

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

AD-A134210

USAF/DTIC/DS-87

①

DATA PROCESSING DIVISION  
 USAFETAC  
 Air Weather Service ( MAC )

"LIMITED SURFACE OBSERVATIONS"  
 CLIMATIC SUMMARY "LISOCs"

ALBUQUERQUE  
 1983-08-01 TO 1983-08-31  
 1983-08-01  
 1983-08-01  
 1983-08-01  
 1983-08-01  
 1983-08-01  
 1983-08-01

AUG 10 1983

**DISTRIBUTION STATEMENT A**  
 Approved for public release  
 Distribution Unlimited

FEDERAL BUILDING  
 ASHEVILLE, N. C.

DTIC  
 ELECTE  
 OCT 6 1983  
 B

DTIC FILE COPY

83 10 05 170

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS-83/033	2 GOVT ACCESSION NO. <b>AD A34210</b>	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Limited Surface Observations Climatic Summary (LISOCS) - COLEMAN AAF, GERMANY (WEST)	5 TYPE OF REPORT & PERIOD COVERED Final Rept	
	6 PERFORMING ORG REPORT NUMBER	
7 AUTHOR'S	8 CONTRACT OR GRANT NUMBER(s)	
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225	10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS	
11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/TS Air Weather Service (MAC) Scott AFB IL 62225	12 REPORT DATE AUG 83	
	13 NUMBER OF PAGES 270	
14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	15 SECURITY CLASS. of this report UNCLASSIFIED	
	15a DECLASSIFICATION/DOWNGRADING SCHEDULE	
16 DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES  Limited-duty weather observation site.		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*LISOCS	Climatology	Weather conditions
*RUSSWO	Surface winds	Relative humidity
*Climatological data	Sea-level pressure	Station pressure
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for COLEMAN AAF, GERMANY (WEST)		

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

\*GERMANY (WEST) DL107295  
\*COLEMAN  
\*COLEMAN AAF

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.



Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or
A	Special

Since Coleman AAF, DL is a part time observing station, we partitioned the data to use only those observations from 0500Z to 1900Z. The hourly data 2000Z to 0400Z were not used in the production of this summary. This is done to reduce any bias in the summaries which could result from using those infrequent observations outside the normal operating hours.

The remaining summaries contain serious misleading values that if used would present gross inaccurate climatology for the station, therefore the "ALL ALL" summaries were removed (because they do not represent the "ALL" hours summaries):

SECTION A Weather Conditions

SECTION C Surface Winds

SECTION D Ceiling Versus Visibility

SECTION E Psychrometric Summary and Relative Humidity

The remaining Hourly Summaries must be used with caution and the following values NOT USED: TOTALS, MEANS AND STANDARD DEVIATIONS. (The values are for 0500Z to 1900Z only and not for a 24 hour period).

The nearest most representative station with full time observations is Heidelberg AAF DL, and we recommend that all users or parties interested in Coleman AAF, DL obtain a copy of Heidelberg AAF DL. Contact USAFETAC/DO, Stop 825, Scott AFB IL 62225 with your requirements.

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.

USAFETAC

LIMITED SURFACE OBSERVATIONS  
CLIMATIC SUMMARIES (LISOCs)  
HOURLY OBSERVATIONS

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

SUMMARY OF THE DAY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT  
DATA AVAILABLE\*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER DATA NOT AVAILABLE

\*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES

MAX HIGH AND MIN LOW TEMPERATURES

PSYCHROMETRIC: DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F: STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

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



STATION NO OR SUMMARY 107295	STATION NAME SANDHOFEN GERMANY/COLEMAN AAF	LATITUDE N 49 34	LONGITUDE E 008 28	FIELD ELEV (FT) 309	CALL SIGN EDOR	WMO NUMBER 10729
---------------------------------	---	---------------------	-----------------------	------------------------	-------------------	---------------------

### 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)	MT. BARG.	
1	Coleman AAF Sandhofen Germany	AAF	Aug 59	Apr 61	N 49 34	E 008 28	324	359	11 to 16
2	No Change	AAF	May 61	Oct 65	No Chge	No Chge	No Chge	355	12 to 16
3	No Change	AAF	Nov 65	Dec 70	No Chge	No Chge	334	327	15
4	No Change	AAF	Dec 70	Oct 82	No Chge	No Chge	309	512	8 to 16

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	Aug 59 to Feb 60	Located on top of control tower.	AN/GMP-11	None	50 ft	
2	Mar 60 to Feb 61	Located on top of GCA shack, 400 ft from active runway.	No Chge	None	15 ft	
3	Mar 61 to Apr 61	Located in the control tower.	No Chge	None	60 ft	
4	May 61 to Feb 62	Located on top of control tower.	No chge	None	46 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
5	Mar 62	Located on roof of operations bldg	AN/GMO-1	None	56 ft	
6	Jun 68 to Dec 70	Located 500 ft W of centerline of rnwy 05/23 near midpoint of rnwy.	AN/GMO-1	RO-2	14 ft	
7	Dec 70 to Oct 82	No change.				

## 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 thunderstorms, 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.



CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION: COLEMAN AAF DL STATION NAME: YEARS: 73-81 MONTH: FEB

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	7-22												
	3-11												
	6-8		10.0		5.7		16.2	47.8	6.6			54.4	594
	9-11		10.9		6.9		17.3	37.0	14.0			51.0	736
	12-14		10.8		4.3		14.5	17.5	26.0			43.5	747
	15-17		10.7		2.6		12.4	12.9	26.5			39.4	683
	18-20		11.6		2.3		13.5	18.9	21.9			47.4	725
	1-23												
TOTALS			10.8		4.6		14.8	26.8	19.7			45.3	3281

FEDERAL CLIMATOLOGY BRANCH  
 AF TAC  
 WEATHER SERVICE/MAC

# WEATHER CONDITIONS

72-4 STATION COLEMAN AAF DL 73-81 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
MAR	0-30												
	3-5												
	6-8		10.2		2.2		10.9	73.7	12.2			43.2	676
	9-11		14.6		1.5	.1	15.2	18.6	23.6			42.2	823
	12-14	.1	9.3		.6		9.8	5.6	25.4			11.4	804
	15-17	.1	12.4		.7		11.2	2.3	2.1			12.4	766
	18-20	.2	13.4		.8		14.3	7.2	10.1			21.7	617
	21-23												
TOTALS		.1	12.6		1.2	.	13.4	13.3	19.1			32.4	3699

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION WILMAN AAF CL

73-75

APP

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
1-12													
2-12													
3-12			11.3		1.6		12.2	7.8	20.5			48.2	645
4-12			7.9		1.7		8.2	9.2	29.8			30.1	781
5-17	1-14	.1	9.3		.5	.1	9.6	1.9	18.7			18.0	783
6-17	5-17	1.0	11.6		.5		11.5	.3	10.7			10.9	731
7-17	8-7	.5	11.5				11.5	2.2	8.2			10.4	585
8-17	1-23												
TOTALS		.3	10.3		.7	.1	10.6	8.3	17.2			25.4	3525





CENTRAL CLIMATOLOGY BRANCH  
 AFSTAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION COLEMAN AAF DL YEARS 73-81 MONTH JUN

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	0-22												
	23-29												
	6-79	.6	1.4				10.4	21.5	15.2			36.7	451
	9-11		9.1				9.1	4.5	21.7			76.2	778
	11-14	2.4	9.2			.1	9.3	1.1	1.8			11.4	786
	15-17	2.1	5.5				8.5	1.1	5.6			6.6	731
	18-2	4.9	13.3				10.3	2.9	3.9			6.5	592
	1-23												
TOTALS		2.0	9.5			.	9.5	6.2	11.4			17.6	3538





GENERAL CLIMATOLOGY BRANCH  
 AFSTAC  
 WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

72 GLEMAN AAF DL 73-51 SEP  
 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
	3-32												
	33-36												
	6-13		5.9				5.9	52.9	5.4			63.3	547
	14-16	.4	5.2				5.2	15.3	25.0			44.3	797
	17-14	.6	5.4				5.4	3.4	27.0			37.4	789
	15-17	1.0	6.5				6.5	1.1	17.2			19.3	721
	18-20	.5	13.7				13.7	4.4	17.6			22.0	563
	1-23												
TOTALS		.5	7.3				7.3	16.0	19.7			35.1	3512



FEDERAL CLIMATOLOGY BRANCH  
 AFSS/TAC  
 AF WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION COLEMAN AFB DL YEARS 73-74 MONTH NOV

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
NOV	3-12												
	3-15												
	6-8	.2	12.4		2.4		14.6	39.5	4.4			43.9	590
	9-11		14.6		1.7		16.2	33.3	10.1			47.1	749
	12-14		12.4		2.1		13.5	19.8	15.1			34.9	747
	15-17		10.7		1.6		12.1	16.4	15.9			27.3	584
	17-20		13.9		1.1		11.9	21.5	1.2			31.5	522
	1-23												
TOTALS		.2	12.2		1.8		13.7	26.0	11.1			37.2	3292

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION COLEMAN AAF DL STATION NAME 73-81 YEARS DEC MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	0-1												
	2-3												
	5-8		15.9	.2	4.1		21.0	75.6	3.5			79.1	491
	9-11		14.6	.7	4.7		19.0	73.4	7.9			41.3	686
	12-14		14.1	.0	6.1		18.8	72.3	13.9			74.2	682
	15-17		11.8	.3	4.6		16.1	22.7	12.3			34.3	604
	18-20		14.1		3.6		17.0	24.7	7.5			72.1	389
	1-23												
TOTALS			14.3	.4	4.6		18.4	27.6	9.0			36.6	2852



CENTRAL CLIMATOLOGY BRANCH  
 AF/TAC  
 WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION: WHELMAN AAF DL      YEARS: 73-81      MONTH: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.0	11.3	.0	4.7	.	16.2	73.3	11.9			45.7	3414
FEB			10.7		4.5		14.6	76.8	19.7			45.8	3781
MAR		.1	12.4		1.2	.0	13.4	13.3	19.1			32.4	3699
APR		.3	11.3		.7	.0	10.6	8.3	17.2			25.4	3725
MAY		.9	11.1			.1	10.2	6.5	12.1		.0	19.8	3602
JUN		7.0	11.6			.	9.5	6.2	11.4			17.6	3538
JUL		1.1	11.1				9.1	6.7	12.7			19.7	3525
AUG		.8	8.8				6.8	11.1	17.4			29.3	3607
SEP		.5	7.3				7.3	16.0	19.0			35.1	3512
OCT		.1	12.4			.	12.5	75.6	16.5			47.1	3479
NOV		.7	12.2		1.8		13.7	76.	11.1			37.2	3797
DEC			14.3	.4	4.6		18.4	27.6	9.0			36.6	2857
TOTALS		.5	10.6	.1	1.5	.0	11.9	17.3	14.6		.0	32.7	41326

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: Accord' 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.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

147235  
STATION

COLEMAN AAF DL  
STATION NAME

77-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

600-0800  
HOURS U.S.T.

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	1.7	2.2	1.1	.2								5.4	4.7
NNE	1.6	1.7	.5	.2								3.2	4.4
NE	.9	.2										1.7	2.5
ENE	1.8	.6										2.4	2.7
E	2.6	.8	.3									3.7	2.9
ESE	1.4	.3	.2									1.9	3.1
SE	1.8	1.7	.2	.2								3.0	3.8
SSE	1.9	3.2	.2									5.3	4.2
S	2.6	4.7	8.6	3.2								18.6	7.4
SSW	.7	2.2	3.4	2.4	.2							8.5	6.6
SW	1.0	2.7	1.8	1.0								6.4	6.7
WSW	.3	1.8	2.7	1.1								5.9	8.0
W	.8	.8	1.8	1.0	.3							4.6	8.2
WNW	.7	.3	.8	.2								1.6	6.9
NW	.6	.6	.2	.2								1.6	4.5
NNW	1.3	.8	.5		.2							2.7	4.6
VARBL			.2	1.7		.2						1.6	14.1
CALM												72.6	
	21.7	22.7	22.2	17.7	.6	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

625

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

1 7715 COLEMAN AAF DL 73-81 JAN  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER CLASS 0900-1100  
 HOURS (L & T)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.3	1.3	.1								6.6	4.6
NNE	0.1	1.0	.4									3.5	3.7
NE	.0	.9	.1									1.8	3.2
ENE	.9	.9										1.8	3.5
E	2.6	.8	.5									3.9	3.4
ESE	1.4	.4	.1									1.9	3.1
SE	.5	.4										.9	3.3
SSE	2.1	3.0	1.8									6.9	4.7
S	1.6	4.1	7.3	2.6								15.3	7.7
SSW	.5	3.1	3.9	1.9	.1							9.6	7.8
SW	.4	1.5	1.8	.9								4.7	7.5
WSW	.3	1.7	2.6	1.7								6.2	8.4
W	1.2	1.2	2.1	1.4	.3	.1						6.2	8.2
WNW	.6	1.0	1.2									2.8	5.8
NW	1.3	.6	.3									2.2	3.6
NNW	1.4	.6	.3	.3								2.6	4.3
VARBL			2.5	1.8								4.3	10.4
CALM												18.8	
	23.6	23.6	25.8	10.8	.4	.1						170.3	5.2

TOTAL NUMBER OF OBSERVATIONS 772

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: COLEMAN AAF DL STATION NAME: 77-81 YEARS: JAN MONTH: 1900-1900 HOURS (LST): ALL WEATHER CLASS: CONDITION:

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.4	4.8	.7	.3								0.2	3.9
NNE	1.2	2.2	.6									4.2	4.5
NE	.9	.5	.4									1.8	4.2
ENE	1.4	.7	.1									2.2	3.4
E	1.4	.5	.4									2.1	3.8
ESE	.5	.3										.8	2.7
SE	1.7	.9	.1									2.1	3.8
SSE	1.7	2.3	.8									4.4	4.7
S	1.7	4.6	4.9	2.6								13.4	7.5
SSW	1.3	2.2	2.3	2.2								8.1	7.5
SW	.5	2.2	2.5	1.0								6.2	7.5
WSW	.8	3.2	3.6	1.3								9.0	7.3
W	1.0	.2	2.3	2.7	.4							6.6	9.1
WNW	1.7	.2	.3	.3								2.7	5.0
NW	1.2	.9	.7	.4								3.7	5.5
NNW	1.7	.7	.8	.4								3.5	5.2
VARBL			3.5	3.9	.8							9.2	11.7
CALM												10.9	
	21.4	28.0	24.2	14.3	1.2							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 768

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 7285 COLEMAN AAF DL 77-81 JAN  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER CLASS 1500-1700  
 CONDITION HOURS (LST)

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	4.2	1.1									6.7	4.0
NNE	.8	1.2	1.0									2.9	5.1
NE	.5	1.1	.3									2.1	4.5
ENE	1.7	.6	.4									2.7	3.3
E	.8	1.3										2.1	3.9
ESE	.3	.4	.1									1.4	3.6
SE	.8	1.5										2.4	3.9
SSE	1.7	2.5	1.1									5.3	4.6
S	1.3	3.2	5.3	1.8								11.7	7.5
SSW	.9	1.3	2.7	2.5								7.3	8.9
SW	.7	1.5	2.8	1.1								5.8	8.1
WSW	1.1	2.2	3.1	1.8	.3	.1						9.3	8.0
W	1.4	2.3	3.5	1.3								8.4	7.3
WNW	.6	.5	.7	.3								2.1	6.3
NW	2.1	.5	.7	.3								3.7	4.7
NNW	2.8	1.1	1.0	.4								5.2	4.5
VARBL			1.4	2.4	.4	.1						6.3	11.2
CALM												12.3	
	21.1	25.2	27.3	12.0	.7	.3						170.0	5.7

TOTAL NUMBER OF OBSERVATIONS 711

2  
\*  
F

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 1975 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS MONTH JAN 1800-2000 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	3.0	1.5	.2									3.7	3.6
NNE	.5	1.5	.0									3.0	5.5
NE	1.9	.2	.2									3.0	3.2
ENE	1.9	.5										2.4	2.5
E	3.2	.0	.2									4.3	3.0
ESE	1.5	.4	.4									2.2	3.3
SE	.5	1.5										2.4	3.9
SSE	2.2	2.9	.2	.2								5.4	4.2
S	1.5	3.2	6.7	1.9	.2							13.4	7.8
SSW	1.1	1.3	3.5	3.0	.2							9.1	6.9
SW	1.1	3.9	1.9	1.1	.2							8.2	6.6
WSW	.7	3.0	2.6	1.7	.2							8.0	7.1
W	.5	1.7	2.8	1.1	.2							6.3	6.2
WNW	.4	.4	.7	.2								1.7	7.0
NW		.5	.2									.7	6.3
NNW	1.3	1.5	.4									3.2	3.9
VARBL			1.5	2.0	.2		.7					3.9	12.2
CALM												19.0	
	27.9	25.5	22.3	11.2	.9		.2					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 537

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 117235 STATION NAME COLEMAN AAF DL YEARS 73-81 MONTH JAN  
 STATION            STATION NAME            YEARS            MONTH         
 CLASS ALL WEATHER CLASS            MONTH         
 CONDITION            MONTH       

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	3.1	.9	.1								7.2	4.2
NNE	1.7	1.3	.7	.0								7.4	4.5
NE	1.7	.7	.2									1.9	3.6
ENE	1.5	.7	.1									2.3	3.1
E	2.1	.9	.3									3.3	3.4
ESE	1.1	.4	.1									1.6	3.2
SE	1.0	1.7	.1	.0								2.1	3.9
SSE	1.9	2.2	.9	.0								5.5	4.5
S	1.5	3.9	6.4	2.4	.0							14.4	7.6
SSW	.5	2.1	3.1	2.4	.1							6.5	8.3
SW	.6	2.3	2.2	1.7	.0							6.1	7.3
WSW	.5	2.5	3.7	1.5	.1	.0						7.7	7.7
W	1.0	1.3	2.5	1.4	.2	.0						6.5	8.2
WNW	.7	.7	.7	.2								2.3	6.0
NW	1.1	.6	.4	.2								2.3	4.8
NNW	1.7	.7	.6	.2	.0							3.5	4.6
VARBL			2.3	2.3	.3	.1	.0					5.0	11.6
CALM												16.5	
	21.0	25.2	24.6	11.9	.8	.1	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 3413



2  
 GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1978-79 STATION COLEMAN AAF DL 73-81 YEARS FEB MONTH  
 ALL WEATHER CLASS 1630-2800 HOURS (LST) MONTH  
 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	4.4	2.6	.3	.5								7.7	3.7
NNE	2.9	3.4	.8	.5								7.6	4.7
NE	2.4	2.4	.5									5.2	3.9
ENE	3.6	.6										4.0	2.4
E	3.2	1.2	.7									4.7	3.4
ESE	.8	.6										1.3	2.9
SE	.5	.3										.8	2.6
SSE	3.6	2.4	.3									5.2	3.6
S	3.6	4.7	4.0	.5								11.8	5.9
SSW	.5	1.7	3.7	1.7								6.9	8.3
SW	.5	1.7	1.7	.3								4.2	6.3
WSW	1.0	1.2	1.9	1.2								5.2	7.4
W	.9	1.2	.7	1.2	.2							4.2	7.9
WNW	.8	.6	.2	.3								1.9	5.3
NW	.6	.3	.3	.2								1.3	5.8
NNW	1.5	.7	.5	.3								2.7	4.5
VARBL			.5	.5								1.2	11.0
CALM												4.2	
	23.1	24.7	15.5	7.2	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 594

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

1 77-5 STATION COLEMAN AAF DL 77-81 YEARS FEB MONTH  
1900-1100  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.6	5.4	1.9	.5								13.5	4.4
NNE	3.3	2.4	1.9	.5								8.2	5.1
NE	1.9	1.9	1.4	.1								5.2	4.9
ENE	1.1	1.9	.4	.3								3.7	5.1
E	1.1	1.5	.7	.1								3.4	4.7
ESE		.4										.4	4.7
SE	.7	.5										1.2	3.0
SSE	.8	2.4	.7									3.9	4.9
S	1.0	5.6	4.1	2.0								12.6	7.1
SSW	.5	1.2	1.6	1.6								5.0	6.7
SW	.7	1.2	2.2	.7								4.8	7.1
WSW	.8	.4	1.9	1.1								4.2	6.2
W	1.0	1.9	1.2	1.0								4.9	6.8
WNW	1.4	.7	.4	.1								2.6	4.2
NW	1.4	1.4	.3	.3								3.3	4.4
NNW	2.0	.3	.3	.5								3.1	4.7
VARBL			2.6	1.6								4.2	9.8
CALM												15.9	
	23.1	28.9	21.5	10.6								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

736

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 1 7295 STATION NAME COLEMAN AAF DL YEARS 73-81 MONTH FEB  
 CLASS ALL WEATHER MONTH 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.1	7.4	4.0	.8								17.4	5.1
NNE	2.3	1.6	1.6	.5								5.8	5.3
NE	.6	1.9	.1									2.6	4.5
ENE	.9	1.2	.0	.5								3.6	6.0
E	.7	1.3	1.1									2.7	6.2
ESE	.3	.3	.1									1.2	4.7
SE		.7										.7	4.8
SSE	.4	2.3	.5									3.5	5.2
S	1.5	4.8	3.9	1.1								11.3	6.5
SSW	.7	1.5	2.0	1.3								5.5	8.0
SW	.4	.9	.4	2.0								3.6	9.6
WSW	.7	1.3	1.9	1.6	.3							5.8	8.5
W	1.6	1.6	1.5	1.2	.1							5.9	7.2
WNW	1.9	.8	.5	.4	.1							3.8	5.3
NW	1.5	.5	.4	.1								2.6	3.9
NNW	2.8	2.0	1.2	.5								6.6	4.9
VARBL			5.3	2.6	.4							9.3	10.3
CALM												8.7	
	27.9	37.6	26.6	12.8	.9							170.0	6.7

TOTAL NUMBER OF OBSERVATIONS 743

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 7295 STATION COLEMAN AAF DL 73-81 YEARS FEB MONTH  
 1500-1700 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	5.0	5.3	2.8	.6								13.6	5.0
NNE	1.2	1.6	2.9	1.0								6.7	7.0
NE	.4	1.3	1.5	.1								3.4	6.3
ENE	1.2	.9	1.3									3.4	5.4
E	1.5	1.3	.6	.1								3.5	4.5
ESE	1.2	1.2	.4	.1								2.9	4.9
SE	.3	.7	.1									1.2	4.4
SSE	.7	3.1	.6									4.4	4.7
S	1.2	4.1	2.8	.6								8.6	6.3
SSW	.3	1.6	2.3	1.5								5.7	8.4
SW	.3	1.2	1.7	.9								3.4	8.0
WSW	.0	1.6	1.7	1.3								4.8	7.5
W	1.3	3.5	1.8	1.3	.3							8.2	7.1
WNW	1.6	.9	.4									2.9	3.3
NW	1.8	1.2	.7	.3								4.0	4.5
NNW	2.2	1.9	1.3	.3								5.7	4.8
VARBL			5.7	2.6	.1	.1						8.6	10.3
CALM												8.9	
	21.9	31.3	27.4	10.8	.4	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 683

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7253  
STATION

COLEMAN AAF DL  
STATION NAME

73-81  
YEARS

FEE  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURE (LST)

CONDITION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.1	2.7	1.7	.2								9.5	4.3
NNE	1.9	2.3	1.7	.8								5.9	5.4
NE	1.3	1.5	.4									3.2	4.0
ENE	2.9	1.3	.6									4.8	3.4
E	2.5	1.5	.6									4.6	3.6
ESE	1.7	1.3										2.3	3.5
SE	1.1	1.7										2.0	3.6
SSE	2.0	4.0	.4									7.2	3.8
S	2.3	2.1	2.5	.8								7.6	6.7
SSW	1.0	1.7	1.7	1.3								5.7	7.6
SW	1.3	1.5	1.9	.6								5.3	6.5
WSW	1.5	1.0	2.7	.8								5.9	6.9
W	1.9	1.9	1.5	.6								5.9	5.6
WNW	.5	.4	1.0									1.9	5.7
NW	.8	.4										1.1	3.2
NNW	1.1	.4	.6									2.1	4.0
VARBL			2.3	1.5								3.8	10.4
CALM												20.2	
	27.0	25.7	18.7	6.5								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

525

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAAC

**SURFACE WINDS**

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

USE PREVIOUS EDITIONS  
OF THIS FORM

STATION NAME  
COLEMAN AFB DL

YEARS  
73-81

MONTH  
FEB

CLASS  
ALL WEATHER

ALL

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.0	4.9	2.3	.5								12.7	4.7
NNE	5.3	2.2	1.7	.7								6.9	5.5
NE	1.3	1.3	.8	.1								3.9	4.9
ENE	1.9	1.2	.7	.2								3.8	4.5
E	1.5	1.4	.7	.1								3.7	4.4
ESE	.6	.8	.1	.0								1.6	4.2
SE	.8	.8	.7									1.3	3.6
SSE	1.4	2.7	.5									4.7	4.4
S	1.6	4.4	3.5	1.7								13.5	6.4
SSW	.6	1.5	2.1	1.5								5.7	8.1
SW	.5	1.2	1.4	.9								4.2	7.5
WSW	.9	1.1	1.3	1.2	.1							3.2	7.8
W	1.3	2.1	1.3	1.1	.1							5.8	6.9
WNW	1.3	.7	.5	.2	.7							2.7	4.7
NW	1.2	.9	.4	.2								2.6	4.4
NNW	2.7	1.7	.8	.4								4.2	4.7
VARBL			3.7	1.8	.1	.7						5.6	10.3
CALM												14.9	
	24.0	28.5	22.3	9.9	.3	.7						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 3281

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

STATION: 1 72 75      STATION NAME: COLEMAN AAF DL      YEARS: 73-81      MONTH: MAR

CLASS: ALL WEATHER      MONTH: 0600-0800

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	4.1	3.4	.4								11.1	5.4
NNE	1.8	2.1	1.0	.4								5.3	5.1
NE	.6	.7	.7									2.1	5.4
ENE	.7	.6	.6									1.9	4.7
E	2.5	.1	.3	.1								2.1	3.4
ESE	.6	.1										.7	2.6
SE	.9	.4	.1									1.5	3.7
SSE	.9	3.7	.7									5.3	4.8
S	7.1	4.1	6.1	1.2								13.5	6.7
SSW	.4	2.1	3.3	.7	.3							6.8	8.1
SW	.9	1.8	2.4	.1								5.2	6.4
WSW	1.7	2.1	2.1	.6								5.8	6.5
W	1.5	1.3	1.9	.9	.1							5.8	6.7
WNW	.9	.7	.6	.3								2.5	5.8
NW	1.2	.3	.3	.1								1.9	4.2
NNW	1.7	.6	.7									2.4	4.4
VARBL		.1	1.3	1.2	.3							3.0	11.5
CALM												23.2	
	19.1	25.1	25.6	6.2	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

STATION 17295 STATION NAME COLEMAN AAF DL YEARS 73-81 MAP NORTH 0900-1100  
 HOURS (LST) 0900-1100  
 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	4.4	5.1	3.5	.5								13.5	5.1
NNE	1.7	2.9	1.7	.5								6.3	6.1
NE	.6	1.7	.4	.1								3.1	4.9
ENE	1.1	.5	.7	.1								2.4	5.1
E	.5	.2	.2	.1								1.1	5.4
ESE		.1	.1									.2	7.0
SE	.5	.2										.7	3.2
SSE	1.5	2.9	.7									5.1	4.7
S	1.7	5.1	5.6	1.9								14.3	7.0
SSW	.5	1.8	2.1	1.9	.1							6.4	8.5
SW	.9	.5	1.9	1.1								4.4	8.2
WSW	.6	1.9	3.7	1.1	.4							7.1	8.2
W	1.0	2.8	2.6	2.1	.2							8.6	8.2
WNW	1.8	.9	1.3	.5	.2							4.7	6.5
NW	1.6	.5	.4	.1								2.6	4.1
NNW	1.6	1.3	1.3	.4								4.6	5.4
VARBL		.1	3.4	2.7	.7							6.9	11.1
CALM												9.1	
	19.0	28.0	29.1	13.1	1.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 822



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

17249 STATION COLEMAN AAF DL 73-81 YEARS MONTH MAR  
 1200-1400  
 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	1.3	4.0	2.1	1.1								8.6	6.2
NNE	1.1	1.3	1.5	.4								4.3	6.0
NE	.6	1.0	.5									2.1	5.1
ENE		1.3	.9	.4								2.6	7.6
E	.9	.9	.4	.2								2.3	5.1
ESE	.5	.4	.1									1.0	3.6
SE	.2	.7										1.1	4.4
SSE	.7	1.6	1.3									3.7	5.6
S	1.6	3.7	3.4	1.5								10.1	6.7
SSW	.7	1.8	2.3	1.2	.1							6.2	8.1
SW	.5	1.3	1.3	2.2	.6							6.0	10.1
WSW	1.0	1.3	2.6	1.6	.2	.2						7.0	8.7
W	2.2	2.9	3.2	2.1	.1	.2						13.8	7.9
WNW	.9	1.2	1.2	1.1	.1	.1						4.6	8.3
NW	1.1	1.3	1.1	.2								4.3	5.7
NNW	2.1	2.6	1.1	.4								6.1	4.9
VARBL		.2	10.1	4.8	.4							15.5	10.0
CALM												3.8	
	15.4	28.4	33.1	17.1	1.6	.6						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC WEATHER SERVICE/MAC

# SURFACE WINDS

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

1973-75 STATION COLEMAN AAF DL STATION NAME YEARS 73-81

ALL WEATHER CLASS MONTH 1500-1700 HOURS (LST) CONDITION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.8	2.4	2.1	.9								8.3	5.7
NNE	1.2	1.1	1.9	.5								4.6	6.5
NE	.5	1.1	.5	.1								2.2	5.4
ENE	1.1	.9	1.2	.1								3.3	5.7
E	1.2	1.1	1.5									3.7	5.3
ESE	.7	.7	.4									1.7	4.2
SE	.4	.7										1.1	3.9
SSE	.9	1.3	.5	.1								2.9	5.0
S	1.1	2.4	4.0	.4								8.2	6.9
SSW	.5	1.3	2.5	1.3	.1							5.8	8.4
SW	.7	.8	2.2	2.4								6.1	9.3
WSW	1.3	1.2	2.5	1.6	.4							7.0	8.4
W	1.5	2.8	2.8	2.0	.1	.1						9.3	7.6
WNW	.8	2.1	1.3	.9	.1							5.3	7.0
NW	2.1	1.6	1.3	.1								3.2	4.7
NNW	1.6	2.5	1.5	.4								6.2	5.6
VARBL		.3	7.7	5.4	.8	.3						14.4	11.0
CALM												4.9	
	13.4	24.5	33.9	16.4	1.6	.4						100.3	7.0

TOTAL NUMBER OF OBSERVATIONS 756

2  
 FEDERAL METEOROLOGICAL SERVICE  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 17075 STATION NAME COLEMAN AAF DL YEARS 73-81 MONTH MAR  
 CLASS ALL WEATHER MONTH 1977-2000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.6	2.1	.7								7.2	5.7
NNE	1.7	2.0	1.6	.3								6.9	4.7
NE	1.1	1.2	.5	.2								3.6	5.2
ENE	1.8	1.3	1.5	.2								4.9	5.2
E	1.2	1.2	1.1	.2								4.4	5.1
ESE	1.5	1.0	.7									2.5	3.5
SE	1.1	2.0	.3									3.4	4.2
SSE	1.0	.3	.8									2.1	4.9
S	1.0	2.6	3.3	.7								7.5	6.6
SSW	.3	1.2	4.3	1.6								8.7	8.6
SW	.0	1.6	2.0	1.1								5.6	7.6
WSW	1.5	3.4	2.3	1.7	.2							9.4	6.7
W	1.5	1.6	1.3	2.5								6.9	7.7
WNW	2.3	1.2	1.0	.3								5.4	4.7
NW	1.2	.7	1.3	.7								4.4	5.9
NNW	1.6	1.9	.2									3.6	3.8
VARBL			2.0	1.5	.7							3.6	11.0
CALM												11.5	
TOTAL	24.2	26.7	25.6	11.0	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 610

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 77-81 STATION NAME: COLEMAN AAF DL YEARS: 77-81 MAC MONTH: ALL  
 CLASS: ALL WEATHER  
 CONDITION: \_\_\_\_\_

SPEED (KNOTS) D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	3.6	0.7	.7								9.9	5.6
NNE	1.0	1.9	1.5	.4								5.4	5.7
NE	.7	1.1	.5	.1								2.4	5.1
ENE	.0	.9	1.0	.2								2.9	5.7
E	1.1	.7	.7	.1								2.6	4.9
ESE	.5	.4	.1	.0								1.2	3.0
SE	.6	.8	.1									1.5	4.0
SSE	1.0	2.0	.8	.0								3.9	5.0
S	1.4	3.7	4.5	1.2								17.8	6.8
SSW	.0	1.3	2.8	1.4	.1							6.6	8.3
SW	.0	1.2	2.9	1.4	.1							5.4	8.5
WSW	1.1	1.9	2.5	1.2	.2	.1						7.0	7.8
W	1.5	2.4	2.4	1.9	.1	.1						8.4	7.7
WNW	1.7	1.3	1.1	.7	.1	.0						4.5	6.6
NW	1.5	1.7	.9	.2								3.7	5.1
NNW	1.6	1.8	1.2	.2								4.6	5.0
VARBL		.2	5.2	3.2	.5	.1						9.1	10.7
CALM												10.0	
	19.1	26.6	29.7	13.1	1.2	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 7682

2  
 FEDERAL BUREAU OF SURVEY  
 CLIMATE DIVISION  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 177045 COLEMAN AAF DL STATION NAME: COLEMAN AAF DL YEARS: 77-81 MONTH: APR  
 CLASS: ALL WEATHER MONTH: 0600-1800  
 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	5.2	5.4	4.5	.9								15.7	5.5
NNE	1.4	3.4	4.7	.3								11.2	5.4
NE	.3	.5	1.9	.3								3.6	6.4
ENE	.8	.5	.2									1.6	3.6
E	.6	.2										1.1	2.1
ESE	.4											.3	2.0
SE	.4	.3										.6	3.0
SSE	.9	.3		.2								1.9	4.2
S	1.2	2.0	2.3	.5								6.8	6.3
SSW	.7	1.1	2.3	.8								4.3	8.3
SW	.0	1.7	1.1	.3								3.9	5.9
WSW	.6	2.3	1.9	.2								5.0	6.0
W	1.1	.8	1.6	.5								3.9	6.4
WNW	.6	.9	.6	.3								2.5	5.9
NW	1.1	1.4	1.6									4.7	5.3
NNW	3.1	2.1	.6	.2								5.9	3.8
VARBL			1.2	.8								2.0	10.8
CALM												24.8	
	22.2	24.2	23.7	5.1								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 645

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 100005 COLEMAN AAF DL STATION NUMBER 73-81 YEARS 1900-1100 MONTH ALL WEATHER  
 CLASS ALL WEATHER MONTH 1900-1100  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	6.4	3.6	1.9	.1							17.5	5.7
NNE	2.4	1.4	2.7	.9								7.2	5.7
NE	.6	.9	1.4	1.3								4.5	7.7
ENE	1.0	1.2	.6	.4	.1							3.3	6.3
E	.8	.9	.4	.1								2.2	4.6
ESE	.1	.1										.3	3.5
SE	.1	.4										.5	4.0
SSE	.5	1.7	.3	.1								2.8	5.0
S	.4	1.2	2.3	.4								4.2	7.2
SSW	.5	.9	1.8	.9								4.1	7.8
SW	.6	1.7	1.8	.9								4.4	7.8
WSW	.4	1.2	2.3	.6								4.5	7.8
W	1.7	1.7	2.3	1.4								6.4	7.1
WNW	1.7	.5	1.7	.6								3.5	6.3
NW	1.7	1.9	1.2	.6								5.4	5.8
NNW	1.5	3.1	2.7	.6								7.9	6.3
VARBL		.1	8.1	4.7	.4							13.3	10.1
CALM												9.1	
	17.7	24.2	31.8	15.6	.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 781

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7245 STATION SOLEMAN AAF DL YEARS 73-81 APP MONTH 1233-1401  
 STATION NAME CLASS ALL WEATHER HOURS (LST)  
 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	0.7	4.7	3.6	1.0								11.4	6.2
NNE	1.0	1.7	2.0	.8								5.5	6.8
NE	.6	1.3	.9	1.3	.1							4.2	8.7
ENE	.6	.8	.5	.3								2.2	6.7
E	.8	1.5	.3									2.6	4.7
ESE	.7	.5	.3									1.7	4.6
SE	.4	.3										.6	4.0
SSE	.8	.9	.1									1.9	4.0
S	1.7	2.0	1.5	.1								4.7	5.8
SSW	.6	1.1	.4	.6	.1							2.9	6.9
SW	1.0	1.0	1.3	.4								3.7	6.2
WSW	.5	1.3	1.5	.6	.1	.1						4.2	7.9
W	1.7	2.4	3.2	1.5								8.8	7.3
WNW	1.3	1.3	.8	1.4								4.7	6.8
NW	1.0	1.7	.6	.4	.3							4.0	6.4
NNW	1.5	3.1	2.3	.8								7.7	6.5
VARBL		.4	14.6	9.1	1.5	.1						25.7	10.6
CALM												4.3	
	15.2	25.9	33.8	18.3	2.2	.3						170.0	7.3

TOTAL NUMBER OF OBSERVATIONS 783

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

STATION: 7296 COLEMAN AAF DL YEARS: 73-81 MONTH: APR  
 STATION NAME: COLEMAN AAF DL CLASS: ALL WEATHER NORTH: 1500-1700  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.1	4.0	1.1								8.9	6.9
NNE	.9	2.1	1.8	1.2								5.9	7.7
NE	1.0	1.5	1.2	.5	.4							4.7	7.4
ENE	1.2	1.6	1.0	1.4								5.2	7.1
E	1.6	1.5	.4	.3								3.8	5.0
ESE	.3	1.0	.4									1.6	5.0
SE	.4	1.0	.4									1.8	4.6
SSE	1.1	.5										1.5	3.4
S	1.0	1.0	.5	.3								2.7	5.3
SSW	.7	1.5	1.4	.4	.1							4.1	7.5
SW	.5	.8	1.0	.4	.1							2.9	7.2
WSW	.7	1.6	1.4	1.0								4.7	7.4
W	2.1	1.8	2.9	1.9		.1						8.8	7.6
WNW	1.1	1.9	1.2	.8	.1							5.1	6.9
NW	.7	1.9	1.1	1.1	.1							4.9	7.6
NNW	1.2	2.9	2.5	1.1								7.7	6.8
VARBL		.3	11.9	8.2	.7							21.1	10.6
CALM												4.7	
	16.0	24.8	33.0	19.7	1.6	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 730



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7295      COLEMAN AAF DL      73-81      APP  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1800-2000  
CLASS      HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.8	2.9	1.2								10.6	6.3
NNE	1.2	2.4	2.7	.5								6.8	6.6
NE	.5	2.9	1.5	1.0								6.0	7.1
ENE	2.5	1.9	1.7	.5								6.7	5.5
E	1.9	2.1	.9	.5								5.3	5.1
ESE	2.1	1.5										3.6	3.5
SE	1.4	1.7	.5									2.9	4.0
SSE	.5	.5	.2	.2								1.4	5.4
S	.3	.7	2.1	1.0								4.1	8.0
SSW	.9	1.4	1.4	.5	.2							4.3	6.9
SW	.2	1.4	.9	.3	.2							2.9	7.6
WSW	1.9	2.2	1.2	.5								5.8	5.9
W	1.9	1.2	2.2	1.0								6.3	6.6
WNW	1.9	1.9	1.0	.3								5.1	5.4
NW	1.5	1.9	1.5	1.0								6.0	6.4
NNW	1.9	1.7	2.7	.9								7.2	6.5
VARBL			3.4	.9	.3							4.6	10.4
CALM												10.4	
	22.2	29.4	26.8	10.4	.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS      585

