3	.4	.2					.4	.3	.1														139	139	9	1																																																																																																																																																																																																																																																																														
4 / 63			.2	.4	.3	.4				.4	.5	.1					.5	.1															138	138	60																																																																																																																																																																																																																																																																															
7 / 61			.9	.6	.5	.3				.5	.3	.5					.4	.1															191	191	85	21																																																																																																																																																																																																																																																																														
7 / 59			1.8	.7	.5	.5				.5	.5	.8					.2	.0															261	261	163	58																																																																																																																																																																																																																																																																														
7 / 57			1.4	.8	.4	.4				.4	.5	.6					.1	.0															228	228	231	135																																																																																																																																																																																																																																																																														
5 / 55			1.1	.4	.5	.6	1.0			.6	.4	.3					.3																235	235	199	169																																																																																																																																																																																																																																																																														
4 / 53			.8	.4	.7	.6	1.0			.9	.3	.1					.1																224	224	207	140																																																																																																																																																																																																																																																																														
2 / 51			.8	.6	.6	.8	.9			.6	.2	.1					.1																216	217	169	126																																																																																																																																																																																																																																																																														
5 / 49			.5	.7	.6	.7	1.1			.5	.1	.0					.0																203	203	193	148																																																																																																																																																																																																																																																																														
4 / 47			1.2	.7	.7	1.4	.9			.4	.1																						264	264	236	112																																																																																																																																																																																																																																																																														
4 / 45			1.2	1.0	1.3	1.7	.5			.4																							285	285	293	160																																																																																																																																																																																																																																																																														
4 / 43			1.2	1.3	1.2	1.7	.7			.2																							262	262	271	172																																																																																																																																																																																																																																																																														
4 / 41			1.1	1.5	1.7	.8	.5																										264	265	305	174																																																																																																																																																																																																																																																																														
4 / 39			1.1	1.6	1.4	.9	.1																										245	245	327	166																																																																																																																																																																																																																																																																														
3 / 37			1.5	1.5	1.3	.6																											237	237	362	185																																																																																																																																																																																																																																																																														
7 / 35			1.8	1.2	1.0	.3	.0																										205	205	310	223																																																																																																																																																																																																																																																																														
3 / 33			1.1	1.4	1.2	.3																											193	193	316	268																																																																																																																																																																																																																																																																														
2 / 31			1.4	1.8	.8																												197	198	238	403																																																																																																																																																																																																																																																																														
7 / 29			1.0	1.4	.2	.0																											136	136	223	305																																																																																																																																																																																																																																																																														
2 / 27			.8	.6	.1																												76	76	216	326																																																																																																																																																																																																																																																																														
7 / 25			.7	.5	.1																												61	61	121	263																																																																																																																																																																																																																																																																														
2 / 23			.6	.1	.1																												36	36	78	175																																																																																																																																																																																																																																																																														
2 / 21			.3	.2	.1																												32	32	48	221																																																																																																																																																																																																																																																																														
7 / 19			.3	.1																													29	29	31	244																																																																																																																																																																																																																																																																														
1 / 17			.2	.1																													16	16	23	163																																																																																																																																																																																																																																																																														
1 / 15			.1	.1																													16	16	20	157																																																																																																																																																																																																																																																																														
Element (X)	Σ X ²		Σ X		Σ		Σ A		No. Obs.		Mean No. of Hours with Temperature																																																																																																																																																																																																																																																																																																							

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 2

ALL
HOURS ... 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 / 13			.2																														8	8	15	83	
1 / 11			.1																														3	3	10	53	
1 / 9			.1																														7	7	6	19	
1 / 7			.0																														2	2	5	21	
1 / 5			.0																														1	1	2	8	
1 / 3																																				12	
1 / 1																																				27	
1 / -1																																				14	
1 / -3																																				1	
TOTAL	1.0	23.6	20.3	16.3	12.3	9.8	7.0	4.1	3.0	1.4	.8	.3																					4773	4776	4773		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	19936975	293855	61.6	19.665	4773	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	11620865	227221	47.6	13.030	4776		93.6	54.7	16.0	1.2		720
Wet Bulb	8788219	197903	41.5	11.049	4773		156.3	.2				720
Dew Point	6174460	160112	33.5	12.976	4773	2.3	376.4					720

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

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0200

HOURS: 9 A.M. - 5 P.M.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

74

YEARS

DEC
MONTH

PAGE 1 0300-0500
HOURS

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

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	356251	4569	76.2	11.876	60	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	68130	1964	32.7	8.369	60		38.8					93
Wet Bulb	58448	1820	30.3	7.412	60		63.6					93
Dew Point	43852	1546	25.8	8.251	60		74.4					93

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 1 0600-0800
HOURS L.S.T.

[illegible]

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-61

YEARS

DEC
MONTH

PAGE 2 3600-3800
HOURS 11.5. 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																																			
-7			1															1	1			7													
-9																				1		4													
-21																					1	1													
TOTAL	5.756	5.22	7	7.8	3.1	1.2													688		688														

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Rel. Hum.	3999450	51612	75.0	13.631	688							93
Dry Bulb	749297	21259	30.9	11.597	688	.1	49.9					93
Wet Bulb	643872	19661	28.6	10.927	688	.1	61.5					93
Dew Point	486197	16181	23.5	12.400	688	4.3	74.2					93