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE THIS FORM FOR  
 ALL WEATHER

1972-75 STATION NAME COLEMAN AAF DL YEARS 73-81 MONTH APR  
 STATION CLASS ALL WEATHER CLASS ALL MONTHS (L & F.)  
 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	4.7	3.7	1.2	.0							13.1	6.0
NNE	1.8	2.2	2.5	.8								7.2	6.3
NE	.5	1.4	1.4	.9	.1							4.5	7.4
ENE	1.2	1.2	.9	.5	.0							3.7	6.0
E	1.2	1.2	.4	.2								2.9	4.7
ESE	.5	.5	.1									1.3	4.0
SE	.6	.6	.2									1.2	4.1
SSE	.8	.9	.1	.1								1.9	4.4
S	.6	1.5	1.7	.4								4.5	6.5
SSW	.6	1.2	1.4	.7	.1							3.9	7.5
SW	.7	1.2	1.2	.5	.1							3.6	6.9
WSW	.8	1.7	1.7	.6	.0	.0						4.8	7.7
W	1.7	1.5	2.5	1.3		.0						7.3	7.1
WNW	1.2	1.7	.9	.7	.0							4.2	6.3
NW	1.2	1.8	1.2	.6	.1							4.8	6.3
NNW	1.8	2.6	2.2	.7								7.3	6.1
VARBL		.2	8.3	5.1	.6	.0						14.2	17.5
CALM												10.0	
	13.8	25.6	37.2	14.3	1.1	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 3524

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7395      COLEMAN AAF DL      73-81      MAY

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0600-1800

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	6.0	5.4	2.1	.3								13.9	4.3
NNE	3.3	2.7	1.7	.2								6.9	4.8
NE	1.7	1.7	.3	.2								3.9	4.2
ENE	1.1	1.4	1.1									3.5	4.9
E	2.1	.8	.8	.2								3.3	4.5
ESE	.5	.6										1.2	3.5
SE	.6	.5										1.1	3.3
SSE	2.3	.8	.8									3.8	3.8
S	1.1	2.7	3.5	.5								7.8	6.4
SSW	.5	1.5	2.7	.3								4.2	6.5
SW	.9	.9	.8	.2								2.6	5.4
WSW	1.7	1.1	1.4	.3								4.4	5.6
W	3.1	3.2	2.6	.3								8.1	5.3
WNW	1.4	.2	.5									2.0	3.8
NW	1.7	.5	.8	.2								3.0	4.3
NNW	3.3	2.3	.9	.5								6.9	4.3
VARBL			3.2	.6								3.8	9.7
CALM												19.3	
	29.1	26.1	22.7	3.5								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS      663

GENERAL CLIMATOLOGY BRANCH  
 WFFS ETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 7743 STATION NAME COLEMAN AAF DL YEARS 73-81 MONTH MAY  
 CLASS ALL WEATHER MONTH 1900-1100  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	5.5	1.9	1.0								12.1	5.2
NNE	2.5	2.4	2.1	.2								7.2	5.1
NE	.7	1.2	.2									2.2	4.2
ENE	.4	2.1	.9	.5								3.7	6.3
E	.7	1.5	1.2	.4								3.9	6.5
ESE	.5	.2	.1									.9	3.9
SE	.1	.5										.6	4.4
SSE	.7	1.2	.2									2.4	3.9
S	3.2	4.1	2.9	.1								9.3	5.5
SSW	1.0	1.4	1.7	.1								4.2	5.9
SW	.9	1.4	.7	.1								3.1	5.7
WSW	1.1	1.7	1.4	.5								4.7	6.0
W	2.5	2.7	2.4	.6								8.2	5.9
WNW	1.6	1.1	.6									3.4	4.4
NW	2.5	.9	1.0	.4								4.7	4.9
NNW	3.4	3.2	.6	.1								7.3	4.3
VARBL		.5	12.6	3.9	.1							17.1	9.3
CALM												4.9	
	24.8	31.6	30.6	8.0	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 873

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7240 STATION COLEMAN AAF DL 73-81 YEARS MAY MONTH  
 STATION NAME CLASS ALL WEATHER 1200-1400 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	3.7	1.5	.4								7.6	5.3
NNE	1.1	2.2	1.2	.4								5.5	5.7
NE	1.1	1.4	1.5	.1								4.1	5.5
ENE	1.1	2.7	1.0	.2								4.4	5.2
E	1.1	1.4	1.6	.5								4.6	6.3
ESE	.4	.9	.4									1.6	4.8
SE	.5	.7	.1									1.4	4.0
SSE	.5	.7	.6	.1								2.3	6.0
S	1.0	3.1	2.2	.4								6.7	6.1
SSW	1.0	1.7	1.5	.7								5.3	6.4
SW	.2	.7	1.0	.7								2.7	8.1
WSW	1.2	1.4	2.1	.1								4.9	6.1
W	1.9	2.5	1.4	.5								6.2	5.4
WNW	1.0	2.1	1.2	.6								5.0	6.2
NW	1.6	.9	1.0	.1								3.6	4.9
NNW	1.4	3.1	.7									5.2	4.9
VARBL		1.1	19.2	8.0								28.3	9.4
CALM												1.7	
	17.2	29.8	38.4	13.0								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 903

2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1973 STATION COLEMAN AAF DL YEARS 73-81 MONTH MAY  
 1500-1700 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	3.2	3.5	2.4	.8								10.1	5.6
NNE	.7	2.3	.8	.1								3.9	5.3
NE	.5	1.3	.9	.3								3.1	6.2
ENE	.7	2.3	1.6	.5								5.1	6.6
E	3.1	2.7	1.2	.8								6.2	5.8
ESE	.4	.5	.4									1.3	5.3
SE	.5	.1	.3									.9	4.7
SSE	.5	1.9	.7									3.1	5.0
S	1.6	2.3	.9	.5								5.4	5.2
SSW	.4	2.3	2.9			.1						5.8	7.7
SW		.0	2.0	.5								3.5	8.2
WSW	.5	1.2	2.1	1.1								5.0	7.7
W	1.5	1.9	2.1	.5								6.0	6.2
WNW	.7	1.3	1.7	.8								4.6	7.6
NW	.4	2.7	.9		.3							3.6	6.3
NNW	1.3	2.5	2.3	.3								6.4	6.7
VARBL		.7	15.4	7.0	.3							23.3	9.7
CALM												2.8	
	15.1	29.2	38.9	13.3	.5	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 746

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 17245 COLEMAN AAF DL YEAR: 73-81 MONTH: MAY  
 STATION NAME: \_\_\_\_\_ CLASS: ALL WEATHER MONTH: 1900-2000  
 \_\_\_\_\_ CONDITION: \_\_\_\_\_  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.0	1.7	.3								9.7	4.8
NNE	1.7	.9	.5	.2								2.6	5.1
NE	.9	1.7	.5	.2								2.7	5.2
ENE	1.7	3.1	2.7	.5								7.3	5.6
E	2.7	3.7	2.7	.2								9.4	5.1
ESE	1.7	1.5										3.2	3.6
SE	2.7	2.2	.3									4.6	3.8
SSE	.9	1.9										2.7	4.2
S	1.4	1.5	1.4									4.3	5.3
SSW	.9	1.4	1.9	.7								4.1	7.5
SW	.2	1.7	1.4	.5								3.7	6.9
WSW	.3	2.2	2.2	1.0								5.8	7.7
W	1.2	1.9	2.6	.5	.2							6.3	6.7
WNW	2.0	2.9	2.6	.5								8.0	6.0
NW	.7	1.5	1.0									3.2	5.7
NNW	1.7	2.7	1.5	.7								6.6	5.9
VARBL			4.6	2.2								6.8	9.8
CALM												9.5	
	21.6	34.2	26.9	7.5	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 587

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE LIGHT PENCIL  
SEE INSTRUCTIONS

17295  
STATION

COLEMAN AAF DL  
STATION NAME

73-81  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	4.4	1.9	.6								10.5	5.0
NNE	1.5	2.2	1.3	.2								5.2	5.2
NE	1.7	1.4	.7	.1								3.2	5.1
ENE	.9	2.1	1.3	.4								4.7	5.8
E	1.7	1.8	1.5	.4								5.4	5.6
ESE	.7	.7	.2									1.6	4.2
SE	.7	.7	.1									1.6	3.9
SSE	1.0	1.3	.5	.0								2.7	4.5
S	1.5	2.9	2.2	.3								6.8	5.7
SSW	.6	1.7	2.7	.4		.7						4.7	6.6
SW	.4	1.1	1.2	.4								3.1	7.0
WSW	1.0	1.5	1.8	.6								4.9	6.6
W	1.9	2.4	2.2	.5	.0							7.0	5.8
WNW	1.3	1.5	1.3	.4								4.5	5.9
NW	1.4	1.1	.9	.1	.1							3.7	5.2
NNW	2.2	2.8	1.2	.3								6.5	5.0
VARBL		.5	11.6	4.6	.1							16.7	9.5
CALM												7.2	
	21.4	30.1	31.9	9.3	.2	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

3602



2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

100000      COLEMAN AAF DL      73-81      JUN

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0600-1800

CLASS      HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.4	3.1	2.2	.3								17.8	4.3
NNE	2.6	3.2	1.5									7.4	4.8
NE	1.4	.9	.2									2.3	3.4
ENE	.9											.9	1.7
E	1.4	.7										1.5	2.3
ESE	.6	.2										.6	2.5
SE	.9	.7	.2									1.2	2.9
SSE	1.8	1.4	.2									3.4	3.5
S	2.7	4.6	1.8									8.4	5.0
SSW	.9	2.8	1.1	.2								4.9	5.5
SW	.8	2.7	1.1	.3								4.3	5.8
WSW	1.4	2.5	1.8	.2								5.8	5.4
W	2.6	1.8	.9	.5								5.8	4.4
WNW	2.5	1.5	.5	.2								4.6	3.8
NW	1.8	1.2	.3	.2								3.5	4.1
NNW	2.8	2.7	.8									5.5	3.6
VARBL			3.1	1.5								4.6	10.0
CALM												17.2	
	31.6	32.4	15.5	3.2								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 651

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

17049 STATION SOLEMAN AAF DL STATION NAME 77-81 YEARS JUN MONTH  
ALL WEATHER CLASS 3900-1100 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	7.1	3.3	.1								16.2	4.7
NNE	1.9	3.2	1.7	.1								6.3	4.6
NE	.4	.9	.1									1.4	4.6
ENE	.5	.8	.1	.1								1.5	4.8
E	1.7	.6										1.9	3.1
ESE	.6											.6	1.6
SE	.7	.3	.1									.6	4.6
SSE	.6	.5	.1									1.3	3.8
S	1.8	4.2	1.8	.3								8.1	5.2
SSW	1.4	2.1	1.7	.3								5.4	5.6
SW	1.7	1.7	1.4	.4								4.5	5.5
WSW	.9	2.3	1.8	.3								5.3	6.1
W	1.9	2.8	1.3	.9								7.5	6.0
WNW	1.5	1.7	.8	.4								4.4	4.9
NW	1.4	2.2	.8									4.4	4.5
NNW	3.9	2.7	1.8	.1								8.5	4.5
VARBL			13.9	3.6	.3							17.7	9.3
CALM												4.4	
	25.8	32.4	30.6	6.6	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 778

2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

### SURFACE WINDS

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

1 7235      COLEMAN AAF DL      73-81      JUN  
 STATION      STATION NAME      YEARS      MONTH  
 ALL WEATHER      1200-1400  
 CLASS      HOUR (LST)  
 CONDITION

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.0	5.9	1.9	.9								10.7	5.8
NNE	1.3	1.5	1.3									4.1	5.1
NE	1.3	1.1	.3									2.7	3.9
ENE	.5	1.1		.1								1.8	4.7
E	.6	1.5	.1									2.3	4.3
ESE	.3	.5	.1	.1								1.3	6.7
SE	.3	.3										1.0	2.9
SSE	.4	.9	.1									1.4	4.5
S	1.3	2.2	.6	.1								4.2	4.9
SSW	.6	1.1	1.1	.4								3.3	6.3
SW	.8	.8	1.7	.6								3.8	7.1
WSW	1.7	2.3	1.8	.3	.1							5.5	6.4
W	2.0	2.7	1.4	.5	.1							6.7	5.4
WNW	1.5	2.4	2.2	.3								6.4	5.8
NW	1.1	1.9	.5	.4								3.9	5.6
NNW	3.1	6.2	1.8	.4								11.2	5.1
VARBL	.3	.1	27.4	5.7	.5							27.0	9.4
CALM												2.8	
	18.8	32.6	35.2	9.8	.9							170.0	6.3

TOTAL NUMBER OF OBSERVATIONS      796

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAG

# SURFACE WINDS

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

STATION: COLEMAN AAF DL STATION NO.: 73-81 YEAR: JUN  
 CLASS: ALL WEATHER MONTH: 1500-1700  
 CONDITION: \_\_\_\_\_  
CLASSE HOURS (L.S.T.)

SPEED (KNOTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
DIR													
N	7.0	5.5	3.6	.4								12.4	5.7
NNE	.1	3.0	1.0	.1								6.2	4.7
NE	.9	7.3	.4									4.5	4.5
ENE	.9	1.5	.4									2.5	5.0
E	1.1	2.6	.5									4.2	4.8
ESE	.7	.4		.1								.8	5.3
SE	.5	.5										1.1	3.0
SSE	.1	.7	.3	.1								1.2	6.7
S	.3	1.9	.7	.4								3.1	6.6
SSW	.5	1.5	.7	.3								3.0	6.0
SW	.5	.8	.7	.1								2.2	5.0
WSW	.7	7.4	2.5	.5								7.1	6.6
W	1.5	3.4	2.7	1.1								8.8	6.6
WNW	1.6	1.6	1.6									4.9	5.2
NW	1.1	2.7	1.4	.3								5.5	5.6
NNW	2.3	2.9	1.6	.3								7.1	5.2
VARBL			16.7	5.7								22.4	9.3
CALM												2.9	
	17.1	35.7	34.7	9.6								103.0	6.3

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 107795      STATION NAME: COLEMAN AAF DL      YEARS: 73-81      MONTH: JUN  
CLASS: ALL WEATHER      HOURS (L.S.T.): 1800-2000  
CONDITION:

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.9	5.7	2.2	.5								13.3	4.8
NNE	1.2	1.9	3.7	.3								6.4	6.3
NE	3.0	1.9	1.4	.2								6.4	4.4
ENE	3.2	2.4	.3									4.9	4.7
E	1.4	1.5	.8	.2								3.9	5.0
ESE	1.2	.5										1.7	3.1
SE	1.4	.3	.2									2.4	3.7
SSE	.8	1.5	.2	.2								2.7	4.7
S	1.4	2.7	1.4	.2								5.1	5.2
SSW	.5	.8	.8	.2								2.4	5.8
SW	.5	.8	1.2	.2								2.7	6.3
WSW	1.5	2.6	3.0	.3								7.8	6.0
W	1.7	4.2	3.0	.2								9.1	5.7
WNW	.8	1.5	1.2	.2								3.7	5.8
NW	2.2	2.7	.2									4.4	3.7
NNW	1.9	1.7	.7									4.2	4.3
VARBL			6.8	2.2								9.0	9.4
CALM												10.0	
	25.5	32.4	26.4	4.7								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 592

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE INSTEAD OF  
 SEE FORM 10-61

107205      COLEMAN AAF DL      73-81      JUN

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      ALL

CLASS      HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	6.4	2.7	.5								14.0	5.0
NNE	1.8	2.6	1.5	.1								6.3	5.2
NE	1.3	1.6	.4	.7								3.3	4.2
ENE	.9	1.1	.2	.1								2.2	4.3
E	1.1	1.3	.3	.7								2.7	4.3
ESE	.5	.4	.7	.1								1.0	4.0
SE	.7	.4	.1									1.2	3.4
SSE	.7	1.0	.2	.1								1.9	4.4
S	1.3	3.7	1.2	.2								5.8	5.2
SSW	.8	1.7	1.1	.3								3.8	5.8
SW	.9	1.1	1.2	.3								3.5	6.1
WSW	1.1	2.7	2.1	.3	.0							6.2	6.1
W	2.0	3.0	2.0	.7	.0							7.5	5.7
WNW	1.6	1.8	1.3	.2								4.9	5.1
NW	1.5	2.0	.7	.2								4.4	4.7
NNW	2.8	3.2	1.4	.2								7.5	4.7
VARBL	.1	.0	12.7	3.9	.2							16.9	9.4
CALM												7.0	
	23.7	33.1	29.0	7.0	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS      3538

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION COLEMAN AAF DL YEARS 73-81 MONTH JUL  
 CLASS ALL WEATHER HOURS (L S T) 0600-0800  
 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	7.0	3.8	1.3	.3								12.3	3.7
NNE	2.5	1.9	.9	.2								5.5	4.4
NE	.9	.5										1.4	3.3
ENE	.3	.5										.8	3.6
E	.2	.2	.2									1.1	2.9
ESE	1.1	.2										1.3	2.1
SE	.6	.5										1.3	3.3
SSE	2.8	1.1	.2									4.1	3.1
S	1.1	3.6	2.0									6.7	5.4
SSW	.8	2.5	1.7	.5								5.5	6.3
SW	.6	3.0	1.4									5.0	5.3
WSW	1.1	3.3	3.3	.2								7.8	5.9
W	2.3	2.3	2.0	.2								6.9	5.0
WNW	1.4	1.7	.3									3.4	4.3
NW	2.0	.9	.3	.2								3.4	3.9
NNW	3.0	1.6										4.5	3.0
VARBL			2.8	.5								3.3	9.1
CALM												25.8	
	23.4	27.5	15.4	1.9								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 647

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

1 7275      COLEMAN AAF DL      73-81      JUL  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      0900-1100  
CLASS      HOUR (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	6.1	2.2	.3								12.4	4.6
NNE	1.7	1.1	.9	.4	.1							4.2	5.5
NE	.8	.5	.3									1.5	3.8
ENE	1.1	.2										2.0	3.8
E	.6	1.0										1.7	3.8
ESE	.5	.3	.1									.9	3.0
SE	1.1	.6	.3									2.0	3.9
SSE	1.0	.9	.3									2.2	4.1
S	.2	4.7	1.8	.3								9.2	4.8
SSW	1.1	1.5	2.3	.6								5.6	6.5
SW	1.7	2.4	1.1	.1								5.4	5.0
WSW	1.8	4.1	2.3	.4								8.5	5.5
W	1.8	3.6	3.7	1.5								10.6	6.8
WNW	.6	1.4	.9	.1								3.1	5.5
NW	1.4	1.3	.3	.1								3.1	4.0
NNW	2.4	3.4	.8									6.6	4.2
VARBL	.3		12.1	2.7	.1							15.2	9.0
CALM												5.9	
	25.0	33.2	29.2	6.5	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS      784



2  
 GLEBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7275      COLEMAN AAF DL      73-81      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1200-1400

CLASS      HOURS (L & T)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	1.9	5.1	1.9	.4								9.3	5.7
NNE	1.9	2.2	.4	.4	.1							5.7	5.2
NE	.4	1.1	.1									1.7	4.4
ENE	.3	.4										1.1	3.1
E	.6	1.3										1.9	4.0
ESE	.4	.4	.3									1.4	4.5
SE	.7	1.3										1.3	4.4
SSE	.6	1.3	.1									2.6	4.5
S	.9	2.3	1.1	.1								4.5	5.3
SSW	1.5	1.7	1.8	.3								5.2	5.8
SW	.4	1.3	1.1	.9								3.7	7.6
WSW	1.5	3.3	2.0	1.1								8.0	6.5
W	1.9	4.1	3.8	1.1								11.0	6.5
WNW	1.9	3.3	1.1	.4	.1							6.9	5.5
NW	.9	2.7	.9									3.8	5.1
NNW	2.7	2.9	1.0	.5								6.5	5.1
VARBL	.1		18.4	5.5	.3							24.3	9.3
CALM												1.8	
	18.1	34.6	34.2	10.7	.5							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 783

2  
 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: COLEMAN AAF DL STATION NAME: YEARS: 73-81 MONTH: JUL  
 CLASS: ALL WEATHER MONTH: 1500-1700  
 CONDITION:

SPEED (KNTS DIR.)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.6	2.0	.3								9.2	5.3
NNE	1.6	2.2	1.1									5.6	4.8
NE	1.2	.8	.3									2.3	4.1
ENE	1.2	1.6	.1									3.0	4.0
E	1.0	2.2	.1									3.3	4.3
ESE	.7	1.1	.1									1.9	4.4
SE		.7										.7	5.2
SSE	1.0	1.1										2.6	3.2
S	1.0	1.9	.4									3.3	4.7
SSW	.7	1.0	1.5	.7								3.8	7.6
SW	.8	.7	1.1	.1								2.7	5.9
WSW	.7	2.3	2.7	1.4								6.8	7.7
W	1.4	3.0	5.9	1.4								11.6	7.4
WNW	1.5	3.4	2.0	1.0								7.9	6.2
NW	1.2	2.2	1.1	.3								4.8	5.3
NNW	1.8	3.7	2.2	.3								7.9	5.4
VARBL			14.2	6.0	.4							23.6	9.6
CALM												1.9	
	18.4	32.9	35.7	11.3	.4							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

107295 STATION      COLEMAN AAF DL STATION NAME      73-81 YEARS      JUL MONTH

ALL WEATHER CLASS      1800-2000 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.4	2.4	.2								9.7	4.8
NNE	1.5	2.7	.3									3.9	4.1
NE	2.7	1.7										3.1	2.9
ENE	2.7	2.4	.5									5.6	3.6
E	1.4	2.4	.5									4.3	4.3
ESE	.9	1.7		.2								2.0	4.3
SE	1.0	1.4	.2									2.6	3.7
SSE	1.0	.7	.2									1.9	3.5
S	.7	1.9	.9									3.4	5.1
SSW	.9	1.2	1.4	.5								3.9	6.4
SW	.3	.9	1.7	.2								2.4	6.6
WSW	1.5	3.6	2.7	1.0								8.9	6.3
W	3.4	5.1	4.1	1.0								13.7	5.9
WNW	2.7	2.7	1.5	1.0								7.3	6.1
NW	1.7	1.9	.2	.2								3.9	4.0
NNW	2.7	1.9	.9	.3								5.8	4.7
VARBL			5.8	2.0								7.8	9.6
CALM												9.7	
	26.6	34.5	22.5	6.7								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS      586

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE WIND DIRECTION  
 SEE PART 7

17795  
STATION

COLEMAN AAF DL  
STATION NAME

73-81  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	4.3	2.7	.3								10.6	4.8
NNE	1.8	2.7	.7	.2	.1							4.9	4.8
NE	1.0	.3	.1									2.0	3.7
ENE	1.2	1.1	.1									2.4	3.7
E	.9	1.4	.1									2.4	4.0
ESE	.7	.7	.1	.0								1.5	3.8
SE	.6	.9	.1									1.5	4.0
SSE	1.4	1.1	.1									2.6	3.6
S	1.4	2.9	1.2	.1								5.5	5.2
SSW	1.7	1.6	1.9	.5								4.9	6.5
SW	.8	1.6	1.2	.3								3.9	5.9
WSW	1.3	3.3	2.6	.8								8.0	6.3
W	2.1	3.6	3.9	1.1								10.7	6.5
WNW	1.5	2.5	1.2	.5	.0							5.7	5.7
NW	1.4	1.7	.6	.1								3.8	4.6
NNW	2.4	2.8	1.0	.2								6.4	4.6
VARBL	.1		11.2	3.5	.2							15.0	9.4
CALM												8.4	
	23.0	32.6	28.1	7.6	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 3525

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 72 45 STATION COLEMAN AAF DL 73-81 YEARS AUG MONTH  
 ALL WEATHER CLASS 0600-2800 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	4.7	1.7	.2								11.9	4.1
NNE	3.2	1.9	.8									5.7	3.8
NE	2.1	.3										2.4	2.1
ENE	.9	.3		.2								1.8	4.2
E	1.1	.6										1.7	2.7
ESE	.3											.3	2.3
SE	1.2	.9										2.1	3.2
SSE	1.5	2.9	.2									4.5	3.9
S	3.0	4.7	2.6									17.2	5.1
SSW	.6	2.0	1.1									3.6	5.5
SW	.6	.6	.8									2.0	5.2
WSW	.9	1.5	1.4									3.8	5.4
W	1.7	1.7	.3	.5								4.1	4.5
WNW	1.5	.5	.3	.2								2.4	3.9
NW	2.0	1.4	.6									3.9	3.9
NNW	3.3	1.7	.3	.2								5.4	3.3
VARBL			.9									.9	7.8
CALM												33.5	
	29.2	25.6	10.7	1.1								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 665

2

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AT WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 7245      COLEMAN AAF DL      73-81      AUT  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0900-1100  
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	3.0	6.7	1.5	.1								13.5	4.4
NNE	3.4	2.4	1.1									7.3	4.1
NE	1.4	.6	.3									2.7	3.5
ENE	.5	.4	.1									1.0	4.3
E	1.3	.5										1.8	2.9
ESE	1.1	1.0	.3									2.4	3.7
SE	.8	.6										1.4	3.2
SSE	1.1	2.2	.3									3.6	4.4
S	3.2	5.6	3.2	.1								12.1	5.2
SSW	1.4	1.4	1.8	.4								5.0	5.8
SW	.9	1.3	1.0	.4								3.6	6.0
WSW	1.9	1.8	.4	.3								4.3	4.6
W	3.2	1.5	.6	1.0	.3							6.6	5.7
WNW	1.4	.6	.8	.4								3.2	5.2
NW	1.7	1.5	.9									4.1	4.5
NNW	3.1	2.4	1.7	.6								7.8	4.9
VARBL			9.3	1.4								10.7	8.7
CALM												9.4	
	31.7	30.8	23.2	4.7	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS      786

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

## SURFACE WINDS

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

1 7795 STATION COLEMAN AAF DL STATION NAME 77-81 YEARS MONTH AUG  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.3	3.2									10.5	5.6
NNE	2.0	2.9	.4									5.3	3.9
NE	1.7	.8										1.8	3.1
ENE	1.7	1.4	.1	.1								2.9	4.1
E	1.4	1.9	.1	.1								3.5	3.8
ESE	.8	1.1	.3									2.2	4.2
SE	.5	1.5	.1									2.2	4.5
SSE	1.5	2.0	.1									3.7	3.8
S	2.4	4.1	1.3	.6								8.4	5.2
SSW	1.4	1.9	1.3	.5								5.1	5.9
SW	1.5	1.5	1.1	.1	.1							4.4	5.4
WSW	1.1	1.9	1.5	.6								5.2	6.3
W	1.3	1.3	1.6	1.9								6.1	7.6
WNW	1.4	1.9	.8	.8	.1							4.9	6.1
NW	.9	1.7	.9	.3								3.0	5.6
NNW	2.5	2.8	1.9	.4								6.7	4.8
VARBL			17.5	3.0								20.5	9.0
CALM												3.7	
	23.0	33.3	31.3	8.5	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 790

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

**SURFACE WINDS**

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

1. 2295 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS AUG MONTH 1500-1700 HOUR (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	1.2	6.4	3.1	.7	.1							11.5	6.1
NNE	2.0	3.1	1.5	.3								6.8	5.0
NE	1.3	1.5	.8	.3								3.9	5.2
ENE	.5	2.9	.4									3.7	4.9
E	1.1	2.8	.4	.1								4.4	4.7
ESE	.8	.7	.1									1.6	3.8
SE	1.1	1.7	.1									2.9	4.0
SSE	.9	1.1	.3									2.3	3.8
S	.5	3.3	1.2	.5								5.6	6.0
SSW	.8	2.7	.7	.5								4.0	5.7
SW	.7	1.1	1.2	.1								3.1	6.0
WSW	1.2	2.4	2.3	.8								6.7	6.7
W	1.3	3.6	1.7	.8	.1							7.6	6.5
WNW	1.1	1.6	.8	.5								4.7	6.1
NW	.8	1.6	.9	.1	.1							3.6	6.1
NNW	1.2	2.9	.8	.4								5.3	5.5
VARBL			15.6	4.3								19.9	9.3
CALM												3.2	
	16.5	39.5	31.9	9.5	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 750



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

## SURFACE WINDS

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

1 7295 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS ALL WEATHER CLASS 1900-2000 MONTHS (L S T) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.5	2.4	.3								10.1	5.0
NNE	1.6	3.6	.8	.2								6.2	4.9
NE	2.1	2.3	.3									4.7	3.7
ENE	3.6	2.3	.3									6.7	3.3
E	3.9	2.9	1.0	.2								8.0	3.8
ESE	.3	1.3										1.6	3.9
SE	1.3	.5										1.8	3.2
SSE	1.0	.3	.3									1.6	3.7
S	1.3	3.2	1.9	.2								6.7	5.4
SSW	.5	1.0	1.3									2.8	6.1
SW	1.5	1.3	1.5	.2								4.4	5.4
WSW	1.1	2.1	1.5	.2								4.9	5.5
W	3.7	4.1	3.4	.3								11.5	5.2
WNW	1.5	2.3	.8	.3								4.9	5.7
NW	1.5	1.9	.6									4.1	4.5
NNW	1.1	1.6	.6	.2								3.6	5.2
VARBL			3.2	1.1	.2							4.5	9.6
CALM												12.2	
	23.7	35.7	20.1	3.1	.2							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 616

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE WITH CAUTION  
SEE INSTRUCTIONS

1 72 05      COLEMAN AAF DL      73-81      AUG

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      ALL

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	3.2	5.6	2.4	.2	.0							11.5	5.0
NNE	2.5	2.7	.9	.1								6.2	4.4
NE	1.6	1.1	.3	.1								3.0	3.8
ENE	1.3	1.6	.2	.1								3.1	4.0
E	1.7	1.7	.3	.1								3.7	3.8
ESE	.7	.9	.1									1.7	3.9
SE	.9	1.1	.1									2.1	3.7
SSE	1.2	1.7	.2									3.2	4.0
S	2.1	4.2	2.0	.3								8.6	5.3
SSW	1.0	1.7	1.2	.3								4.2	5.8
SW	1.0	1.2	1.1	.2	.0							3.5	5.6
WSW	1.3	1.9	1.4	.4								5.0	5.9
W	2.2	2.4	1.5	.9	.1							7.1	5.9
WNW	1.4	1.4	.7	.4	.0							3.9	5.4
NW	1.3	1.5	.8	.1	.0							3.7	4.9
NNW	2.3	2.3	.9	.4								5.9	4.8
VARBL			9.8	2.1	.0							11.9	9.0
CALM												11.8	
	25.7	32.8	23.9	5.6	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 3607

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

107295 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS SEP MONTH  
 ALL WEATHER CLASS 0600-0800 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	2.5	2.6	1.2									6.3	4.4
NNE	2.2	2.2	.3									4.6	3.5
NE	1.7	.2										1.9	2.0
ENE	.3											.8	1.6
E	2.0	.2										2.2	1.9
ESE	.3	.2										.5	3.7
SE	1.2	.5	.2									1.9	3.5
SSE	3.4	4.5	.6									8.5	4.0
S	2.0	4.9	4.9	.8								12.7	6.3
SSW	.9	1.1	.9	.3								3.2	5.8
SW	1.2	1.4	1.1									3.7	5.0
WSW	1.4	2.7	1.2	.2								4.8	5.4
W	2.2	1.2	1.2	.3								4.9	5.0
WNW	1.2	.5	.2									1.9	3.3
NW	1.1	.2	.5	.2								1.9	4.2
NNW	1.5	1.2	.2									2.9	3.3
VARBL			1.2	.9								2.2	10.4
CALM												35.2	
	25.7	22.7	13.8	2.6								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 647

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

107295 STATION COLEMAN AAF DL 73-81 YEARS SEP 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	5.2	3.5	1.1									9.8	3.8
NNE	2.7	3.7	.9	.1								6.1	4.5
NE	1.1	1.7	.1									2.3	3.5
ENE	.6	.4										1.0	3.1
E	.6	.3	.1									1.0	3.3
ESE	.5	.1										.6	2.4
SE		.3	.3									.5	6.5
SSE	2.3	1.9	.3	.1								4.5	3.7
S	3.0	8.5	4.9	1.3								17.7	6.0
SSW	1.6	2.5	.8	.6								5.6	5.7
SW	.9	1.4	1.1	.4	.3							4.0	6.9
WSW	1.1	1.6	1.5	.6								4.9	6.5
W	2.0	2.5	2.1									6.7	5.2
WNW	1.4	.6	.9									2.9	4.8
NW	1.4	.8	.4	.3								2.8	4.5
NNW	2.5	1.5	.9									4.9	4.0
VARBL			9.0	4.4								12.4	10.1
CALM												12.2	
	26.4	29.9	23.4	7.8	.3							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 792

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 17295      STATION NAME: COLEMAN AAF DL      YEAR: 73-81      SEP 1980

CLASS: ALL WEATHER      MONTH: 09

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.0	1.0	.1								6.8	4.5
NNE	1.5	2.3	.6	.1								4.7	4.7
NE	.9	1.0										1.8	3.6
ENE	.9	1.1	.1									2.2	4.2
E	.9	1.1										2.0	3.5
ESE	1.1	.6										1.8	3.1
SE	.9	.9										1.8	3.5
SSE	1.1	2.2	.3									3.5	4.2
S	2.8	5.1	2.5	.4								10.8	5.3
SSW	1.5	2.5	1.6	1.1								6.8	6.6
SW	1.0	1.3	1.1	1.0								4.4	7.0
WSW	1.5	.9	.9	.9	.1							4.3	6.7
W	1.1	1.6	2.5	.9								6.2	7.1
WNW	2.2	1.1	.6	.4								4.3	4.8
NW	.8	.9	.6									2.3	4.9
NNW	1.6	2.4	.4									4.4	4.3
VARBL			17.4	8.7	.4							26.5	9.9
CALM												5.3	
	22.6	28.1	29.8	13.7	.5							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 789

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 7385 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS SEP MONTH 1500-1700 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	2.6	2.5	1.7									6.9	4.7
NNE	1.0	1.7	2.1									4.7	5.7
NE	1.1	1.7	.7									3.5	4.7
ENE	.8	1.5	.4									2.8	4.7
E	1.0	1.4	.4									2.8	4.6
ESE	1.0	.9	.1									1.9	3.8
SE	.6	1.0										1.5	3.5
SSE	1.4	2.2	.7									4.3	4.5
S	1.9	4.7	1.4	1.0								8.3	5.5
SSW	.8	1.5	1.8	.8								5.0	6.9
SW	.8	1.7	1.2	.6								4.3	6.4
WSW	1.0	2.5	3.6	1.9	.1							9.2	7.9
W	1.9	2.9	4.6	1.2								10.7	6.7
WNW	.3	1.7	1.0	.3								3.2	6.5
NW	.6	.7	.7									1.9	5.2
NNW	1.7	2.8	.8									5.3	4.6
VARBL		.1	10.0	6.0	.1							16.2	9.9
CALM												7.6	
	13.4	30.7	31.2	11.8	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 721

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7295 STATION COLEMAN AAF DL 73-81 YEARS SEP  
STATION NAME CLASS  
 ALL WEATHER  
CONDITION  
 1800-2000  
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.8	.4	.2								4.8	3.8
NNE	1.4	.4	.9	.4								3.0	5.1
NE	.5	2.5	.5									3.6	4.9
ENE	2.8	1.1	.4									4.3	3.1
E	5.2	2.3										7.5	2.7
ESE	3.1	.7										2.8	2.4
SE	1.2	1.2										2.5	3.4
SSE	1.6	.4	.2									2.1	3.5
S	1.2	3.0	3.2	.5								8.0	6.5
SSW	.7	1.4	2.5	.7								5.3	7.0
SW	.7	3.0	1.8	.2								5.7	5.8
WSW	1.4	3.2	1.2	.7								6.6	5.9
W	2.9	5.5	1.6	.9								10.8	5.3
WNW	1.1	1.6	.5									3.2	4.4
NW	1.2	.5										1.8	3.0
NNW	1.4	1.4	.4									3.2	3.8
VARBL			2.1	1.8								3.9	11.1
CALM												11.0	
	29.1	30.0	15.6	5.3								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 563

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE WITH CAUTION  
SEE INSTRUCTIONS

7295  
STATION

COLEMAN AAF DL  
STATION NAME

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	3.2	2.9	1.1	.1								7.1	4.2
NNE	1.7	2.3	1.7	.1								4.7	4.7
NE	1.1	1.2	.3									2.5	4.0
ENE	1.1	.8	.2									2.1	3.7
E	1.7	1.0	.1									2.8	3.1
ESE	1.0	.5	.0									1.5	3.1
SE	.7	.7	.1									1.6	3.7
SSE	1.9	2.2	.4	.0								4.6	4.0
S	2.3	5.3	3.4	.8								11.7	5.9
SSW	1.2	1.9	1.5	.7								5.3	6.4
SW	.9	1.7	1.3	.5	.1							4.4	6.3
WSW	1.3	2.0	1.7	.9	.1							5.9	6.7
W	0.0	2.6	2.5	.7								7.7	6.0
WNW	1.3	1.1	.7	.1								3.1	4.9
NW	1.0	.6	.5	.1								2.2	4.5
NNW	1.8	1.9	.5									4.2	4.1
VARBL		.0	8.3	4.6	.1							13.1	10.0
CALM												15.4	
	24.0	28.4	23.4	8.6	.2							109.0	5.0

TOTAL NUMBER OF OBSERVATIONS 3512



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

107295 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS OCT MONTH  
0600-0800 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	5.1	2.2	1.6	.2								9.1	3.8
NNE	2.1	.6	.3									3.0	3.1
NE	1.4	1.7	.2									2.6	3.1
ENE	1.6	.3	.3									2.2	2.9
E	1.8	.2										1.9	2.3
ESE	1.3	1.1										2.4	3.3
SE	1.1	.6	.5									2.2	3.8
SSE	2.4	2.7	.5	.2								5.8	4.3
S	2.7	7.2	4.8	1.1								15.8	5.9
SSW	1.1	.8	1.3	.5								3.7	6.5
SW	.2	.8	1.0	.3								2.2	7.0
WSW	1.6	1.3	1.0	.6								4.5	5.7
W	1.1	1.8	.5	.3								3.7	5.1
WNW	.8	1.1	.2									2.1	4.4
NW	.6	.2	.2									1.0	3.5
NNW	1.0	.6	.2	.2								1.9	4.3
VARBL			1.4	.8								2.2	13.1
CALM												33.7	
	25.9	22.5	13.7	4.2								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

1 7295  
STATION

COLEMAN AAF DL  
STATION NAME

73-81  
YEARS

OCT  
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	4.5	4.3	2.4									11.2	4.3
NNE	4.1	1.8	1.0									6.9	3.6
NE	1.5	.9	.3									2.7	3.6
ENE	.6	.5	.3									1.4	3.8
E	1.9	1.0	.8									3.7	3.8
ESE	.9	.9										1.8	3.6
SE	.6	.6	.3									1.5	4.1
SSE	1.7	1.5	.8	.3								4.2	4.8
S	2.3	5.5	3.7	.4								11.8	5.6
SSW	1.3	2.3	2.2	1.3								7.0	7.1
SW	.8	1.3	.6	.5	.3							3.4	7.1
WSW	.8	1.3	2.4	.4								4.8	6.9
W	2.4	1.5	1.3	.8								6.0	5.4
WNW	1.5	.8	.1									2.4	3.2
NW	.9	1.5										2.4	3.7
NNW	2.2	1.4	.8									4.3	3.7
VARBL	.1		4.3	2.4	.3							7.1	10.0
CALM												17.3	
	28.0	27.1	21.1	6.0	.5							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

786

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 7295  
STATION

COLEMAN AAF DL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

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	4.6	5.5	3.3									13.4	4.5
NNE	2.5	1.1	1.1	.1								5.0	4.3
NE	1.7	1.7	.1									2.8	3.3
ENE	1.4	.4	.4									2.2	3.6
E	1.0	1.8	1.1	.3								4.2	5.5
ESE	.5	.4										.9	3.1
SE	1.3	.9										2.2	3.1
SSE	1.4	2.2	.5									4.1	4.4
S	2.4	3.3	3.8	.0								10.5	6.2
SSW	1.4	2.6	1.1	1.0	.1							6.3	6.7
SW	1.1	2.0	.5	.4	.3							4.2	6.7
WSW	1.8	1.7	1.1	1.1	.1							5.2	6.8
W	1.4	1.9	2.8	1.3	.3							7.5	7.6
WNW	1.7	.5	.5	.4	.1							3.2	5.5
NW	1.4	1.4	.3									3.1	3.6
NNW	2.9	1.4	.4	.1								4.9	3.5
VARBL			8.2	3.4	.3							11.9	9.8
CALM												8.6	
	23.5	27.3	25.4	7.1	1.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 783

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 1 7225 STATION NAME COLEMAN AAF DL YEARS 73-81 MONTH OCT  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	4.2	1.7									10.4	4.1
NNE	2.4	1.7	1.2	.1								5.4	4.9
NE	1.9	1.4	.3									3.6	3.7
ENE	1.9	1.7	.1									3.1	3.1
E	2.9	2.2	1.7									6.8	4.4
ESE	1.9	.7										2.6	3.7
SE	1.2	1.7	.3									2.5	3.9
SSE	.8	1.9	.1									2.9	4.3
S	2.1	3.6	3.3	.3								9.3	5.6
SSW	.7	1.5	1.5	.8								4.6	7.2
SW	.5	2.2	2.5	.3								5.5	6.6
WSW	1.2	1.9	2.4	.3								5.8	6.2
W	2.5	1.9	3.3	.8	.3							8.9	6.3
WNW	.7	1.2	.7	.1	.1							2.9	5.9
NW	.8	.7	.3									1.8	4.1
NNW	2.9	2.2	.7	.1								6.0	4.2
VARBL			3.7	2.8	.3							6.8	11.1
CALM												11.1	
	29.3	29.4	23.9	5.7	.7							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 721

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1973-75 STATION COLEMAN AAF DL STATION NAME YEARS 73-81 MONTH OCT  
 ALL WEATHER CLASS 1800-2000 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	1.2	1.2	1.4									3.9	5.3
NNE	1.4	.9	.7	.5								3.6	5.2
NE	2.5	.7	.4									3.6	2.8
ENE	.3	.7										3.0	2.7
E	3.7	2.1	.2									6.0	3.1
ESE	1.8	.5										2.3	2.6
SE	1.3	.9	.2									2.8	3.2
SSE	.6	1.6	.4									2.8	4.5
S	3.4	4.3	1.6	.4								9.9	4.7
SSW	1.8	.9	3.7	1.1								7.3	7.1
SW	1.4	2.1	2.3	.5								6.4	6.1
WSW	1.4	3.2	2.3	.4								7.3	5.8
W	1.4	1.1	1.8	.4								4.6	5.9
WNW	1.1	1.1	.4	.2								2.7	4.3
NW	.3	.4	.9									2.1	4.9
NNW	1.2	.5	.4									2.1	3.4
VARBL			1.6	.7								2.3	10.7
CALM												27.2	
	28.1	22.6	18.1	4.1								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 563

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE APPROPRIATE  
SEE FIRST PAGE

STATION 17755 STATION NAME COLEMAN AAF DL YEARS 77-81 MONTH OCT

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

MOON (L S T) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	3.7	2.2	.7								10.0	4.3
NNE	2.6	1.3	.9	.1								4.9	4.2
NE	1.8	1.0	.2									3.0	3.3
ENE	1.5	.5	.2									2.3	3.2
E	2.2	1.5	.8	.1								4.5	4.1
ESE	1.2	.7										2.0	3.1
SE	1.2	.9	.2									2.2	3.6
SSE	1.4	2.0	.5	.1								4.7	4.5
S	2.5	4.8	3.5	.6								11.4	5.7
SSW	1.2	1.7	1.9	.9	.0							5.8	6.9
SW	.8	1.7	1.3	.4	.1							4.3	6.5
WSW	1.4	1.7	1.8	.6	.0							5.5	6.3
W	1.8	1.6	2.7	.7	.1							6.3	6.4
WNW	1.2	.9	.4	.1	.1							2.7	4.8
NW	.9	.9	.3									2.1	3.9
NNW	2.1	1.3	.5	.1								4.0	3.8
VARBL	.0		4.1	2.2	.2							6.5	12.2
CALM												18.6	
	23.0	26.1	20.8	6.0	.5							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 3479

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

1 72 25 STATION COLEMAN AAF DL 73-81 YEARS NOV MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.7	.8									6.1	3.8
NNE	1.4	1.0	.7									3.1	4.1
NE	1.0	.5	.5	.3								2.4	5.1
ENE	1.2	.2	.2									1.5	2.9
E	1.7	.8										2.5	2.5
ESE	.7	.5										1.2	3.1
SE	1.0	.7										1.7	3.3
SSE	2.2	2.4	1.2	.2								5.9	4.7
S	3.4	7.5	5.3	.8								16.9	6.7
SSW	.5	2.2	5.1	2.0	.3							10.2	8.8
SW	.7	1.5	2.5	.8	.2							5.8	8.0
WSW	1.5	2.7	1.4	1.0	.2							6.1	6.8
W	.7	2.4	3.2	1.7								8.1	8.0
WNW	.7	.3	.5	.2								1.7	5.5
NW	.5	.2	.3									1.0	5.0
NNW	.8	.3	.2									1.4	3.4
VARBL			1.7	1.5	.2							3.4	11.2
CALM												21.0	
	21.4	24.6	23.6	8.6	.8							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 590

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7295 STATION COLEMAN AAF DL 73-81 YEARS NCV MONTH 0900-1100 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	4.3	3.1	.7	.3								8.3	3.9
NNE	1.1	.8	1.2	.1								3.2	5.4
NE	.7	.5	.1									1.3	3.8
ENE	.3	.1	.1									.5	4.5
E	2.0	.7										2.7	2.5
ESE	.4	.7										1.1	3.6
SE	.9	.1										1.1	2.5
SSE	2.1	2.8	1.1									6.0	4.6
S	2.5	5.3	8.7	2.5								19.1	7.0
SSW	.8	1.6	4.0	1.7	.1							8.3	8.2
SW	1.2	1.3	1.9	.9	.3							5.6	7.5
WSW	.9	2.3	2.3	1.3	.3							7.1	7.6
W	1.6	1.6	3.6	1.9								8.7	7.6
WNW	.7	.9	.5	.4								2.5	6.0
NW	.5	.9		.1								1.6	4.2
NNW	1.5	.8	.1									2.4	3.3
VARBL			2.7	2.0	.8							5.5	11.6
CALM												15.1	
	21.5	23.6	27.0	11.3	1.5							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 749



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1 7295 STATION COLEMAN AAF DL STATION NAME 77-81 YEARS NOV MONTH  
 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 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	4.0	1.5	.4								9.4	4.6
NNE	2.0	1.3	.7	.1								4.1	4.4
NE	.9	.1	.4									1.5	4.1
ENE	.8		.1	.1								1.1	3.6
E	.5	.7	.3									1.5	4.5
ESE	.7	.1										.8	2.7
SE	1.2	.4										1.6	3.1
SSE	1.2	2.8	.3									4.3	4.2
S	2.5	5.2	7.8	.9								16.5	6.7
SSW	.4	2.7	2.9	2.3	.3							8.6	8.6
SW	.8	.7	3.1	1.6								6.2	8.5
WSW	.5	2.7	3.6	2.3	.3							8.7	8.8
W	1.2	2.7	3.1	2.1	.1							9.2	7.7
WNW	1.2	.7	1.2	.3								3.3	5.5
NW	1.5	.9	.3	.4								3.1	4.9
NNW	1.1	2.1	.4									3.6	4.4
VARBL		.1	5.0	4.3	.9							10.3	11.3
CALM												6.3	
	27.1	26.6	33.5	14.9	1.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

107295  
STATION

COLEMAN AAF D  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	3.4	.9	.4	.1							8.0	4.6
NNE	1.5	1.6	.6									3.7	4.2
NE	1.5	.7	.9									3.2	4.7
ENE	.9	.7	.4									2.0	4.7
E	.9	.6	.1									1.6	3.7
ESE	1.6	.3										1.9	2.2
SE	1.2	.7										1.9	3.2
SSE	2.3	2.6	.1									5.1	3.9
S	1.5	4.4	5.1	1.3								12.3	6.8
SSW	.4	2.3	3.2	3.4								9.4	9.2
SW	.1	1.6	2.5	.7	.1							5.1	7.8
WSW	.9	2.5	3.7	1.0								8.0	7.1
W	2.0	1.0	4.5	1.8								10.2	7.3
WNW	.9	1.8	1.5	.3								4.4	5.8
NW	1.0	.9	.3	.4								2.6	5.5
NNW	1.0	1.3	.7	.1								4.1	4.5
VARBL			3.5	2.8	.6							6.9	11.3
CALM												9.5	
	21.8	27.5	28.1	12.3	.9							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

684

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

107295  
STATION

COLEMAN AAF DL  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	.2									4.0	3.6
NNE	2.3	1.3	.2	.2								4.0	3.8
NE	1.5	1.1										2.7	3.3
ENE	1.0	.4	.8									2.1	4.9
E	2.1	1.1	.4									3.6	2.8
ESE	.6	.2										.8	2.8
SE	1.3	.6	.2									2.1	3.5
SSE	2.3	2.1	.6									5.0	4.2
S	2.5	5.6	3.8	.6								12.5	5.9
SSW	.4	1.3	4.4	4.6								10.7	9.9
SW	.6	1.7	2.5	.6								5.4	7.1
WSW	1.1	4.0	2.1	.4								7.7	6.0
W	1.1	2.9	3.6	2.3								10.0	7.8
WNW	.8	1.3	.6	.4								3.1	5.5
NW	.8	.6	1.0									2.3	5.4
NNW	.8	.6	.4	.2								1.9	5.7
VARBL			.8	2.3	.6							3.6	13.1
CALM												18.6	
	20.7	27.2	21.5	11.5	.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 522

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE WITH CAUTION  
SEE FIRST PAGE

1 7245 STATION COLEMAN AAF DL STATION NAME YEARS 73-81 MONTH NOV

ALL WEATHER CLASS

ALL MONTH (L S Y)

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	3.7	.9	.2	.0							7.4	4.2
NNE	1.6	1.2	.7	.1								3.6	4.4
NE	1.1	.6	.4	.1								2.2	4.3
ENE	.8	.3	.3	.7								1.4	4.2
E	1.4	.8	.2									3.3	3.7
ESE	.3	.4										1.2	2.8
SE	1.1	.5	.0									1.6	3.1
SSE	2.7	2.6	.6	.0								5.3	4.4
S	2.5	5.5	6.3	1.3								15.6	6.6
SSW	.5	2.1	3.9	2.7	.2							9.3	8.9
SW	.7	1.3	2.5	1.0	.1							5.6	7.9
WSW	1.0	2.5	2.7	1.3	.2							7.6	7.4
W	1.4	2.2	3.6	1.9	.0							9.2	7.7
WNW	.9	1.0	.9	.3								3.0	5.7
NW	.9	.7	.3	.2								2.2	5.0
NNW	1.2	1.1	.4	.1								2.8	4.3
VARBL		.0	2.9	2.6	.6							6.2	11.5
CALM												13.5	
	21.1	25.9	26.5	11.9	1.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 3292

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

1 7295 STATION COLEMAN AAF DL 73-81 YEARS DEC MONTH  
 ALL WEATHER CLASS 0600-0800 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	1.6	1.0	.2	.2							5.3	5.0
NNE	1.0	1.3	1.0	.2								4.1	5.3
NE	2.4	1.0										3.5	2.6
ENE	1.8	.6		.2								2.6	3.2
E	1.8	.4										2.2	2.4
ESE	.4	.4										.8	3.5
SE	.4	.4										.8	3.3
SSE	1.8	2.4	1.0									5.3	4.7
S	2.0	7.3	4.9	2.4	.2							16.9	6.9
SSW	1.2	2.0	2.6	2.2	.8							9.0	8.9
SW	1.6	1.8	1.0	1.4								5.9	6.6
WSW	.4	2.2	1.2	1.4	.2							5.5	7.9
W	.2	1.8	3.3	1.4	.6	.4						7.7	9.9
WNW	.6	.4	.6									1.6	4.9
NW	.2	.8	.4	.8								2.2	8.4
NNW	1.0	.2	.4	.8								2.4	7.1
VARBL			.6	2.9		.2						3.7	13.3
CALM												20.4	
	19.3	25.5	18.1	14.1	2.0	.6						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 491

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

1 7295      COLEMAN AAF DL      73-81      DEC  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0900-1100  
CLASS      HOUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	1.6	1.6	.4								7.1	4.6
NNE	1.6	1.0	1.2	.3								4.1	5.2
NE	1.0	.4	.1									1.6	3.5
ENE	1.5	.3										1.7	2.4
E	2.0	.7										2.8	2.7
ESE	.4	.6										1.0	3.0
SE	.9	.7	.1									1.7	3.8
SSE	.4	3.5	.4	.3								4.7	5.2
S	2.0	5.8	7.4	1.0								16.7	6.7
SSW	1.5	1.3	3.5	2.5	.4							9.2	8.5
SW	.4	2.2	1.5	.4								4.5	6.6
WSW	.1	2.3	3.6	2.6	.3							9.7	9.2
W	.4	1.2	1.6	2.2	.1	.3						5.8	9.7
WNW	1.3	.6	.7	.1								2.8	4.9
NW	.3	.4	.4	.4								1.6	7.5
NNW	.9	.1	.1									1.2	3.3
VARBL			2.2	3.6	1.0	.1						7.0	12.7
CALM												17.8	
	18.4	22.9	24.6	14.0	1.9	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS      686

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

107295  
STATIONCOLEMAN AAF DL  
STATION NAME73-81  
YEARSDEC  
MONTHALL WEATHEP  
CLASS1200-1400  
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	4.5	1.8	1.6	.4								8.4	4.4
NNE	2.6	.9	1.5	.3								5.3	4.7
NE	.7	.7	.3	.3								2.2	5.5
ENE	.9	.1	.1									1.2	3.1
E	.7	1.2	.3									2.2	4.5
ESE	.1	.6	.1									.9	5.0
SE	.3	.7	.1									1.2	4.9
SSE	.4	2.9	.3	.1								3.8	5.2
S	3.4	5.3	7.6	1.3								17.6	6.7
SSW	1.2	2.6	3.2	1.8								8.8	7.6
SW	.4	.9	1.3	1.5	.1							4.3	9.4
WSW	.4	2.2	3.4	3.1	.4							9.5	9.4
W	1.6	.9	2.5	2.6	.1	.1	.1					8.1	9.1
WNW	.9	.4	.4	.4	.1							2.3	6.4
NW	.7	.7	.7	.3								2.5	6.2
NNW	2.5	1.2	.3	.4								4.4	4.2
VARBL			3.8	3.1	1.5	.3						9.7	12.3
CALM												8.8	
	21.6	23.3	27.7	15.7	2.3	.4	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

682

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

**SURFACE WINDS**

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

107295      COLEMAN AAF DL      73-81      DEC

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1500-1700

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	3.3	1.8	1.2									6.3	3.9
NNE	.8	1.7	1.5									4.0	5.5
NE	1.2	1.0	.3	.2								2.6	4.1
ENE	.8	.5										1.3	3.5
E	1.7	1.3	.2									2.5	3.8
ESE	.8	.3	.2									1.3	3.4
SE	1.2	.8										2.0	2.8
SSE	1.2	2.8	.2									4.1	4.4
S	2.3	5.5	5.8	1.3								14.9	6.6
SSW	.8	1.3	2.2	1.5								5.8	8.1
SW	1.0	1.7	2.6	1.0	.2							6.5	7.8
WSW	.7	2.0	3.6	3.1	.2							9.6	9.2
W	1.5	1.8	2.6	2.3	.3	.2	.2					8.9	9.0
WNW	.8	.7	.5	.2								2.2	5.5
NW	1.7	1.5	.7	.3								4.1	4.8
NNW	1.5	.8	.8	.2								3.3	4.6
VARBL			3.1	3.5	.3							7.2	11.5
CALM												13.6	
	27.5	25.5	25.5	13.6	1.7	.2	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS      604



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 1 7245      STATION NAME: COLEMAN AAF DL      YEARS: 73-81      MONTH: DEC  
 CLASS: ALL WEATHER      HOURS (LST): 1800-2000  
 CONDITION:

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	1.3										3.6	3.1
NNE	1.3	1.5	1.0									3.9	4.8
NE	1.5	.8	.3									2.6	3.6
ENE	2.1	1.5										3.6	2.9
E	3.6	.8										4.4	2.4
ESE	1.3	.3										1.5	2.7
SE	.3											.3	2.7
SSE	.5	2.3										2.8	4.1
S	3.9	5.7	2.6	2.8	.3							15.2	6.6
SSW	.8	1.0	4.6	2.6								9.3	9.1
SW	.8	1.0	3.1	1.8								6.7	8.3
WSW	1.3	1.7	2.3	.3								4.9	6.3
W	2.1	1.7	1.0	3.9	.3							8.2	9.2
WNW	.5	1.5	.8	.3								3.1	6.3
NW	1.5	.3	1.0									2.8	5.1
NNW	1.7		.3	.8								2.1	6.9
VARBL			1.5	3.1	.3	.3						5.1	12.7
CALM												70.3	
	24.7	20.1	19.5	15.4	.8	.3						170.0	5.3

TOTAL NUMBER OF OBSERVATIONS 389

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

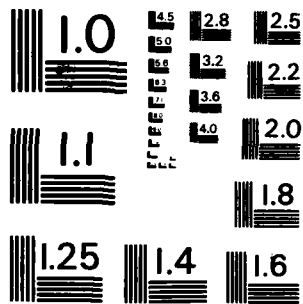
PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1 7205 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS DEC MONTH  
ALL WEATHER CLASS ALL HOURS (L & T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	1.5	1.2	.2	.7							0.5	4.3
NNE	1.5	1.3	1.3	.2								4.3	5.1
NE	1.3	.5	.2	.1								2.4	3.9
ENE	1.3	.5	.7	.0								1.9	3.0
E	1.7	.9	.1									2.7	3.2
ESE	.5	.5	.1									1.1	3.4
SE	.6	.5	.1									1.3	3.6
SSE	.8	2.9	.4	.1								4.2	4.8
S	2.7	5.7	6.0	1.6	.1							16.3	6.7
SSW	1.1	1.7	3.2	2.1	.2							8.3	8.4
SW	.8	1.5	1.8	1.2	.1							5.4	7.7
WSW	.5	2.7	3.0	2.3	.2							8.1	8.8
W	1.1	1.3	2.2	2.4	.3	.2	.1					7.7	9.3
WNW	.9	.7	.6	.2	.7							2.4	5.6
NW	.8	.8	.6	.4								2.5	6.1
NNW	1.4	.5	.4	.4								2.7	4.9
VARBL			2.4	3.3	.7	.2						6.6	12.3
CALM												15.5	
	20.6	23.6	23.6	14.5	1.7	.4	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2852





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

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

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

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

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

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 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)													
	$\geq 10$	$\geq 8$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 0$
NO CEILING														
$\geq 1800$														
$\geq 1500$					91.0									92.6
$\geq 1200$														
$\geq 1000$														
$\geq 900$														
$\geq 800$														
$\geq 700$														
$\geq 600$														
$\geq 500$										97.4				98.1
$\geq 400$														
$\geq 300$														
$\geq 200$														
$\geq 100$														
$\geq 0$					95.4		96.9			98.3				100.0

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

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

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

#### ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

107245 COLEMAN AAF DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1000	6.9	8.9	10.9	12.3	13.3	13.4	15.5	17.1	17.7	19.0	19.3	19.3	19.6	19.8	20.1	20.3
900	7.3	9.4	11.0	12.9	13.9	14.1	16.1	17.7	18.4	19.8	20.3	20.4	20.8	20.9	21.2	21.6
800	7.3	9.4	11.0	12.9	13.9	14.1	16.1	17.7	18.4	19.8	20.3	20.4	20.8	20.9	21.2	21.6
700	7.3	9.4	11.0	12.9	13.9	14.1	16.1	17.7	18.4	19.8	20.3	20.4	20.8	20.9	21.2	21.6
600	7.7	9.7	11.3	13.3	14.2	14.4	16.5	18.1	18.7	20.1	20.6	20.8	21.1	21.2	21.6	21.9
500	7.7	9.9	11.5	13.6	14.5	14.7	16.8	18.4	19.0	20.4	20.9	21.1	21.4	21.6	21.9	22.2
400	7.8	10.1	11.8	14.1	15.0	15.2	17.4	19.0	19.6	21.1	21.6	21.7	22.0	22.2	22.5	22.8
300	9.3	10.7	12.5	14.7	15.8	16.0	18.4	20.0	20.8	22.2	22.7	22.8	23.2	23.3	23.6	24.0
200	12.1	15.7	17.9	20.8	22.2	22.5	24.9	26.8	27.8	29.2	29.7	29.9	30.2	30.4	30.7	31.1
100	14.2	13.4	20.8	24.0	25.4	25.7	28.3	30.2	31.2	32.6	33.1	33.2	33.5	33.7	34.0	34.3
0	15.0	19.5	22.0	25.2	26.7	27.0	29.6	31.5	32.4	33.9	34.3	34.5	34.8	35.0	35.3	35.6
1000	18.1	23.2	26.4	31.0	32.7	33.1	35.9	37.9	38.8	40.3	40.7	40.9	41.2	41.4	41.7	42.0
900	19.8	25.1	28.6	33.9	35.8	36.1	39.0	40.9	41.9	43.3	43.8	43.9	44.2	44.4	44.7	45.0
800	22.1	28.1	32.1	38.7	40.7	41.1	44.4	46.6	47.9	49.4	49.8	50.0	50.3	50.5	50.8	51.1
700	25.2	32.6	37.5	45.0	47.3	47.6	51.4	53.8	55.1	56.7	57.5	57.7	58.0	58.1	58.5	58.8
600	28.1	36.9	42.5	50.8	53.5	53.8	58.1	60.7	62.0	63.7	64.5	64.9	65.2	65.3	65.7	66.0
500	30.7	39.3	45.0	54.5	57.3	58.0	63.1	65.7	66.9	68.7	69.5	69.8	70.1	70.4	70.8	71.1
400	33.9	44.4	50.3	62.0	66.1	67.1	72.4	75.6	77.3	79.6	80.4	80.7	81.0	81.3	81.6	81.9
300	34.1	45.0	51.1	63.4	68.1	69.0	74.4	77.8	79.6	81.8	82.7	83.1	83.4	83.7	84.0	84.3
200	34.5	46.0	52.2	65.0	69.8	70.9	77.3	80.8	82.6	84.8	85.8	86.1	86.4	86.7	87.1	87.4
100	34.5	46.0	52.6	65.7	71.4	72.5	79.4	82.9	84.8	87.1	88.0	88.3	88.7	89.1	89.3	89.6
0	34.5	46.2	52.7	65.8	71.6	72.7	79.7	83.2	85.1	87.5	88.5	88.8	89.1	89.5	89.8	90.1
1000	34.5	46.2	52.7	66.0	71.7	72.8	79.9	83.5	85.5	88.2	89.1	89.5	89.8	90.1	90.4	90.7
900	34.5	46.2	52.7	66.0	72.2	73.5	80.5	84.2	86.1	88.8	89.8	90.1	90.4	90.7	91.1	91.4
800	34.5	46.2	52.7	66.3	72.7	74.0	81.0	84.7	86.6	90.1	91.4	91.7	92.0	92.3	92.7	93.0
700	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	90.9	92.7	93.0	93.3	93.6	93.9	94.2
600	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	92.0	93.9	94.7	95.4	96.2	96.8	97.1
500	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	92.0	93.9	94.7	95.4	96.2	96.8	97.1
400	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	92.0	93.9	94.7	95.4	96.2	96.8	97.1
300	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	92.0	93.9	94.7	95.4	96.2	96.8	97.1
200	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	92.0	93.9	94.7	95.4	96.2	96.8	97.1
100	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	92.0	93.9	94.7	95.4	96.2	96.8	97.1
0	34.5	46.5	53.7	66.8	73.2	74.4	81.5	85.1	87.1	92.0	93.9	94.7	95.4	96.2	96.8	97.1

TOTAL NUMBER OF OBSERVATIONS 626



# CEILING VERSUS VISIBILITY

1 72-5 COLEMAN AAF DL

73-81

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	9	8	7	6	5	4	3	2	1	1/2	1/4	1/8	1/16	1/32	1/64
NOV. ELEVNS	6.6	8.2	9.8	12.3	13.1	13.5	14.5	16.3	16.6	17.9	18.1	18.9	18.9	19.2	19.3	19.4
2 2000	7.8	10.1	12.2	15.7	17.1	17.5	19.0	20.9	21.2	22.7	22.9	23.7	23.7	24.0	24.1	24.4
2 1800	8.0	10.6	12.8	16.3	17.7	18.1	19.7	21.5	21.9	23.3	23.6	24.4	24.4	24.6	24.7	25.0
2 1600	8.2	10.6	12.8	16.3	17.7	18.1	19.7	21.5	21.9	23.3	23.6	24.4	24.4	24.6	24.7	25.0
2 1400	8.3	11.9	13.1	16.6	18.0	18.4	19.9	21.8	22.2	23.6	23.8	24.6	24.6	24.9	25.0	25.3
2 1200	8.5	11.4	13.6	17.2	18.7	19.0	20.6	22.5	22.9	24.5	24.7	25.5	25.5	25.8	25.9	26.2
2 1000	10.4	13.7	15.9	19.8	21.2	21.6	23.6	25.5	25.9	27.6	28.0	28.8	28.8	29.0	29.1	29.4
2 800	10.3	14.1	16.6	20.6	22.2	22.5	24.7	26.9	27.3	29.0	29.4	30.2	30.2	30.4	30.6	30.8
2 600	13.3	17.6	21.7	25.6	27.7	28.4	30.8	33.2	33.7	35.4	35.8	36.5	36.5	36.8	37.0	37.3
2 400	15.0	19.0	22.4	27.6	29.7	30.3	32.8	35.2	35.8	37.4	38.0	38.7	38.7	39.0	39.2	39.5
2 200	15.3	19.9	23.8	29.4	31.5	32.3	34.7	37.2	37.7	39.4	39.9	40.7	40.7	40.9	41.2	41.5
2 1800	18.4	22.9	27.1	33.3	35.6	36.4	39.2	42.1	42.7	44.8	45.3	46.1	46.1	46.4	46.6	46.9
2 1600	19.6	24.4	28.9	35.5	37.8	38.6	41.6	44.4	45.2	47.3	47.8	48.6	48.6	48.8	49.1	49.4
2 1400	21.9	26.9	32.7	40.3	43.3	44.0	47.0	50.1	51.0	53.4	53.9	54.7	54.7	54.9	55.2	55.4
2 1200	24.3	30.1	35.6	44.2	47.4	48.2	51.2	54.3	55.3	58.0	58.5	59.3	59.3	59.6	59.8	60.1
2 1000	26.9	32.9	39.9	48.7	52.7	53.6	57.3	60.4	61.5	64.4	64.9	65.7	65.7	65.9	66.2	66.5
2 800	29.3	36.0	42.4	53.0	57.3	58.2	62.2	65.4	66.6	69.4	70.1	70.9	70.9	71.1	71.4	71.6
2 600	31.9	39.8	46.5	59.1	64.4	65.4	70.5	74.2	75.4	78.9	79.5	80.3	80.3	80.6	80.8	81.1
2 400	32.1	40.7	47.5	61.5	67.0	68.0	73.7	77.8	79.0	82.5	83.3	84.1	84.1	84.3	84.6	84.8
2 200	32.5	41.3	48.2	62.8	68.9	69.9	75.9	80.6	81.7	85.5	86.3	87.4	87.4	87.7	88.0	88.2
2 1800	32.5	41.3	48.2	63.0	69.6	70.6	77.2	82.6	83.8	87.6	88.3	89.5	89.5	89.8	90.0	90.3
2 1600	32.5	41.3	48.3	63.3	69.9	71.0	77.6	83.2	84.3	88.2	89.0	90.2	90.2	90.4	90.7	90.9
2 1400	32.5	41.3	48.3	63.3	69.9	71.0	77.6	83.2	84.3	88.2	89.0	90.2	90.2	90.4	90.7	90.9
2 1200	32.5	41.3	48.3	63.3	70.1	71.2	77.8	83.5	84.7	88.6	89.4	90.5	90.5	90.9	91.2	91.7
2 1000	32.5	41.3	48.3	63.3	70.1	71.2	77.8	83.5	84.7	88.6	89.4	90.5	90.5	90.9	91.2	91.7
2 800	32.5	41.3	48.3	63.3	70.1	71.2	77.8	83.5	84.7	88.6	89.4	90.5	90.5	90.9	91.2	91.7
2 600	32.5	41.3	48.3	63.3	70.1	71.2	77.8	83.5	84.7	88.6	89.4	90.5	90.5	90.9	91.2	91.7
2 400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1000	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1000	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1000	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1000	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1000	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 800	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 600	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 400	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 200	32.5	41.3	48.3	63.3	70.2	71.4	78.5	84.7	85.9	90.8	92.6	93.9	94.4	94.8	95.1	95.6
2 1800																

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17325 COLEMAN AAF DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

US BUREAU STATUTE MILES

NO. FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1200	9.7	10.8	11.7	16.0	17.6	18.0	18.6	19.9	20.2	21.1	21.5	21.6	21.6	21.9	22.1	22.4															
1400	10.1	14.1	15.4	20.2	21.9	22.1	23.6	25.0	25.8	26.7	27.1	27.2	27.2	27.5	27.7	28.0															
1600	11.1	14.5	15.5	20.3	22.0	22.4	23.7	25.1	25.7	26.8	27.3	27.5	27.6	27.9	28.1	28.4															
1800	11.2	14.6	15.6	20.4	22.1	22.5	23.8	25.1	25.8	27.0	27.5	27.6	27.7	28.0	28.3	28.5															
2000	11.5	15.4	16.4	21.2	22.9	23.3	24.6	26.0	26.6	27.7	28.3	28.4	28.5	28.8	29.0	29.3															
2200	11.9	15.5	16.7	21.6	23.1	23.7	25.0	26.7	27.2	28.6	29.2	29.1	29.4	29.7	29.9	30.2															
2400	12.9	18.4	19.5	25.5	27.5	27.9	29.3	31.0	31.5	33.1	33.6	33.7	33.9	34.1	34.4	34.6															
2600	14.2	19.8	21.1	27.2	29.6	29.9	31.6	33.5	34.0	35.5	36.1	36.2	36.3	36.6	36.8	37.1															
2800	15.4	25.1	26.6	33.2	36.1	36.7	38.8	40.9	41.4	43.0	43.6	43.8	43.9	44.1	44.4	44.7															
3000	20.1	27.1	28.8	35.9	39.2	39.6	41.7	43.8	44.3	45.8	46.5	46.6	46.7	47.0	47.3	47.5															
3200	21.1	28.1	29.7	36.8	40.1	40.5	42.6	44.7	45.2	46.7	47.4	47.5	47.7	47.9	48.2	48.4															
3400	24.9	31.6	33.1	40.9	44.1	44.5	46.6	49.0	49.7	51.8	52.6	52.7	52.9	53.1	53.4	53.6															
3600	25.1	33.1	34.8	42.1	46.2	46.7	48.8	51.2	52.7	54.0	54.8	54.9	55.1	55.3	55.6	55.9															
3800	28.1	35.4	37.2	46.7	50.9	51.6	53.6	56.5	57.1	59.4	60.2	60.3	60.4	60.7	60.9	61.2															
4000	32.1	39.7	41.7	52.0	56.5	57.2	59.4	62.2	63.0	65.2	66.0	66.1	66.3	66.5	66.8	67.1															
4200	34.4	42.8	45.1	56.4	61.2	62.0	64.5	67.1	68.1	70.4	71.2	71.4	71.5	71.7	72.0	72.3															
4400	37.2	46.2	48.8	60.7	66.1	66.9	69.8	72.8	74.3	77.0	77.7	77.9	78.0	78.3	78.5	78.8															
4600	39.6	49.1	52.1	66.1	72.9	73.7	77.1	80.1	81.9	84.5	85.3	85.4	85.5	85.8	86.1	86.3															
4800	40.1	49.7	53.0	67.4	74.1	74.9	78.4	81.6	83.3	86.1	86.8	87.0	87.4	87.6	87.9	88.2															
5000	40.6	50.8	54.0	68.9	75.9	76.8	80.5	83.7	85.4	88.2	88.9	89.2	89.7	90.0	90.2	90.5															
5200	40.9	51.0	54.8	70.1	77.5	78.5	82.4	85.9	87.8	90.6	91.4	91.7	92.2	92.6	92.8	93.1															
5400	40.9	51.0	54.9	70.4	77.6	78.6	82.6	86.1	87.9	91.1	91.9	92.3	92.8	93.2	93.5	93.8															
5600	40.9	51.0	54.9	70.4	77.6	78.6	82.6	86.2	88.0	91.3	92.1	92.4	93.0	93.4	93.6	93.9															
5800	40.9	51.0	54.9	70.4	77.6	78.6	82.6	86.5	88.5	92.2	93.0	93.4	93.9	94.3	94.5	94.9															
6000	40.9	51.0	54.9	70.4	77.7	78.8	83.1	86.7	88.8	92.4	93.4	93.8	94.3	94.7	94.9	95.3															
6200	40.9	51.0	54.9	70.4	77.7	78.8	83.2	86.8	88.9	92.7	93.9	94.3	94.8	95.2	95.4	95.8															
6400	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.0	89.2	93.1	94.7	95.2	96.1	96.6	96.9	97.3															
6600	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.3	93.5	95.3	95.8	97.1	97.7	97.9	98.3															
6800	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.5	93.9	95.8	96.4	97.7	98.4	98.7	99.5															
7000	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.5	93.9	95.8	96.4	97.8	98.8	99.1	100.0															
7200	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.5	93.9	95.8	96.4	97.8	98.8	99.1	100.0															
7400	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.5	93.9	95.8	96.4	97.8	98.8	99.1	100.0															
7600	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.5	93.9	95.8	96.4	97.8	98.8	99.1	100.0															
7800	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.5	93.9	95.8	96.4	97.8	98.8	99.1	100.0															
8000	40.9	51.0	54.9	70.4	77.7	78.8	83.3	87.1	89.5	93.9	95.8	96.4	97.8	98.8	99.1	100.0															

TOTAL NUMBER OF OBSERVATIONS 768

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

177245 COLEMAN AAF DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

HEIGHT FEET	VISIBILITY STATUTE MILES															
	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2 20000	9.3	11.3	12.4	16.5	17.7	17.9	18.3	19.1	19.7	20.4	20.7	20.8	21.1	21.1	21.1	21.2
2 18000	13.5	16.3	17.4	22.1	23.6	24.1	24.5	25.3	25.9	26.7	27.0	27.1	27.4	27.4	27.4	27.6
2 16000	13.6	16.5	17.6	22.2	23.9	24.5	24.9	25.7	26.3	27.1	27.7	27.8	28.1	28.1	28.1	28.3
2 14000	13.4	16.5	17.6	22.2	23.9	24.5	24.9	25.7	26.3	27.1	27.7	27.8	28.1	28.1	28.1	28.3
2 12000	13.6	16.6	17.9	22.6	24.5	25.0	25.5	26.3	26.9	27.7	28.3	28.4	28.7	28.7	28.7	28.8
2 10000	13.9	17.7	18.3	23.1	25.3	25.9	26.3	27.1	27.7	28.6	29.1	29.3	29.5	29.5	29.5	29.7
2 8000	15.2	19.1	20.5	25.7	28.3	28.8	29.4	30.2	30.8	31.9	32.5	32.6	32.9	32.9	32.9	33.1
2 6000	15.6	20.0	21.8	27.0	30.0	30.5	31.2	32.2	32.8	33.9	34.9	34.6	34.9	34.9	34.9	35.0
2 4000	20.3	25.9	27.8	34.3	37.4	38.1	39.1	40.1	40.8	41.9	42.5	42.6	42.9	42.9	42.9	43.7
2 2000	23.2	29.5	31.6	39.5	42.9	43.6	44.6	46.1	46.8	48.0	48.5	48.7	48.9	49.1	49.1	49.2
1 6000	23.5	29.8	31.9	40.1	43.5	44.2	45.1	46.7	47.5	48.7	49.2	49.4	49.6	49.8	49.8	49.9
1 5000	26.3	33.8	35.9	44.2	47.8	48.5	49.6	51.3	52.2	53.6	54.1	54.3	54.6	54.7	54.7	54.9
1 4500	28.0	35.7	37.8	46.7	50.4	51.1	52.3	54.0	54.9	56.3	56.8	57.0	57.2	57.4	57.4	57.5
1 4000	29.7	37.6	39.9	49.2	52.9	53.6	54.9	56.5	57.4	59.1	59.6	59.8	60.1	60.2	60.2	60.3
1 3500	33.5	41.9	44.8	54.9	59.1	59.8	61.7	63.4	64.3	66.1	66.7	66.8	67.1	67.2	67.2	67.4
1 3000	37.4	47.7	50.8	62.2	66.5	67.2	69.8	71.4	72.3	74.1	75.0	75.1	75.4	75.5	75.5	75.7
1 2500	39.5	50.2	53.4	65.7	70.0	70.7	73.3	75.4	76.2	78.1	78.9	79.0	79.3	79.5	79.5	79.6
1 2000	42.1	53.6	57.1	70.6	75.5	76.2	78.9	81.2	82.0	83.8	84.7	85.1	85.4	85.5	85.5	85.7
1 1800	42.8	54.7	58.3	72.6	77.5	78.2	81.3	83.5	84.5	86.4	87.2	87.6	87.9	88.0	88.0	88.2
1 1500	43.3	55.7	59.9	74.1	79.0	79.9	83.5	85.8	86.8	88.9	89.7	90.3	90.6	90.7	90.7	90.9
1 1200	43.3	56.1	60.6	75.5	80.5	81.3	85.4	87.8	89.0	91.3	92.1	92.8	93.2	93.4	93.4	93.5
1 1000	43.3	56.1	60.6	75.8	80.9	81.7	85.9	88.5	89.9	92.7	93.5	94.2	94.7	94.8	94.8	94.9
1 900	43.3	56.1	60.6	75.8	81.0	81.9	86.1	88.7	90.2	93.0	93.8	94.5	94.9	95.1	95.1	95.2
1 800	43.3	56.1	60.6	75.8	81.0	81.9	86.1	88.7	90.1	93.4	94.2	94.9	95.4	95.5	95.5	95.6
1 700	43.3	56.1	60.6	75.8	81.0	81.9	86.2	88.9	90.4	93.5	94.4	95.1	95.5	95.6	95.6	95.8
1 600	43.3	56.1	60.6	75.8	81.3	82.1	86.5	89.2	90.7	94.2	95.1	95.9	96.3	96.5	96.5	96.6
1 500	43.3	56.1	60.6	75.8	81.3	82.1	86.5	89.2	90.7	94.5	95.6	96.6	97.2	97.6	97.6	97.7
1 400	43.3	56.1	60.6	75.8	81.3	82.1	86.5	89.2	90.9	95.1	96.5	97.7	98.3	98.7	98.7	98.9
1 300	43.3	56.1	60.6	75.8	81.3	82.1	86.5	89.2	90.9	95.2	96.9	98.5	99.2	99.6	99.6	100.0
1 200	43.3	56.1	60.6	75.8	81.3	82.1	86.5	89.2	90.9	95.2	96.9	98.5	99.2	99.6	99.6	100.0
1 100	43.3	56.1	60.6	75.8	81.3	82.1	86.5	89.2	90.9	95.2	96.9	98.5	99.2	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 711