ALPAC CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-61

YEARS

DEC

MONTH

PAGE 1 0900-1100
HOURS 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										
6 / 55						.4																												3	3												
4 / 62					.2	.5	.1					.1																						8	8												
1 / 61				.2	.4	.2	.1			.1	.1																							9	9												
1 / 59		.1	.7	.1	.1	.2	.1	.2	.1																									15	15	7											
1 / 57			.7	.4		.2				.1	.2	.1																						12	12	5	2										
5 / 55		.5	.5		.1					.1	.2																							12	12	10	7										
4 / 53		.2	.2		.4	.2	.1	.2																										12	12	17	7										
1 / 51		.4	.4	.1	.2	.5	.4																											16	16	9	12										
5 / 49		.2	.5	.2	.6	.5	.2																											19	19	10	9										
4 / 47		.8	.5	.5	1.0	.5	.2																											29	29	8	14										
4 / 45		.4	.5	1.3	1.3	.6	.2																											36	36	18	9										
4 / 43		1.2	.2	.7	.6	1.0																												31	31	22	6										
2 / 41		1.4	1.4	1.3	1.3	.2																												45	45	35	14										
4 / 39	.4	.7	2.2	1.2	1.7																													51	51	38	23										
3 / 37	.4	1.9	1.7	2.0	.4	.1																												54	54	56	15										
1 / 35	1.1	1.9	2.6	2.0	.1																													65	65	63	30										
3 / 33	1.2	5.1	2.5	1.4	.5																													90	90	77	35										
1 / 31	.6	5.4	2.6	1.4	.2																													86	86	101	71										
1 / 29	.2	1.6	3.0	.7																														46	46	77	56										
2 / 27		2.3	1.6	.6																														37	37	45	61										
1 / 25	.4	1.4	1.4	.2																														29	29	60	55										
1 / 23	.1	1.6	1.0	.4																														25	25	43	44										
2 / 21		1.6	.8	.1																														21	21	26	40										
1 / 19		1.2	1.0																															18	18	19	61										
1 / 17		1.2	.8																															17	17	23	50										
1 / 15		.6	.5																															9	9	13	43										
1 / 13		.5	.2																															6	6	12	30										
1 / 11	.1	1.1	.2																															12	12	6	21										
1 / 9		.5																																4	4	13	18										
1 / 7	.1	1.3																																12	12	10	10										
1 / 5		.4																																3	3	9	13										
1 / 3		.2																																2	2	1	14										
1 / 1																																				1	1	19									
1 / -1	.1																																	1	1		8										
Element (X)	Σx^2		Σx		$\bar{x}$		σ^2		No. Obs.		Mean No. of Hours with Temperature															Total																					
Rel. Hum.											≤ 0 F										≤ 32 F					≤ 57 F					≤ 73 F					≤ 80 F					≤ 93 F						
Dry Bulb																																															
Wet Bulb																																															
Dew Point																																															

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 7 0900-1100
HOURS 10-2-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -3																																				1	10
- / -5																																			1	1	6
- / -7																																				1	
- / -19																																					1
- / -21																																					2
TOTAL	4.5	35.9	28.2	16.0	8.5	4.2	1.7	.7	.2																									836	936	836	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4023338	56190	67.2	17.187	836	$\leq 0^\circ F$	$\leq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	1160839	29521	35.3	11.907	836	.2	36.6					93
Wet Bulb	929013	26397	31.6	10.695	836	.2	51.3					93
Dew Point	640954	20624	24.7	12.581	836	3.0	72.6					93

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

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTE

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

[illegible]

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

CLIMAT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2 1200-1400
HOURS L. S. T.

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO

73-81

UFC

PAGE 1 1900-1700

HOURS

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														
72 / 71								.1	.1											2	2														
71 / 69								.1												1	1														
70 / 67					.1	.1			.2	.1						.1				6	6														
69 / 65			.1	.5	.2			.1	.4	.1					.4					15	15														
68 / 63				.4	.2	.5	.4	.2	.4											17	17														
67 / 61			.4	.4		.1	.5	.1	.4	.2										17	17		4												
66 / 59			.8		.7	.1	.2	.8		.1										20	20		6												
65 / 57		.5	.4		.4		.2	.7	.1											19	19	14	5												
64 / 55		.1	.1	.2	.1	.5	1.3	.4	.1											24	24	10	9												
63 / 53		.2		.1	.8	1.0	1.0	.6	.1											32	32	13	9												
62 / 51			.8		.5	1.7	.6	.8												38	38	15	13												
61 / 49		.7	.4	.2	.6	1.2	1.1	.2												37	38	12	4												
60 / 47		.5		.6	1.6	.7	1.3	.1												40	40	24	8												
59 / 45	.2	.7	.4	.2	.4	2.0	.1													34	34	35	14												
58 / 43		.6	1.4	.8	1.3	1.6	.6													53	53	42	15												
57 / 41		.8	.7	1.0	1.7	1.1	.2													46	46	50	12												
56 / 39	.4	.8	2.2	1.6	2.0	1.4														70	70	56	16												
55 / 37	1.0	1.6	1.7	1.7	1.0	.1														58	58	61	16												
54 / 35	.8	1.1	2.3	1.7	.5	.1														54	54	77	44												
53 / 33	.2	1.8	1.7	.7	1.0	.1														46	46	81	46												
52 / 31	.6	1.9	1.4	1.3	.6	.2														51	51	84	53												
51 / 29		1.0	1.4	.6	.2															27	27	52	57												
50 / 27		1.3	1.2	.5	.5															29	29	32	62												
49 / 25		.8	1.9	.7	.1															30	30	42	54												
48 / 23		.2	.1	.7																9	9	27	46												
47 / 21	.1	.6	.4	.7																15	15	26	40												
46 / 19		.8	.6	.2																14	14	15	69												
45 / 17		.6	.8																	12	12	20	44												
44 / 15		.6	.1																	6	6	10	34												
43 / 13		.2	.2																	4	4	12	50												
42 / 11			.1																	1	1	3	16												
41 / 9			.1																	1	1	2	11												
40 / 7		.1																		1	1	2	14												
39 / 5		.5																		4	4	3	16												
Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

704457 FT LEONARD WOOD MC
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Element (X)	Z _X	Z _X	X	P _A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3009250	47014	56.4	20.680	833	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1522067	34123	40.9	12.295	834		22.7	1.0				93
Wet Bulb	1100804	29044	34.9	10.292	833		37.2					93
Dew Point	655407	20717	24.9	12.980	833	3.3	69.4					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MD
STATION STATION NAME