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 7295 COLEMAN AAF DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05				
NO CEILING	14.2	16.6	17.7	20.7	21.6	22.0	22.9	23.1	24.4	24.4	24.6	25.1	25.3	25.3	25.3	25.3
≥ 20000	17.1	20.9	22.7	25.1	26.6	27.0	27.6	28.3	29.6	29.6	29.8	30.4	30.5	30.5	30.5	30.5
≥ 18000	17.9	21.0	22.9	25.7	27.2	27.6	28.3	29.1	30.4	30.4	30.5	31.1	31.3	31.3	31.3	31.3
≥ 16000	17.9	21.0	22.9	25.7	27.2	27.6	28.3	29.1	30.4	30.4	30.5	31.1	31.3	31.3	31.3	31.3
≥ 14000	17.7	21.2	22.7	25.9	27.4	27.7	28.5	29.2	30.5	30.5	30.7	31.3	31.5	31.5	31.5	31.5
≥ 12000	17.7	21.2	22.7	25.9	27.4	27.7	28.5	29.2	30.5	30.5	30.7	31.3	31.5	31.5	31.5	31.5
≥ 10000	18.2	22.0	23.9	27.0	28.7	29.1	29.8	30.9	31.8	31.8	32.0	32.6	32.8	32.8	32.8	32.8
≥ 9000	18.6	22.9	24.4	27.9	29.8	30.2	30.9	31.7	33.0	33.0	33.1	33.7	33.9	33.9	33.9	33.9
≥ 8000	22.9	27.6	29.2	34.5	36.9	37.1	37.8	38.9	40.2	40.2	40.4	41.0	41.2	41.2	41.2	41.2
≥ 7000	26.3	31.9	33.1	39.5	41.7	42.3	43.0	43.9	45.6	45.6	45.8	46.4	46.6	46.6	46.6	46.6
≥ 6000	28.1	33.3	35.0	41.3	44.1	44.7	45.4	46.4	48.2	48.2	48.4	49.0	49.2	49.2	49.2	49.2
≥ 5000	31.1	37.4	39.1	45.6	48.8	49.3	50.9	51.4	53.3	53.3	53.6	54.2	54.4	54.4	54.4	54.4
≥ 4500	33.3	39.7	41.3	48.4	52.0	52.9	53.6	54.6	56.4	56.4	56.8	57.4	57.5	57.5	57.5	57.5
≥ 4000	35.4	42.6	44.5	51.6	55.1	55.7	57.2	58.1	60.1	60.3	60.7	61.5	61.6	61.6	61.6	61.6
≥ 3500	38.7	46.4	48.8	56.6	60.3	60.9	62.6	63.7	65.9	66.1	66.5	67.2	67.4	67.4	67.4	67.4
≥ 3000	44.1	53.1	56.1	65.7	69.5	70.2	72.3	73.4	75.6	75.8	76.2	76.9	77.1	77.1	77.1	77.1
≥ 2500	44.3	54.7	57.0	67.6	71.5	72.3	74.5	75.8	78.0	78.2	78.6	79.3	79.5	79.5	79.5	79.5
≥ 2000	46.2	57.7	60.9	73.7	77.5	78.2	80.6	82.7	84.9	85.9	86.0	86.8	87.0	87.0	87.0	87.0
≥ 1800	46.9	59.0	62.2	75.2	79.0	79.7	82.1	84.4	86.6	87.2	87.7	88.5	88.6	88.6	88.6	88.6
≥ 1500	47.9	60.5	63.7	77.3	81.0	81.8	84.5	87.0	89.4	89.9	90.5	91.2	91.4	91.4	91.4	91.4
≥ 1200	47.9	60.5	63.7	77.8	81.8	82.5	85.3	87.7	90.3	90.9	91.4	92.9	93.1	93.5	93.5	93.5
≥ 1000	47.9	60.5	63.7	78.4	82.7	83.4	86.4	89.8	92.4	92.9	93.9	95.3	95.5	96.3	96.3	96.3
≥ 900	47.9	60.5	63.7	78.8	82.9	83.6	86.6	89.9	92.6	93.1	94.0	95.5	95.9	96.6	96.6	96.6
≥ 800	47.9	60.5	63.7	78.8	82.9	83.6	86.6	89.9	92.6	93.1	94.0	95.7	96.1	96.8	96.8	96.8
≥ 700	47.9	60.5	63.7	78.8	82.9	83.6	86.6	89.9	92.6	93.1	94.0	95.7	96.1	96.8	96.8	96.8
≥ 600	47.9	60.5	63.7	78.8	82.9	83.6	86.6	89.9	92.6	93.1	94.0	95.7	96.1	96.8	96.8	96.8
≥ 500	47.9	60.5	63.7	78.8	82.9	83.6	86.6	90.3	92.7	93.3	94.2	95.9	96.9	97.8	97.8	98.1
≥ 400	47.9	60.5	63.7	78.8	82.9	83.6	86.6	90.3	92.9	93.5	94.4	96.3	96.8	98.1	98.1	98.5
≥ 300	47.9	60.5	63.7	78.8	82.9	83.6	86.6	90.5	93.1	93.7	94.8	96.6	97.2	98.9	98.9	98.9
≥ 200	47.9	60.5	63.7	78.8	82.9	83.6	86.6	90.5	93.1	93.7	94.8	96.6	97.6	98.9	98.9	99.4
≥ 100	47.9	60.5	63.7	78.8	82.9	83.6	86.6	90.5	93.1	93.7	94.8	96.6	97.6	99.1	99.4	100.0
≥ 0	47.9	60.5	63.7	78.8	82.9	83.6	86.6	90.5	93.1	93.7	94.8	96.6	97.6	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 537

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

1 2085 COLEMAN AAF DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	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
NO CEILING	9.7	10.9	12.2	15.3	16.4	16.7	17.7	18.9	19.9	20.4	20.7	21.0	21.1	21.3	21.4	21.6
2 9999	11.1	13.9	15.3	19.0	20.4	20.8	22.0	23.3	24.0	25.0	25.3	25.7	25.8	26.7	26.1	26.3
2 18000	11.2	14.1	15.6	19.3	20.8	21.1	22.4	23.7	24.3	25.4	25.8	26.1	26.3	26.4	26.6	26.8
2 15000	11.3	14.1	15.6	19.3	20.8	21.2	22.4	23.7	24.4	25.4	25.8	26.2	26.3	26.5	26.6	26.8
2 14000	11.3	14.5	16.7	19.7	21.2	21.6	22.8	24.2	24.8	25.8	26.2	26.6	26.8	26.9	27.1	27.3
2 12000	11.6	14.8	16.3	20.1	21.7	22.1	23.3	24.7	25.4	26.5	26.9	27.2	27.4	27.6	27.7	27.9
2 10000	12.7	16.5	18.1	22.4	24.1	24.5	25.9	27.3	28.0	29.2	29.6	30.0	30.2	30.3	30.5	30.7
2 9000	13.3	17.4	19.2	23.5	25.5	25.9	27.4	29.0	29.6	30.9	31.3	31.7	31.8	32.0	32.1	32.3
2 8000	17.3	22.2	24.4	29.6	32.0	32.6	34.4	36.0	36.8	38.1	38.5	38.9	39.1	39.2	39.4	39.6
2 7000	17.5	24.9	27.2	33.2	35.7	36.2	38.0	39.9	40.7	41.9	42.4	42.8	42.9	43.1	43.3	43.5
2 6000	23.4	25.9	28.3	34.4	37.0	37.6	39.4	41.2	42.1	43.4	43.8	44.2	44.4	44.6	44.7	44.9
2 5000	23.3	29.5	32.1	38.8	41.6	42.2	44.2	46.3	47.2	48.7	49.3	49.6	49.8	50.0	50.1	50.4
2 4500	24.9	31.2	34.7	41.1	44.2	44.8	46.9	48.9	49.9	51.4	51.9	52.3	52.5	52.6	52.8	53.0
2 4000	27.1	33.7	36.8	45.1	48.4	49.0	51.3	53.5	54.6	56.3	56.8	57.2	57.4	57.6	57.7	57.9
2 3500	33.4	37.7	41.3	50.3	53.9	54.5	57.1	59.4	60.5	62.4	63.0	63.4	63.5	63.7	63.9	64.1
2 3000	33.7	42.1	46.1	56.3	62.3	61.0	64.0	66.3	67.5	69.4	70.1	70.5	70.7	70.9	71.1	71.3
2 2500	35.7	44.7	48.9	60.0	64.2	64.9	68.3	70.8	72.2	74.2	74.9	75.3	75.5	75.7	75.8	76.0
2 2000	38.3	48.4	53.0	65.9	71.0	71.9	75.7	78.6	80.1	82.3	83.1	83.5	83.7	83.9	84.1	84.3
2 1800	38.8	49.3	54.0	67.7	72.8	73.7	77.8	80.9	82.4	84.7	85.5	86.0	86.2	86.4	86.6	86.8
2 1500	39.4	50.3	55.1	69.2	74.7	75.6	80.1	83.4	85.0	87.4	88.2	88.8	89.0	89.3	89.4	89.6
2 1200	39.4	50.5	55.5	70.1	75.9	76.8	81.8	85.3	87.0	89.5	90.2	91.0	91.3	91.6	91.8	92.0
2 1000	39.4	50.5	55.6	70.4	76.2	77.2	82.2	86.0	87.7	90.4	91.3	92.1	92.4	92.7	92.9	93.2
2 900	39.4	50.5	55.6	70.4	76.3	77.3	82.3	86.1	87.9	90.7	91.5	92.3	92.6	93.0	93.1	93.4
2 800	39.4	50.5	55.6	70.4	76.4	77.3	82.5	86.4	88.2	91.2	92.0	92.8	93.2	93.5	93.7	94.0
2 700	39.4	50.5	55.6	70.5	76.6	77.6	82.7	86.6	88.4	91.6	92.5	93.4	93.7	94.1	94.3	94.6
2 600	39.4	50.6	55.7	70.6	76.7	77.7	82.9	86.8	88.7	92.0	93.3	94.1	94.6	94.9	95.1	95.4
2 500	39.4	50.6	55.7	70.6	76.7	77.8	83.1	87.1	89.0	92.6	94.1	95.0	95.6	96.2	96.3	96.7
2 400	39.4	50.6	55.7	70.6	76.7	77.8	83.1	87.2	89.2	93.0	94.7	95.8	96.5	97.2	97.4	97.8
2 300	39.4	50.6	55.7	70.6	76.7	77.8	83.1	87.2	89.2	93.3	95.1	96.3	97.1	97.8	98.1	98.6
2 200	39.4	50.6	55.7	70.6	76.7	77.8	83.1	87.2	89.2	93.4	95.2	96.5	97.5	98.3	98.7	99.4
2 100	39.4	50.6	55.7	70.6	76.7	77.8	83.1	87.2	89.3	93.4	95.3	96.6	97.6	98.6	99.1	100.0
2 0	39.4	50.6	55.7	70.6	76.7	77.8	83.1	87.2	89.3	93.4	95.3	96.6	97.6	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 3414

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

107295  
STATION

COLEMAN AAF DL  
STATION NAME

73-81  
YEAR

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
TIME PERIOD

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	≥0.02	≥0.01
NO CEILING	8.2	12.0	14.3	19.0	21.2	21.5	22.9	24.4	24.7	25.4	25.8	25.8	26.6	26.8	26.8	27.3
≥ 20000	8.9	13.1	15.5	20.5	22.7	23.1	24.4	26.1	26.6	27.3	27.6	27.6	28.5	28.6	28.6	29.1
18000	8.8	13.1	15.5	20.7	22.9	23.2	24.6	26.3	26.8	27.4	27.8	27.8	28.6	28.8	28.8	29.3
16000	8.8	13.1	15.5	21.7	22.9	23.2	24.6	26.3	26.8	27.4	27.8	27.8	28.6	28.8	28.8	29.3
14000	8.8	13.1	15.5	20.7	22.9	23.2	24.6	26.3	26.8	27.6	27.9	27.9	28.8	29.0	29.0	29.5
12000	8.8	13.1	15.5	20.7	22.9	23.2	24.6	26.3	26.8	27.6	27.9	27.9	28.8	29.0	29.0	29.5
10000	9.3	14.0	16.7	22.9	25.1	25.4	26.9	28.6	29.1	30.0	30.3	30.3	31.1	31.3	31.5	32.0
9000	9.9	15.0	17.8	24.6	26.8	27.1	28.6	30.5	31.7	31.8	32.2	32.2	33.0	33.2	33.3	33.8
8000	12.0	18.4	21.7	29.6	32.3	32.7	34.3	36.7	37.4	38.4	38.7	38.7	39.6	39.7	39.9	40.4
7000	13.5	20.4	23.9	32.8	35.4	35.7	37.5	39.9	40.6	41.6	41.9	41.9	42.9	43.1	43.3	43.8
6000	13.5	20.4	23.9	33.0	36.0	36.4	38.4	40.7	41.4	42.8	43.1	43.1	44.1	44.3	44.4	44.9
5000	15.2	23.1	27.1	37.0	40.2	40.6	42.6	45.3	46.0	47.5	47.8	47.8	48.8	49.2	49.3	49.8
4500	17.7	27.1	31.3	41.8	45.1	45.5	47.6	50.3	51.0	52.5	52.9	52.9	53.9	54.2	54.4	54.9
4000	18.5	28.5	32.8	44.6	48.0	48.3	50.7	53.4	54.0	55.6	55.9	55.9	57.1	57.4	57.6	58.1
3500	21.2	32.2	36.9	49.2	52.7	53.4	56.4	59.3	60.3	61.8	62.1	62.1	63.3	63.6	63.8	64.3
3000	22.9	34.3	39.2	51.9	55.6	56.2	59.9	63.5	64.5	66.2	66.5	66.5	67.7	68.0	68.2	68.7
2500	24.9	37.7	43.1	56.7	60.8	61.3	65.7	69.5	70.5	72.4	72.7	72.7	73.9	74.2	74.4	74.9
2000	26.9	40.2	46.8	64.1	68.2	69.2	74.1	78.5	79.5	81.5	81.8	81.8	83.0	83.3	83.5	84.0
1800	27.1	40.4	47.0	64.6	69.0	70.0	75.3	79.6	80.6	82.7	83.0	83.0	84.2	84.5	84.7	85.2
1500	27.4	41.1	47.6	66.8	71.7	72.7	77.9	82.5	83.5	85.7	86.0	86.0	87.2	87.7	87.9	88.4
1200	27.4	41.1	47.6	67.3	72.7	73.7	79.0	83.5	84.7	87.5	88.0	88.0	89.2	89.7	89.9	90.4
1000	27.4	41.1	47.6	67.3	72.7	73.7	79.1	83.7	84.8	87.7	88.2	88.2	89.4	89.9	90.1	90.6
900	27.4	41.1	47.6	67.3	72.7	73.7	79.3	84.0	85.5	88.4	88.9	88.9	90.1	90.6	90.7	91.2
800	27.4	41.1	47.6	67.3	72.7	73.7	79.6	84.2	85.7	88.6	89.1	89.1	90.2	90.7	90.9	91.4
700	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.7	86.2	89.4	89.9	89.9	91.1	91.6	91.8	92.3
600	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.7	86.2	89.4	89.9	89.9	91.1	91.6	91.8	92.3
500	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.7	86.2	90.2	91.1	91.2	92.4	93.1	93.3	93.8
400	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.8	86.4	90.7	91.6	91.6	92.9	93.6	93.8	94.4
300	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.8	86.4	90.7	91.9	92.1	93.3	94.1	94.3	95.1
200	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.8	86.4	90.9	92.1	92.9	94.1	95.8	96.1	97.8
100	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.8	86.4	91.1	92.4	93.3	94.4	96.3	96.6	99.2
0	27.4	41.1	47.6	67.4	73.2	74.2	80.1	84.8	86.4	91.1	92.4	93.6	94.8	96.6	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 594

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

177295 COLEMAN AAF DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	21	24	23	22	20	21	24	23	22	20	21	24	23	22
NO CEILING	8.2	11.1	12.7	17.1	20.4	23.8	23.1	24.0	24.7	24.7	25.3	25.3	25.4	25.8	25.8	26.5
20000	8.7	12.5	14.3	19.0	23.1	23.5	26.3	27.2	27.2	28.0	28.5	28.5	28.7	29.1	29.1	29.8
20000	8.8	12.6	14.5	19.3	23.5	23.9	26.4	27.6	27.6	28.4	28.9	28.9	29.1	29.5	29.5	30.2
20000	9.1	12.9	14.8	19.6	23.8	24.2	26.6	27.9	27.9	28.7	29.2	29.2	29.3	29.8	29.8	30.4
20000	9.5	13.3	15.2	20.1	24.3	24.7	27.2	28.4	28.4	29.2	29.8	29.8	29.9	30.3	30.3	31.0
20000	10.3	14.4	16.3	21.3	25.5	26.1	28.7	30.2	30.2	31.0	31.5	31.5	31.6	32.3	32.3	33.0
20000	11.7	15.1	17.1	23.4	27.6	28.1	30.7	32.3	32.3	33.2	33.7	33.7	34.0	34.5	34.5	35.2
20000	13.7	18.9	21.3	28.9	33.6	34.4	37.2	39.1	39.3	40.1	40.6	40.6	40.9	41.4	41.4	42.3
20000	15.2	20.4	23.0	30.8	35.9	36.7	39.8	42.3	42.4	43.3	43.9	44.0	44.3	44.8	44.8	45.7
20000	15.6	20.8	23.5	31.7	36.8	37.8	41.2	43.6	43.8	45.1	45.7	45.8	46.1	46.6	46.6	47.4
20000	17.5	24.2	27.3	36.0	41.4	42.5	46.2	49.0	49.3	50.8	51.4	51.5	51.8	52.3	52.3	53.1
20000	19.4	26.8	30.4	38.7	44.2	45.2	49.2	52.2	52.4	53.9	54.5	54.6	54.9	55.4	55.4	56.3
20000	21.1	28.7	32.3	41.8	47.4	48.5	52.7	56.0	56.3	57.9	58.6	58.7	59.1	59.8	59.8	60.6
20000	23.5	31.9	35.9	45.8	52.2	53.4	58.3	61.8	62.1	63.7	64.4	64.5	64.9	65.6	65.6	66.4
20000	26.8	36.1	40.4	50.4	57.1	58.4	64.0	67.5	67.9	69.6	70.2	70.4	70.8	71.5	71.5	72.3
20000	28.4	38.3	42.8	53.7	60.5	61.8	67.5	71.1	71.6	73.4	74.0	74.2	74.6	75.3	75.3	76.1
20000	30.6	41.2	46.5	59.8	67.1	68.9	75.4	79.5	80.3	82.2	83.0	83.3	83.7	84.4	84.4	85.2
20000	30.7	41.4	46.7	60.5	68.1	69.8	76.8	80.8	81.7	83.6	84.4	84.8	85.1	85.7	85.7	86.5
20000	30.3	41.6	46.9	60.9	68.8	70.8	77.9	81.9	82.7	85.2	86.0	86.3	86.7	87.4	87.4	88.2
20000	31.1	41.7	47.0	61.0	69.4	71.9	79.3	83.8	84.8	87.6	88.9	89.1	89.5	90.2	90.2	91.0
20000	31.1	41.7	47.1	61.0	69.4	71.9	79.3	84.0	85.1	88.0	89.4	89.7	90.1	90.8	90.8	91.6
20000	31.0	41.7	47.0	61.0	69.4	71.9	79.3	84.0	85.2	88.2	89.5	89.8	90.2	90.9	90.9	91.7
20000	31.0	41.7	47.0	61.1	69.6	72.0	79.5	84.1	85.7	88.7	90.1	90.4	90.8	91.4	91.4	92.3
20000	31.1	41.7	47.0	61.1	69.6	72.1	79.6	84.4	86.0	89.0	90.4	90.6	91.0	91.7	91.7	92.5
20000	31.1	41.7	47.0	61.1	69.6	72.1	79.6	84.5	86.4	89.4	90.8	91.0	91.6	92.3	92.3	93.1
20000	31.0	41.7	47.0	61.1	69.6	72.1	79.6	84.5	86.5	90.1	92.0	92.7	93.2	94.0	94.0	94.8
20000	31.0	41.7	47.0	61.1	69.6	72.1	79.6	84.6	86.8	90.4	92.4	93.3	94.0	94.8	95.0	96.1
20000	31.1	41.7	47.0	61.1	69.6	72.1	79.8	84.6	86.8	90.4	92.5	93.8	94.4	95.4	95.5	96.7
20000	31.1	41.7	47.0	61.1	69.6	72.1	79.8	84.6	86.8	90.4	92.5	93.8	94.4	96.1	96.2	98.2
20000	31.1	41.7	47.0	61.1	69.6	72.1	79.8	84.6	86.8	90.4	92.5	93.8	94.4	96.1	96.2	99.3
20000	31.0	41.7	47.0	61.1	69.6	72.1	79.8	84.6	86.8	90.5	92.7	93.9	94.6	96.3	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 7225 COLEMAN, AAF DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
NO FENING	12.1	18.4	19.4	23.8	27.5	27.9	28.3	29.6	29.6	30.3	30.8	31.1	31.1	31.2	31.4	31.5
1-2000	12.1	20.1	21.0	26.7	31.4	31.9	32.3	33.8	33.8	34.5	35.7	35.3	35.3	35.4	35.5	35.7
2-1800	17.1	27.6	21.9	27.5	32.0	32.2	33.1	34.6	34.6	35.3	35.8	36.1	36.1	36.2	36.3	36.5
3-1600	13.1	22.6	21.5	27.9	32.0	32.2	33.1	34.6	34.6	35.3	35.8	36.1	36.1	36.2	36.3	36.5
4-1400	13.7	21.4	22.3	28.3	32.8	33.7	33.9	35.4	35.4	36.1	36.6	36.9	36.9	37.0	37.1	37.3
5-1200	14.9	22.2	23.1	29.1	33.6	33.8	34.7	36.2	36.2	36.9	37.4	37.7	37.7	37.8	38.0	38.1
6-1000	15.9	23.3	24.4	30.4	35.5	35.7	36.9	38.9	38.9	39.7	40.4	40.6	40.6	40.9	40.9	41.0
7-800	15.6	23.6	24.8	31.5	36.6	36.7	38.1	40.1	40.1	40.9	41.6	41.9	41.9	42.0	42.1	42.3
8-600	18.3	27.1	28.5	35.8	41.6	41.7	43.1	45.5	45.6	46.4	47.1	47.5	47.5	47.6	47.8	47.9
9-400	19.9	28.8	30.8	38.8	44.7	44.8	46.3	48.7	48.9	49.7	50.3	50.7	50.7	50.9	51.0	51.1
10-200	20.1	29.5	31.5	39.4	46.0	46.2	47.6	50.1	50.2	51.0	51.7	52.2	52.4	52.5	52.6	52.9
11-NDP	22.9	33.4	35.7	44.0	50.9	51.3	52.9	55.9	56.0	57.2	57.9	58.4	58.5	58.7	58.8	59.7
12-NDP	24.4	35.7	38.7	46.4	53.7	54.1	55.7	58.7	58.8	60.0	60.7	61.2	61.4	61.5	61.6	61.8
13-NDP	26.5	38.0	40.2	49.0	56.7	57.1	58.8	61.9	62.2	63.7	64.3	64.9	65.0	65.1	65.3	65.4
14-3500	29.6	42.1	44.4	53.6	61.6	62.0	63.8	66.9	67.2	68.6	69.3	69.9	70.0	70.1	70.3	70.4
15-3000	32.7	47.4	49.8	59.9	67.8	68.2	70.4	73.5	73.8	75.2	75.9	76.4	76.6	76.7	76.9	77.0
16-2800	34.5	50.3	53.4	64.1	72.9	73.4	75.8	79.0	79.3	80.8	81.6	82.2	82.4	82.5	82.6	82.9
17-2600	36.5	52.6	56.1	68.0	77.9	78.3	81.8	85.5	85.9	87.3	88.2	88.8	89.1	89.2	89.4	89.5
18-2400	35.5	52.6	56.1	68.6	78.9	79.3	82.8	86.7	87.3	88.8	89.8	90.4	90.7	90.8	91.0	91.1
19-2200	36.9	53.1	56.5	69.2	79.4	80.2	83.8	87.9	88.7	90.3	91.3	91.9	92.2	92.3	92.5	92.6
20-2000	37.3	53.4	56.9	69.7	79.9	80.9	84.8	89.1	90.2	92.3	93.5	94.2	94.5	94.6	94.8	94.9
21-1800	37.3	53.4	56.9	69.7	79.9	80.9	84.9	89.4	90.6	92.7	93.9	94.6	94.9	95.0	95.2	95.3
22-1600	37.3	53.4	56.9	70.1	80.5	81.4	85.5	89.9	91.3	93.4	94.6	95.3	95.6	95.7	95.8	96.0
23-1400	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.2	91.5	93.7	94.9	95.6	95.8	96.0	96.1	96.2
24-1200	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.4	91.8	94.1	95.4	96.1	96.4	96.5	96.6	96.8
25-1000	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.4	91.8	94.9	96.5	97.6	97.8	98.1	98.1	98.3
26-800	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.4	91.8	94.9	96.9	98.0	98.3	98.7	98.8	98.9
27-600	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.4	91.8	94.9	96.9	98.1	98.4	98.9	99.1	99.2
28-400	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.4	91.8	94.9	96.9	98.1	98.4	98.9	99.2	99.6
29-200	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.4	91.8	94.9	96.9	98.1	98.4	98.9	99.2	99.6
30	37.3	53.4	56.9	70.4	80.8	81.7	85.7	90.4	91.8	95.2	97.2	98.4	98.8	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 743



2  
 FEDERAL CLIMATOLOGY BRANCH  
 CEASTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

107045 COLEMAN AAF DL

73-81

FE

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

11.1	22.4	27.9	29.0	30.6	30.6	31.5	32.7	33.1	33.4	33.8	34.3	34.3	34.3	34.3	34.3
18.6	26.9	28.0	30.4	36.6	36.6	37.5	39.1	39.7	40.0	40.6	40.7	41.0	41.7	41.7	41.7
18.7	27.2	28.6	35.1	37.3	37.3	38.2	39.8	40.4	40.7	41.3	41.4	41.7	41.7	41.7	41.7
18.7	27.2	28.6	35.1	37.3	37.3	38.2	39.8	40.4	40.7	41.3	41.4	41.7	41.7	41.7	41.7
19.5	28.1	29.4	36.2	39.4	38.4	39.2	40.8	41.4	41.7	42.3	42.5	42.8	42.8	42.8	42.8
19.9	29.7	31.3	37.3	39.2	39.2	40.1	41.7	42.3	42.8	43.3	43.5	43.8	43.8	43.8	43.8
20.3	30.2	31.5	38.5	41.0	41.0	41.9	43.8	44.5	44.9	45.5	45.8	46.1	46.1	46.1	46.1
21.5	30.9	32.2	39.2	42.3	42.3	43.2	45.1	45.8	46.3	46.9	47.1	47.4	47.4	47.4	47.4
24.5	35.9	36.3	43.3	46.6	46.6	47.9	49.8	50.5	51.2	51.8	52.1	52.4	52.4	52.4	52.4
26.1	37.3	38.7	46.3	49.5	49.5	50.8	53.1	53.9	54.8	55.5	55.8	56.1	56.1	56.1	56.1
26.2	37.5	38.8	46.4	49.8	49.8	51.1	53.4	54.3	55.2	55.9	56.2	56.5	56.5	56.5	56.5
27.6	42.7	43.3	52.1	55.5	55.5	57.0	59.6	60.8	61.6	62.4	62.7	63.0	63.0	63.0	63.0
30.7	43.6	45.4	53.9	57.5	57.5	59.0	61.6	62.8	63.7	64.4	64.7	65.0	65.0	65.0	65.0
33.4	46.9	48.6	57.8	61.5	61.6	63.1	65.7	66.9	67.9	68.7	69.0	69.3	69.3	69.3	69.3
35.6	50.2	52.7	61.3	65.2	65.3	66.9	69.8	71.0	72.0	72.8	73.1	73.4	73.4	73.4	73.4
39.7	54.3	56.4	66.2	70.7	70.9	72.6	75.5	76.9	77.9	78.6	78.9	79.2	79.2	79.2	79.2
40.1	57.7	60.3	70.4	75.3	75.4	77.3	80.8	82.1	83.2	83.9	84.2	84.5	84.5	84.5	84.5
42.6	60.3	63.1	75.3	80.2	80.5	83.9	88.3	89.8	90.8	91.5	91.8	92.1	92.1	92.1	92.1
42.8	60.5	63.3	75.3	80.5	80.8	84.2	88.6	90.0	91.1	91.8	92.1	92.4	92.4	92.4	92.4
43.2	61.1	63.8	76.3	81.3	81.7	85.5	90.6	92.4	93.7	94.4	94.7	95.0	95.0	95.0	95.0
43.2	61.1	64.7	76.6	82.0	82.4	86.2	91.8	93.9	95.3	96.3	96.5	96.8	96.8	96.8	96.8
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.0	76.7	82.1	82.6	86.7	92.5	94.6	96.0	96.8	97.2	97.7	97.7	97.7	97.7
43.2	61.1	64.7	76.7	82.1	82.6	86.7	92.5	94							



FEDERAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17205 COLEMAN AAF DL

73-31

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

CEILING	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
100	11.7	16.8	18.7	22.6	25.1	23.3	26.6	28.0	28.3	29.2	29.3	29.5	29.7	29.7	30.0				
90	13.0	19.4	20.7	26.2	29.1	29.5	30.8	32.4	32.7	33.3	33.7	33.8	34.1	34.3	34.3	34.6			
80	13.2	19.6	21.0	26.6	29.6	30.0	31.3	32.9	33.3	33.8	34.3	34.3	34.6	34.8	34.8	35.1			
70	13.5	20.1	21.5	27.1	30.1	30.4	31.8	33.4	33.7	34.3	34.8	34.9	35.1	35.3	35.3	35.6			
60	14.0	20.6	22.0	27.7	30.7	31.1	32.4	34.0	34.3	35.0	35.4	35.5	35.8	35.9	36.0	36.2			
50	14.9	21.9	23.3	29.4	32.6	33.0	34.5	36.3	36.7	37.3	37.8	37.9	38.2	38.4	38.5	38.8			
40	15.6	22.7	24.3	30.9	34.2	34.6	36.1	38.0	38.4	39.0	39.5	39.7	39.9	40.1	40.2	40.5			
30	13.3	25.6	28.4	35.8	39.5	40.0	41.7	43.9	44.3	45.1	45.7	45.8	46.1	46.3	46.4	46.7			
20	19.4	28.6	30.7	38.6	42.5	42.9	44.7	47.2	47.7	48.6	49.1	49.3	49.6	49.8	49.9	50.2			
10	20.1	29.0	31.1	39.3	43.4	43.9	45.8	48.2	48.8	49.8	50.3	50.6	50.9	51.1	51.2	51.5			
0	22.7	32.6	35.1	43.9	48.3	48.9	51.0	53.8	54.4	55.6	56.1	56.4	56.7	57.0	57.0	57.3			
100	24.4	34.9	37.9	46.5	51.1	51.7	53.9	56.7	57.4	58.5	59.1	59.3	59.6	59.9	60.0	60.3			
90	26.2	37.4	41.1	49.8	54.5	55.1	57.5	60.4	61.1	62.5	63.0	63.3	63.7	63.9	64.0	64.3			
80	28.7	41.0	43.9	53.9	59.1	59.8	62.5	65.6	66.3	67.7	68.2	68.5	68.9	69.2	69.2	69.5			
70	31.3	44.7	47.8	58.2	63.7	64.4	67.5	70.8	71.6	73.1	73.7	73.9	74.3	74.6	74.7	75.0			
60	33.2	47.5	51.1	62.4	68.1	68.9	72.3	75.8	76.7	78.2	78.8	79.1	79.5	79.7	79.9	80.2			
50	35.3	50.2	54.4	67.8	74.1	75.1	79.5	83.6	84.5	86.1	86.8	87.1	87.5	87.9	87.9	88.2			
40	35.4	50.4	54.6	68.3	74.9	75.8	80.4	84.5	85.6	87.1	87.8	88.1	88.6	88.9	89.0	89.3			
30	35.3	50.8	55.1	69.3	76.1	77.2	82.0	86.4	87.6	89.5	90.2	90.5	90.9	91.3	91.3	91.6			
20	35.9	51.7	55.3	69.9	76.9	78.2	83.2	87.7	89.1	91.4	92.3	92.6	93.1	93.4	93.5	93.9			
10	36.0	51.9	55.3	69.9	77.0	78.3	83.4	88.1	89.6	91.9	92.8	93.1	93.6	94.0	94.0	94.3			
0	36.0	51.0	55.3	70.0	77.1	78.4	83.6	88.3	89.4	92.1	93.1	93.4	93.9	94.2	94.3	94.6			
100	36.1	51.0	55.3	70.1	77.2	78.5	83.7	88.4	90.1	92.4	93.4	93.7	94.1	94.5	94.6	94.9			
90	36.1	51.0	55.3	70.2	77.3	78.6	83.9	88.7	90.4	92.8	93.7	94.1	94.5	94.9	94.9	95.2			
80	36.0	51.1	55.3	70.2	77.3	78.6	83.9	88.8	90.6	93.1	94.1	94.5	95.0	95.3	95.4	95.7			
70	36.1	51.0	55.3	70.2	77.3	78.6	83.9	88.8	90.6	93.6	94.8	95.5	96.0	96.5	96.6	96.9			
60	36.0	51.0	55.3	70.2	77.3	78.6	83.9	88.9	90.7	93.8	95.1	95.9	96.4	97.0	97.1	97.6			
50	36.1	51.0	55.3	70.2	77.3	78.6	83.9	88.9	90.7	93.8	95.2	96.1	96.7	97.4	97.5	98.0			
40	36.1	51.0	55.3	70.2	77.3	78.6	83.9	88.9	90.7	93.8	95.2	96.3	96.9	97.9	98.0	99.1			
30	36.1	51.0	55.3	70.2	77.3	78.6	83.9	88.9	90.7	93.8	95.3	96.3	96.9	98.1	98.1	99.6			
20	36.1	51.0	55.3	70.2	77.3	78.6	83.9	88.9	90.7	93.9	95.4	96.5	97.1	98.2	98.4	100.0			

TOTAL NUMBER OF OBSERVATIONS 3281

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

1 7215 COLEMAN AAF DL

73-81

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS.

3600-6800

1000	12.3	16.1	19.2	23.1	24.3	24.5	25.9	27.5	28.3	28.4	28.6	28.6	28.6	29.0	29.0	29.7
900	15.6	19.8	23.1	27.7	29.0	29.3	31.0	32.9	33.9	34.2	34.4	34.4	34.4	35.7	35.7	35.3
800	15.3	19.9	23.2	27.8	29.3	29.6	31.3	33.3	34.1	34.5	34.7	34.7	34.7	35.3	35.3	35.3
700	15.3	20.4	23.7	28.3	29.9	30.2	31.8	33.9	35.1	35.4	35.6	35.6	35.6	36.2	36.2	36.2
600	16.7	21.0	24.6	29.3	31.0	31.3	32.9	35.1	36.3	36.9	37.1	37.1	37.1	37.6	37.6	37.6
500	16.3	21.7	25.4	30.8	32.9	33.2	35.0	37.8	39.7	40.2	40.3	40.3	40.3	40.9	40.9	40.9
400	18.2	23.2	27.1	32.7	35.1	35.3	37.2	40.2	41.4	42.6	42.7	42.7	42.7	43.5	43.5	43.5
300	21.4	25.4	32.7	39.6	42.1	42.6	44.6	48.1	49.3	50.6	50.7	50.7	51.7	51.9	52.1	52.1
200	22.4	30.8	35.4	42.9	45.5	46.0	48.1	51.5	52.8	54.2	54.3	54.3	54.6	55.5	55.7	55.7
100	24.7	32.7	37.9	45.4	48.2	48.7	50.9	54.3	55.7	57.4	57.4	57.6	57.6	57.9	58.8	58.9
50	27.8	37.6	42.7	51.1	54.0	54.5	57.1	60.6	61.9	64.0	64.1	64.3	64.6	65.5	65.6	65.6
25	29.7	39.9	45.4	54.5	58.2	58.6	61.3	65.0	66.4	68.5	68.6	68.8	69.2	70.1	70.2	70.2
10	30.1	41.9	47.6	57.6	61.3	61.8	64.4	68.3	69.8	71.9	72.7	72.3	72.6	73.5	73.7	73.7
5	32.5	44.8	51.2	61.6	65.5	65.9	68.8	72.8	74.3	76.3	76.5	76.6	77.1	78.0	78.3	78.3
2	35.6	48.5	55.2	66.8	71.0	71.6	74.6	78.6	80.1	82.1	82.4	82.6	83.0	83.9	84.2	84.2
1	36.7	49.6	56.4	68.6	73.2	74.7	76.9	81.1	82.6	84.7	85.7	85.7	86.6	86.6	86.9	86.9
0.5	39.2	53.3	61.0	74.0	78.9	79.8	82.7	87.2	88.7	90.8	91.2	91.4	92.7	92.9	93.2	93.2
0.2	38.5	53.6	61.5	74.6	79.6	80.5	83.8	88.2	89.7	91.8	92.3	92.4	93.7	93.9	94.2	94.2
0.1	39.5	53.7	61.9	75.3	80.2	81.1	84.4	89.0	90.6	92.9	93.3	93.8	94.3	95.2	95.5	95.5
0.05	38.5	53.9	61.9	75.1	81.7	81.5	84.8	89.6	91.2	93.5	93.9	94.3	95.1	96.3	96.6	96.6
0.02	38.5	54.0	62.1	75.9	81.4	82.3	85.9	90.9	92.9	95.1	95.5	96.0	96.7	97.9	98.2	98.2
0.01	39.5	54.0	62.1	75.9	81.4	82.3	85.9	90.9	92.9	95.1	95.5	96.0	96.7	97.9	98.2	98.2
0.005	39.5	54.0	62.1	75.9	81.4	82.4	86.0	91.1	93.0	95.2	95.7	96.1	96.9	98.1	98.4	98.4
0.002	38.5	54.0	62.1	75.9	81.4	82.4	86.0	91.2	93.2	95.5	96.1	96.6	97.3	98.5	98.8	98.8
0.001	38.9	54.0	62.1	75.9	81.4	82.4	86.0	91.4	93.3	95.7	96.3	96.7	97.5	98.7	99.0	99.0
0.0005	38.5	54.7	62.1	75.9	81.4	82.4	86.0	91.5	93.5	95.8	96.4	96.9	97.6	98.8	99.1	99.1
0.0002	38.9	54.7	62.1	75.9	81.4	82.4	86.0	91.5	93.5	95.8	96.4	96.9	97.6	98.8	99.1	99.4
0.0001	38.5	54.0	62.1	75.9	81.4	82.4	86.0	91.5	93.5	95.8	96.4	96.9	97.6	98.8	99.1	99.4
0.00005	38.5	54.0	62.1	75.9	81.4	82.4	86.0	91.5	93.5	95.8	96.6	97.0	97.8	99.0	99.3	100.0
0.00002	38.5	54.0	62.1	75.9	81.4	82.4	86.0	91.5	93.5	95.8	96.6	97.0	97.8	99.0	99.3	100.0
0.00001	38.5	54.0	62.1	75.9	81.4	82.4	86.0	91.5	93.5	95.8	96.6	97.0	97.8	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW LEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION COLEMAN AAF DL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1900-1100

CEILING	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	13.3	18.4	27.4	24.2	26.7	27.5	28.5	29.7	30.2	30.3	30.6	30.8	31.7	31.0	31.7	31.7			
900	17.9	23.7	25.7	30.7	33.8	34.9	36.2	38.1	38.7	38.8	39.1	39.3	39.4	39.4	39.4	39.4			
800	15.1	24.3	26.3	31.3	34.4	35.5	36.9	38.7	39.3	39.4	39.7	39.9	40.0	40.0	40.0	40.0			
700	18.1	24.3	26.3	31.3	34.4	35.5	36.9	38.7	39.3	39.4	39.7	39.9	40.0	40.0	40.0	40.0			
600	18.4	24.7	26.7	31.7	35.1	36.2	37.6	39.4	40.0	40.2	40.4	40.7	40.8	40.8	40.8	40.8			
500	19.0	25.3	27.3	32.3	36.0	37.1	38.5	40.3	40.9	41.0	41.3	41.5	41.6	41.6	41.6	41.6			
400	20.5	27.8	31.1	35.6	39.6	40.7	42.6	45.2	46.3	46.6	46.8	47.1	47.2	47.2	47.2	47.2			
300	21.4	29.4	31.7	37.8	41.9	43.1	45.1	47.8	49.1	49.5	49.8	50.0	50.1	50.1	50.1	50.1			
200	25.7	34.8	37.3	44.5	48.8	50.0	52.5	55.3	56.9	57.5	57.7	58.0	58.2	58.2	58.4	58.4			
100	23.5	39.4	42.4	49.8	54.1	55.3	57.7	60.7	62.3	63.1	63.4	63.6	63.9	63.9	64.1	64.1			
0	29.2	45.4	44.8	51.7	56.1	57.4	59.8	62.9	64.5	65.6	65.8	66.1	66.3	66.3	66.5	66.5			
	31.7	43.5	47.2	55.2	59.8	61.1	63.9	67.1	68.8	70.1	70.4	70.6	70.9	70.9	71.0	71.0			
	31.9	44.2	48.0	56.3	61.1	62.3	65.2	68.4	70.1	71.5	71.7	72.3	72.2	72.2	72.4	72.4			
	32.9	45.5	49.8	58.6	63.5	64.7	67.7	71.0	72.7	74.2	74.4	74.8	75.1	75.1	75.3	75.3			
	35.7	48.9	53.8	63.6	68.9	73.1	73.1	76.5	78.3	79.9	80.1	80.5	80.7	80.7	81.0	81.0			
	39.2	52.5	57.4	68.7	74.0	75.3	78.3	81.9	83.8	85.5	85.7	86.1	86.4	86.4	86.6	86.6			
	39.6	53.2	58.1	70.0	75.7	77.0	80.0	83.9	85.7	87.5	87.8	88.2	88.6	88.6	88.8	88.8			
	41.2	55.8	60.9	73.7	79.9	81.2	84.3	88.3	90.2	92.1	92.6	93.1	93.5	93.5	93.7	93.7			
	41.3	56.3	61.5	74.6	81.7	82.1	85.4	89.4	91.4	93.4	93.9	94.3	94.7	94.7	95.0	95.0			
	41.5	56.8	62.7	75.6	82.1	83.4	87.0	91.3	93.4	95.3	95.8	96.4	96.8	96.8	97.1	97.1			
	41.5	56.8	62.7	75.6	82.1	83.5	87.1	91.5	93.7	95.7	96.2	96.9	97.3	97.3	97.5	97.5			
	41.5	56.8	62.7	75.6	82.1	83.5	87.1	91.8	94.1	96.1	96.6	97.3	97.7	97.7	97.9	97.9			
	41.5	56.9	62.2	75.7	82.2	83.7	87.2	91.9	94.2	96.2	96.7	97.4	97.8	97.9	98.2	98.2			
	41.5	57.4	62.3	75.8	82.3	83.8	87.5	92.1	94.5	96.4	96.9	97.7	98.0	98.2	98.4	98.4			
	41.5	57.0	62.3	75.8	82.3	83.8	87.5	92.1	94.5	96.4	97.1	97.9	98.3	98.4	98.6	98.6			
	41.5	57.0	62.3	75.8	82.3	83.8	87.5	92.4	94.7	96.7	97.3	98.2	98.5	98.6	98.9	98.9			
	41.5	57.1	62.3	75.8	82.3	83.8	87.5	92.4	94.7	96.8	97.5	98.4	98.8	99.0	99.3	99.3			
	41.5	57.0	62.3	75.8	82.3	83.8	87.5	92.4	94.7	96.8	97.5	98.4	98.8	99.0	99.4	99.5			
	41.5	57.0	62.3	75.8	82.3	83.8	87.5	92.4	94.7	96.8	97.5	98.4	98.8	99.0	99.4	99.5			
	41.5	57.0	62.3	75.8	82.3	83.8	87.5	92.4	94.7	96.8	97.5	98.4	98.8	99.0	99.4	99.6			
	41.5	57.0	62.3	75.8	82.3	83.8	87.5	92.4	94.7	96.8	97.5	98.4	98.8	99.0	99.4	99.6			
	41.5	57.0	62.3	75.8	82.3	83.8	87.5	92.5	94.5	97.2	97.9	98.8	99.1	99.4	99.8	100.0			

TOTAL NUMBER OF OBSERVATIONS 814

# CEILING VERSUS VISIBILITY

1 7285 COLEMAN AAF DL

73-81

MAE

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1000	16.9	21.9	21.7	25.1	26.7	26.2	26.7	27.2	27.2	27.8	27.8	27.8	27.8	27.9	27.9
900	22.6	29.5	30.0	35.1	37.3	37.4	38.1	38.8	38.8	39.4	39.4	39.4	39.4	39.5	39.5
800	27.1	30.4	30.7	35.9	38.3	38.4	39.4	40.0	40.0	40.6	40.6	40.6	40.7	40.7	40.7
700	23.1	32.4	32.7	35.9	38.3	38.4	39.4	40.0	40.0	40.6	40.6	40.6	40.7	40.7	40.7
600	23.6	31.7	31.4	36.9	38.9	39.0	40.0	40.6	40.6	41.2	41.2	41.2	41.4	41.4	41.4
500	24.4	32.2	32.7	38.4	40.9	41.0	42.7	42.6	42.6	43.2	43.2	43.2	43.3	43.3	43.3
400	25.6	34.1	35.1	41.1	43.7	43.8	44.9	45.7	45.7	46.3	46.3	46.3	46.4	46.4	46.4
300	26.7	36.7	37.7	44.0	46.5	46.7	47.9	48.6	48.8	49.4	49.4	49.4	49.5	49.5	49.5
200	31.9	44.1	45.1	53.1	55.8	55.9	57.5	58.6	58.9	59.6	59.6	59.6	59.8	59.8	59.8
100	34.2	47.0	48.5	57.2	60.0	60.1	61.7	62.8	63.6	64.3	64.3	64.3	64.4	64.4	64.4
0	34.9	48.1	49.6	58.3	61.1	61.2	62.8	64.1	64.8	65.6	65.6	65.6	65.7	65.7	65.7
1000	36.7	51.0	52.6	61.5	64.7	64.8	66.4	67.8	68.5	69.3	69.3	69.3	69.4	69.4	69.4
900	37.3	52.1	53.6	62.8	65.7	65.8	67.4	68.8	69.5	70.2	70.2	70.2	70.4	70.4	70.4
800	39.5	55.1	56.9	66.3	69.5	69.8	71.4	72.7	73.5	74.2	74.2	74.2	74.3	74.3	74.3
700	42.3	59.5	61.4	72.1	75.6	75.9	77.9	79.4	80.1	80.9	80.9	80.9	81.0	81.0	81.0
600	48.1	65.7	68.1	79.9	83.3	83.7	85.9	87.4	88.1	89.0	89.0	89.0	89.1	89.1	89.1
500	57.7	69.0	71.6	83.3	87.2	87.5	89.8	91.4	92.2	93.1	93.1	93.2	93.3	93.3	93.3
400	51.6	71.7	73.7	85.9	90.2	90.7	93.1	94.7	95.6	96.4	96.4	96.5	96.7	96.7	96.7
300	52.0	71.4	74.1	86.8	91.4	92.1	94.4	96.0	96.9	97.8	97.8	97.9	98.0	98.0	98.0
200	52.7	71.5	74.3	87.3	91.9	92.6	94.9	96.8	97.7	98.6	98.6	98.6	98.9	98.9	98.9
100	52.3	71.9	74.7	87.7	92.2	93.1	95.6	97.4	98.3	99.3	99.3	99.4	99.5	99.5	99.5
0	52.2	71.9	74.7	87.7	92.2	93.1	95.6	97.4	98.3	99.3	99.3	99.4	99.5	99.5	99.5
1000	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
900	52.3	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
800	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
700	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
600	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
500	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
400	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
300	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
200	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
100	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6
0	52.2	71.9	74.7	87.7	92.2	93.1	95.7	97.5	98.4	99.4	99.4	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 810

CENTRAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 2295 COLEMAN AAF DL

73-81

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	21.0	25.9	27.6	29.4	30.0	30.0	30.2	30.6	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
900	27.8	37.4	38.2	40.6	41.9	42.1	42.5	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
800	29.3	37.8	38.7	41.1	42.5	42.6	43.0	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
700	29.7	37.8	38.7	41.1	42.5	42.6	43.0	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
600	29.5	38.5	39.4	41.8	43.1	43.3	43.7	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
500	29.7	40.1	41.0	43.4	44.7	44.9	45.3	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
400	31.3	43.7	44.7	46.6	47.9	48.1	48.5	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
300	33.3	45.4	46.5	49.5	51.0	51.1	51.5	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
200	39.1	52.9	54.3	58.5	60.3	60.5	61.1	61.8	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
100	42.5	57.4	58.9	63.9	65.8	66.0	66.8	67.5	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
50	42.7	58.1	59.5	64.8	66.8	67.1	67.9	68.6	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
0	44.6	60.6	62.1	67.5	69.6	69.9	70.7	71.4	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
1000	46.1	61.4	62.8	68.3	70.4	70.7	71.5	72.2	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
900	48.5	65.6	67.4	73.9	76.3	76.6	77.4	78.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
800	51.1	67.4	71.8	77.9	80.4	80.7	81.5	82.2	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
700	54.1	73.9	76.8	83.4	86.7	86.3	87.1	87.7	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
600	56.3	76.8	79.8	87.7	90.4	90.7	91.5	92.1	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
500	58.2	79.8	82.8	91.7	94.5	94.9	96.0	96.7	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400	58.5	80.2	83.4	92.7	95.7	96.3	97.3	98.1	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
300	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	58.5	80.2	83.4	92.8	95.9	96.4	97.6	98.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 751





GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

USE WITH LOCATION  
SEE FIRST PAGE

1 7235 COLEMAN AAF DL

73-81

MAP

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
10000	17.3	22.6	23.8	26.8	28.1	28.4	29.7	29.8	30.1	30.3	30.4	30.5	30.5	30.6	30.6	30.6
8000	23.1	30.3	31.7	35.8	37.7	38.1	39.0	40.0	40.3	40.6	40.7	40.8	40.8	40.9	40.9	40.9
6000	23.5	30.8	32.2	36.3	38.3	38.7	39.6	40.6	41.0	41.3	41.3	41.4	41.4	41.6	41.6	41.6
4000	23.5	30.8	32.2	36.3	38.3	38.7	39.6	40.7	41.0	41.3	41.4	41.4	41.5	41.6	41.6	41.6
2000	23.7	31.3	32.6	36.8	38.9	39.3	40.2	41.2	41.6	41.9	42.1	42.0	42.1	42.2	42.2	42.2
1000	24.3	32.2	33.7	38.0	40.2	40.6	41.5	42.5	42.9	43.3	43.4	43.4	43.5	43.6	43.6	43.6
800	25.1	34.3	36.1	40.8	43.1	43.5	44.6	45.9	46.4	46.9	47.0	47.1	47.1	47.2	47.2	47.2
600	27.3	36.2	38.1	43.3	45.7	46.1	47.3	48.7	49.2	49.8	49.8	49.9	49.9	50.1	50.1	50.1
400	31.7	42.8	44.6	51.0	53.7	54.1	55.6	57.2	57.9	58.6	58.6	58.7	58.8	59.0	59.0	59.0
200	34.2	46.2	48.6	55.6	58.3	58.8	60.3	62.0	63.0	63.7	63.8	63.8	64.0	64.1	64.2	64.2
100	35.7	47.5	50.3	57.3	60.1	60.6	62.1	63.9	64.9	65.7	65.8	65.8	66.0	66.1	66.2	66.2
80	37.5	50.8	53.5	61.1	64.1	64.6	66.3	68.1	69.2	70.1	70.2	70.3	70.4	70.6	70.6	70.6
60	38.1	51.9	54.7	62.5	65.7	66.1	68.0	69.8	70.9	71.9	72.1	72.1	72.2	72.4	72.4	72.4
40	40.0	54.6	57.8	66.4	69.7	70.2	72.0	73.9	75.1	76.0	76.1	76.2	76.4	76.5	76.6	76.6
20	42.7	58.3	61.6	70.9	74.3	74.9	76.8	78.8	79.9	80.9	81.0	81.1	81.3	81.4	81.6	81.6
10	45.2	62.5	66.4	76.8	80.3	80.9	83.0	85.1	86.2	87.1	87.4	87.5	87.7	87.9	88.0	88.0
8	47.3	64.3	68.4	79.4	83.1	83.8	85.8	88.0	89.2	90.2	90.4	90.5	90.8	90.9	91.0	91.0
6	49.0	66.9	71.3	83.1	87.3	88.0	90.2	92.4	93.7	94.8	95.0	95.2	95.4	95.6	95.7	95.7
4	49.1	67.1	71.6	83.7	87.9	88.7	91.0	93.3	94.6	95.7	95.9	96.1	96.1	96.4	96.5	96.5
2	49.2	67.4	71.9	84.3	88.7	89.6	91.9	94.3	95.7	96.8	97.1	97.3	97.5	97.7	97.8	97.8
1	49.3	67.5	72.1	84.5	89.0	89.9	92.2	94.8	96.2	97.3	97.5	97.8	98.1	98.3	98.4	98.4
3/4	49.3	67.5	72.1	84.6	89.2	90.0	92.5	95.2	96.7	97.9	98.1	98.4	98.6	98.8	99.0	99.0
1/2	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.3	96.8	97.9	98.2	98.4	98.7	98.9	99.1	99.1
1/4	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.3	96.9	98.0	98.2	98.5	98.8	99.0	99.1	99.1
1/8	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.4	96.9	98.1	98.4	98.7	98.9	99.2	99.3	99.3
1/16	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.0	98.3	98.7	99.0	99.2	99.5	99.6	99.6
1/32	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.1	98.4	98.7	99.0	99.3	99.6	99.7	99.7
1/64	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.1	98.4	98.7	99.0	99.3	99.6	99.7	99.7
1/128	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.1	98.4	98.7	99.0	99.3	99.6	99.7	99.7
1/256	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.1	98.4	98.7	99.0	99.3	99.6	99.7	99.7
1/512	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.1	98.4	98.8	99.1	99.4	99.7	99.8	99.8
1/1024	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.1	98.4	98.8	99.1	99.3	99.6	99.7	99.9
1/2048	49.3	67.5	72.1	84.7	89.2	90.1	92.6	95.5	97.1	98.4	98.8	99.1	99.4	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3648

# CEILING VERSUS VISIBILITY

2

107205 COLEMAN AAF DL

73-81

APP

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0600-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
NO CEILING	17.7	24.7	28.8	38.3	41.1	41.5	42.9	44.6	44.9	45.4	45.6	45.6	45.6	45.7	45.7	46.7
1-200K	19.6	28.9	33.4	43.5	47.0	47.4	49.1	51.2	51.8	52.4	52.6	52.7	52.7	53.0	53.2	53.7
2-200K	19.6	28.9	33.4	43.5	47.0	47.4	49.1	51.2	51.8	52.4	52.6	52.7	52.7	53.1	53.2	53.7
3-200K	19.6	28.9	33.4	43.5	47.3	47.7	49.5	51.5	52.1	52.7	52.9	53.0	53.0	53.3	53.5	54.0
4-200K	19.8	29.1	34.2	44.9	49.4	48.8	50.5	52.6	53.2	53.8	54.0	54.1	54.1	54.4	54.6	55.1
5-200K	21.3	31.8	37.1	48.2	51.8	52.3	54.1	56.3	56.9	58.0	58.2	58.3	58.3	58.6	58.8	59.3
6-200K	21.6	33.0	38.7	50.2	53.8	54.3	56.1	58.3	58.9	60.0	60.2	60.3	60.3	60.7	60.8	61.3
7-200K	24.7	37.0	43.7	56.5	60.0	60.7	62.8	65.2	66.1	68.0	68.1	68.3	68.3	68.6	68.9	69.4
8-200K	25.4	39.5	46.8	61.0	65.0	65.6	67.8	70.1	71.1	73.1	73.3	73.4	73.4	73.7	74.0	74.5
9-200K	26.7	39.8	47.1	61.3	65.3	65.9	68.1	70.5	71.4	73.4	73.6	73.7	73.7	74.0	74.3	74.8
10-200K	27.5	41.4	48.7	63.6	68.0	68.7	70.9	73.3	74.2	76.2	76.4	76.5	76.5	76.8	77.1	77.6
11-200K	28.0	43.1	50.4	65.6	70.1	70.9	73.4	75.9	76.8	78.8	79.0	79.2	79.2	79.5	79.8	80.2
12-200K	29.5	45.3	52.7	68.3	72.8	73.6	76.0	79.0	80.1	82.1	82.3	82.4	82.4	82.7	83.0	83.5
13-200K	31.3	47.4	55.1	71.9	76.5	77.4	80.1	83.0	84.1	86.2	86.3	86.5	86.5	86.8	87.1	87.6
14-200K	32.3	49.0	57.1	74.5	79.3	80.2	83.2	86.2	87.2	89.3	89.4	89.6	89.6	89.9	90.2	90.7
15-200K	33.0	47.9	53.0	76.2	81.0	82.0	84.9	87.9	89.0	91.1	91.3	91.4	91.4	91.8	92.1	92.5
16-200K	34.1	51.5	59.6	78.4	83.2	84.3	87.7	90.7	91.8	93.9	94.1	94.2	94.2	94.6	94.9	95.3
17-200K	34.1	51.8	59.6	78.4	83.2	84.3	87.7	90.7	91.8	93.9	94.1	94.2	94.2	94.6	94.9	95.3
18-200K	34.4	51.8	59.9	79.0	84.1	85.2	89.1	91.9	93.7	95.2	95.3	95.5	95.5	95.8	96.1	96.6
19-200K	34.4	51.8	60.2	79.8	84.9	86.0	89.9	93.3	94.4	96.6	96.7	96.9	96.9	97.2	97.5	98.0
20-200K	34.4	51.8	60.2	79.8	84.9	86.0	90.0	93.5	94.6	96.7	97.2	97.4	97.5	97.8	98.1	98.6
21-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.7	98.0	98.5
22-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
23-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
24-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
25-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
26-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
27-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
28-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
29-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
30-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
31-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
32-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
33-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
34-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
35-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
36-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
37-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
38-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
39-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
40-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
41-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
42-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
43-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
44-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
45-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
46-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
47-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
48-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
49-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
50-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
51-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
52-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
53-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
54-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
55-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
56-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
57-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
58-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
59-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
60-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
61-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
62-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
63-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
64-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
65-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
66-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
67-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
68-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
69-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
70-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
71-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
72-200K	34.4	51.8	60.2	79.9	85.1	86.2	90.2	93.6	94.7	96.9	97.4	97.5	97.5	97.8	98.1	98.6
73-200K	34.4	51.8	60.2													



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AD WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 0275 COLEMAN AAF DL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1000-1400

CEILING FEET	VISIBILITY STATISTICS															
	200	24	25	24	25	22	20	2	20	2	20	2	20	2	20	2
1000	37.4	37.9	38.6	41.6	41.9	41.9	41.9	41.9	41.9	42.3	42.7	42.7	42.7	42.7	42.7	42.7
900	37.4	47.9	48.3	52.6	53.0	53.0	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3
800	37.4	47.9	48.8	52.9	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5
700	37.7	48.1	49.0	53.1	53.5	53.5	53.5	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8
600	38.2	48.9	49.8	54.0	54.4	54.4	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7
500	39.1	50.2	51.2	55.6	56.4	56.4	56.4	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0
400	39.7	51.1	52.1	56.7	57.6	57.6	57.6	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
300	43.3	57.5	58.7	64.6	66.7	66.7	66.3	66.5	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9
200	45.5	60.2	61.6	67.8	69.3	69.3	69.6	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2
100	46.1	61.3	62.8	69.2	70.8	70.8	71.0	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6
0	48.5	64.4	65.9	72.7	74.2	74.2	74.5	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1
1000	51.7	67.3	69.0	75.9	77.4	77.4	77.7	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3
900	54.4	71.4	73.3	80.2	81.7	81.7	82.0	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6
800	56.4	75.4	77.4	84.7	86.3	86.3	86.6	86.8	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4
700	59.3	79.4	81.9	89.5	91.4	91.4	91.7	92.0	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5
600	61.7	81.2	83.8	91.4	93.5	93.5	93.7	94.0	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5
500	61.7	83.1	85.7	93.5	95.9	95.9	96.6	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
400	62.1	83.4	86.0	93.9	96.6	96.6	97.2	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
300	62.2	83.7	86.3	94.3	96.9	96.9	97.6	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200	62.3	84.2	87.1	95.3	97.7	97.7	98.3	98.6	98.7	99.1	99.4	99.5	99.5	99.5	99.5	99.5
100	62.3	84.4	87.4	95.3	98.0	98.0	98.6	98.9	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7
0	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.5	99.7	99.9	99.9	99.9	99.9	99.9
1000	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.5	99.7	99.9	99.9	99.9	99.9	99.9
900	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
800	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
700	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
600	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
500	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
400	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
300	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
200	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
100	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0
0	62.3	84.4	87.4	95.4	98.1	98.1	98.7	99.0	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 783





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

# CEILING VERSUS VISIBILITY

STATION: COLEMAN AAF DL

73-81

SEE PAGE 100

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

CEILING	24.2	36.9	38.3	43.2	44.1	44.4	44.8	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2000	32.7	43.9	46.3	51.7	52.8	53.1	53.6	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
1800	32.7	44.7	46.1	51.9	53.1	53.3	53.8	54.4	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
1600	32.7	44.7	46.1	51.9	53.1	53.3	53.8	54.4	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
1400	33.3	44.3	46.5	52.3	53.5	53.7	54.2	54.8	55.2	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.6
1200	33.4	45.1	47.3	53.2	54.4	54.7	55.2	55.8	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5
1000	35.2	47.8	57.1	56.2	57.6	57.9	58.4	59.1	59.4	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.1
800	35.3	49.4	51.7	58.2	59.6	59.8	67.4	61.3	61.4	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
600	39.8	54.7	57.4	64.6	66.2	66.5	67.3	68.1	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
400	41.3	57.6	60.6	68.3	70.2	70.5	71.3	72.2	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.5
200	42.6	53.7	61.8	69.5	71.4	71.7	72.5	73.4	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.7
100	44.4	61.5	64.6	73.1	75.1	75.4	76.3	77.1	77.6	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.5
50	45.7	63.5	66.7	75.3	77.4	77.6	78.5	79.4	79.9	80.5	80.6	80.6	80.6	80.6	80.6	80.7	80.8
25	46.1	66.5	69.9	78.7	80.8	81.1	82.0	83.0	83.5	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.4
10	49.8	69.3	73.9	82.1	84.4	84.7	85.6	86.6	87.2	87.8	87.8	87.9	87.9	87.9	87.9	88.0	88.1
5	51.7	72.3	76.2	85.7	88.2	88.5	89.5	90.5	91.1	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.9
2	52.9	73.9	78.3	87.7	90.3	90.6	91.6	92.7	93.2	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.2
1	53.9	75.7	79.9	90.0	92.8	93.2	94.5	95.6	96.2	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.2
0.5	54.1	75.9	80.1	91.3	93.2	93.6	94.9	96.0	96.6	97.2	97.3	97.4	97.4	97.4	97.4	97.5	97.6
0.2	54.2	76.1	80.3	90.7	93.6	94.1	95.5	96.6	97.2	97.8	97.9	98.0	98.0	98.0	98.0	98.1	98.2
0.1	54.2	76.3	80.7	91.2	94.2	94.7	96.2	97.4	97.9	98.6	98.8	98.8	98.8	98.8	98.9	98.9	99.1
0.05	54.2	76.4	80.8	91.4	94.4	94.9	96.3	97.5	98.1	98.8	99.1	99.1	99.2	99.2	99.3	99.3	99.4
0.02	54.2	76.4	80.8	91.5	94.5	95.0	96.4	97.6	98.2	98.9	99.2	99.2	99.2	99.3	99.3	99.4	99.5
0.01	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.0	99.3	99.3	99.4	99.4	99.5	99.5	99.6
0.005	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.002	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.001	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.0005	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.0002	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.0001	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.00005	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.00002	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
0.00001	54.2	76.4	80.8	91.6	94.6	95.1	96.5	97.7	98.3	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 3519













2  
 FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 7205 COLEMAN AAF DL

73-81

USE DATA FROM  
 SEE P.

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

32.7	41.4	42.0	44.5	45.1	45.3	45.6	45.8	45.9	45.9	45.9	45.9	45.9	46.0	46.1	46.2
37.4	49.2	50.2	53.3	54.2	54.4	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.3	55.4
37.8	49.3	51.4	53.6	54.4	54.6	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.6
37.7	49.6	51.5	53.7	54.6	54.8	55.1	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.7	55.8
37.9	49.9	50.9	54.4	55.3	55.4	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.5
39.0	51.3	52.3	56.2	57.1	57.3	57.7	58.1	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.4
41.7	54.1	55.3	59.6	61.5	60.7	61.2	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9
42.7	56.9	58.1	62.6	63.7	63.9	64.4	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.1	65.2
48.7	62.8	64.3	69.6	71.9	71.1	71.7	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.6
49.5	66.9	68.6	74.4	75.8	76.1	76.9	77.4	77.5	77.6	77.6	77.6	77.6	77.7	77.8	77.9
51.1	67.7	69.4	75.3	76.8	77.0	77.9	78.4	78.5	78.6	78.6	78.6	78.6	78.7	78.8	78.9
52.1	71.1	72.9	79.0	80.4	80.7	81.7	82.2	82.3	82.4	82.4	82.4	82.4	82.5	82.6	82.7
53.2	72.5	74.5	80.6	82.1	82.4	83.3	83.8	83.9	84.1	84.1	84.1	84.1	84.2	84.2	84.3
54.3	74.4	76.7	83.3	84.9	85.2	86.2	86.7	86.8	87.0	87.0	87.0	87.0	87.1	87.2	87.3
55.9	77.2	79.6	86.3	88.0	88.3	89.2	89.8	89.9	90.1	90.1	90.1	90.1	90.2	90.2	90.3
58.1	81.0	82.4	89.6	91.4	91.7	92.7	93.3	93.4	93.6	93.6	93.6	93.6	93.7	93.8	93.9
59.6	81.2	83.7	91.1	92.9	93.3	94.1	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.3	95.4
60.0	82.1	84.6	92.3	94.2	94.6	95.7	96.3	96.5	96.8	96.8	96.8	96.8	96.9	97.0	97.1
61.3	82.4	84.9	92.7	94.6	95.0	96.2	96.8	96.9	97.2	97.3	97.3	97.3	97.4	97.4	97.5
62.4	82.4	85.1	93.0	95.0	95.4	96.8	97.4	97.6	97.9	98.0	98.0	98.0	98.0	98.1	98.2
65.5	82.7	85.3	93.4	95.5	95.9	97.5	98.2	98.4	98.9	98.9	98.9	98.9	99.0	99.0	99.1
66.5	82.8	85.4	93.5	95.7	96.1	97.7	98.6	98.8	99.2	99.2	99.2	99.2	99.3	99.4	99.5
67.3	82.8	85.4	93.6	95.7	96.1	97.7	98.6	98.8	99.2	99.2	99.2	99.2	99.3	99.4	99.5
67.6	82.8	85.4	93.6	95.8	96.2	97.8	98.7	98.9	99.3	99.3	99.3	99.3	99.4	99.5	99.6
67.8	82.8	85.4	93.6	95.8	96.2	97.9	98.7	98.9	99.4	99.4	99.4	99.4	99.5	99.6	99.7
67.8	82.8	85.4	93.7	95.8	96.2	97.9	98.8	99.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9
67.8	82.8	85.4	93.7	95.8	96.2	97.9	98.8	99.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9
67.8	82.8	85.4	93.7	95.9	96.3	97.9	98.8	99.1	99.6	99.7	99.7	99.7	99.7	99.8	99.9
67.8	82.8	85.4	93.7	95.9	96.3	97.9	98.8	99.1	99.6	99.7	99.7	99.7	99.8	99.8	100.0
67.8	82.8	85.4	93.7	95.9	96.3	97.9	98.8	99.1	99.6	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3589



2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 7735 COLEMAN AAF DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1930-1100

CEILING	1000	900	800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800	900	1000
2000	29.4	37.5	39.8	45.2	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
1800	32.3	43.1	44.5	51.3	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
1600	32.3	43.3	44.7	51.5	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
1400	32.3	43.3	44.7	51.5	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
1200	32.4	43.6	45.7	51.8	53.5	53.5	54.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
1000	33.4	44.9	46.3	53.6	55.3	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	55.8
900	35.2	46.7	48.5	56.2	58.1	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
800	35.4	49.1	50.6	58.5	60.4	60.4	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
700	41.3	55.3	58.2	67.1	69.2	69.2	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
600	47.5	60.3	62.7	71.9	73.9	74.0	74.9	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
500	46.3	61.6	63.9	73.0	75.1	75.2	76.1	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
400	47.3	64.1	66.5	75.8	79.1	78.1	79.0	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
300	47.3	65.7	67.4	76.7	79.9	79.3	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
200	50.3	67.7	70.1	81.5	82.8	82.9	83.9	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
100	53.2	75.2	77.9	83.2	85.6	85.7	86.8	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
0	55.7	72.9	75.6	86.4	89.1	89.2	90.4	90.7	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1000	56.7	74.4	77.2	86.6	91.3	91.4	92.5	92.9	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
900	57.5	76.3	79.8	91.4	94.6	94.7	96.1	96.5	96.7	96.8	97.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
800	57.3	76.6	80.1	91.6	94.9	95.0	96.4	96.8	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
700	57.9	76.9	81.1	92.0	95.2	95.4	96.9	97.3	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
600	59.2	77.2	81.7	92.5	95.8	95.9	97.4	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
500	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
400	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
300	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
200	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
100	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1000	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
900	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
800	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
700	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
600	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
500	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
400	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
300	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
200	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
100	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0	59.1	77.6	81.1	92.9	96.1	96.4	97.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 775





GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

107295

COLEMAN AAF DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	1/2	3/4	1	1 1/4	1 1/2	2	3	4	5	6	7	8	9	10	11	12
100	36.4	42.8	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
200	43.5	50.3	51.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
300	43.3	50.9	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
400	44.0	51.2	51.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
500	44.7	51.4	51.7	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
600	46.1	53.8	54.7	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
700	50.1	58.7	59.0	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
800	62.4	62.0	62.5	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
900	67.5	72.0	72.8	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
1000	65.5	77.8	78.8	81.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
1100	66.2	75.7	79.6	82.5	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4
1200	68.3	81.4	82.5	85.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	86.9	86.9
1300	69.5	82.9	84.0	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4	88.4
1400	73.3	87.6	88.6	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2
1500	75.5	91.7	91.9	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6
1600	76.3	91.8	93.4	97.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1
1700	77.7	91.9	93.8	97.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
1800	77.4	92.5	94.5	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
1900	77.4	92.5	94.5	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
2000	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2100	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2200	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2300	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2400	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2500	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2600	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2700	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2800	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2900	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
3000	77.4	92.6	94.7	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 731



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

USE WITH CARE  
 SEE FRONT PAGE

1 2095 COLEMAN AAF DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

CEILING	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
1000	32.3	39.8	40.6	43.5	44.7	44.9	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
900	31.2	46.3	47.1	50.5	51.8	52.0	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
800	31.4	46.6	47.5	50.7	52.0	52.3	52.8	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	52.9
700	34.4	46.6	47.6	50.8	52.1	52.3	52.8	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	53.0
600	38.5	46.9	47.9	51.0	52.4	52.6	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
500	39.9	48.5	49.5	52.9	54.2	54.5	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
400	42.5	51.6	52.7	56.3	57.8	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
300	43.8	53.9	55.1	58.8	60.3	60.6	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
200	50.8	62.7	64.2	69.1	70.9	71.2	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
100	54.8	67.4	69.1	74.1	76.1	76.5	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
0	55.7	68.5	70.1	75.3	77.3	77.6	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
1000	57.7	71.2	73.1	78.5	80.6	80.9	81.8	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
900	59.7	72.6	74.4	79.9	82.1	82.4	83.3	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
800	61.7	76.1	78.0	84.0	86.3	86.6	87.5	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
700	64.7	78.9	80.9	87.2	89.6	89.9	90.8	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
600	65.7	81.1	83.3	89.9	92.3	92.7	93.7	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
500	66.4	81.9	84.1	91.0	93.6	93.9	95.1	95.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
400	67.7	83.1	85.7	92.7	95.5	95.8	97.0	97.5	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
300	67.4	83.5	86.1	93.2	96.0	96.4	97.7	98.2	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	67.5	83.7	86.3	93.6	96.4	96.7	98.1	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
100	67.6	83.8	86.4	93.7	96.5	96.9	98.2	98.8	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	67.6	83.8	86.4	93.7	96.6	96.9	98.2	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	67.6	83.8	86.4	93.7	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 3538

FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE/MASSACHUSETTS

# CEILING VERSUS VISIBILITY

107740 C. LEMAN AAF DL

73-81

JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1600-2800

CEILING	21.3	25.9	32.3	35.6	39.4	39.8	42.0	43.4	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
2000	23.1	31.7	35.6	39.5	43.3	43.8	45.9	47.5	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
1800	23.8	32.3	36.3	40.2	44.1	44.5	46.7	48.3	48.4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
1600	23.1	32.5	36.4	40.3	44.2	44.7	46.9	48.6	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
1400	24.3	33.7	36.9	41.3	45.2	45.6	47.8	49.5	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
1200	29.2	34.1	38.4	43.3	47.2	47.7	50.6	52.3	52.8	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
1000	26.7	36.6	41.9	46.1	50.7	50.5	53.4	55.2	55.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
800	29.4	40.3	44.7	50.3	54.4	54.8	57.8	59.5	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
600	36.4	49.2	54.4	60.8	65.5	65.9	69.2	71.1	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
400	41.3	55.7	61.9	68.6	73.3	73.8	77.7	78.9	79.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
200	40.6	55.6	61.6	69.5	74.2	74.7	78.7	79.8	80.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
100	43.1	59.4	65.3	72.9	73.9	79.4	83.7	84.8	85.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
50	43.3	59.7	65.6	74.4	79.4	79.8	83.4	85.3	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
25	44.7	61.6	67.8	77.0	82.3	82.8	86.4	88.3	88.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
15	45.9	63.3	71.2	80.2	85.5	85.9	89.7	91.6	92.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
10	47.5	65.2	72.0	82.0	87.7	88.1	92.2	94.1	94.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
7.5	48.1	66.1	73.1	83.3	89.9	89.4	93.4	95.5	96.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
5	48.4	66.6	73.6	84.1	89.7	90.2	94.2	96.3	96.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2.5	43.4	66.6	73.6	84.5	90.2	90.6	94.7	96.7	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
1.5	43.4	66.6	73.6	84.5	90.3	90.8	94.8	96.9	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1	47.4	66.6	73.6	84.5	90.3	90.9	95.0	97.0	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0.75	48.4	66.6	73.6	84.5	90.5	90.9	95.0	97.2	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.5	48.4	66.6	73.6	84.5	90.5	90.9	95.0	97.2	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.25	49.4	66.6	73.6	84.5	90.5	90.9	95.0	97.2	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.15	49.4	66.6	73.6	84.5	90.5	90.9	95.2	97.3	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.1	43.4	66.7	73.8	84.7	90.6	91.1	95.3	97.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.075	48.4	66.7	73.8	84.7	90.6	91.1	95.3	97.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.05	43.4	66.7	73.8	84.7	90.6	91.1	95.3	97.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.025	48.4	66.7	73.8	84.7	90.6	91.1	95.3	97.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.01	48.4	66.7	73.8	84.7	90.6	91.1	95.3	97.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.005	48.4	66.7	73.8	84.7	90.6	91.1	95.3	97.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 640



2

GENERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1970 W. W. LEHMAN AAF, DL

73-31

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1907-1407

29.1	39.5	40.5	41.6	41.8	41.9	42.0	42.0	42.1	42.3	42.7	42.7	42.7	42.7	42.7	42.7
33.1	44.8	45.8	47.3	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
33.7	44.8	45.8	47.3	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
33.7	44.8	45.8	47.3	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
33.7	45.1	45.1	47.5	47.6	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
34.1	46.2	47.4	49.0	49.3	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
38.2	51.7	52.9	55.0	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
39.5	53.4	54.5	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
47.4	63.2	64.5	67.7	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
57.4	67.3	69.8	71.5	72.3	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
61.5	68.3	69.9	72.5	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
56.1	74.1	75.6	78.7	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
80.2	78.0	77.9	80.6	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
80.3	81.3	82.0	85.2	86.0	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
84.7	83.4	85.2	89.1	89.9	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
86.9	86.2	88.1	92.7	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
67.7	87.1	89.3	94.3	95.3	95.7	95.8	95.8	95.9	95.8	95.9	95.9	95.9	95.9	95.9	95.9
68.3	88.0	90.4	95.4	96.6	96.9	97.1	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
69.8	88.9	91.3	96.7	97.8	98.2	98.3	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
69.1	89.7	91.4	96.9	98.2	98.6	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
69.7	89.3	91.4	97.1	98.3	98.7	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
69.1	89.1	91.6	97.2	98.5	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
69.1	89.1	91.6	97.2	98.5	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
69.1	89.1	91.6	97.2	98.5	99.0	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
69.1	89.1	91.6	97.2	98.5	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
69.1	89.1	91.6	97.2	98.5	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
69.1	89.1	91.6	97.2	98.5	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
69.1	89.1	91.6	97.2	98.5	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
69.1	89.1	91.6	97.2	98.5	99.0	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 783

NATIONAL CLIMATOLOGY BRANCH  
 AFCE/TAC  
 AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