73-81
YEARS

DFC
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
67							.1											1		1																
66						.2												2		2																
63		.1		.1														2		2																
61		.1	.4	.2				.1										7		7		2														
59		.5	.5		.1	.1		.1										11		11																
57		.6	.5		.2	.2	.1											14		14		14														
55		.6	.4	.4	.5	.4	.5		.1									23		23		13		14												
53		.7	.2	.1	.2	.2	.4	.2										18		18		7		10												
51		.2	.2	.1	.7	.5	.2											17		17		10		6												
49		.4	.1	.2	1.1	.5	.2											21		21		12		9												
47	1.1		.9	2.1	.5	.2												39		39		13		9												
45	.7	.1	1.0	1.5	.6	.4												42		42		18		10												
43	1.0	.4	1.1	1.2	.7	.4												39		39		24		11												
41	1.5	1.1	1.1	1.7	.6													49		49		35		9												
39	1.6	.9	1.5	2.7	.4													57		57		54		14												
37	.1	1.3	2.0	2.6	1.8	.2												66		66		54		17												
35	1.7	1.6	3.8	2.0	1.0	.1												83		83		52		38												
33	.1	2.4	2.7	1.5	.9													62		62		79		43												
31	.4	2.6	2.7	2.0	.2													64		64		103		50												
29	.1	1.1	2.0	.9	.1													34		34		86		52												
27	1.8	.7	.5															25		25		41		63												
25	1.8	1.6	1.0	.1														37		37		46		56												
23	1.6	.7	.1															20		20		36		34												
21	.4	1.5	.6															20		20		32		51												
19	1.0	1.2	.4															21		21		20		70												
17	.6	.9																12		12		15		59												
15	.1	.1																2		2		15		33												
13	1.2	.2																12		12		7		38												
11	.7	.2																8		8		10		30												
9	.1	.1																2		2		8		12												
7	.1	.1																2		2		5		11												
5																																				
3	.2																	2		2		1		9												
1	.5																	4		4		3		22												
Element (X)	Σ x'	Σ x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2

1800-2000
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
/ -1																																			3	9
- / -3																																				7
- / -5																																				9
- / -7																																				1
/ -11																																				1
- / -15																																				1
/ -17																																				1
/ -19																																				1
/ -21																																				1
TAL	2.8	29.6	24.4	18.3	16.3	5.4	2.6	.5	.1																									818	818	
																																			818	818
											</																									

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

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 2100-2300
HOURS 5-1

[illegible]

PSYCHROMETRIC SUMMARY

73-61

YEARS

DE C

PAGE 2 2106-2300
HOURS 11:00-11:59

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 1

ALL
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																											
71 / 71																																	2	2																													
70 / 69																																	4	4																													
69 / 67																																	23	23																													
68 / 65																																	41	41																													
67 / 63																																	49	49																													
66 / 61																																	59	59	10																												
65 / 59																																	64	64	25	2																											
64 / 57																																	83	83	62	15																											
63 / 55																																	98	98	57	56																											
62 / 53																																	109	109	73	45																											
61 / 51																																	117	117	49	60																											
60 / 49																																	150	151	67	34																											
59 / 47																																	190	190	87	58																											
48 / 45																																	187	187	126	61																											
47 / 43																																	233	234	161	69																											
46 / 41																																	250	250	214	75																											
45 / 39																																	301	301	277	84																											
44 / 37																																	335	335	299	107																											
43 / 35																																	374	374	357	205																											
42 / 33																																	414	414	443	228																											
41 / 31																																	381	381	518	335																											
40 / 29																																	202	202	431	314																											
39 / 27																																	174	174	253	398																											
38 / 25																																	196	196	256	307																											
37 / 23																																	124	124	207	226																											
36 / 21																																	134	134	165	282																											
35 / 19																																	136	136	142	351																											
34 / 17																																	93	93	148	311																											
33 / 15																																	41	41	75	246																											
32 / 13																																	36	36	58	205																											
31 / 11																																	34	34	36	134																											
30 / 9																																	20	20	37	85																											
29 / 7																																	27	27	30	59																											
28 / 5																																	21	21	34	55																											
Element (X)	Σ x ²					Σ x					Σ					Σ _a					No. Obs.					Mean No. of Hours with Temperature																																					
Rel. Hum.																										≤ 0 F						≥ 32 F						≥ 67 F						≥ 73 F						≥ 80 F						≥ 93 F						Total	
Dry Bulb																																																															
Wet Bulb																																																															
Dew Point																																																															

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

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point		
- / 3				.2																													11	11	13	57	
/ 1		.1	.2																													12	12	12	101		
/ -1		.0	.1																													5	5	6	45		
- / -3		.0																														1	1	3	53		
- / -5			.0																													1	1		37		
- / -7			.0																													1	1	1	12		
- / -9																																		1	3		
- / -11																																			2		
- / -15																																			4		
- / -17																																			4		
- / -19																																			2		
- / -21																																			6		
TOTAL	4.2	33.0	24.0	15.1	10.7	6.4	3.4	1.9	.6	.2	.1	.1																				4733	4735	4733			

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21298611	304249	64.3	19.180	4733	$\pm 0^\circ F$	$\pm 32^\circ F$	$\pm 67^\circ F$	$\pm 73^\circ F$	$\pm 80^\circ F$	$\pm 93^\circ F$	
Dry Bulb	7142973	174349	36.8	12.360	4735	1.3	259.3	4.6				744
Wet Bulb	5521713	153513	32.4	10.708	4733	1.7	381.4					744
Dew Point	3633988	116640	24.6	12.669	4733	26.4	571.2					744

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

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

PAGE 1

ALL

HOURS 11:30-1:00

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

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

[illegible]

USAFETAC
FORM
PLA 44
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

ALL
MONTH

ALL

HOURS .. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point		
7-27																																				12	
7-29																																				1	
TAL	0.220	0.215	0.013	7	11.2	9.4	7.6	6.3	4.7	3.0	1.7	.9	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	59979	59952	
																																				59952	59952

AL CLIMATOLOGY BRANCH
TAC
CATHY SERVICE/44C

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4457 FT LEONARD WOOD MO

73-61

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	32.4	31.1	42.3	50.9	59.1	68.5	72.4	70.2	63.4	56.2	43.7	34.9	53.5	
S D	13.437	9.534	10.179	11.212	7.619	5.615	4.385	4.157	7.839	9.038	9.635	9.642	16.953	
TOTAL OBS	161	167	186	183	185	180	170	186	179	101	92	80	1867	
MEAN	31.2	30.1	40.8	48.3	56.5	65.4	69.8	67.9	61.1	51.4	42.6	32.7	54.3	
S D	13.501	10.014	10.723	10.851	8.075	6.281	4.715	4.872	8.185	10.559	9.502	8.069	15.717	
TOTAL OBS	185	198	216	226	363	330	334	341	329	269	90	60	2941	
MEAN	24.1	25.9	40.1	51.6	59.5	68.6	73.7	70.4	62.5	50.9	40.5	30.9	50.8	
S D	13.577	13.053	11.826	10.135	8.208	6.311	5.709	5.901	8.300	10.195	11.754	11.597	19.211	
TOTAL OBS	733	734	794	776	819	801	825	827	798	815	736	688	9396	
MEAN	26.1	34.4	47.1	59.9	67.6	76.4	82.5	79.4	71.6	60.5	47.3	35.3	57.6	
S D	13.452	13.853	12.911	11.147	8.810	6.562	6.711	6.563	8.712	10.538	12.608	11.907	20.895	
TOTAL OBS	636	760	835	810	836	810	834	836	808	836	809	836	9846	
MEAN	34.0	40.2	52.9	65.1	71.8	80.3	87.2	84.6	76.8	66.7	52.9	41.0	62.9	
S D	13.751	14.628	13.453	11.641	9.125	6.973	7.225	6.858	8.903	10.958	13.364	12.659	20.746	
TOTAL OBS	634	761	836	810	835	810	825	835	809	835	807	837	9834	
MEAN	34.0	41.5	54.0	66.2	72.3	81.1	87.7	84.9	76.8	66.6	52.4	40.9	63.4	
S D	13.697	14.486	13.211	11.468	9.013	6.803	7.594	6.967	8.742	10.571	12.992	12.295	20.581	
TOTAL OBS	630	757	837	810	835	810	828	837	805	835	803	834	9821	
MEAN	31.4	37.5	49.6	61.5	67.8	76.7	82.5	78.9	70.5	59.6	47.6	36.8	58.5	
S D	12.681	13.212	12.145	10.584	8.319	6.269	6.912	6.426	7.881	9.471	11.706	11.308	19.550	
TOTAL OBS	607	741	836	809	833	763	805	834	802	829	794	818	9671	
MEAN	29.2	34.5	45.8	56.7	63.0	71.4	76.3	73.5	65.7	55.9	44.4	34.7	52.2	
S D	13.082	12.781	11.268	9.956	7.524	5.363	4.552	4.707	7.305	9.284	11.687	11.598	18.318	
TOTAL OBS	643	615	702	659	519	431	446	458	441	462	645	582	6603	
ALL HOURS	MEAN	30.5	35.8	47.9	59.5	66.2	75.1	81.0	78.0	70.2	59.8	47.6	36.8	57.6
	S D	13.871	14.133	13.301	12.244	10.025	8.291	8.837	8.608	10.142	11.790	13.030	12.360	20.269
	TOTAL OBS	5079	4733	5242	5080	5225	4935	5067	5154	4971	4982	4776	4735	59979

CLIMATE CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4457 FT LEONARD WOOD MO
 STATION STATION NAME

73-81

YEARS

HRS	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	29.9	29.5	39.2	46.5	55.9	64.4	67.5	66.7	61.0	51.7	39.9	32.3	50.1
	S D	12.792	9.256	9.686	11.309	8.238	5.310	4.730	3.754	7.698	9.153	9.189	8.896	16.383
	TOTAL OBS	161	167	186	180	185	180	170	186	179	101	92	90	1867
	MEAN	29.1	28.4	39.1	44.6	53.8	62.0	66.2	64.9	58.5	47.8	39.3	30.3	51.4
	S D	12.890	9.484	10.175	10.763	8.558	6.047	4.623	4.790	8.151	10.211	9.594	7.412	15.319
	TOTAL OBS	155	198	216	226	363	330	334	340	329	269	90	60	2940
	MEAN	22.3	26.8	37.2	46.6	55.5	63.6	68.2	65.6	58.7	47.0	37.4	26.6	47.1
	S D	13.016	12.243	11.095	9.325	8.406	5.875	4.361	5.094	7.953	9.709	11.224	10.927	17.981
	TOTAL OBS	781	734	789	776	819	801	825	827	798	814	736	688	9388
	MEAN	25.4	30.7	41.6	50.9	59.4	67.2	71.7	69.4	63.3	52.0	41.6	31.6	50.5
-11	S D	12.497	12.042	11.012	9.801	8.106	5.709	4.278	4.782	7.432	9.039	10.941	10.695	17.986
	TOTAL OBS	834	760	835	810	836	809	834	835	808	836	808	836	9841
	MEAN	29.3	34.3	44.8	53.0	60.8	68.4	72.6	70.6	65.2	54.4	44.3	35.0	52.8
1-14	S D	11.889	11.605	10.632	8.624	7.674	5.531	4.149	4.550	7.040	8.674	10.802	10.454	16.953
	TOTAL OBS	833	761	835	810	835	809	825	835	808	835	806	836	9828
	MEAN	29.9	34.8	45.2	53.4	60.9	68.8	72.6	70.4	65.0	54.3	43.9	34.9	52.9
1-17	S D	11.635	11.155	10.145	8.390	7.467	5.448	4.006	4.476	6.872	8.393	10.622	10.292	16.744
	TOTAL OBS	828	757	837	810	835	810	827	837	805	935	802	833	9816
	MEAN	27.7	32.5	42.7	51.5	59.3	67.6	71.6	69.0	62.9	51.4	41.5	32.4	50.9
-20	S D	11.539	11.049	10.051	8.414	7.723	5.553	4.073	4.600	6.958	8.601	10.590	10.314	17.055
	TOTAL OBS	807	741	836	809	833	763	804	834	802	829	794	818	9670
	MEAN	26.3	30.8	40.8	49.5	57.5	65.5	69.4	67.4	60.9	50.1	39.7	31.2	47.1
1-23	S D	12.250	11.321	10.019	8.836	7.847	5.424	4.177	4.637	7.275	8.906	10.990	10.712	17.040
	TOTAL OBS	642	615	702	659	519	431	446	458	441	462	645	582	6602
	MEAN	27.1	31.5	41.8	50.5	58.5	66.5	70.7	68.5	62.5	51.5	41.5	32.4	50.5
ALL HOURS	S D	12.452	11.732	10.815	9.342	8.255	6.023	4.701	5.070	7.729	9.350	11.049	10.708	17.335
	TOTAL OBS	571	4733	5236	5080	5225	4933	5065	5152	4970	4981	4773	4733	59952