WILLOW GARDEN AAF DL

73-31

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

	34.3	44.7	44.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
	34.3	49.9	51.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
	34.9	50.0	50.1	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
	39.9	50.0	50.1	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
	39.9	51.7	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
	40.6	52.2	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	53.0
	44.3	56.4	56.6	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	57.2
	48.7	59.3	59.4	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
	53.3	63.4	69.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	58.3	74.9	76.1	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
	61.5	77.9	79.1	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
	65.3	82.8	84.3	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
	67.2	85.5	87.2	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
	70.6	88.7	90.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	72.3	90.7	92.6	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
	73.5	92.5	94.4	96.4	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	74.5	93.6	95.5	97.3	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	74.9	94.1	96.1	98.2	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	74.9	94.3	96.2	98.4	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
	74.9	94.3	96.2	98.6	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	74.9	94.3	96.2	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

732

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

2

STATION: COLEMAN AAF DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1960-2000

42.3	57.5	57.7	50.7	57.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
47.4	56.5	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	56.7	56.7
47.6	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	57.3
47.6	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	57.3
48.1	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	57.7	57.7
49.3	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
53.7	54.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
56.3	68.3	68.8	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
64.5	77.5	73.2	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
68.6	82.1	81.1	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
73.6	84.4	85.8	87.0	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
74.2	88.7	89.9	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
75.6	90.4	91.6	93.0	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
76.3	92.2	93.3	95.1	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
77.9	93.2	94.4	96.6	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
78.5	94.4	95.6	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
79.7	94.5	95.7	98.1	98.5	98.5	99.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.7	95.1	96.4	99.1	99.5	99.5	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 586



FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1. STATION COLEMAN AAF DL

73-31

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

29.3	39.0	40.3	42.6	43.6	43.8	44.3	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
33.3	43.5	45.3	47.6	48.6	48.8	49.3	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
33.6	44.7	45.4	48.1	49.1	49.2	49.8	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
34.0	44.5	45.9	48.6	49.6	49.8	50.3	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
35.2	45.9	47.5	50.4	51.5	51.7	52.4	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
39.3	50.1	51.8	55.3	56.2	56.4	57.1	57.5	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
40.9	53.3	55.1	58.5	59.7	59.9	60.6	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
48.1	62.4	64.6	68.7	70.1	70.3	71.2	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
51.3	67.2	69.7	74.3	75.9	76.1	77.0	77.4	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
53.7	68.8	71.3	76.0	77.6	77.8	78.7	79.1	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
56.9	73.3	75.9	81.1	82.7	83.1	84.1	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
58.2	75.0	77.6	82.8	84.5	84.7	85.8	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
61.3	77.6	80.3	85.9	87.6	87.8	88.9	89.3	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
62.7	79.9	82.9	89.0	90.8	91.0	92.1	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
63.5	81.9	84.9	91.6	93.6	93.8	95.1	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
64.3	82.8	86.7	92.8	94.8	95.0	96.3	96.8	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
64.9	83.7	86.7	93.8	95.9	96.1	97.5	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
65.7	83.9	87.1	94.4	96.4	96.7	98.0	98.6	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
65.7	84.0	87.2	94.5	96.6	96.9	98.3	98.9	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
65.1	84.0	87.2	94.6	96.7	97.0	98.4	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
65.0	84.0	87.2	94.6	96.7	97.0	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
65.7	84.0	87.2	94.6	96.7	97.1	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
65.7	84.0	87.2	94.6	96.7	97.1	98.5	99.2	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
65.3	84.0	87.2	94.6	96.7	97.1	98.6	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
65.7	84.0	87.2	94.6	96.8	97.1	98.6	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
65.1	84.1	87.2	94.6	96.8	97.1	98.6	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
65.0	84.0	87.2	94.6	96.8	97.1	98.6	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
65.7	84.0	87.2	94.6	96.8	97.1	98.6	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
65.7	84.0	87.2	94.6	96.8	97.1	98.6	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3525

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

100245 COLEMAN AAF DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

600-0800

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
20	22.3	25.4	31.7	36.2	47.8	41.7	44.8	47.5	48.9	49.3	49.5	49.5	49.6	57.1	57.1	57.2	
25	23.5	31.1	32.5	38.6	43.5	44.5	44.7	50.8	52.3	52.9	53.1	53.1	53.2	53.2	53.4	54.7	
30	23.7	30.2	32.6	38.8	43.6	44.7	48.1	51.0	52.5	53.1	53.2	53.2	53.4	53.4	54.0	54.1	
35	23.3	30.4	32.8	38.9	43.8	44.8	48.3	51.1	52.6	53.2	53.4	53.4	53.5	54.0	54.1	54.3	
40	23.9	31.8	33.2	39.8	44.7	45.7	49.2	52.2	53.7	54.3	54.4	54.4	54.6	55.0	55.2	55.3	
45	25.1	32.3	35.2	43.3	48.3	49.3	53.4	56.8	58.9	59.8	67.0	60.2	60.3	61.1	61.2	61.4	
50	26.1	33.8	36.8	45.0	50.1	51.1	55.2	58.6	60.8	61.7	62.7	62.1	62.3	63.7	63.2	63.3	
55	31.1	39.5	44.2	54.3	61.3	61.7	66.6	70.4	72.8	73.8	74.4	74.7	75.7	75.8	75.9	76.1	
60	31.7	42.4	47.4	58.1	64.7	66.1	71.4	75.3	77.7	78.8	79.4	79.7	80.0	80.8	80.9	81.1	
65	33.1	44.1	49.7	59.7	66.3	67.7	73.1	77.0	79.4	80.5	81.1	81.4	81.7	82.4	82.6	82.7	
70	34.5	46.0	51.3	62.1	69.9	70.4	75.8	79.8	82.4	83.5	84.1	84.4	84.7	85.4	85.6	85.7	
75	34.7	46.2	51.4	62.7	69.6	71.1	77.0	81.1	83.6	84.7	85.3	85.6	85.9	86.6	86.8	86.9	
80	35.1	47.1	52.5	63.9	71.7	73.2	79.2	83.5	86.7	87.2	87.8	88.1	88.4	89.2	89.3	89.5	
85	35.4	48.1	53.7	65.6	74.1	75.8	82.7	86.2	89.1	90.2	90.9	91.1	91.4	92.2	92.3	92.5	
90	37.4	49.5	55.3	67.4	76.2	77.9	84.1	88.4	91.3	92.5	93.1	93.4	93.7	94.4	94.6	94.7	
95	38.1	50.4	56.2	68.3	77.6	79.2	85.4	89.8	92.6	93.8	94.4	94.7	95.0	95.8	95.9	96.1	
100	38.2	51.8	56.8	68.9	78.2	80.0	86.2	90.7	93.7	94.9	95.5	95.8	96.1	96.8	97.0	97.1	
105	38.2	51.8	56.8	68.9	78.3	80.3	86.5	91.0	94.0	95.2	95.8	96.1	96.4	97.1	97.3	97.4	
110	38.2	50.8	56.8	68.9	78.5	80.5	87.1	91.9	95.1	96.2	96.8	97.1	97.4	98.7	98.3	98.5	
115	38.3	50.8	56.8	68.9	78.5	80.5	87.2	92.0	95.2	96.4	97.7	97.3	97.6	98.7	98.5	98.6	
120	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.5	97.1	97.4	97.9	98.6	98.8	98.9	
125	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.5	97.1	97.4	97.9	98.6	98.8	98.9	
130	38.3	50.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.3	97.6	98.7	98.8	98.9	99.1	
135	38.2	50.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.2	99.4	
140	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.2	99.4	
145	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.2	99.4	
150	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
155	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
160	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
165	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
170	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
175	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
180	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
185	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
190	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
195	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
200	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
205	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
210	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
215	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
220	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
225	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
230	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
235	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
240	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
245	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
250	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
255	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
260	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
265	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
270	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
275	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
280	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
285	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
290	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
295	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	
300	38.2	51.8	56.8	69.0	78.6	80.6	87.4	92.2	95.3	96.7	97.6	97.9	98.3	99.1	99.4	99.7	

TOTAL NUMBER OF OBSERVATIONS 665



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 7201 COLEMAN AAF DL

73-31

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	37.5	44.8	46.2	48.7	49.2	49.5	50.0	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
900	47.3	49.4	51.0	55.1	55.9	56.2	56.7	56.8	56.8	57.2	57.7	57.0	57.3	57.0	57.7	57.7	57.7
800	41.7	49.7	51.4	55.4	56.3	56.6	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
700	41.7	49.7	51.4	55.4	56.3	56.6	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
600	41.3	50.1	51.8	55.8	56.7	57.1	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
500	42.4	51.8	53.4	57.7	58.6	58.9	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
400	45.6	55.2	57.1	61.9	63.9	63.2	63.7	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
300	47.3	57.1	58.9	63.7	64.8	65.1	65.8	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
200	46.1	65.4	67.6	73.3	74.9	75.3	76.5	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
100	55.3	68.5	71.4	77.7	79.4	79.9	81.3	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
0	57.7	69.6	72.5	78.9	81.5	81.0	82.2	82.9	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
1000	59.4	72.9	75.8	82.4	84.1	84.6	85.7	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
900	59.9	73.4	76.3	82.9	84.6	85.1	86.3	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
800	62.2	75.7	78.6	85.7	87.5	88.0	89.4	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
700	63.7	77.6	80.5	88.4	90.1	90.6	92.0	92.9	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
600	65.6	81.1	83.2	91.9	93.7	94.2	95.7	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
500	66.1	80.6	83.8	93.2	95.1	95.6	97.1	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	66.2	80.9	84.3	93.8	95.7	96.2	97.7	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	66.2	81.9	84.3	93.8	95.8	96.5	98.1	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	66.2	81.9	84.3	93.9	95.9	96.6	98.2	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	66.1	81.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	66.2	81.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	66.2	81.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	66.2	80.9	84.4	94.1	96.1	96.7	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 790

CENTRAL CLIMATOLOGY BRANCH  
AFMETAC  
AIR WEATHER SERVICE/AMAC

# CEILING VERSUS VISIBILITY

107295 GLEMAN AAF DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

41.3	44.9	49.7	51.1	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	51.6
47.1	55.5	56.4	59.3	59.7	59.7	61.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
47.2	55.7	56.7	59.6	61.1	60.0	62.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
47.3	55.9	56.3	59.7	60.1	60.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
48.3	57.1	58.0	60.9	61.3	61.3	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
49.5	58.4	59.3	62.4	62.8	62.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
50.3	52.3	63.3	56.8	67.2	67.2	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
53.6	64.0	65.1	69.2	69.6	69.6	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
63.2	74.5	75.9	81.1	81.6	81.7	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
66.5	78.3	79.6	85.1	85.8	85.7	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
67.7	79.5	81.8	86.3	86.8	86.9	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
67.9	81.7	83.3	89.1	89.7	89.9	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
75.3	82.1	83.7	89.5	90.1	90.1	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
81.6	83.6	85.2	90.9	91.6	91.7	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
83.1	85.2	86.9	92.7	93.3	93.5	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
84.7	87.7	89.3	96.0	96.7	96.8	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
84.7	87.7	89.3	96.1	96.4	96.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
84.9	89.1	89.7	96.7	97.7	97.9	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
84.9	88.1	89.7	96.7	97.7	97.9	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
84.9	88.5	90.1	97.1	98.3	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84.9	88.8	90.5	97.5	98.7	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 750

GENERAL CLIMATOLOGY BRANCH  
METAC  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

17295 COLEMAN AAF DL

73-81

AM

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1960-1961

0000	45.1	54.1	54.7	56.3	56.5	56.5	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
0005	51.9	61.4	62.2	64.8	65.1	65.1	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
0010	51.5	61.4	62.2	64.8	65.1	65.1	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
0015	57.3	62.2	63.7	65.6	65.9	65.9	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
0020	63.1	63.3	64.1	66.9	67.2	67.2	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
0025	69.1	69.8	70.9	74.0	74.5	74.5	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
0030	67.4	71.4	72.6	76.1	76.6	76.6	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
0035	67.5	79.2	81.8	84.6	85.1	85.1	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
0040	69.3	81.2	83.1	87.7	88.1	88.1	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
0045	70.8	82.8	84.7	89.6	90.1	90.1	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
0050	71.6	83.8	85.7	90.9	91.4	91.4	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0055	71.3	83.9	85.9	91.1	91.6	91.6	92.2	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
0100	72.4	84.6	86.5	92.1	92.5	92.5	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
0105	73.1	85.6	87.5	93.8	94.3	94.3	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
0110	74.4	87.3	89.3	96.1	96.6	96.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0115	74.5	87.5	89.6	96.4	96.9	96.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0120	75.1	88.0	90.1	97.2	97.7	97.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0125	75.2	88.1	90.3	97.4	98.1	98.1	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0130	75.2	88.5	90.6	97.7	98.4	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0135	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0140	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0145	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0150	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0155	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0200	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0205	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0210	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0215	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0220	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0225	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0230	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0235	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0240	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0245	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0250	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0255	75.3	88.6	90.7	97.9	98.5	98.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 616

FEDERAL CLIMATOLOGY BRANCH  
 AFSTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH REPORT ON  
 FORM 105-1

STATION COLEMAN AAF DL

73-31

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

CEILING	1000	900	800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800	900	1000
1000	34.3	42.0	43.7	47.4	49.1	49.5	50.6	51.2	51.5	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
900	27.9	46.5	48.1	53.3	55.2	55.7	57.0	57.6	57.9	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
800	31.1	46.7	48.5	53.8	55.4	55.9	57.7	57.9	58.2	58.4	58.4	58.4	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6
700	33.1	46.8	48.6	53.5	55.4	55.9	57.2	57.9	58.2	58.4	58.4	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
600	33.6	47.3	47.1	54.3	56.3	56.5	57.8	58.4	58.7	58.9	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
500	39.4	48.5	50.3	55.4	57.4	57.9	59.2	59.9	60.2	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
400	42.1	51.7	53.8	59.7	61.8	62.3	63.8	64.6	65.1	65.4	65.4	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
300	43.6	53.5	55.6	61.8	63.9	64.4	66.1	66.9	67.4	67.7	67.7	67.8	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0
200	50.4	61.6	64.3	71.5	74.1	74.7	76.7	77.8	78.5	78.8	79.1	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
100	52.3	64.2	67.4	75.4	78.1	78.8	80.9	82.1	82.8	83.1	83.2	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
0	53.5	65.7	68.9	76.8	79.6	80.2	82.4	83.5	84.3	84.6	84.7	84.8	84.8	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0
1000	55.3	67.7	71.1	79.4	82.2	82.9	85.1	86.3	87.1	87.4	87.5	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
900	55.6	68.1	71.5	80.0	82.8	83.6	85.9	87.1	87.9	88.2	88.3	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
800	56.9	69.4	72.9	81.8	84.9	85.6	88.0	89.3	90.1	90.4	90.5	90.6	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
700	58.1	70.9	74.5	83.9	87.2	88.0	90.5	91.9	92.5	93.2	93.3	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
600	59.3	73.2	76.8	86.9	90.2	91.0	93.5	95.0	95.9	96.3	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
500	60.2	73.7	77.4	87.6	91.2	91.9	94.5	96.0	96.9	97.3	97.4	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
400	60.5	74.2	77.9	88.2	91.9	92.7	95.3	96.8	97.8	98.2	98.3	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
300	61.6	74.2	78.1	88.3	92.2	93.0	95.6	97.2	98.1	98.5	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
200	61.6	74.4	78.1	88.5	92.4	93.3	96.0	97.6	98.6	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	60.6	74.4	78.2	88.6	92.6	93.4	96.3	97.9	98.8	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1000	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.3	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	60.6	74.5	78.3	88.7	92.6	93.5	96.4	98.0	98.9	99.4	99.5	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 3607

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 2295 COLEMAN AAF DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
17.5	21.3	23.5	27.5	31.1	31.7	34.8	38.0	39.3	40.5	41.4	41.9	42.0	43.1	43.4	44.3		
18.9	23.2	25.3	29.8	34.2	34.9	37.9	41.4	42.7	43.9	44.8	45.3	45.4	46.8	47.3	48.1		
16.9	23.2	25.3	29.8	34.3	34.9	38.7	41.6	42.8	44.1	45.0	45.4	45.6	47.0	47.4	48.2		
18.9	23.2	25.3	29.8	34.3	34.9	38.7	41.6	42.8	44.1	45.7	45.4	45.6	47.1	47.4	48.2		
19.0	23.3	25.5	30.0	34.5	35.1	38.3	41.9	43.1	44.4	45.3	45.7	45.9	47.3	47.8	48.5		
19.3	23.6	25.9	30.3	34.8	35.5	39.8	42.3	43.6	44.8	45.7	46.2	46.4	47.8	48.2	49.7		
19.9	24.3	26.6	31.5	36.3	37.1	41.0	44.5	45.9	47.3	48.2	48.7	48.8	50.2	50.7	51.5		
20.2	24.6	27.0	32.6	37.4	38.2	42.0	45.9	47.3	48.7	49.6	50.1	50.2	51.6	52.1	52.9		
25.0	31.1	33.8	40.8	46.4	47.3	52.7	57.2	58.7	60.1	61.2	61.7	61.8	63.4	63.8	64.8		
26.6	33.1	35.9	43.7	49.8	50.7	56.1	61.1	62.8	64.3	65.8	66.5	66.8	68.3	68.8	69.9		
27.7	33.5	36.6	44.8	51.0	51.9	57.3	62.3	64.0	65.5	67.1	67.7	68.0	69.6	70.0	71.1		
28.7	35.4	38.8	47.9	54.6	55.6	62.4	68.2	70.7	71.6	73.1	73.7	74.1	75.6	76.1	77.1		
29.4	36.3	39.9	49.6	56.3	57.3	64.3	70.0	71.9	73.4	75.0	75.6	75.9	77.4	77.9	79.3		
31.1	38.9	42.8	52.9	60.4	61.8	69.4	75.3	77.4	79.6	81.5	82.1	82.4	83.9	84.4	85.5		
32.5	40.6	44.5	54.6	62.3	63.8	71.4	77.6	79.8	81.9	83.8	84.4	84.7	86.2	86.7	87.8		
33.4	41.9	45.7	56.0	64.1	65.7	73.4	79.6	81.8	83.9	85.8	86.4	86.7	88.4	88.9	90.0		
34.0	42.7	46.8	57.0	65.4	66.9	74.7	80.8	83.7	85.2	87.7	87.6	87.9	89.6	91.1	91.2		
34.7	43.7	47.9	58.4	66.9	68.5	76.2	82.4	84.7	87.0	88.9	89.5	89.8	91.7	92.1	93.2		
34.9	43.7	47.9	58.4	66.9	68.5	76.2	82.4	84.7	87.0	88.9	89.5	89.8	91.8	92.3	93.4		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	84.9	87.5	89.3	90.0	90.3	92.3	92.7	93.9		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	84.9	87.5	89.3	90.0	90.3	92.3	92.7	93.8		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	84.9	87.5	89.3	90.0	90.3	92.4	92.9	94.0		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	84.9	87.5	89.3	90.1	90.4	92.4	92.9	94.0		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	84.9	87.5	89.3	90.1	90.4	92.6	93.0	94.1		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	84.9	87.5	89.5	90.3	90.6	92.7	93.2	94.3		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	84.9	87.5	89.5	90.3	90.7	92.9	93.4	94.4		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	85.0	87.8	89.8	90.6	91.0	93.2	93.7	94.7		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	85.0	87.8	89.8	90.6	91.2	93.4	93.8	95.1		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	85.0	87.8	90.0	90.9	91.5	93.7	94.1	95.7		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	85.0	87.9	90.1	91.0	91.8	94.0	94.9	96.6		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	85.0	87.9	90.1	91.0	91.8	94.3	95.4	99.1		
34.9	43.7	47.9	58.6	67.1	68.6	76.4	82.5	85.0	87.9	90.1	91.0	91.8	94.3	95.5	100.0		

TOTAL NUMBER OF OBSERVATIONS 647



GLOBAL CLIMATOLOGY BRANCH  
 AFMSTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17035 COLEMAN AAF DL

73-81

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1950-1952

CEILING (FEET)	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	21.5	25.3	27.5	33.6	38.1	39.1	42.3	43.9	44.9	45.7	46.0	46.1	46.1	46.3	46.5	46.6	
900	23.5	28.8	30.3	37.0	42.9	43.2	46.5	48.2	49.2	50.3	50.5	50.6	50.6	50.9	51.1	51.3	
800	23.5	28.8	30.3	37.1	42.3	43.4	46.7	48.5	49.5	50.5	50.8	50.9	50.9	51.1	51.4	51.5	
700	23.6	28.9	30.6	37.5	42.7	43.3	47.1	48.9	49.9	50.9	51.1	51.3	51.3	51.5	51.8	51.9	
600	24.1	29.4	31.1	38.1	43.4	44.6	47.9	49.6	50.8	51.8	52.1	52.1	52.1	52.4	52.7	52.8	
500	25.6	31.6	33.6	41.5	47.1	48.2	51.5	53.3	54.4	55.4	55.7	55.8	55.8	56.1	56.3	56.4	
400	27.0	33.2	35.6	43.7	49.2	50.4	53.8	55.7	56.8	57.8	58.1	58.2	58.2	58.5	58.7	58.8	
300	33.7	41.7	43.6	52.9	59.1	60.4	63.8	65.8	66.9	68.1	68.3	68.4	68.4	68.7	68.9	69.1	
200	36.1	44.6	47.1	56.8	63.3	64.5	68.1	70.1	71.3	72.9	73.2	73.4	73.5	73.7	74.0	74.1	
100	36.4	44.9	47.5	57.3	63.8	65.0	68.6	70.6	71.8	73.4	73.7	73.9	74.0	74.2	74.5	74.6	
0	39.3	48.4	51.0	61.5	68.4	70.1	74.2	76.8	78.2	79.7	80.1	80.2	80.3	80.6	80.8	80.9	
1000	41.7	49.9	52.7	63.1	70.1	71.7	76.0	78.5	79.9	81.4	81.8	81.9	82.1	82.3	82.6	82.7	
900	42.1	52.9	55.7	66.9	74.5	76.4	81.2	83.8	85.2	86.9	87.2	87.4	87.5	87.8	88.0	88.1	
800	44.1	54.4	57.2	68.4	76.6	78.7	83.6	86.2	87.6	89.3	89.6	89.8	89.9	90.2	90.4	90.5	
700	45.6	56.3	59.2	71.6	80.1	82.2	87.2	90.0	91.4	93.1	93.4	93.6	93.7	93.9	94.2	94.3	
600	45.3	56.6	59.3	71.8	80.3	82.4	87.5	90.3	91.7	93.4	93.8	93.9	94.1	94.3	94.6	94.7	
500	46.0	56.8	59.7	72.2	80.8	83.0	88.0	90.8	92.2	94.1	94.4	94.6	94.7	94.9	95.2	95.3	
400	45.3	55.8	59.7	72.2	80.9	83.1	88.1	90.9	92.3	94.2	94.6	94.7	94.8	95.1	95.3	95.5	
300	46.1	56.9	59.8	72.3	81.2	83.3	88.4	91.2	92.4	94.7	95.1	95.2	95.3	95.6	95.8	96.0	
200	46.1	56.9	59.8	72.3	81.2	83.3	88.4	91.4	92.8	95.1	95.5	95.6	95.7	96.0	96.2	96.3	
100	46.1	56.9	59.8	72.3	81.2	83.3	88.6	91.7	93.1	95.5	95.8	96.0	96.1	96.3	96.6	96.7	
0	46.1	56.9	59.8	72.3	81.2	83.3	88.6	91.9	93.3	96.0	96.3	96.5	96.6	96.8	97.1	97.2	
1000	46.1	56.9	59.8	72.3	81.2	83.3	88.5	92.0	93.4	96.2	96.6	96.7	96.8	97.1	97.3	97.5	
900	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
800	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
700	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
600	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
500	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
400	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
300	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
200	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
100	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	
0	46.1	56.9	59.8	72.3	81.2	83.3	88.6	92.0	93.6	96.3	96.7	96.8	97.0	97.2	97.5	97.6	

TOTAL NUMBER OF OBSERVATIONS 792

# CEILING VERSUS VISIBILITY

2

17205 COLEMAN AAF DL

73-81

SLP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

IN STATUTE MILES

CEILING	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
NO CEILING	27.0	33.3	35.7	41.3	42.6	42.8	44.4	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
10000	31.1	38.8	40.3	47.0	48.5	48.8	51.0	51.7	51.7	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
8000	31.1	38.8	42.3	47.0	48.5	48.8	51.0	51.7	51.7	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
6000	31.1	38.8	40.4	47.1	48.7	48.9	51.1	51.8	51.8	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
4000	32.1	39.9	41.4	48.2	49.9	50.2	52.3	53.1	53.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
3000	35.7	44.0	45.6	52.3	54.2	54.5	56.8	57.5	57.5	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	58.4	58.4
2000	37.1	46.6	48.4	55.1	57.3	57.5	59.8	60.6	60.6	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
1500	44.7	55.4	57.4	65.9	68.3	68.6	71.0	71.7	71.7	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
1000	47.8	53.8	60.8	69.8	72.4	72.6	75.0	76.0	76.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
800	47.9	58.9	61.7	70.0	72.5	72.8	75.2	76.2	76.3	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
600	51.2	63.1	65.1	74.3	76.8	77.1	79.5	80.5	80.6	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
4500	52.0	63.9	66.0	75.5	78.1	78.5	81.9	81.9	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
4000	53.5	66.2	68.7	79.2	82.1	82.5	85.2	86.2	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
3500	56.4	70.1	72.8	83.8	86.8	87.2	90.0	91.0	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	92.0	92.0	92.0	92.0
3000	59.6	73.5	76.2	88.3	91.4	91.9	94.8	95.8	95.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2500	59.9	74.0	76.7	88.8	91.9	92.4	95.3	96.3	96.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2000	60.2	74.3	76.9	89.2	92.3	92.8	95.8	96.8	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1500	67.5	74.5	77.2	89.5	92.5	93.0	96.1	97.1	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	60.5	74.5	77.2	89.5	92.6	93.2	96.2	97.2	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
800	60.5	74.5	77.2	89.5	92.6	93.2	96.2	97.6	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
600	60.5	74.5	77.2	89.5	92.6	93.2	96.3	97.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
4500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
4000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
3500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
3000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
800	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
600	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
4500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
4000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
3500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
3000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1500	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1000	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
800	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
600	60.5	74.5	77.2	89.5	92.6	93.2	96.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 789

2  
 FEDERAL CLIMATOLOGY BRANCH  
 ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

COLEMAN AAF DL

72-51

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

33.4	39.4	47.8	43.4	44.4	44.4	44.5	44.5	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1
39.1	46.3	47.9	51.1	52.6	52.6	52.7	52.7	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.3
39.3	46.6	48.1	51.3	52.8	52.8	53.1	53.1	53.1	53.4	53.5	53.5	53.5	53.5	53.5	53.5
39.4	46.7	48.3	51.5	53.0	53.1	53.1	53.1	53.3	53.5	53.7	53.7	53.7	53.7	53.7	53.7
39.9	47.3	48.3	52.3	53.5	53.5	53.7	53.7	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2
41.5	48.3	49.8	53.4	55.2	55.2	55.3	55.3	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9
42.9	51.2	52.8	56.9	58.8	58.8	58.9	58.9	59.1	59.4	59.4	59.5	59.5	59.5	59.5	59.5
44.3	53.7	55.3	59.5	61.7	61.7	61.9	61.9	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4
44.7	64.4	66.3	70.6	73.0	73.0	73.2	73.2	73.4	73.6	73.8	73.8	73.8	73.8	73.8	73.8
57.6	68.7	71.7	76.0	79.4	79.4	79.6	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
62.3	69.3	71.6	76.1	79.1	79.1	79.3	79.3	79.5	79.8	79.9	79.9	79.9	79.9	79.9	79.9
63.3	75.5	77.7	83.2	85.7	85.7	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
64.4	77.5	79.8	85.3	87.9	87.9	88.1	88.2	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8
66.4	79.9	82.2	86.5	91.0	91.0	91.3	91.4	91.5	91.8	92.0	92.0	92.0	92.0	92.0	92.0
68.4	83.7	85.3	91.5	94.8	94.8	94.9	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1
71.0	83.9	86.5	93.9	96.4	96.4	96.8	96.9	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5
73.7	84.6	87.2	94.6	97.1	97.1	97.5	97.6	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2
71.7	84.9	87.5	94.9	97.5	97.5	98.1	98.2	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8
71.7	85.3	87.7	95.3	97.6	97.6	98.2	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
71.0	85.0	87.9	95.1	97.8	97.8	98.3	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0
71.0	85.0	87.8	95.1	97.8	97.8	98.6	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
71.1	85.1	87.8	95.1	97.8	97.8	98.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
71.7	85.3	87.8	95.1	97.8	97.8	98.6	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
71.1	85.0	87.8	95.1	97.8	97.8	98.6	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6
71.7	85.3	87.8	95.1	97.8	97.8	98.6	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
71.7	85.3	87.8	95.1	97.8	97.8	98.6	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6
71.7	85.3	87.8	95.1	97.8	97.8	98.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
71.7	85.3	87.8	95.1	97.8	97.8	98.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
71.0	85.0	87.8	95.1	97.8	97.8	98.6	99.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 721

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE 7MAC

# CEILING VERSUS VISIBILITY

170AF  
COLEMAN AAF DL

73-31

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1800-2000

33.1	41.2	42.6	45.6	46.4	46.5	46.7	46.9	46.9	47.2	47.4	47.4	47.6	47.6	47.6	47.6
36.7	46.9	48.7	52.6	53.5	53.8	54.2	54.4	54.4	54.9	55.1	55.1	55.2	55.2	55.2	55.2
37.1	47.1	48.8	52.8	53.6	54.0	54.4	54.5	54.5	55.1	55.2	55.2	55.4	55.4	55.4	55.4
37.1	47.1	48.9	52.8	53.6	54.0	54.4	54.5	54.5	55.1	55.2	55.2	55.4	55.4	55.4	55.4
37.5	47.4	49.2	53.5	54.4	54.7	55.1	55.2	55.2	55.8	56.1	56.1	56.3	56.3	56.3	56.3
37.0	47.8	50.5	54.9	55.8	56.1	56.5	56.7	56.7	57.2	57.5	57.5	57.7	57.7	57.7	57.7
39.4	51.0	53.4	57.0	57.9	58.3	58.6	58.8	58.8	59.3	59.7	59.7	59.9	59.9	59.9	59.9
41.9	53.8	55.4	59.9	60.7	61.1	61.5	61.6	61.6	62.2	62.5	62.5	62.7	62.7	62.7	62.7
51.7	63.2	66.1	70.7	71.6	71.9	72.3	72.5	72.5	73.0	73.4	73.4	73.5	73.5	73.5	73.5
54.9	70.0	72.6	78.2	79.4	79.8	80.1	80.3	80.3	80.8	81.2	81.2	81.3	81.3	81.3	81.3
56.9	72.1	75.1	80.5	81.7	82.1	82.4	82.6	82.6	83.1	83.5	83.5	83.7	83.7	83.7	83.7
60.7	75.4	79.8	85.4	86.9	87.2	87.6	87.7	87.7	88.3	88.6	88.6	88.8	88.8	88.8	88.8
82.3	78.3	81.5	87.2	88.6	89.0	89.3	89.5	89.5	90.1	90.4	90.4	90.6	90.6	90.6	90.6
83.4	79.6	82.9	89.5	91.1	91.5	91.8	92.0	92.0	92.5	92.9	92.9	93.1	93.1	93.1	93.1
85.7	81.9	85.4	92.0	93.8	94.0	94.3	94.5	94.5	95.1	95.4	95.4	95.6	95.6	95.6	95.6
86.1	83.5	87.1	94.5	96.1	96.4	96.8	97.2	97.2	97.7	98.0	98.0	98.2	98.2	98.2	98.2
86.1	83.7	87.4	95.0	96.6	97.1	97.3	97.7	97.7	98.2	98.6	98.6	98.8	98.8	98.8	98.8
86.3	83.8	87.6	95.6	97.2	97.7	98.0	98.6	98.6	99.1	99.5	99.5	99.6	99.6	99.6	99.6
86.3	83.8	87.6	95.6	97.2	97.7	98.0	98.6	98.6	99.1	99.5	99.5	99.6	99.6	99.6	99.6
86.3	83.8	87.6	95.6	97.3	97.9	98.2	98.8	98.8	99.3	99.6	99.6	99.8	99.8	99.8	99.8
86.3	83.8	87.6	95.6	97.3	97.9	98.2	98.8	98.8	99.3	99.6	99.6	99.8	99.8	99.8	99.8
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0
86.3	83.8	87.6	95.6	97.3	97.9	98.4	98.9	98.9	99.5	99.8	99.8	99.8100.0	100.0100.0	100.0100.0	100.0100.0

TOTAL NUMBER OF OBSERVATIONS 563

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

# CEILING VERSUS VISIBILITY

1955 COLEMAN AAF BL

73-81

SEP

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

26.7	32.1	33.6	38.2	40.4	40.9	42.5	43.7	44.2	44.9	45.2	45.3	45.3	45.6	45.7	45.9
29.7	35.5	38.2	43.3	46.0	46.5	48.4	49.7	50.1	50.9	51.2	51.3	51.4	51.7	51.9	52.1
29.9	35.6	38.3	43.4	46.2	46.7	48.6	49.8	50.3	51.1	51.4	51.5	51.6	51.9	52.1	52.2
29.3	35.6	38.3	43.5	46.2	46.7	48.6	49.9	50.3	51.1	51.4	51.5	51.6	51.9	52.1	52.2
30.0	36.4	38.6	43.8	46.6	47.1	49.1	50.3	50.7	51.5	51.9	52.1	52.1	52.3	52.5	52.6
30.3	37.7	39.4	44.8	47.7	48.2	50.1	51.4	51.9	52.7	53.0	53.1	53.2	53.5	53.6	53.8
32.5	40.1	42.3	47.8	50.9	51.4	53.4	54.7	55.2	56.0	56.3	56.5	56.5	56.8	57.0	57.1
34.1	42.1	44.2	51.1	53.3	53.8	55.9	57.2	57.7	58.6	58.9	59.0	59.1	59.4	59.5	59.7
41.3	50.9	53.1	60.1	63.7	64.2	66.7	68.1	68.7	69.6	69.9	70.0	70.1	70.4	70.6	70.8
44.4	54.7	57.1	64.7	68.5	69.1	71.5	73.1	73.8	74.8	75.2	75.4	75.5	75.8	76.1	76.2
45.3	55.4	57.9	65.3	69.4	70.0	72.4	74.0	74.7	75.7	76.1	76.3	76.4	76.7	76.9	77.1
49.3	59.3	62.1	70.2	74.3	74.9	77.8	79.7	80.4	81.3	81.8	81.9	82.1	82.4	82.5	82.8
49.6	59.7	63.5	71.8	75.9	76.7	79.6	81.5	82.2	83.1	83.6	83.7	83.9	84.2	84.3	84.6
51.2	63.1	66.1	75.1	79.7	80.5	83.7	85.6	86.4	87.5	88.1	88.2	88.3	88.6	88.8	89.0
53.2	65.6	68.6	77.8	82.6	83.5	86.7	88.8	89.5	90.6	91.1	91.3	91.4	91.7	91.9	92.1
54.1	67.5	71.6	80.7	85.6	86.5	89.9	92.0	92.7	93.8	94.4	94.5	94.6	95.1	95.1	95.4
55.2	68.0	71.2	81.3	86.2	87.2	90.5	92.6	93.4	94.5	95.1	95.2	95.3	95.6	95.8	96.0
55.5	68.4	71.6	81.9	86.9	87.8	91.3	93.4	94.2	95.4	95.9	96.0	96.1	96.5	96.7	96.9
55.6	68.5	71.7	82.0	87.0	88.0	91.4	93.5	94.3	95.5	96.0	96.1	96.2	96.7	96.8	97.0
55.6	68.5	71.7	82.1	87.2	88.1	91.5	93.7	94.4	95.8	96.3	96.4	96.5	97.0	97.1	97.3
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.0	94.8	96.2	96.7	96.9	97.1	97.4	97.6	97.8
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.1	94.9	96.4	96.9	97.0	97.2	97.6	97.7	97.9
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.0	96.4	97.0	97.1	97.2	97.7	97.8	98.1
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.1	96.5	97.1	97.2	97.3	97.8	97.9	98.1
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.1	96.5	97.1	97.2	97.4	97.8	98.1	98.2
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.0	96.6	97.2	97.4	97.5	98.0	98.1	98.4
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.0	96.6	97.2	97.4	97.6	98.1	98.2	98.5
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.1	96.6	97.2	97.6	97.8	98.3	98.5	98.8
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.1	96.6	97.2	97.6	97.9	98.4	98.7	99.1
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.0	96.6	97.2	97.6	97.9	98.5	98.8	99.7
55.6	68.5	71.7	82.1	87.2	88.1	91.7	94.2	95.0	96.7	97.4	97.8	98.0	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3512

GLOBAL CLIMATOLOGY BRANCH  
 AF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

172015 COLEMAN AAF DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

CEILING	20	26	31	34	38	43	47	50	55	60	65	70	75	80	85	90	95	100
1000	9.3	11.5	13.4	15.8	16.5	16.5	18.1	18.7	18.7	20.0	20.9	20.9	21.2	23.3	23.3	24.3		
900	10.1	12.6	14.9	17.9	18.5	18.5	20.3	21.2	21.2	22.8	23.6	23.8	24.1	25.9	26.2	27.2		
800	10.1	12.6	14.9	17.9	18.5	18.5	20.3	21.2	21.2	22.8	23.6	23.8	24.1	26.7	26.4	27.3		
700	10.1	12.6	14.9	17.9	18.7	18.7	20.4	21.4	21.4	23.0	23.8	24.7	24.3	26.2	26.5	27.5		
600	10.2	12.8	15.2	18.2	19.0	19.0	20.8	21.9	21.9	23.5	24.3	24.4	24.8	26.7	27.2	28.1		
500	11.1	14.1	16.4	19.8	20.8	20.8	23.2	24.6	24.6	26.2	27.0	27.2	27.5	29.6	30.0	31.0		
400	12.1	15.3	18.7	21.2	22.2	22.2	24.8	26.5	26.8	28.4	29.2	29.4	29.7	31.8	32.3	33.2		
300	14.5	18.7	21.9	25.1	26.2	26.2	28.8	31.3	31.8	33.5	34.3	34.5	35.7	37.2	37.7	38.8		
200	15.4	20.1	23.6	28.0	29.7	29.7	32.3	34.8	35.3	37.2	38.0	38.2	38.7	40.9	41.4	42.5		
100	15.4	20.1	23.6	28.4	30.2	30.2	32.7	35.6	36.1	38.7	39.7	39.1	39.6	41.9	42.3	43.5		
0	17.7	22.8	26.7	31.9	34.8	34.8	37.4	40.4	40.9	43.3	44.2	44.4	44.9	47.1	47.6	48.7		
1000	18.8	23.9	27.8	33.4	36.3	36.3	39.0	42.0	42.5	44.9	45.8	46.0	46.5	48.7	49.2	50.3		
900	21.2	26.5	31.1	37.1	39.9	39.9	42.8	46.2	47.0	49.5	50.5	50.8	51.3	53.5	54.7	55.1		
800	23.1	28.6	33.2	40.6	43.6	43.8	46.8	50.2	51.7	53.5	54.5	54.8	55.3	57.5	58.0	59.1		
700	23.3	30.5	35.5	43.1	46.3	47.0	50.5	53.8	54.6	57.7	58.8	59.6	60.1	62.3	62.8	63.9		
600	25.6	32.4	37.4	47.3	50.6	51.4	55.6	59.4	60.2	63.6	64.7	65.7	66.1	68.4	68.8	70.0		
500	28.1	36.1	42.8	52.9	56.4	57.2	62.0	65.8	66.6	70.4	71.9	72.8	73.5	75.7	76.2	77.3		
400	28.3	36.9	43.8	54.2	57.7	58.5	63.3	67.1	67.9	71.7	73.2	74.1	74.8	77.0	77.5	78.6		
300	29.4	38.0	44.9	55.6	59.1	59.9	65.0	69.5	70.3	74.3	75.9	76.8	77.5	79.9	80.4	81.5		
200	29.7	38.5	45.7	56.7	60.4	61.2	66.5	71.1	72.0	76.5	78.1	79.2	79.9	82.3	82.7	83.9		
100	29.9	38.8	46.7	57.2	61.0	62.0	67.7	72.7	73.6	78.3	80.0	81.2	81.8	84.2	84.7	85.8		
0	29.9	38.8	46.7	57.2	61.0	62.0	67.7	72.7	73.6	78.3	80.0	81.2	81.9	84.3	84.8	85.9		
1000	29.9	38.8	46.0	57.2	61.0	62.0	67.7	72.7	74.7	78.6	80.5	81.8	82.6	85.1	85.6	86.7		
900	27.9	38.8	46.7	57.2	61.2	62.1	68.1	73.0	74.3	78.9	80.8	82.1	83.1	85.8	86.3	87.4		
800	29.9	38.8	46.7	57.2	61.1	62.3	68.2	73.2	74.9	79.9	81.9	83.4	84.3	87.2	87.7	89.0		
700	30.0	39.0	46.2	57.3	61.9	62.5	68.4	73.3	75.2	80.4	82.7	84.2	85.1	88.0	88.8	90.3		
600	30.0	39.0	46.2	57.3	61.9	62.5	68.4	73.3	75.2	80.4	83.2	84.7	85.9	89.5	91.1	93.6		
500	33.0	39.0	46.2	57.3	61.9	62.5	68.4	73.3	75.2	80.4	83.2	84.7	85.9	90.6	92.8	96.5		
400	31.1	39.0	46.2	57.3	61.5	62.5	68.4	73.3	75.2	80.4	83.2	84.7	85.9	91.2	93.6	99.8		
300	30.0	39.0	46.2	57.3	61.5	62.5	68.4	73.3	75.2	80.4	83.2	84.7	85.9	91.2	93.6	100.0		