2

ALTIMATOLOGY BRANCH
TAC
CATER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24457 FT LEONARD WOOD MO

73-81

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	24.5	25.8	34.7	41.5	53.1	62.0	64.6	64.7	59.3	47.5	34.6	27.5	46.6	
S D	14.347	10.457	11.363	13.531	10.036	5.782	6.033	4.282	8.083	10.918	11.314	10.164	18.000	
TOTAL OBS	161	167	186	180	185	180	170	186	179	101	92	80	1667	
MEAN	24.6	24.9	34.1	40.6	51.5	59.8	64.1	63.1	56.6	44.1	34.7	25.8	48.5	
S D	14.198	10.574	11.751	12.496	10.015	6.544	5.335	5.358	8.815	11.322	11.464	8.251	16.663	
TOTAL OBS	185	198	216	226	363	330	334	340	329	269	90	60	2940	
MEAN	16.9	22.0	32.9	41.2	52.2	60.5	65.3	62.9	56.0	42.9	32.8	23.5	43.1	
S D	15.216	13.712	12.411	10.888	10.112	6.800	4.895	5.721	8.778	10.854	12.545	12.400	19.416	
TOTAL OBS	731	734	789	776	819	801	825	827	798	814	736	688	9388	
MEAN	16.6	23.9	34.6	42.1	52.9	61.8	66.4	64.1	57.9	44.0	34.4	24.7	43.9	
S D	14.720	13.351	12.503	11.307	10.962	7.555	5.565	6.174	9.151	11.191	12.567	12.561	19.456	
TOTAL OBS	634	760	835	810	836	809	834	835	808	836	808	836	9841	
MEAN	19.9	24.7	35.3	41.6	52.7	61.5	65.3	63.1	57.7	43.3	33.9	25.3	43.8	
S D	14.127	12.766	12.658	11.453	10.762	7.835	6.369	6.802	9.442	11.641	13.357	12.814	19.043	
TOTAL OBS	833	761	835	810	835	809	825	835	808	835	806	836	9828	
MEAN	19.9	24.3	34.9	41.4	52.4	61.8	65.1	62.7	57.4	43.0	33.4	24.9	43.5	
S D	13.911	12.351	12.470	11.373	10.733	7.892	6.534	7.081	9.557	11.538	13.363	12.980	19.049	
TOTAL OBS	828	757	837	810	835	810	827	837	805	835	802	833	9816	
MEAN	19.6	23.9	34.1	41.6	52.7	62.2	66.0	63.5	57.8	43.3	33.4	24.4	43.6	
S D	13.958	12.525	12.233	11.331	10.749	7.476	6.003	6.618	8.878	11.043	13.171	12.927	19.262	
TOTAL OBS	817	741	836	809	833	763	804	834	802	829	794	818	9670	
MEAN	19.4	24.0	34.2	41.9	52.9	61.9	65.7	63.8	57.5	44.3	33.0	24.6	41.3	
S D	14.570	12.724	11.686	11.416	10.319	6.792	5.420	6.253	8.923	10.822	13.145	12.701	19.170	
TOTAL OBS	642	615	702	659	519	431	446	458	441	462	645	582	6602	
ALL HOURS	MEAN	19.5	23.9	34.3	41.6	52.6	61.5	65.5	63.3	57.4	43.5	33.5	24.6	43.7
S D	14.499	12.772	12.330	11.435	10.569	7.371	5.858	6.359	9.110	11.234	12.976	12.669	19.133	
TOTAL OBS	5071	4733	5236	5080	5225	4933	5065	5152	4970	4981	4773	4733	59952	

AL CLIMATELOGY BRANCH

WEATHER SERVICE/MAC

RELATIVE HUMIDITY

4427 FT LEONARD WOOD MO

77-01

JAN

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	1-01	100.0	100.0	100.0	100.0	93.2	78.9	67.4	50.3	17.7	71.7	161
	01-02	100.0	100.0	100.0	100.0	96.4	89.7	72.4	44.0	14.6	77.4	180
	02-03	100.0	100.0	99.7	96.7	95.6	86.8	66.2	34.3	6.8	74.1	761
	03-04	100.0	100.0	100.0	96.4	87.1	70.7	46.0	21.0	7.0	60.0	634
	04-05	100.0	99.9	96.6	83.6	67.0	44.1	28.0	12.5	4.0	50.7	673
	05-06	100.0	100.0	92.0	77.3	57.7	42.5	27.3	12.4	4.2	57.0	629
	06-07	100.0	100.0	98.1	91.4	74.0	54.0	35.9	1.2	0.3	67.0	507
	07-08	100.0	100.0	99.7	97.2	85.0	65.4	43.0	20.1	0.1	67.0	640
	08-09											
	09-10											
	10-11											
	11-12											
	12-13											
	13-14											
	14-15											
	15-16											
	16-17											
	17-18											
	18-19											
	19-20											
	20-21											
	21-22											
	22-23											
	23-24											
	TOTALS	100.0	100.0	99.3	93.1	81.8	66.5	47.5	24.7	0.4	67.0	5071

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

77-21

STATION

STATION NAME

021108

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[illegible]**USAFETAC**FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

75-21

STATION

STATION NAME

PERIOD

492

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
1-5	5-02	100.0	100.0	100.0	98.9	93.7	79.0	61.0	46.0	27.1	71.0	100
1-5	5-05	100.0	100.0	100.0	100.0	95.4	86.4	65.3	46.0	24.5	77.7	210
1-5	5-08	100.0	100.0	100.0	99.2	94.7	86.4	67.4	42.7	17.4	76.4	780
1-5	5-11	100.0	100.0	99.4	88.4	75.2	56.9	36.9	23.6	9.2	64.0	630
1-5	5-14	100.0	99.5	88.9	69.9	50.7	37.0	25.4	13.4	7.2	44.9	430
1-5	5-17	100.0	98.7	81.5	63.6	47.9	33.2	23.8	10.5	6.0	37.0	537
1-5	5-20	100.0	99.9	97.2	77.8	59.1	42.2	31.7	17.4	9.1	50.3	230
1-5	5-23	100.0	100.0	98.7	92.6	76.1	53.7	42.9	20.8	11.5	66.4	700
TOTALS		100.0	99.8	95.1	85.3	74.0	60.2	44.2	25.9	13.6	65.4	4236

RELATIVE HUMIDITY

ADD

[illegible]

U.S. AIR FORCE
CLIMATE DIVISION
METAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14457 FT LEONARD WOOD MO 73-51 MAY
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%		
MAY	00-02	100.0	100.0	100.0	100.0	97.6	91.4	80.0	59.0	23.2	1.0	121
	03-05	100.0	100.0	100.0	99.7	98.3	95.6	84.6	65.4	31.9	11.7	263
	06-08	100.0	100.0	99.9	98.9	95.4	86.6	70.7	49.7	17.6	7.7	318
	09-11	100.0	99.6	96.6	86.0	70.1	52.2	32.1	15.6	5.0	61.7	536
	12-14	100.0	99.6	91.4	72.7	51.6	32.6	19.9	9.9	3.7	53.5	335
	15-17	100.0	99.6	88.9	70.2	50.4	30.4	17.8	11.0	4.0	52.0	335
	18-20	100.0	99.6	86.9	63.9	46.3	30.5	28.8	17.6	6.1	60.9	333
	21-23	100.0	100.0	99.8	97.1	85.0	73.4	54.5	34.1	12.7	71.4	317
TOTALS		100.0	99.9	96.7	88.6	77.1	64.1	48.5	33.0	12.9	67.5	225