TOTAL NUMBER OF OBSERVATIONS 626

GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE / MAC

# CEILING VERSUS VISIBILITY

2

17205 COLEMAN AAF DL

73-31

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1000	11.5	13.7	14.5	18.3	20.5	21.1	21.6	22.8	23.3	23.4	23.7	23.8	23.9	24.3	24.6	24.6														
900	13.5	15.9	17.6	21.9	24.4	24.9	25.7	27.0	27.6	27.7	28.0	28.2	28.4	28.9	29.1	29.1														
800	13.5	15.9	17.6	21.9	24.6	25.1	25.8	27.1	27.7	27.9	28.2	28.5	28.6	29.1	29.4	29.4														
700	13.5	15.9	17.6	21.9	24.6	25.1	25.8	27.1	27.7	27.9	28.2	28.5	28.6	29.1	29.4	29.4														
600	13.7	16.2	17.8	22.3	25.6	26.1	26.8	28.1	28.8	28.9	29.3	29.5	29.6	30.1	30.5	30.5														
500	15.4	18.2	19.8	24.7	28.8	29.3	30.3	31.6	32.2	32.3	32.7	33.1	33.1	33.8	34.1	34.1														
400	16.3	19.2	21.1	26.5	30.8	31.7	33.1	34.6	35.2	35.4	35.8	36.0	36.1	36.9	37.2	37.2														
300	19.3	23.8	26.1	32.8	37.7	38.7	40.3	41.9	42.5	42.6	43.0	43.3	43.4	44.1	44.4	44.4														
200	21.3	27.0	29.3	37.2	42.1	43.1	44.8	46.4	47.1	47.5	47.8	48.1	48.2	49.0	49.2	49.2														
100	21.7	27.1	29.9	37.8	42.7	43.8	45.5	47.2	47.8	48.2	48.6	48.9	49.1	49.7	50.0	50.0														
0	23.3	29.6	32.6	41.6	46.9	48.0	49.9	51.8	52.4	52.8	53.2	53.4	53.6	54.1	54.6	54.6														
	25.3	31.3	34.4	43.4	49.0	50.1	52.2	54.1	54.7	55.2	55.6	56.0	56.1	56.9	57.1	57.1														
	27.5	34.1	37.4	47.1	52.8	54.1	56.4	58.5	59.2	59.9	60.3	60.7	60.8	61.6	61.8	61.8														
	29.5	36.4	39.9	50.3	56.5	58.0	60.7	62.8	63.5	64.2	64.6	65.0	65.1	65.9	66.2	66.2														
	32.4	39.7	43.5	55.5	62.0	63.5	66.4	68.7	69.3	70.5	70.9	71.2	71.4	72.1	72.4	72.4														
	33.3	41.7	45.9	58.5	65.3	66.5	70.1	72.4	73.0	74.6	74.9	75.3	75.4	76.2	76.5	76.5														
	34.9	43.1	47.5	61.2	68.1	69.7	73.2	76.0	76.7	78.5	79.1	79.5	79.6	80.4	80.7	80.7														
	35.4	43.4	47.8	61.8	68.7	70.4	73.9	76.8	77.6	79.4	80.0	80.4	80.5	81.3	81.6	81.6														
	35.4	44.3	48.9	63.2	70.7	72.4	76.2	79.5	80.4	82.4	83.2	83.6	83.7	84.5	84.7	84.7														
	35.5	44.3	49.2	63.9	71.4	73.2	77.4	80.8	81.7	83.8	84.6	85.0	85.1	85.9	86.1	86.1														
	35.6	44.5	49.5	64.2	72.3	74.2	78.5	82.2	83.2	85.4	86.5	86.9	87.2	88.0	88.3	88.3														
	35.6	44.5	49.5	64.2	72.3	74.2	78.5	82.2	83.2	85.6	86.8	87.2	87.4	88.3	88.5	88.5														
	35.6	44.5	49.5	64.2	72.3	74.3	78.9	82.7	83.7	86.3	87.4	87.8	88.0	89.1	89.3	89.3														
	35.6	44.5	49.5	64.2	72.3	74.3	79.0	83.1	84.1	86.6	87.9	88.3	88.5	89.6	89.8	89.8														
	35.6	44.5	49.5	64.2	72.4	74.4	79.1	83.2	84.2	86.9	88.2	88.5	88.8	89.8	90.1	90.1														
	35.6	44.5	49.5	64.2	72.4	74.4	79.1	83.2	84.2	87.2	88.7	89.1	89.3	90.5	90.7	90.7														
	35.6	44.5	49.5	64.2	72.4	74.4	79.1	83.3	84.4	87.3	89.1	89.6	89.8	91.0	91.5	91.5														
	35.6	44.5	49.5	64.2	72.4	74.4	79.1	83.3	84.5	87.8	89.8	90.6	91.2	93.4	94.5	94.5														
	35.6	44.5	49.5	64.2	72.4	74.4	79.1	83.3	84.5	87.8	89.9	90.7	91.5	94.9	96.4	96.4														
	35.6	44.5	49.5	64.2	72.4	74.4	79.1	83.3	84.5	87.8	89.9	90.7	91.5	94.9	96.6	96.6														
	35.6	44.5	49.5	64.2	72.4	74.4	79.1	83.3	84.5	87.8	89.9	90.7	91.5	94.9	96.6	96.6														

TOTAL NUMBER OF OBSERVATIONS 786

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

17235 COLEMAN AAF DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS)

1200-1400

SPEEDY STATE MILES

	20	26	21	24	21	22	21	21	21	21	24	21	21	25.6	24	24
15.2	18.4	19.8	24.3	26.8	26.9	27.7	28.2	28.4	28.4	28.4	28.5	28.9	29.0	29.0	29.0	29.0
17.8	21.2	22.7	29.0	31.5	31.7	32.6	33.1	33.2	33.3	33.3	33.5	33.8	34.1	34.1	34.1	34.1
18.1	21.6	23.1	29.4	32.1	32.2	33.1	33.4	33.7	33.8	33.8	34.0	34.4	34.5	34.5	34.5	34.5
18.1	21.6	23.1	29.4	32.1	32.2	33.1	33.6	33.7	33.8	33.8	34.0	34.4	34.5	34.5	34.5	34.5
19.5	22.1	23.6	29.9	32.8	33.0	33.8	34.4	34.5	34.6	34.6	34.7	35.1	35.2	35.2	35.2	35.2
19.3	22.9	24.6	30.9	34.0	34.1	35.0	35.5	35.6	35.8	35.8	35.9	36.3	36.4	36.4	36.4	36.4
20.3	23.9	25.7	32.3	36.3	36.3	37.5	38.1	38.2	38.3	38.3	38.4	38.8	39.0	39.0	39.0	39.0
21.3	25.5	27.9	34.6	38.7	39.1	40.2	40.7	40.9	41.0	41.0	41.1	41.5	41.6	41.6	41.6	41.6
26.7	32.4	34.6	42.4	45.6	47.0	48.1	48.8	48.9	49.0	49.0	49.2	49.6	49.7	49.7	49.7	49.7
28.9	34.9	37.0	45.6	49.8	50.3	51.6	52.4	52.5	52.6	52.6	52.7	53.1	53.3	53.3	53.3	53.3
29.5	35.5	37.7	46.6	51.1	51.6	53.0	53.8	53.9	54.0	54.0	54.2	54.5	54.7	54.7	54.7	54.7
33.1	39.7	42.1	52.0	56.4	57.0	58.4	59.1	59.4	59.6	59.6	59.8	60.2	60.3	60.3	60.3	60.3
34.4	41.3	43.8	53.6	58.4	58.9	60.3	61.0	61.3	61.6	61.6	61.7	62.1	62.2	62.2	62.2	62.2
37.5	45.0	47.9	58.1	63.0	63.5	65.3	66.0	66.3	66.5	66.5	66.7	67.0	67.2	67.2	67.2	67.2
40.4	48.3	51.7	62.2	67.7	68.2	70.2	71.1	71.4	71.6	71.6	71.8	72.2	72.3	72.3	72.3	72.3
43.7	53.1	55.7	68.3	74.2	74.7	77.3	78.5	78.9	79.2	79.2	79.3	79.7	79.8	79.8	79.8	79.8
45.1	55.3	58.1	71.4	77.4	77.9	80.7	82.0	82.4	83.0	83.0	83.1	83.5	83.7	83.7	83.7	83.7
46.5	57.5	60.5	75.1	81.5	82.0	85.2	86.7	87.1	87.9	88.0	88.4	88.5	88.5	88.5	88.5	88.5
46.5	57.6	60.7	75.6	82.0	82.5	85.7	87.2	87.6	88.4	88.4	88.5	88.9	89.0	89.0	89.0	89.0
46.6	58.1	61.2	77.3	84.2	84.8	88.1	89.7	90.2	90.9	90.9	91.1	91.4	91.6	91.6	91.6	91.6
46.6	58.1	61.2	77.5	84.7	85.4	89.0	90.7	91.2	92.0	92.0	92.1	92.5	92.6	92.6	92.6	92.6
46.6	58.1	61.2	77.7	84.8	85.7	89.4	91.4	92.3	93.1	93.1	93.2	93.6	93.7	93.7	93.7	93.7
46.6	58.1	61.2	77.7	84.8	85.7	89.4	91.4	92.5	93.2	93.2	93.4	93.7	93.9	93.9	93.9	93.9
46.6	53.1	61.2	77.7	84.8	85.7	89.5	91.7	92.7	93.6	93.6	93.7	94.1	94.4	94.4	94.4	94.4
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.1	93.1	94.3	94.3	94.4	94.8	95.0	95.0	95.0	95.0
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.1	93.1	94.4	94.4	94.5	94.9	95.1	95.1	95.1	95.1
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.3	93.9	95.4	95.4	95.8	96.2	96.4	96.6	96.6	96.6
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.5	94.0	95.8	95.9	96.4	97.1	97.7	97.8	98.2	98.2
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.5	94.0	95.8	96.0	96.6	97.6	98.3	98.5	99.1	99.1
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.5	94.0	95.8	96.0	96.6	97.6	98.3	98.6	99.5	99.5
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.5	94.0	95.8	96.0	96.6	97.6	98.6	99.0	100.0	100.0
46.6	58.1	61.2	77.7	85.1	86.0	89.9	92.5	94.0	95.8	96.0	96.6	97.6	98.6	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 783



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 72-9 COLEMAN AAF DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	20	26	31	34	37	41	44	47	50	54	58	62	66	70	74	78	82	86	90	94	98	100
NO CEILING	27.3	24.8	29.7	29.7	30.9	31.3	32.3	33.0	33.8	34.3	34.3	34.4	34.8	35.1	35.0	35.7						
2 2000	23.6	28.2	29.1	34.5	35.8	36.2	37.4	38.1	39.0	39.4	39.4	39.5	39.9	40.1	40.1	40.1						
2 1800	23.7	28.3	29.3	34.7	35.9	36.3	37.6	38.3	39.1	39.5	39.5	39.7	40.1	40.2	40.2	40.2						
2 1600	23.9	28.4	29.4	34.8	36.1	36.5	37.7	38.4	39.3	39.7	39.7	39.8	40.2	40.4	40.4	40.4						
2 1400	24.1	28.7	29.7	35.2	36.5	36.9	38.1	38.8	39.7	40.1	40.1	40.2	40.6	40.8	40.8	40.8						
2 1200	25.2	29.7	30.7	36.5	37.7	38.1	39.4	40.1	40.9	41.3	41.3	41.5	41.9	42.0	42.0	42.0						
2 1000	27.9	32.9	33.8	39.9	41.5	41.9	43.1	43.8	44.7	45.1	45.1	45.2	45.6	45.8	45.8	45.8						
2 900	30.3	35.2	36.2	42.3	44.2	44.7	45.9	46.6	47.4	47.9	47.9	48.1	48.4	48.5	48.5	48.5						
2 800	35.2	42.3	43.7	49.9	52.1	52.6	53.8	54.5	55.3	55.8	55.8	55.9	56.3	56.4	56.4	56.4						
2 700	38.6	46.7	47.7	55.5	58.3	58.8	60.1	61.0	61.9	62.3	62.3	62.4	62.8	63.0	63.0	63.0						
2 600	38.8	46.6	48.3	56.3	59.1	59.6	60.9	61.9	62.7	63.1	63.1	63.2	63.7	63.8	63.8	63.8						
2 500	41.9	50.2	52.0	60.6	63.9	64.5	65.7	66.7	67.5	68.4	68.4	68.5	68.9	69.1	69.1	69.1						
2 450	43.4	52.0	53.8	62.7	66.0	66.6	67.8	68.8	69.6	70.5	70.5	70.6	71.0	71.2	71.2	71.2						
2 400	46.5	55.8	57.6	66.4	70.0	70.6	72.1	73.2	74.2	75.0	75.0	75.2	75.6	75.7	75.7	75.7						
2 350	48.1	58.4	60.6	70.3	74.1	74.6	76.3	77.8	78.8	79.6	79.6	79.8	80.2	80.3	80.3	80.3						
2 300	53.7	65.0	67.5	78.2	82.1	82.7	84.6	86.4	87.4	88.2	88.2	88.3	88.8	88.9	88.9	88.9						
2 250	54.0	65.7	68.5	79.8	83.8	84.3	86.3	88.3	89.3	90.3	90.3	90.4	90.8	91.0	91.0	91.0						
2 200	54.6	66.7	69.8	81.3	85.9	86.4	88.5	90.6	91.5	92.5	92.5	92.6	93.1	93.2	93.2	93.2						
2 180	54.6	66.7	69.8	81.8	86.4	87.0	89.0	91.1	92.1	93.1	93.1	93.2	93.6	93.8	93.8	93.8						
2 160	54.6	66.7	69.8	81.8	86.4	87.4	89.5	91.7	92.6	93.6	93.6	93.9	94.3	94.5	94.5	94.5						
2 140	54.8	66.9	69.9	82.4	87.7	88.2	90.4	92.4	93.4	94.4	94.4	94.7	95.1	95.2	95.2	95.2						
2 120	54.8	66.9	69.9	82.4	87.7	88.5	91.0	93.2	94.2	95.2	95.2	95.5	96.3	96.4	96.4	96.4						
2 100	54.8	66.9	69.9	82.4	87.7	88.5	91.7	93.2	94.2	95.8	95.8	96.0	96.1	96.5	96.5	96.5						
2 90	54.8	66.9	69.9	82.4	87.7	88.5	91.1	93.5	94.5	96.1	96.1	96.3	96.4	96.8	96.8	96.8						
2 70	54.8	66.9	69.9	82.5	87.8	88.6	91.4	93.8	94.7	96.4	96.4	96.7	96.8	97.2	97.2	97.2						
2 60	54.8	66.9	69.9	82.5	87.8	88.6	91.4	93.8	94.7	96.5	96.5	96.7	96.8	97.2	97.4	97.4						
2 50	54.8	66.9	69.9	82.5	87.8	88.6	91.4	93.8	94.9	97.1	97.1	97.2	97.4	97.4	97.4	97.4						
2 40	54.8	66.9	69.9	82.5	87.8	88.6	91.4	93.8	94.9	97.1	97.2	97.4	97.4	97.9	98.2	98.2						
2 30	54.8	66.9	69.9	82.5	87.8	88.6	91.5	93.9	95.0	97.2	97.5	97.6	98.5	98.8	98.8	98.8						
2 20	54.8	66.9	69.9	82.5	87.8	88.6	91.5	93.9	95.0	97.2	97.5	97.6	98.5	98.8	98.8	98.8						
2 10	54.8	66.9	69.9	82.5	87.8	88.6	91.5	93.9	95.0	97.2	97.5	97.6	98.5	98.8	98.8	98.8						
2 0	54.8	66.9	69.9	82.5	87.8	88.6	91.5	93.9	95.0	97.2	97.5	97.6	98.5	98.8	98.8	98.8						

TOTAL NUMBER OF OBSERVATIONS 721

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

# CEILING VERSUS VISIBILITY

1 73-81 COLEMAN AAF DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000

VISIBILITY (STATUTE MILE)	PERCENTAGE FREQUENCY OF OCCURRENCE															
	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	27.1	27.4	28.1	30.9	32.3	32.3	33.9	34.6	35.2	37.1	37.1	37.3	37.3	37.3	37.3	37.3
900	22.4	30.4	31.3	34.5	35.9	35.9	37.5	38.2	38.7	40.7	40.7	40.9	40.9	40.9	40.9	40.9
800	22.6	30.6	31.4	34.6	36.1	36.1	37.7	38.4	39.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0
700	22.5	31.6	31.4	34.6	36.1	36.1	37.7	38.4	38.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0
600	23.3	31.8	32.7	35.9	37.3	37.3	38.9	39.6	40.1	42.1	42.1	42.3	42.3	42.3	42.3	42.3
500	25.0	33.7	34.6	37.8	39.3	39.3	40.9	41.6	42.1	44.0	44.0	44.4	44.4	44.4	44.4	44.4
400	25.6	34.5	35.7	38.9	40.3	40.3	41.9	42.6	43.2	45.1	45.1	45.5	45.5	45.5	45.5	45.5
300	31.1	40.5	42.1	45.5	47.1	47.1	48.8	49.6	50.1	52.0	52.0	52.4	52.4	52.4	52.4	52.4
200	34.6	45.1	47.4	51.3	52.9	53.1	55.1	56.1	56.7	58.6	58.6	59.0	59.0	59.0	59.0	59.0
100	35.3	46.2	49.5	52.4	54.0	54.2	56.1	57.2	57.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0
50	41.1	52.4	55.2	59.9	61.1	61.1	63.2	64.3	64.8	67.0	67.0	67.5	67.7	67.7	67.7	67.7
25	43.7	54.5	57.4	62.2	63.8	63.9	65.9	67.0	67.5	69.6	69.6	70.2	70.3	70.3	70.3	70.3
15	46.0	58.6	61.5	67.7	69.4	69.6	71.9	73.0	73.5	75.7	75.7	76.2	76.4	76.4	76.4	76.4
10	48.7	61.3	64.5	71.6	73.4	73.5	76.2	77.4	79.0	81.3	81.3	81.9	82.1	82.1	82.1	82.1
5	51.7	66.4	70.2	78.9	80.6	80.8	83.8	85.3	86.9	89.2	89.2	89.7	89.9	89.9	89.9	89.9
3	52.2	67.3	71.2	80.5	82.4	82.6	85.6	87.0	88.6	90.9	90.9	91.5	91.7	91.7	91.7	91.7
2	52.8	67.9	71.9	82.2	84.2	84.4	87.9	89.5	91.1	93.4	93.4	94.0	94.1	94.1	94.1	94.1
1	52.3	68.0	72.1	82.6	84.5	84.7	88.3	89.9	91.5	94.0	94.0	94.5	94.7	94.7	94.7	94.7
0.5	52.8	68.1	72.1	82.9	84.9	85.1	88.6	90.2	91.8	94.3	94.3	94.8	95.0	95.0	95.0	95.0
0.3	52.3	68.2	72.3	83.1	85.1	85.3	89.2	90.8	92.4	94.8	94.8	95.4	95.6	95.6	95.6	95.6
0.2	52.8	68.2	72.3	83.1	85.1	85.3	89.3	91.1	92.7	95.2	95.2	95.7	95.9	95.9	95.9	95.9
0.1	52.3	68.2	72.3	83.1	85.1	85.3	89.3	91.5	93.1	95.7	95.7	96.3	96.4	96.4	96.4	96.4
0.05	52.8	68.2	72.3	83.3	85.3	85.4	89.5	92.0	93.6	96.3	96.3	96.8	97.0	97.0	97.0	97.0
0.03	52.8	68.2	72.3	83.3	85.3	85.4	89.5	92.0	93.8	96.4	96.4	97.0	97.2	97.2	97.2	97.2
0.02	52.8	68.2	72.3	83.5	85.4	85.6	89.7	92.2	94.0	97.2	97.2	97.7	97.9	97.9	97.9	97.9
0.01	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.3	97.3	97.9	98.0	98.0	98.0	98.0
0.005	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.3	97.3	97.9	98.0	98.0	98.0	98.0
0.003	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.5	97.5	98.0	98.4	98.4	98.4	98.4
0.002	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.5	97.5	98.0	98.4	98.6	98.6	98.6
0.001	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.5	97.5	98.0	98.4	98.6	99.1	99.1
0.0005	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.5	97.5	98.0	98.4	98.6	99.1	99.1
0.0003	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.5	97.5	98.0	98.4	98.6	99.1	99.1
0.0002	52.3	68.2	72.3	83.7	85.6	85.8	89.9	92.4	94.1	97.5	97.5	98.0	98.4	98.6	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 563

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH FORM 12-61  
 SEE INSTRUCTIONS

1 7245 COLEMAN AAF DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	26	31	34	39	43	47	50	55	60	65	70	75	80	85	90
1000	15.2	18.9	20.0	23.6	25.3	25.5	26.6	27.3	27.7	28.4	28.6	28.7	29.0	29.4	29.5	29.7
900	17.4	21.4	22.9	27.4	29.2	29.4	30.6	31.4	31.9	32.6	32.8	33.0	33.3	33.7	33.9	34.1
800	17.5	21.5	23.1	27.6	29.4	29.6	30.8	31.6	32.1	32.8	33.1	33.2	33.5	34.0	34.1	34.3
700	17.5	21.6	23.1	27.6	29.4	29.6	30.8	31.7	32.1	32.9	33.1	33.3	33.5	34.0	34.1	34.3
600	17.7	21.7	23.2	27.8	29.8	30.0	31.2	32.0	32.5	33.2	33.5	33.6	33.9	34.4	34.5	34.7
500	18.2	22.4	23.9	28.6	30.7	30.9	32.1	33.0	33.4	34.2	34.4	34.6	34.8	35.4	35.5	35.7
400	19.9	24.3	25.9	31.8	33.3	33.6	35.0	35.9	36.4	37.1	37.3	37.5	37.8	38.4	38.5	38.7
300	21.1	25.7	27.5	32.7	35.4	35.7	37.3	38.3	38.8	39.6	39.8	40.0	40.2	40.8	41.0	41.2
200	25.4	31.4	33.5	39.2	42.1	42.5	44.2	45.4	45.9	46.7	46.9	47.1	47.4	48.0	48.2	48.4
100	27.9	34.4	36.8	43.5	46.7	47.2	48.9	50.3	50.8	51.7	51.9	52.1	52.4	53.1	53.1	53.3
0	28.2	34.9	37.3	44.2	47.6	48.1	49.8	51.3	51.8	52.6	52.9	53.1	53.4	54.0	54.2	54.4
1000	31.3	38.6	41.4	49.0	52.7	53.2	55.0	56.5	57.1	58.1	58.4	58.6	59.0	59.6	59.7	59.9
900	32.4	40.2	43.1	50.9	54.7	55.2	57.1	58.6	59.2	60.3	60.5	60.8	61.1	61.7	61.9	62.1
800	35.6	43.6	46.6	55.1	59.0	59.6	61.7	63.4	64.0	65.2	65.5	65.8	66.1	66.7	66.9	67.1
700	37.7	46.2	49.3	58.8	63.1	63.7	66.1	67.9	68.7	69.9	70.2	70.5	70.8	71.4	71.6	71.8
600	41.9	50.6	54.1	64.6	69.1	69.8	72.6	74.6	75.4	76.8	77.1	77.5	77.8	78.4	78.6	78.8
500	42.0	52.2	56.0	67.3	72.0	72.7	75.7	77.9	78.7	80.4	80.7	81.1	81.4	82.0	82.2	82.4
400	43.3	54.0	58.1	70.4	75.3	76.1	79.4	81.8	82.6	84.5	84.9	85.3	85.6	86.3	86.4	86.6
300	43.3	54.2	58.5	71.0	75.9	76.7	80.1	82.5	83.4	85.2	85.6	86.0	86.4	87.0	87.2	87.4
200	43.6	54.7	59.0	72.1	77.3	78.1	81.6	84.2	85.2	87.2	87.6	88.0	88.4	89.0	89.2	89.4
100	43.7	54.9	59.3	72.6	78.0	78.8	82.7	85.4	86.3	88.5	88.9	89.4	89.7	90.4	90.5	90.7
0	43.8	55.0	59.4	72.6	78.3	79.3	83.4	86.3	87.4	89.6	90.1	90.6	90.9	91.6	91.8	92.0
1000	43.8	55.7	59.4	72.8	78.3	79.3	83.4	86.3	87.4	89.8	90.4	90.8	91.2	91.9	92.1	92.2
900	43.8	55.1	59.4	72.8	78.4	79.4	83.5	86.7	87.8	90.1	90.7	91.2	91.6	92.3	92.5	92.7
800	43.8	55.0	59.4	72.9	78.4	79.5	83.7	86.9	88.1	90.5	91.2	91.6	92.0	92.8	93.0	93.2
700	43.8	55.0	59.4	72.9	78.5	79.6	83.8	87.0	88.2	90.8	91.5	91.9	92.4	93.2	93.3	93.9
600	43.8	55.0	59.4	72.9	78.6	79.6	83.9	87.1	88.3	91.4	92.2	92.7	93.2	94.1	94.2	94.5
500	43.8	55.0	59.4	73.0	78.6	79.6	83.9	87.2	88.6	91.6	92.5	93.1	93.6	94.6	94.9	95.4
400	43.8	55.0	59.4	73.0	78.6	79.6	83.9	87.2	88.7	91.8	92.8	93.5	94.4	95.7	96.3	97.4
300	43.8	55.0	59.4	73.0	78.6	79.6	83.9	87.2	88.7	91.8	92.9	93.6	94.4	96.3	97.2	98.7
200	43.8	55.0	59.4	73.0	78.6	79.6	83.9	87.2	88.7	91.8	92.9	93.6	94.4	96.5	97.5	99.9
100	43.8	55.0	59.4	73.0	78.6	79.6	83.9	87.2	88.7	91.8	92.9	93.6	94.4	96.5	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3479

GENERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

107245

COLEMAN AAF DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS.

3600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	2 1/2	2	1 3/4	1 1/2	1	3/4	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024
NO CEILING	12.4	14.6	16.4	19.3	20.0	20.3	21.0	21.9	22.0	22.2	22.2	22.4	22.4	22.9	22.9	23.7
2-2500	12.7	15.6	17.8	21.9	22.7	23.1	23.9	24.7	24.9	25.1	25.1	25.3	25.3	25.8	25.8	26.6
2-1800	12.7	15.6	17.8	21.9	22.7	23.1	23.9	24.7	24.9	25.1	25.1	25.3	25.3	25.8	25.8	26.6
2-1600	12.7	15.6	17.8	21.9	22.7	23.1	23.9	24.7	24.9	25.1	25.1	25.3	25.3	25.8	25.8	26.6
2-1400	12.7	15.6	17.8	21.9	22.7	23.1	23.9	24.7	24.9	25.1	25.1	25.3	25.3	25.8	25.8	26.6
2-1200	13.2	16.1	18.3	22.4	23.2	23.6	24.4	25.3	25.4	25.6	25.6	25.8	25.8	26.3	26.3	27.1
2-1000	14.2	17.8	19.8	23.9	24.7	25.1	25.9	26.8	26.9	27.1	27.1	27.3	27.3	27.8	27.8	28.6
2-900	14.4	17.8	20.3	24.6	25.4	25.8	26.6	27.5	27.6	27.8	27.8	28.0	28.0	28.5	28.5	29.3
2-800	13.1	22.7	25.8	30.7	31.9	32.2	33.1	33.9	34.2	34.4	34.4	34.6	34.6	35.1	35.1	35.9
2-700	22.3	25.3	28.6	33.6	34.9	35.4	36.3	37.3	38.0	38.1	38.1	38.3	38.3	38.8	38.8	39.7
2-600	21.5	26.8	30.0	34.9	36.3	36.8	37.6	38.6	39.3	39.5	39.5	39.7	39.7	40.2	40.2	41.0
2-500	26.4	32.5	36.1	41.5	42.9	43.4	44.6	45.8	46.8	46.9	46.9	47.1	47.1	47.6	47.6	48.5
2-450	27.3	33.7	37.3	43.6	45.1	45.6	46.8	48.0	49.0	49.2	49.2	49.3	49.3	49.8	49.8	50.7
2-400	30.7	37.3	41.7	49.0	50.7	51.2	52.4	53.6	54.6	54.7	54.7	54.9	55.1	55.6	55.6	56.4
2-350	34.1	41.4	46.1	54.1	56.1	56.6	58.7	59.2	60.2	60.5	60.5	60.7	60.8	61.4	61.4	62.2
2-300	39.0	46.3	51.5	60.3	62.9	63.4	64.9	66.3	67.6	68.0	68.0	68.1	68.5	69.0	69.0	69.8
2-250	40.5	50.0	55.4	64.6	67.1	67.8	69.7	71.0	72.4	72.7	72.7	72.9	73.2	73.7	73.7	74.6
2-200	43.4	54.2	60.0	70.0	72.9	73.6	75.6	77.5	78.8	79.3	79.5	79.8	80.2	80.7	80.7	81.5
2-180	43.9	54.9	61.0	71.2	74.1	74.7	76.9	78.8	80.2	80.7	81.4	81.7	82.0	82.5	82.5	83.4
2-150	44.2	55.3	61.9	72.0	75.6	76.9	79.5	81.7	83.1	83.6	84.2	84.6	84.9	85.4	85.4	86.3
2-120	44.1	55.3	61.9	72.7	76.4	77.8	81.4	83.7	85.1	85.6	86.3	86.6	86.9	87.5	87.5	88.3
2-100	44.3	55.3	61.9	72.9	76.8	78.1	81.7	84.1	85.8	86.6	87.5	87.8	88.3	88.8	88.8	89.7
2-90	44.2	55.3	61.9	73.1	77.1	78.5	82.0	84.4	86.1	86.9	87.8	88.1	88.6	89.2	89.2	90.0
2-80	44.2	55.3	61.9	73.1	77.3	78.6	82.2	84.7	86.6	87.5	88.3	88.6	89.2	89.7	89.7	90.5
2-70	44.2	55.3	61.9	73.2	77.6	79.0	82.5	85.3	87.9	88.3	89.2	89.5	90.0	90.5	90.5	91.4
2-60	44.2	55.3	61.9	73.2	77.6	79.0	82.5	86.1	88.3	89.2	90.2	90.7	91.2	91.7	91.7	92.5
2-50	44.2	55.3	61.9	73.2	77.6	79.0	82.5	86.3	88.5	89.8	90.8	91.4	91.9	92.4	92.4	93.2
2-40	44.2	55.3	61.9	73.2	77.6	79.0	82.5	86.6	88.8	90.8	91.9	92.4	92.9	93.4	93.4	94.4
2-30	44.2	55.3	61.9	73.2	77.6	79.0	82.5	86.8	89.0	91.2	92.2	92.7	93.2	94.1	94.2	96.3
2-20	44.2	55.3	61.9	73.2	77.6	79.0	82.5	86.9	89.3	91.7	92.7	93.2	93.7	94.9	95.4	98.0
2-10	44.2	55.3	61.9	73.2	77.6	79.0	82.5	86.9	89.3	92.0	93.2	93.7	94.2	95.4	96.3	100.0
2-0	44.2	55.3	61.9	73.2	77.6	79.0	82.5	86.9	89.3	92.0	93.2	93.7	94.2	95.4	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 590

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

# CEILING VERSUS VISIBILITY

17225 COLEMAN AAF DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

9900-1100

CEILING	12.5	15.0	17.5	19.0	21.0	22.5	23.5	24.0	24.0	24.2	24.3	24.4	24.6	25.0
12.5	12.6	15.6	17.7	19.6	21.3	22.2	23.5	23.5	24.0	24.0	24.2	24.3	24.4	24.6
15.0	14.3	17.8	19.6	23.1	24.4	24.6	26.2	27.8	27.8	28.3	28.3	28.4	28.6	28.8
17.5	14.6	18.0	19.9	23.4	24.7	24.8	26.4	28.0	28.0	28.6	28.6	28.7	28.8	29.0
19.0	14.6	18.7	19.9	23.4	24.7	24.8	26.4	28.0	28.0	28.6	28.6	28.7	28.8	29.0
21.0	15.1	18.7	20.6	24.3	25.6	25.8	27.4	29.0	29.0	29.5	29.5	29.6	29.8	29.9
22.5	15.2	18.8	20.7	24.4	25.9	26.3	27.6	29.2	29.2	29.8	29.8	29.9	30.0	30.2
23.5	16.4	20.7	22.7	26.6	28.0	28.2	29.8	31.5	31.5	32.0	32.0	32.2	32.3	32.4
24.0	17.3	21.8	23.9	27.9	29.4	29.5	31.1	32.8	32.8	33.4	33.4	33.5	33.6	33.8
24.2	27.4	26.8	29.2	33.6	35.5	35.6	37.4	39.1	39.1	39.8	39.8	39.9	40.1	40.2
24.3	22.3	26.7	31.2	35.8	37.7	37.8	40.1	42.3	42.9	43.5	43.5	43.8	43.9	44.1
24.4	23.1	29.8	32.3	37.1	39.0	39.1	41.8	43.7	44.2	44.9	44.9	45.1	45.3	45.4
24.6	26.2	33.8	36.3	41.8	43.7	43.8	46.2	48.5	49.1	49.8	49.8	50.1	50.2	50.3
25.0	27.8	35.5	38.1	44.6	46.9	47.1	49.5	51.8	52.9	53.1	53.1	53.4	53.5	53.7
25.5	30.6	39.3	42.1	49.1	51.7	51.9	54.3	56.6	57.3	57.9	57.9	58.3	58.5	58.6
26.0	35.0	44.5	48.1	55.7	58.2	58.5	60.9	63.4	64.1	64.8	65.0	65.4	65.6	65.7
26.5	39.5	49.4	53.3	61.3	64.0	64.2	66.9	69.6	70.2	70.9	71.2	71.6	71.7	71.8
27.0	47.6	51.1	55.1	63.6	66.5	66.8	69.4	72.2	72.9	73.6	73.6	74.2	74.4	74.5
27.5	42.2	53.5	59.1	69.0	72.8	73.3	76.5	79.7	80.5	81.3	81.6	82.1	82.2	82.4
28.0	42.2	53.5	59.1	69.0	72.8	73.3	76.5	79.7	80.5	81.3	81.6	82.1	82.2	82.4
28.5	42.3	53.9	60.2	70.8	74.9	75.6	79.4	83.3	84.2	85.3	85.6	86.1	86.2	86.4
29.0	42.3	53.9	60.2	71.0	75.4	76.5	80.4	84.4	85.4	86.8	87.2	87.7	87.9	88.0
29.5	42.3	53.9	60.2	71.3	76.0	77.0	81.2	85.3	86.5	88.0	88.4	88.9	89.1	89.2
30.0	42.3	53.9	60.2	71.3	76.1	77.2	81.6	85.7	87.2	88.7	89.1	89.6	89.7	89.9
30.5	42.3	53.9	60.2	71.3	76.2	77.3	81.7	85.8	87.3	88.9	89.5	90.0	90.1	90.3
31.0	42.3	53.9	60.2	71.3	76.6	77.7	82.1	86.6	88.4	90.0	90.5	91.1	91.2	91.6
31.5	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.2	88.9	90.5	91.1	91.7	92.0	92.4
32.0	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.6	89.5	91.4	92.4	93.3	93.6	94.0
32.5	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.7	89.6	92.4	92.9	93.9	94.1	94.7
33.0	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.7	89.6	92.5	93.2	94.4	94.7	95.2
33.5	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.7	89.6	92.7	93.3	94.5	94.9	95.9
34.0	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.7	89.6	92.8	93.6	94.8	95.2	96.1
34.5	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.7	89.6	92.8	93.6	94.8	95.2	96.1
35.0	42.3	53.9	60.2	71.3	76.8	77.8	82.2	87.7	89.6	92.8	93.6	94.8	95.2	96.1