RELATIVE HUMIDITY

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MONTH

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	1-51	100.0	100.0	100.0	100.0	100.0	99.9	81.7	55.6	11.1	2.1	14
	1-5	100.0	100.0	100.0	100.0	99.7	98.8	89.1	61.3	16.7	2.4	37
	1-10	100.0	100.0	100.0	100.0	98.7	89.3	69.7	41.3	9.9	2.1	71
	1-11	100.0	100.0	99.4	94.9	76.6	51.1	27.2	11.0	3.7	1.0	209
	1-14	100.0	99.9	97.5	82.7	53.7	31.0	16.7	6.1	1.7	0.5	209
	1-17	100.0	99.9	97.5	77.2	50.0	31.0	16.0	7.4	.9	0.1	11
	1-20	100.0	100.0	99.6	94.6	75.6	50.3	30.1	14.4	2.0	0.1	76
	1-23	100.0	100.0	100.0	100.0	97.4	81.9	56.2	31.8	6.3	2.0	431
TOTALS		100.0	100.0	99.0	85.0	61.3	46.5	48.4	29.4	6.3	67.0	497

RELATIVE HUMIDITY

75-21

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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%		
1-1	1-21	100.0	100.0	100.0	100.0	99.7	93.5	74.7	41.2	3.2	78.2	17
	1-22	100.0	100.0	100.0	100.0	99.7	97.6	89.5	61.3	1.2	82.0	34
	1-23	100.0	100.0	100.0	99.9	98.7	89.6	70.4	40.7	7.3	71.7	82
	1-11	100.0	99.9	98.2	91.6	75.8	46.5	19.8	.1	1.2	69.0	34
	1-14	100.0	98.5	91.6	74.4	46.3	21.1	10.9	1.4	.7	50.3	27
	1-17	100.0	97.6	89.2	69.5	43.4	23.0	12.1	5.0	.8	43.6	27
	1-20	100.0	99.3	95.0	86.8	71.0	43.5	26.7	11.9	1.1	68.7	304
	1-23	100.0	100.0	100.0	99.6	94.2	80.9	52.0	21.3	2.2	70.0	44
TOTALS		100.5	99.4	98.2	91.3	78.2	61.6	44.5	24.5	4.7	63.7	506

RELATIVE HUMIDITY

77-51

63

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-10		100.0	100.0	100.0	100.0	100.0	99.4	87.1	67.0	41.0	27.0	106
1-15		100.0	100.0	100.0	100.0	100.0	99.1	94.1	71.5	44.7	24.0	34
1-20		100.0	100.0	100.0	99.8	99.3	92.4	74.1	41.6	22.2	17.0	577
1-25		100.0	100.0	99.2	73.1	76.5	45.1	23.7	8.0	7.5	6.0	430
1-30		100.0	99.0	92.9	73.1	48.5	21.1	8.3	4.3	1.4	0.4	630
1-35		100.0	99.0	88.9	70.1	45.2	21.5	13.0	1.0	1.2	40.7	27
1-40		100.0	99.9	97.7	89.7	72.9	50.6	28.7	12.7	3.2	0.1	34
1-45		100.0	100.0	99.8	99.1	95.0	79.0	56.3	34.3	9.2	70.7	45
TOTALS		100.0	99.0	97.3	90.6	79.8	63.9	47.3	31.7	9.4	67.5	5192

FORM
FD-44

0-87-5 (OL A)

UNITED STATES AIR FORCE
OFFICE OF THE SECRETARY
WASHINGTON, D. C. 20330

7-21

1

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%
1-10	100.0	100.0	100.0	100.0	100.0	100.0	99.4	97.1	77.1	50.0	20.0	12
11-20	100.0	100.0	100.0	100.0	100.0	100.0	99.0	98.1	71.4	30.0	10.0	10
21-31	100.0	100.0	100.0	100.0	99.7	99.1	94.5	80.0	45.0	10.7	7.0	70
1-11	100.0	100.0	99.9	99.9	99.0	79.8	52.2	33.7	10.0	7.1	10.0	71
12-14	100.0	99.9	99.4	79.1	49.4	24.0	16.0	6.3	0.8	0.7	0.0	11
15-17	100.0	98.6	95.3	74.4	49.6	31.4	16.1	6.4	0.8	0.0	0.0	6
18-20	100.0	100.0	98.5	95.1	84.2	59.9	38.9	0.0	0.0	0.0	0.0	10
21-23	100.0	100.0	99.9	97.3	94.5	83.7	66.4	41.7	10.2	7.0	0.0	441
TOTALS	100.0	99.7	98.6	92.6	82.1	69.2	55.8	35.4	17.7	7.0	0.0	447

RELATIVE HUMIDITY

73-24

45

STATION

STATION NAME

PERIOD

MONIN

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%		
1-5	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	100
6-10	100.0	100.0	100.0	100.0	99.9	99.7	99.3	98.0	96.4	94.3	92.5	100
11-15	100.0	100.0	100.0	99.9	99.3	98.6	97.3	95.6	93.4	90.7	87.9	100
16-20	100.0	100.0	99.5	98.5	96.9	94.9	92.7	89.3	84.7	79.2	73.0	100
21-25	100.0	99.2	98.1	96.5	93.9	90.6	86.3	81.2	75.3	68.7	61.7	100
26-30	100.0	98.7	97.3	95.3	91.7	87.4	82.4	76.6	70.3	63.6	56.4	100
31-35	100.0	100.0	99.8	97.9	94.6	90.4	85.4	79.6	73.1	66.1	58.6	100
36-40	100.0	100.0	99.3	97.0	93.6	89.4	84.4	78.6	72.3	65.6	58.3	100
41-45												
46-50												
51-55												
56-60												
TOTALS		100.0	99.7	94.3	82.7	69.7	54.5	39.1	24.1	14.5	8.2	4981

RELATIVE HUMIDITY

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MONTH

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☐
 NATIONAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

RELATIVE HUMIDITY

457 ST. LOUIS, MO

73-21

070

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%		
	1-10	100.0	100.0	100.0	99.8	98.0	88.3	68.9	47.9	28.5	7.4	8
	1-11	100.0	100.0	100.0	100.0	98.0	86.3	73.3	43.3	24.3	7.4	6
	1-12	100.0	100.0	99.7	98.8	94.9	83.9	67.6	44.1	21.2	7.4	5
	1-13	100.0	100.0	99.7	92.6	81.4	64.5	45.7	21.0	11.0	67.2	47
	1-14	100.0	99.2	91.1	73.0	56.0	41.5	28.9	14.6	6.0	67.2	53
	1-15	100.0	99.0	90.8	71.1	55.0	41.3	27.1	17.0	5.6	67.4	52
	1-16	100.0	100.0	97.7	85.6	69.9	54.2	36.6	21.9	6.6	67.1	51
	1-17	100.0	100.0	99.7	94.3	82.1	67.4	47.1	24.4	7.9	67.1	50
	1-18											
	1-19											
	1-20											
	1-21											
	1-22											
	1-23											
	1-24											
	1-25											
	1-26											
	1-27											
	1-28											
	1-29											
	1-30											
	1-31											
	TOTALS	100.0	99.5	97.2	89.7	77.9	65.9	49.4	29.1	8.3	67.3	4733

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U.S. AIR FORCE METEOROLOGICAL SERVICE
 AIRCRAFT SERVICE/MAINT

RELATIVE HUMIDITY

4457 FT LEONARD MOORE MO

73-81

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%		
ALL	ALL	100.0	100.0	99.7	93.1	81.8	66.6	47.8	24.7	7.4	67.0	4771
JAN		100.0	99.6	97.0	90.6	79.4	66.1	47.8	24.1	14.0	66.0	4770
FEB		100.0	99.6	96.1	86.3	74.1	60.2	44.2	20.0	10.0	65.0	4770
MAR		100.0	99.6	87.0	76.1	62.6	48.1	34.2	20.9	6.4	60.4	4770
APR		100.0	99.9	96.7	88.6	77.1	64.1	49.5	33.7	12.9	67.6	4770
MAY		100.0	100.0	99.0	93.8	81.7	66.6	48.6	24.4	6.3	66.0	4770
JUN		100.0	99.4	90.9	83.3	76.2	62.6	44.7	24.6	4.7	60.7	4770
JUL		100.0	99.6	97.2	90.6	79.6	63.9	47.8	24.7	9.4	67.0	4770
AUG		100.0	99.7	99.6	93.8	82.1	67.2	55.6	36.9	13.9	70.0	4770
SEP		100.0	99.7	94.3	82.7	69.7	54.6	39.1	20.1	4.6	62.0	4771
OCT		100.0	99.6	96.1	87.2	74.9	58.6	41.6	24.0	4.6	64.0	4770
NOV		100.0	99.6	97.2	89.7	77.9	65.9	49.4	27.1	9.3	67.0	4770
TOTALS		100.0	99.7	94.3	86.6	76.5	62.2	45.7	27.8	6.9	66.0	50950

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

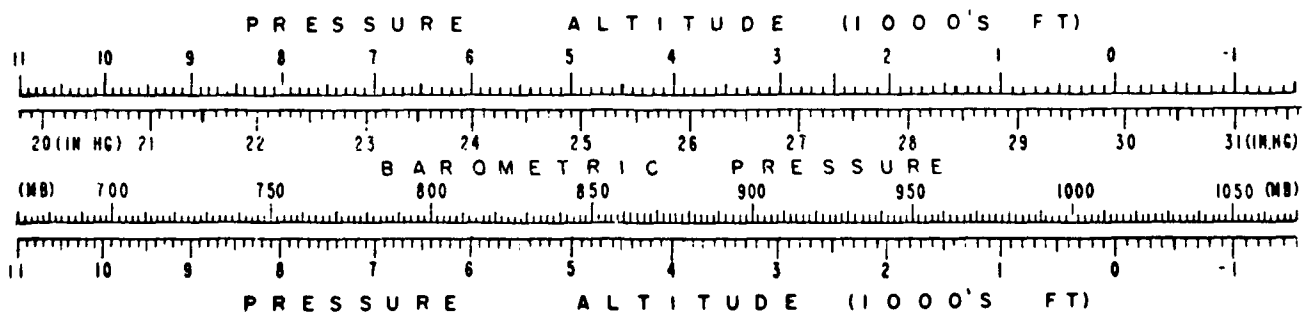
PRESSURE SUMMARY

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

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

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

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



AL CLIMATOLOGY BRANCH
STAC
WEATHER SERVICE/HAL

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14457 FT LEONARD WOOD MO

73-81

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0	MEAN	29.78928	28.82528	28.66728	28.69928	28.65628	28.72328	28.76828	28.79428	28.79928	28.94528	28.84928	28.803	28.764											
	S D	.265	.206	.214	.195	.193	.132	.085	.072	.115	.154	.132	.162	.185											
	TOTAL OBS	55	56	62	60	61	60	56	62	59	33	30	41	635											
1	MEAN	29.78228	28.81928	28.65428	28.68928	28.64728	28.71028	28.76228	28.78728	28.79628	28.92928	28.83328	28.755	28.753											
	S D	.264	.211	.220	.202	.197	.139	.087	.074	.121	.161	.151	.160	.189											
	TOTAL OBS	53	56	61	60	61	60	56	62	60	35	30	20	614											
2	MEAN	29.83928	28.81128	28.70228	28.73128	28.70328	28.75228	28.78928	28.80428	28.81028	28.83728	28.82728	28.810	28.783											
	S D	.234	.227	.216	.189	.155	.129	.081	.093	.126	.170	.192	.230	.180											
	TOTAL OBS	237	226	246	243	271	266	273	274	265	262	208	172	2943											
3	MEAN	29.88028	28.84128	28.73428	28.75728	28.71628	28.76928	28.80628	28.82328	28.83428	28.86328	28.85628	28.838	28.810											
	S D	.243	.239	.224	.199	.156	.130	.081	.094	.130	.172	.198	.236	.190											
	TOTAL OBS	279	254	278	270	278	270	278	279	269	278	270	278	3281											
4	MEAN	29.86028	28.83128	28.71428	28.73928	28.70228	28.75628	28.79128	28.80628	28.81428	28.83728	28.82928	28.816	28.791											
	S D	.242	.239	.223	.190	.150	.126	.082	.093	.129	.169	.199	.238	.188											
	TOTAL OBS	279	254	278	270	278	270	276	279	270	279	270	278	3281											
5	MEAN	28.82028	28.78128	28.66928	28.69728	28.66728	28.72128	28.75328	28.76128	28.76828	28.79328	28.79028	28.780	28.750											
	S D	.242	.232	.217	.182	.146	.123	.083	.093	.126	.162	.195	.230	.183											
	TOTAL OBS	276	253	279	270	279	270	276	279	272	277	269	278	3276											
6	MEAN	29.83628	28.79328	28.67028	28.69028	28.65328	28.70528	28.73528	28.75028	28.76528	28.80028	28.80728	28.801	28.750											
	S D	.233	.227	.216	.176	.143	.120	.082	.090	.124	.158	.193	.224	.182											
	TOTAL OBS	274	249	279	270	277	269	276	279	268	278	264	275	3258											
7	MEAN	29.85028	28.81228	28.69528	28.72428	28.68428	28.72828	28.76628	28.78928	28.79428	28.82828	28.82328	28.822	28.775											
	S D	.224	.222	.214	.173	.143	.122	.081	.085	.125	.161	.189	.220	.181											
	TOTAL OBS	234	243	278	267	270	221	236	243	232	249	262	259	3014											
ALL HOURS	MEAN	28.84428	28.81228	28.69528	28.72128	28.68528	28.73728	28.77328	28.78928	28.79828	28.83128	28.82328	28.810	28.775											
	S D	.235	.230	.219	.187	.154	.128	.085	.094	.128	.168	.193	.225	.185											
	TOTAL OBS	1707	1591	1761	1710	1775	1686	1727	1757	1693	1691	1603	1601	20302											

2

AL CLIMATOLOGY BRANCH
TAC
EAT-PR SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

7457 FT LEONARD WOOD MO

73-81

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL								
0	MEAN	1.18	1.10	1.51	1.13	2.10	1.3	8.10	11.8	10.15	4.10	16.2	10.16	9.10	22.1	10.19	3.10	18.1	10.16	0	
	S D	6.897	7.669	7.915	7.074	6.915	4.675	3.013	2.556	4.259	5.664	4.972	6.067	6.819	6.819	6.819	6.819	6.819	6.819	6.819	
	TOTAL OBS	55	56	62	60	61	60	57	62	59	33	30	41	636							
	MEAN	10.17	8.10	19.2	10.12	8.10	13.5	10.11	6.10	13.4	10.15	0.10	16.0	10.16	7.10	21.5	10.18	6.10	16.5	10.15	6
	S D	9.974	7.850	8.098	7.315	7.095	4.969	3.098	2.665	4.366	5.962	5.016	5.814	6.944	6.944	6.944	6.944	6.944	6.944	6.944	
	TOTAL OBS	53	56	62	60	61	60	57	62	60	35	30	20	616							
	MEAN	10.20	1.10	13.8	10.14	3.10	14.8	10.13	4.10	14.8	10.15	9.10	16.6	10.17	1.10	18.5	10.18	8.10	18.7	10.16	7
	S D	8.809	5.533	8.004	6.749	5.563	4.638	2.911	3.370	4.638	6.262	7.052	8.514	6.699	6.699	6.699	6.699	6.699	6.699	6.699	
	TOTAL OBS	237	226	246	243	271	266	273	275	265	262	208	172	2944							
	MEAN	1.21	6.10	19.9	10.15	4.10	15.7	10.13	9.10	15.4	10.16	5.10	17.2	10.17	9.10	19.4	10.19	8.10	19.7	10.17	7
	S D	8.946	8.882	8.291	7.118	5.589	4.655	2.910	3.409	4.720	6.308	7.295	8.739	7.083	7.083	7.083	7.083	7.083	7.083	7.083	
	TOTAL OBS	279	254	277	270	278	270	277	278	270	278	270	278	3279							
1	MEAN	10.20	8.10	19.4	10.14	7.10	15.0	10.13	4.10	15.0	10.15	9.10	16.6	10.17	2.10	19.4	10.18	7.10	18.9	10.17	0
	S D	9.000	8.859	8.187	6.852	5.409	4.438	2.980	3.369	4.695	6.179	7.315	8.702	6.988	6.988	6.988	6.988	6.988	6.988	6.988	
	TOTAL OBS	279	254	278	270	278	270	276	279	270	279	269	279	3281							
	MEAN	10.19	4.10	17.7	10.13	0.10	13.6	10.12	2.10	13.7	10.14	6.10	15.0	10.15	6.10	16.9	10.17	3.10	17.5	10.15	5
	S D	9.013	8.680	7.995	6.592	5.253	4.419	3.004	3.401	4.572	5.964	7.197	8.439	6.841	6.841	6.841	6.841	6.841	6.841	6.841	
	TOTAL OBS	276	253	279	270	279	270	276	279	270	277	269	278	3276							
	MEAN	10.20	0.10	18.2	10.13	2.10	13.4	10.11	7.10	13.1	10.14	0.10	14.6	10.15	5.10	17.2	10.18	0.10	18.4	10.15	6
	S D	8.707	8.517	7.931	6.338	5.128	4.343	2.954	3.337	4.515	5.823	7.118	8.217	6.844	6.844	6.844	6.844	6.844	6.844	6.844	
	TOTAL OBS	274	249	279	270	277	269	276	279	268	277	265	275	3258							
	MEAN	1.20	5.10	18.9	10.14	0.10	14.5	10.12	7.10	13.9	10.15	1.10	16.0	10.16	5.10	18.2	10.18	6.10	19.1	10.16	5
	S D	8.411	8.356	7.936	6.238	5.187	4.369	2.863	3.116	4.550	5.884	6.982	8.103	6.788	6.788	6.788	6.788	6.788	6.788	6.788	
	TOTAL OBS	254	243	273	267	270	221	236	243	232	249	262	259	3014							
ALL HOURS	MEAN	1.20	2.10	18.9	10.14	0.10	14.4	10.12	8.10	14.3	10.15	3.10	16.0	10.16	7.10	18.2	10.18	5.10	18.7	10.16	5
	S D	8.925	8.598	8.060	6.729	5.532	4.569	3.057	3.405	4.664	6.153	7.133	8.392	6.921	6.921	6.921	6.921	6.921	6.921	6.921	
	TOTAL OBS	1707	1591	1761	1710	1775	1686	1728	1757	1694	1690	1603	1622	20304							

DATE
LME