TOTAL NUMBER OF OBSERVATIONS 749

GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 7285 COLEMAN AAF DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1000	15.4	19.0	19.9	22.8	23.4	23.4	24.2	24.5	24.8	24.9	25.7	25.2	25.2	25.2	25.2	25.2
900	19.4	23.6	24.1	29.1	28.8	28.8	30.0	30.4	30.7	30.8	30.9	31.2	31.2	31.2	31.2	31.2
800	19.8	24.1	24.6	28.6	29.3	29.3	30.5	30.9	31.2	31.3	31.5	31.7	31.7	31.7	31.7	31.7
700	19.9	24.1	24.6	28.6	29.3	29.3	30.5	30.9	31.2	31.3	31.5	31.7	31.7	31.7	31.7	31.7
600	20.1	24.4	24.9	28.9	29.6	29.6	30.8	31.2	31.5	31.6	31.7	32.0	32.0	32.0	32.0	32.0
500	20.3	24.6	25.2	29.6	30.3	30.3	31.5	31.9	32.1	32.3	32.4	32.7	32.7	32.7	32.7	32.7
400	21.4	26.6	27.2	31.9	32.7	32.7	33.9	34.3	34.5	34.7	34.8	35.1	35.1	35.1	35.1	35.1
300	23.4	28.4	28.9	33.6	34.8	34.8	36.4	36.8	37.1	37.2	37.3	37.6	37.6	37.6	37.6	37.6
200	28.1	34.7	35.3	40.3	41.6	41.6	43.5	43.9	44.3	44.6	44.7	45.0	45.0	45.0	45.0	45.0
100	30.3	37.5	38.2	44.0	45.5	45.5	47.8	48.3	48.9	49.1	49.3	49.5	49.5	49.5	49.5	49.5
0	31.9	39.3	39.3	45.1	46.6	46.6	48.9	49.4	49.9	50.2	50.3	50.6	50.6	50.6	50.6	50.6
1000	35.9	43.0	43.9	51.0	52.5	52.5	54.8	55.3	55.8	56.1	56.2	56.5	56.5	56.5	56.5	56.5
900	37.8	45.1	46.2	53.9	55.6	55.6	57.8	58.4	58.9	59.2	59.3	59.6	59.6	59.6	59.6	59.6
800	40.4	48.5	49.7	57.7	59.8	59.8	62.1	62.7	63.2	63.5	63.7	64.0	64.0	64.0	64.0	64.0
700	43.5	51.9	53.7	62.1	64.3	64.3	66.9	67.1	67.6	68.0	68.3	68.7	68.7	68.7	68.7	68.7
600	47.3	56.4	59.1	68.1	70.3	70.4	72.7	73.2	73.8	74.2	74.4	74.8	74.8	74.8	74.8	74.8
500	49.2	59.2	61.7	70.3	72.7	72.8	75.4	75.9	76.4	77.0	77.2	77.6	77.6	77.6	77.6	77.6
400	50.1	60.6	64.9	74.4	77.5	77.6	81.3	82.1	83.1	83.9	84.2	84.6	84.6	84.6	84.6	84.6
300	57.2	60.9	64.8	74.7	77.9	78.0	82.1	83.1	84.5	85.3	85.5	86.1	86.1	86.1	86.1	86.1
200	51.1	62.1	66.3	76.3	79.7	79.8	83.8	85.4	87.1	88.2	88.5	89.2	89.2	89.2	89.2	89.2
100	51.1	62.2	66.4	76.7	80.7	80.9	85.7	86.7	88.5	89.6	90.1	90.8	90.8	90.8	90.8	90.8
0	51.1	62.2	66.4	76.8	81.3	81.5	85.8	87.7	89.4	90.8	91.3	92.0	92.0	92.0	92.0	92.0
1000	51.1	62.2	66.4	76.8	81.3	81.5	86.1	88.0	89.8	91.3	91.8	92.5	92.5	92.5	92.5	92.5
900	51.1	62.2	66.4	76.8	81.3	81.7	86.5	88.5	90.5	92.5	93.0	93.7	93.7	93.7	93.7	93.7
800	51.1	62.2	66.4	76.8	81.5	81.9	87.0	89.0	91.0	93.0	94.0	94.6	94.6	94.6	94.6	94.6
700	51.1	62.2	66.4	76.8	81.8	82.3	87.4	89.8	92.1	94.1	95.0	95.7	95.7	95.7	95.7	95.7
600	51.1	62.2	66.4	76.8	81.9	82.5	87.6	90.0	92.2	94.5	95.4	96.3	96.4	96.4	96.4	96.4
500	51.1	62.2	66.4	76.8	81.9	82.5	87.6	90.0	92.2	95.0	96.0	96.8	96.9	97.1	97.1	97.1
400	51.1	62.2	66.4	76.8	81.9	82.5	87.6	90.0	92.2	95.2	96.1	96.9	97.2	97.5	97.6	98.0
300	51.1	62.2	66.4	76.8	81.9	82.5	87.6	90.0	92.2	95.6	96.5	97.3	97.6	98.4	98.7	99.7
200	51.1	62.2	66.4	76.8	81.9	82.5	87.6	90.0	92.2	95.6	96.5	97.3	97.6	98.4	98.7	100.0
100	51.1	62.2	66.4	76.8	81.9	82.5	87.6	90.0	92.2	95.6	96.5	97.3	97.6	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 787

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

107295 COLEMAN AAF DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATISTICS															
	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
NOV 17 1700	18.3	21.3	21.2	24.3	24.6	24.7	25.6	26.8	26.8	26.8	26.9	27.7	27.0	27.7	27.7	27.7
2 12000	22.7	25.1	26.3	31.1	30.4	30.6	31.4	32.6	32.6	32.6	32.7	32.9	33.0	33.0	33.0	33.0
2 10000	23.2	25.7	26.9	31.7	31.0	31.1	32.0	33.3	33.3	33.3	33.5	33.6	33.8	33.8	33.8	33.8
2 8000	23.4	25.9	27.0	30.8	31.1	31.3	32.2	33.5	33.5	33.5	33.6	33.8	33.9	33.9	33.9	33.9
2 6000	23.5	26.2	27.3	31.1	31.6	31.7	32.6	33.9	33.9	33.9	34.1	34.2	34.4	34.4	34.4	34.4
2 4000	23.9	26.6	27.8	31.6	32.0	32.2	33.0	34.4	34.4	34.4	34.5	34.6	34.8	34.8	34.8	34.8
2 3000	25.7	29.1	31.3	34.2	34.6	34.8	36.7	37.3	37.3	37.7	37.9	38.0	38.2	38.2	38.2	38.2
2 2000	26.9	30.7	31.9	36.0	36.4	36.5	38.0	39.3	39.3	39.8	39.9	40.1	40.2	40.2	40.2	40.2
2 1000	32.2	37.7	39.2	43.9	44.4	44.6	46.1	47.7	47.7	48.1	48.2	48.4	48.5	48.5	48.5	48.5
2 800	36.1	41.7	43.7	49.1	49.7	49.9	51.6	53.2	53.2	53.7	53.8	53.9	54.1	54.1	54.1	54.1
2 600	36.0	41.8	43.9	49.3	51.1	50.3	52.0	53.7	53.7	54.1	54.2	54.4	54.5	54.5	54.5	54.5
2 500	39.3	46.2	48.4	54.2	55.1	55.3	57.1	58.6	58.6	59.1	59.2	59.4	59.5	59.5	59.5	59.5
2 400	41.9	47.7	50.0	56.3	57.2	57.3	59.1	60.7	60.7	61.1	61.3	61.4	61.5	61.5	61.5	61.5
2 300	44.2	51.3	53.8	60.7	61.8	62.1	64.2	65.8	65.8	66.2	66.4	66.5	66.7	66.7	66.7	66.7
2 200	48.8	56.9	59.4	66.8	68.0	68.3	71.5	72.2	72.2	73.0	73.1	73.2	73.4	73.4	73.4	73.4
2 1000	53.1	62.0	65.1	73.4	74.7	75.0	77.5	79.2	79.2	80.0	80.1	80.3	80.4	80.4	80.4	80.4
2 800	54.3	63.7	67.0	75.3	76.8	77.0	79.5	81.3	81.6	82.3	82.5	82.6	82.7	82.7	82.7	82.7
2 700	56.3	65.6	69.6	78.5	80.4	80.7	83.6	85.7	86.3	87.0	87.3	87.4	87.9	87.9	87.9	87.9
2 600	56.9	66.2	70.3	79.4	81.3	81.6	84.5	86.5	87.3	88.0	88.3	88.5	88.9	88.9	88.9	88.9
2 500	57.2	66.7	70.9	80.0	82.2	82.5	85.8	88.0	89.0	89.9	90.2	90.4	90.8	90.9	90.9	90.9
2 400	57.3	66.8	71.1	80.8	83.3	83.6	87.7	90.5	91.7	92.8	93.3	93.7	94.2	94.3	94.3	94.3
2 300	57.3	66.8	71.1	80.8	83.3	83.6	87.9	90.6	91.8	93.0	93.4	93.9	94.3	94.4	94.4	94.4
2 200	57.3	66.8	71.1	81.3	83.8	84.1	88.5	91.7	92.8	94.3	94.7	95.2	95.6	95.8	95.8	95.8
2 1000	57.3	66.8	71.1	81.6	84.1	84.4	88.7	92.0	93.1	95.2	95.8	96.2	96.6	96.8	96.8	96.8
2 800	57.3	66.8	71.1	81.6	84.2	84.5	88.9	92.5	93.7	95.8	96.3	96.8	97.2	97.4	97.4	97.4
2 700	57.3	66.8	71.1	81.6	84.2	84.5	89.0	92.8	94.0	96.1	96.6	97.1	97.5	97.7	97.7	97.7
2 600	57.3	66.8	71.1	81.6	84.2	84.5	89.0	92.8	94.0	96.1	96.6	97.1	97.5	97.8	97.8	97.8
2 500	57.3	66.8	71.1	81.6	84.2	84.5	89.0	92.8	94.0	96.3	96.9	97.4	97.8	98.4	98.4	98.4
2 400	57.3	66.8	71.1	81.6	84.2	84.5	89.0	92.8	94.0	96.3	97.1	97.5	98.0	98.7	98.7	100.0
2 300	57.3	66.8	71.1	81.6	84.2	84.5	89.0	92.8	94.0	96.3	97.1	97.5	98.0	98.7	98.7	100.0
2 200	57.3	66.8	71.1	81.6	84.2	84.5	89.0	92.8	94.0	96.3	97.1	97.5	98.0	98.7	98.7	100.0
2 1000	57.3	66.8	71.1	81.6	84.2	84.5	89.0	92.8	94.0	96.3	97.1	97.5	98.0	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 684





FEDERAL CLIMATOLOGY BRANCH  
 AFM/TAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1950 COLEMAN AAF DL

73-41

NOV  
 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

19.1	19.0	20.7	22.9	23.8	24.1	24.8	25.6	25.8	25.9	26.7	26.1	26.2	26.3	26.7	26.5
19.8	22.1	23.4	27.0	28.0	28.2	29.2	30.2	30.3	31.5	30.6	30.7	30.8	30.9	30.9	31.2
19.7	22.4	23.7	27.3	28.3	28.5	29.5	30.5	30.6	30.8	30.9	31.0	31.1	31.2	31.3	31.5
19.1	22.4	23.7	27.4	28.4	28.6	29.5	30.5	30.7	30.9	30.9	31.1	31.1	31.3	31.3	31.5
19.3	22.7	24.0	27.7	28.7	28.9	29.9	30.9	31.7	31.2	31.3	31.4	31.5	31.5	31.7	31.9
19.5	23.1	24.3	28.2	29.3	29.4	30.4	31.4	31.5	31.7	31.8	32.1	32.0	32.1	32.7	32.4
21.7	24.9	26.3	30.3	31.4	31.6	32.7	33.7	33.9	34.2	34.3	34.4	34.5	34.6	34.6	34.9
22.1	26.2	27.6	31.8	33.0	33.1	34.4	35.4	35.5	35.9	35.9	36.1	36.1	36.3	36.3	36.5
23.3	31.8	33.5	38.1	39.5	39.7	41.7	42.3	42.5	42.8	42.9	43.0	43.1	43.2	43.3	43.5
22.0	34.3	36.7	41.8	43.4	43.7	45.2	46.6	47.7	47.4	47.5	47.7	47.7	47.8	47.9	48.1
31.7	36.5	37.8	43.1	44.8	45.0	46.8	48.0	48.4	48.8	48.8	49.0	49.1	49.2	49.2	49.5
33.7	40.4	42.4	48.4	50.0	50.3	51.9	53.4	53.9	54.3	54.3	54.5	54.6	54.7	54.7	55.7
32.7	42.1	44.2	50.8	52.6	52.9	54.6	56.3	56.5	56.9	57.1	57.2	57.2	57.4	57.4	57.6
32.2	46.1	48.5	55.9	58.1	58.4	60.1	61.6	62.1	62.5	62.5	62.8	62.8	63.7	63.7	63.2
41.9	51.5	53.3	61.2	63.5	63.8	65.6	67.1	67.6	68.1	68.3	68.5	68.6	68.7	68.7	69.7
42.1	55.5	58.9	67.5	69.9	71.2	72.1	73.8	74.3	74.8	75.0	75.2	75.3	75.5	75.5	75.7
47.4	57.5	61.1	69.8	72.4	72.8	74.9	76.5	77.1	77.7	77.8	78.1	78.1	78.3	78.3	78.6
49.4	60.4	64.3	74.4	77.6	78.0	80.5	82.5	83.4	84.1	84.3	84.6	84.8	84.9	84.9	85.1
49.6	61.7	65.2	75.1	78.3	78.7	81.4	83.6	84.6	85.2	85.5	85.9	86.1	86.2	86.2	86.5
50.1	61.3	66.3	76.3	79.8	80.4	83.5	85.9	87.1	87.9	88.2	88.6	88.8	88.9	89.1	89.2
50.2	61.4	65.3	76.8	81.6	81.2	84.5	87.2	88.5	89.4	89.8	90.2	90.4	90.6	90.6	90.9
50.3	61.4	66.3	77.0	81.1	81.8	85.3	88.1	89.5	90.6	91.1	91.5	91.7	91.9	91.9	92.7
50.2	61.4	66.3	77.1	81.2	81.9	85.6	88.4	89.8	91.0	91.5	92.7	92.2	92.3	92.3	92.6
50.2	61.4	66.3	77.2	81.3	82.1	85.8	88.8	90.1	91.8	92.3	92.7	93.0	93.1	93.1	93.4
50.2	61.4	66.3	77.2	81.6	82.3	86.2	89.3	90.9	92.5	93.2	93.6	93.8	94.0	94.1	94.3
50.2	61.4	66.3	77.2	81.7	82.5	86.3	89.9	91.6	93.2	93.9	94.3	94.6	94.8	94.8	95.1
50.2	61.4	66.3	77.2	81.7	82.5	86.4	90.1	91.9	93.8	94.5	95.1	95.4	95.6	95.7	96.0
50.2	61.4	66.3	77.2	81.7	82.5	86.4	90.3	92.0	94.3	95.0	95.6	95.9	96.3	96.4	96.8
50.2	61.4	66.3	77.2	81.7	82.5	86.4	90.3	92.1	94.4	95.1	95.8	96.2	96.6	96.8	97.6
50.2	61.4	66.3	77.2	81.7	82.5	86.4	90.3	92.1	94.7	95.4	96.1	96.5	97.2	97.6	99.1
57.2	61.4	66.3	77.2	81.7	82.5	86.4	90.3	92.2	94.9	95.7	96.4	96.7	97.5	98.0	100.0
57.2	61.4	66.3	77.2	81.7	82.5	86.4	90.3	92.2	94.9	95.7	96.4	96.7	97.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3292

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: COLEMAN AAF DL  
 (OFFICIAL USE)

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

USE PREVIOUS EDITIONS

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
17.1	14.7	16.7	21.2	21.8	22.2	22.4	23.4	23.6	23.8	24.0	24.2	24.2	24.2	24.2	24.2	24.4	24.4	24.4	24.4	
17.1	14.7	16.7	21.2	21.8	22.2	22.4	23.6	23.8	24.0	24.2	24.2	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.6	
17.1	14.7	16.7	21.2	21.8	22.2	22.4	23.6	23.8	24.0	24.2	24.2	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.6	
13.4	15.1	17.1	21.6	22.2	22.6	22.8	24.0	24.2	24.4	24.6	24.6	24.6	24.6	24.8	24.8	24.8	24.8	24.8	25.1	
14.9	16.1	18.1	22.6	23.2	23.6	23.8	25.1	25.3	25.5	25.7	25.7	25.7	25.7	25.9	25.9	25.9	25.9	26.1	26.1	
14.7	16.3	18.7	23.4	24.0	24.4	24.6	25.9	26.1	26.3	26.5	26.5	26.5	26.5	26.7	26.7	26.7	26.7	26.9	26.9	
15.5	17.5	20.0	24.8	25.5	25.9	26.1	27.3	27.5	27.9	28.1	28.1	28.1	28.3	28.3	28.3	28.3	28.3	28.5	28.5	
19.7	22.0	25.3	30.8	31.8	32.2	32.4	33.6	33.9	34.4	34.6	34.6	34.6	34.6	34.8	34.8	34.8	34.8	35.7	35.2	
23.2	23.8	27.1	33.4	34.4	34.8	35.4	36.7	36.9	37.9	38.1	38.1	38.1	38.3	38.3	38.3	38.3	38.5	38.7	38.7	
25.4	24.4	27.7	34.6	35.6	36.0	36.7	37.9	38.1	39.1	39.5	39.5	39.5	39.5	39.7	39.7	39.7	39.9	40.1	40.1	
23.2	27.3	31.0	38.7	39.7	40.1	40.7	42.0	42.2	43.2	43.6	43.6	43.6	43.8	44.0	44.0	44.0	44.2	44.2	44.2	
23.5	27.7	31.4	39.7	41.1	41.5	42.2	43.4	43.6	44.6	45.0	45.0	45.0	45.0	45.2	45.2	45.2	45.4	45.6	45.6	
27.7	32.1	35.6	44.2	45.6	46.2	46.8	48.3	48.5	49.5	49.9	49.9	49.9	50.1	50.3	50.3	50.3	50.5	50.5	50.5	
31.6	36.3	41.1	50.1	51.7	52.3	53.6	55.0	55.0	56.4	56.8	56.8	56.8	57.0	57.2	57.2	57.2	57.4	57.4	57.4	
36.7	42.2	47.7	56.6	58.2	58.9	60.3	62.1	62.3	63.7	64.2	64.2	64.2	64.4	64.6	64.6	64.6	64.8	64.8	64.8	
40.5	46.8	52.7	62.1	64.0	64.6	66.2	68.0	68.6	70.1	70.5	70.5	70.5	70.7	70.9	70.9	70.9	71.1	71.1	71.1	
43.4	51.7	58.1	68.0	70.7	71.3	73.7	75.6	76.2	77.8	78.2	78.2	78.2	78.4	78.6	78.6	78.6	78.8	78.8	78.8	
43.6	52.1	58.7	69.3	72.1	72.7	75.2	77.0	77.6	79.2	79.6	79.6	79.6	79.8	80.0	80.0	80.2	80.2	80.2	80.2	
44.4	53.2	59.9	71.3	74.3	74.9	78.0	79.8	80.4	82.3	82.7	82.7	82.7	82.9	83.1	83.1	83.3	83.3	83.3	83.3	
45.6	54.6	61.7	75.4	78.6	79.3	82.7	85.1	85.9	88.0	88.6	88.6	88.6	89.0	89.2	89.2	89.4	89.4	89.4	89.4	
45.2	55.6	62.9	77.4	80.7	81.3	84.7	87.4	88.2	90.6	91.2	91.4	91.4	91.6	91.9	91.9	92.1	92.1	92.1	92.1	
46.4	55.8	63.1	78.3	81.3	81.9	85.5	88.6	89.4	91.9	92.5	92.7	92.7	92.9	93.1	93.1	93.3	93.3	93.3	93.3	
45.6	56.0	63.3	78.4	81.7	82.3	85.9	89.0	89.8	92.3	92.9	93.1	93.1	93.3	93.5	93.5	93.7	93.7	93.7	93.7	
46.6	56.0	63.5	78.8	82.1	82.7	86.6	89.8	90.6	93.1	93.7	93.9	93.9	94.1	94.3	94.3	94.5	94.5	94.5	94.5	
45.6	56.1	63.5	78.8	82.1	82.7	86.6	90.2	91.0	93.9	94.5	94.7	94.7	94.9	95.1	95.1	95.3	95.3	95.3	95.3	
46.6	56.7	63.5	78.8	82.1	82.7	86.6	90.4	91.2	94.1	94.9	95.1	95.1	95.3	95.5	95.5	95.7	95.7	95.7	95.7	
46.6	56.0	63.5	78.8	82.1	82.7	86.6	90.4	91.2	94.5	95.3	95.9	95.9	96.3	96.5	96.5	96.7	96.7	96.7	96.7	
45.6	56.0	63.5	78.8	82.1	82.7	86.6	90.4	91.2	94.9	95.9	96.5	96.5	96.7	98.0	98.0	98.4	98.4	98.4	98.4	
46.6	56.7	63.5	78.8	82.1	82.7	86.6	90.4	91.4	95.1	96.1	96.7	96.9	98.2	98.8	98.8	99.0	99.0	99.0	99.0	
46.6	56.7	63.5	78.8	82.1	82.7	86.6	90.4	91.4	95.1	96.1	96.7	96.9	98.2	98.8	98.8	99.0	99.0	99.0	99.0	

TOTAL NUMBER OF OBSERVATIONS 491

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

17205 COLEMAN AAF DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1990-1100

CEILING	200	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110	116	122	128	134	140	146	152	158	164	170	176	182	188	194	200					
12.5	15.7	17.1	19.8	21.0	21.3	22.3	23.2	23.5	23.8	23.9	23.9	24.1	24.1	24.1	24.2	24.5																				
14.4	17.9	19.4	22.3	23.9	24.2	25.5	26.5	26.8	27.1	27.3	27.3	27.4	27.4	27.6	27.8	27.8																				
14.4	17.9	19.5	22.4	24.1	24.3	25.8	27.0	27.3	27.6	27.7	27.7	27.8	27.8	28.0	28.1	28.1																				
14.4	17.9	19.5	22.4	24.1	24.3	25.8	27.0	27.3	27.6	27.7	27.7	27.8	27.8	28.0	28.1	28.1																				
14.7	18.2	19.8	22.7	24.3	24.6	26.1	27.3	27.6	27.8	28.0	28.0	28.1	28.1	28.3	28.3	28.4																				
14.9	18.4	20.0	22.9	24.5	24.8	26.2	27.4	27.7	28.0	28.1	28.1	28.3	28.3	28.4	28.7																					
15.7	19.4	21.0	24.2	25.8	26.1	28.0	29.4	29.7	30.0	30.2	30.2	30.3	30.3	30.5	30.8																					
16.6	20.8	22.6	25.9	27.7	28.0	29.9	31.3	31.6	31.9	32.1	32.1	32.2	32.2	32.4	32.7																					
17.3	25.4	27.3	31.8	33.2	33.5	35.7	37.2	37.5	37.8	37.9	37.9	38.0	38.1	38.2	38.5																					
21.9	27.0	29.4	33.2	35.9	36.2	38.9	40.5	40.8	41.3	41.5	41.5	41.8	41.8	42.0	42.3																					
23.2	28.3	30.8	35.3	37.9	38.2	41.3	42.9	43.1	43.6	43.9	43.9	44.2	44.2	44.3	44.6																					
27.4	31.2	34.3	38.8	41.5	42.1	45.2	46.9	47.5	48.0	48.3	48.3	48.5	48.5	48.7	49.0																					
27.1	33.2	36.3	41.3	44.5	45.2	48.4	50.1	50.7	51.2	51.5	51.5	51.7	51.7	51.9	52.2																					
31.0	37.5	40.5	46.2	49.4	50.1	53.5	55.7	56.3	56.7	57.0	57.0	57.3	57.4	57.6	57.9																					
35.4	42.6	45.9	52.3	55.7	56.4	60.1	62.2	62.8	63.6	63.8	63.8	64.1	64.1	64.4	64.7																					
38.9	46.6	50.4	57.4	61.1	61.8	65.7	68.7	69.2	70.0	70.3	70.3	70.6	70.7	70.8	71.1																					
47.3	48.8	52.8	60.6	64.6	65.6	69.7	72.7	73.3	74.1	74.3	74.3	74.6	74.8	74.9	75.2																					
42.7	51.6	56.3	64.7	69.4	70.8	75.9	79.7	80.6	81.5	81.6	81.6	81.9	82.1	82.2	82.5																					
42.7	51.6	56.3	64.7	69.4	70.8	75.9	79.7	80.6	81.2	82.1	82.2	82.5	82.7	82.7	83.1																					
43.3	52.5	57.7	67.2	72.9	74.2	79.7	83.7	84.3	85.6	86.7	86.9	87.2	87.3	87.5	87.8																					
43.7	53.4	59.9	68.7	74.8	75.9	81.8	86.4	87.3	88.6	89.8	90.1	90.4	90.5	90.7	91.0																					
43.9	53.5	59.5	69.7	75.8	77.1	82.9	87.6	88.5	89.8	91.0	91.3	91.5	92.0	92.1	92.4																					
43.9	53.5	59.8	70.1	76.5	77.8	83.7	88.5	89.4	90.7	92.0	92.3	92.6	92.9	93.0	93.4																					
43.9	53.5	59.8	70.1	76.5	78.0	83.8	88.6	89.7	91.0	92.3	92.6	92.9	93.1	93.3	93.7																					
43.9	53.5	59.8	70.1	76.5	78.0	83.8	88.6	89.7	91.0	92.3	92.6	92.9	93.1	93.6	93.7																					
43.9	53.5	59.8	70.1	76.5	78.0	84.0	89.1	90.2	92.1	93.4	93.7	94.0	94.5	94.6	95.2																					
43.9	53.5	59.8	70.1	76.5	78.0	84.0	89.4	90.8	92.9	94.3	94.6	94.9	95.1	95.5	96.1																					
43.9	53.5	59.8	70.1	76.5	78.0	84.0	89.4	90.8	93.3	95.3	96.2	96.5	97.8	98.0	99.9																					
43.9	53.5	59.8	70.1	76.5	78.0	84.0	89.4	90.8	93.3	95.3	96.2	96.5	97.8	98.1	100.0																					

TOTAL NUMBER OF OBSERVATIONS 686

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

# CEILING VERSUS VISIBILITY

1 72 45 COLEMAN AAF DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	14.9	17.0	19.0	22.7	23.5	23.6	24.2	24.6	24.9	25.4	25.4	25.4	25.4	25.4	25.4	25.4
1-2000	17.7	20.1	21.4	27.3	29.3	28.4	29.3	29.8	30.1	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2-3000	17.7	20.2	21.7	27.7	29.9	29.0	30.2	30.6	30.9	31.7	31.7	31.7	31.7	31.7	31.7	31.7
3-4000	17.7	20.5	22.0	28.0	29.2	29.3	30.2	30.9	31.2	32.0	32.1	32.0	32.0	32.0	32.0	32.0
4-5000	18.6	21.3	22.7	28.9	30.1	30.2	31.4	31.8	32.1	32.8	32.8	32.8	32.8	32.8	32.8	32.8
6-6000	19.9	22.9	24.3	30.5	31.8	32.0	33.1	33.6	33.9	34.6	34.6	34.6	34.6	34.6	34.6	34.6
8-8000	21.1	23.9	25.4	31.7	33.0	33.1	34.3	35.0	35.3	36.1	36.1	36.1	36.1	36.1	36.1	36.1
10-10000	24.6	28.7	30.2	37.4	39.4	39.9	41.3	42.2	42.5	43.3	43.3	43.3	43.3	43.3	43.3	43.3
12-12000	26.3	30.6	32.7	40.0	42.5	43.0	44.7	45.6	45.9	46.8	46.8	46.8	46.8	46.8	46.8	46.8
14-14000	27.1	31.5	33.6	41.1	43.5	44.0	45.7	46.6	46.9	47.8	47.8	47.8	47.8	47.8	47.8	47.8
16-16000	30.3	35.9	38.1	45.9	48.4	48.8	50.6	51.8	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9
18-18000	31.7	37.1	39.3	47.5	50.0	50.4	52.2	53.4	53.7	54.5	54.5	54.5	54.5	54.5	54.5	54.5
20-20000	35.0	40.8	43.3	51.9	54.5	55.0	56.9	58.1	58.4	59.2	59.2	59.2	59.2	59.2	59.2	59.2
22-22000	38.3	44.3	46.9	56.0	59.1	59.7	61.6	62.8	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
24-24000	42.5	49.3	52.2	61.9	65.4	66.0	68.0	69.2	69.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0
26-26000	45.5	52.9	55.9	65.8	69.6	70.5	72.6	73.8	74.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0
28-28000	48.7	56.9	60.0	70.8	75.4	76.5	78.9	80.2	81.2	83.1	83.1	83.1	83.1	83.1	83.1	83.1
30-30000	48.7	56.9	60.0	71.7	76.5	77.7	80.1	81.4	82.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3
32-32000	49.7	57.9	62.8	74.5	80.1	81.2	84.2	85.9	87.0	89.0	89.4	89.6	89.6	89.6	89.6	89.6
34-34000	50.1	58.7	63.9	76.4	82.0	83.1	86.2	88.1	89.1	91.2	91.8	91.9	92.4	92.4	92.4	92.4
36-36000	50.4	58.9	64.8	77.7	83.3	84.5	87.5	89.4	90.9	93.0	93.5	93.8	94.3	94.3	94.3	94.3
38-38000	50.4	58.9	65.0	77.9	83.4	84.8	87.7	89.6	91.1	93.1	93.7	94.0	94.4	94.4	94.4	94.4
40-40000	50.4	58.9	65.0	77.9	83.4	84.8	87.8	89.0	92.1	94.1	94.7	95.0	95.5	95.5	95.5	95.5
42-42000	50.4	58.9	65.0	77.9	83.6	84.9	88.0	90.5	92.2	94.3	94.9	95.2	95.6	95.6	95.6	95.6
44-44000	50.4	58.9	65.0	77.9	83.7	85.0	88.3	91.2	93.0	95.2	95.7	96.0	96.5	96.5	96.5	96.5
46-46000	51.4	58.9	65.0	77.9	83.7	85.0	88.3	91.5	93.3	95.7	96.3	96.6	97.1	97.1	97.1	97.1
48-48000	51.4	58.9	65.0	77.9	83.7	85.0	88.3	91.6	93.4	96.3	97.1	97.4	97.8	97.9	97.9	97.9
50-50000	50.4	58.9	65.0	77.9	83.7	85.0	88.3	91.6	93.4	96.5	97.5	98.4	98.8	99.0	99.0	99.0
52-52000	50.4	58.9	65.0	77.9	83.7	85.0	88.3	91.6	93.4	96.5	97.5	98.4	98.8	99.1	99.3	99.7
54-54000	50.4	58.9	65.0	77.9	83.7	85.0	88.3	91.6	93.4	96.5	97.5	98.4	98.8	99.1	99.6	100.0
56-56000	50.4	58.9	65.0	77.9	83.7	85.0	88.3	91.6	93.4	96.5	97.5	98.4	98.8	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 682

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

172295 COLEMAN AAF DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	200	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	16.7	19.4	20.7	24.2	24.2	24.3	24.8	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.5	25.5	25.5
900	17.7	21.7	22.0	26.3	26.3	26.7	27.5	27.8	28.1	28.1	28.3	28.3	28.3	28.3	28.5	28.5	28.5
800	17.7	20.9	22.4	26.8	26.8	27.2	28.0	28.3	28.6	28.6	28.6	28.6	28.6	28.6	29.0	29.0	29.0
700	17.7	20.9	22.4	26.8	26.8	27.2	28.0	28.3	28.6	28.6	28.6	28.6	28.6	28.6	29.1	29.1	29.0
600	13.0	21.2	22.7	27.2	27.2	27.5	28.3	28.6	29.0	29.0	29.1	29.1	29.1	29.1	29.3	29.3	29.3
500	13.0	21.7	23.2	27.8	27.8	28.1	29.0	29.3	29.6	29.6	29.8	29.8	29.8	29.8	30.0	30.0	30.0
400	20.5	24.7	25.5	30.6	31.1	31.5	32.3	32.6	32.9	32.9	33.1	33.1	33.1	33.1	33.3	33.3	33.3
300	21.2	24.7	26.2	31.5	32.1	32.5	33.3	33.8	34.1	34.1	34.3	34.3	34.3	34.3	34.4	34.4	34.4
200	25.0	28.3	30.1	35.9	37.4	37.9	39.1	39.6	40.1	40.1	40.4	40.4	40.4	40.6	40.6	40.6	40.6
100	27.6	32.0	33.4	39.6	41.1	41.6	43.0	43.5	44.0	44.0	44.4	44.4	44.4	44.4	44.5	44.5	44.5
0	28.6	32.9	34.4	40.6	42.1	42.5	44.0	44.5	45.0	45.0	45.4	45.4	45.4	45.4	45.5	45.5	45.5
1000	32.3	37.6	39.1	45.7	47.5	48.0	49.5	50.0	50.5	50.5	50.8	50.8	50.8	50.8	51.0	51.0	51.0
900	33.3	39.2	40.7	47.5	49.3	49.8	51.3	51.8	52.3	52.3	52.6	52.6	52.6	52.6	52.8	52.8	52.8
800	37.6	43.7	45.4	52.2	54.0	54.5	56.0	57.0	57.5	57.8	58.1	58.1	58.1	58.1	58.3	58.3	58.3
700	41.4	47.5	49.2	56.0	57.9	58.4	60.3	61.3	61.8	62.3	62.7	62.7	62.7	62.7	62.9	62.9	62.9
600	46.2	54.1	56.0	62.9	65.1	65.7	68.0	69.2	69.7	70.2	70.9	70.9	70.9	70.9	71.0	71.0	71.0
500	48.3	56.6	59.4	66.9	69.0	69.7	72.0	73.2	73.7	74.2	74.8	74.8	74.8	74.8	75.0	75.0	75.0
400	50.5	60.1	63.2	72.5	75.7	76.7	79.6	81.1	81.8	82.5	83.1	83.1	83.1	83.1	83.3	83.3	83.3
300	51.7	61.8	65.1	75.2	78.3	79.5	82.5	83.9	84.6	85.3	85.9	85.9	85.9	85.9	86.1	86.1	86.1
200	52.5	62.6	66.1	76.7	79.8	81.0	84.4	85.9	86.9	87.7	88.4	88.4	88.4	88.4	88.6	88.6	88.6
100	52.5	62.6	66.2	78.1	81.5	82.6	86.1	87.7	88.7	89.6	90.6	90.6	90.6	90.6	91.1	91.1	91.1
0	52.5	62.6	66.2	78.8	82.1	83.3	86.9	88.7	90.2	91.6	93.0	93.9	94.0	94.2	94.2	94.2	94.2
1000	52.5	62.6	66.2	78.8	82.3	83.4	87.3	89.1	90.6	91.9	93.4	94.4	94.5	94.7	94.7	94.7	94.7
900	52.5	62.6	66.2	78.8	82.3	83.4	87.3	89.1	90.6	92.2	93.7	94.7	94.9	95.0	95.0	95.0	95.0
800	52.5	62.6	66.2	78.8	82.3	83.4	87.3	89.2	90.7	92.4	93.9	95.2	95.4	95.5	95.5	95.5	95.5
700	52.5	62.6	66.2	78.8	82.3	83.4	87.3	89.2	90.7	92.5	94.4	96.0	96.4	96.5	96.5	96.5	96.5
600	52.5	62.6	66.4	79.0	82.5	83.6	87.4	89.4	90.9	92.7	95.0	96.7	97.2	97.4	97.4	97.5	97.5
500	52.5	62.6	66.4	79.0	82.5	83.6	87.4	89.7	91.4	93.2	95.7	97.7	98.5	98.8	98.8	99.0	99.0
400	52.5	62.6	66.4	79.0	82.5	83.6	87.4	89.7	91.4	93.2	95.7	97.7	98.7	99.2	99.3	99.3	99.3
300	52.5	62.6	66.4	79.0	82.5	83.6	87.4	89.7	91.4	93.2	95.7	97.7	98.7	99.2	99.3	100.0	100.0
200	52.5	62.6	66.4	79.0	82.5	83.6	87.4	89.7	91.4	93.2	95.7	97.7	98.7	99.2	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 674

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

1 7295

COLEMAN AAF DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	19.5	21.6	21.9	23.9	24.9	24.9	25.2	25.2	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 2500	19.0	22.6	22.9	25.2	26.2	26.2	26.5	26.5	26.5	26.7	26.7	26.7	26.7	27.0	27.0	27.0
≥ 1800	19.0	22.6	22.9	25.2	26.2	26.2	26.5	26.5	26.5	26.7	26.7	26.7	26.7	27.0	27.0	27.0
≥ 1600	19.1	22.6	22.9	25.2	26.2	26.2	26.5	26.5	26.5	26.7	26.7	26.7	26.7	27.0	27.0	27.0
≥ 1400	19.1	22.6	22.9	25.2	26.2	26.2	26.5	26.5	26.5	26.7	26.7	26.7	26.7	27.0	27.0	27.0
≥ 1200	19.9	23.1	23.4	25.7	26.7	26.7	27.0	27.0	27.0	27.2	27.2	27.2	27.2	27.5	27.5	27.5
≥ 1000	21.3	25.4	25.7	28.8	29.8	29.8	30.6	30.6	30.6	30.8	30.8	30.8	30.8	31.1	31.1	31.1
≥ 900	21.7	26.2	26.5	29.6	30.6	30.6	31.4	31.4	31.4	31.6	31.6	31.6	31.6	31.9	31.9	31.9
≥ 800	23.9	28.5	28.8	31.9	32.9	32.9	33.7	34.7	34.7	35.0	35.0	35.0	35.0	35.2	35.2	35.2
≥ 700	28.0	33.2	33.4	37.0	38.0	38.0	38.8	40.4	40.4	40.6	40.6	40.6	40.6	40.9	40.9	40.9
≥ 600	29.5	33.9	34.2	37.8	38.8	38.8	39.6	41.4	41.4	41.6	41.6	41.6	41.6	41.9	41.9	41.9
≥ 500	32.9	39.3	39.6	44.5	45.5	45.5	46.3	48.1	48.1	48.3	48.3	48.3	48.3	48.6	48.6	48.6
≥ 450	34.4	40.9	41.2	46.0	47.0	47.0	47.8	49.6	49.6	49.9	49.9	49.9	49.9	50.1	50.1	50.1
≥ 400	39.3	46.3	47.1	52.2	53.2	53.2	54.2	56.0	56.0	56.3	56.3	56.3	56.3	56.6	56.6	56.6
≥ 350	43.2	50.6	51.9	57.3	58.4	58.4	60.2	62.5	62.5	62.7	62.7	62.7	62.7	63.0	63.0	63.0
≥ 300	49.4	57.6	58.9	65.3	66.3	66.3	68.4	70.7	70.7	71.5	71.5	71.5	71.5	71.7	71.7	71.7
≥ 250	50.9	59.4	60.9	69.7	70.7	71.0	73.0	75.3	75.3	76.1	76.1	76.1	76.1	76.3	76.3	76.3
≥ 200	51.9	61.7	63.8	74.3	75.6	76.1	79.2	82.5	82.5	83.3	83.3	83.3	83.3	83.5	83.5	83.5
≥ 180	52.4	62.5	64.5	75.3	76.9	77.4	80.5	83.8	83.8	84.6	84.6	84.6	84.6	84.8	84.8	84.8
≥ 150	54.7	64.3	66.6	78.7	80.5	81.0	84.1	87.4	87.4	88.2	88.2	88.2	88.2	88.4	88.4	88.4
≥ 120	54.5	65.3	67.6	79.9	82.0	82.5	85.6	88.9	88.9	89.7	89.7	89.7	89.7	90.0	90.0	90.0
≥ 100	55.0	65.8	68.1	81.5	83.5	84.1	87.1	90.5	90.5	91.5	91.5	91.5	91.5	92.0	92.0	92.0
≥ 90	55.3	66.1	68.4	81.7	84.1	84.6	87.7	91.0	91.0	92.0	92.0	92.0	92.0	92.5	92.5	92.5
≥ 80	55.3	66.1	68.4	81.7	84.1	84.6	87.7	91.0	91.0	92.0	92.0	92.0	92.0	92.5	92.5	92.5
≥ 70	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.3	91.5	93.6	93.6	94.1	94.3	94.6	94.6	94.6
≥ 60	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.3	91.5	93.8	93.8	94.9	95.1	95.4	95.4	95.4
≥ 50	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.5	92.0	94.3	94.3	95.4	95.6	95.9	95.9	95.9
≥ 40	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.5	92.0	94.9	94.9	95.4	95.6	95.9	95.9	95.9
≥ 30	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.5	92.0	95.1	95.1	95.6	95.6	95.9	95.9	95.9
≥ 20	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.5	92.0	95.1	95.1	95.6	95.6	95.9	95.9	95.9
≥ 10	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.5	92.0	95.1	95.1	95.6	95.6	95.9	95.9	95.9
≥ 0	55.5	66.3	68.6	82.0	84.3	84.8	87.9	91.5	92.0	95.1	95.1	95.6	95.6	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 389

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

1 7205 COLEMAN AAF DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	2	3	4	5	6	7	8	9	10
10000	14.7	17.4	18.7	22.2	22.9	23.1	23.7	24.3	24.5	24.7	24.8	24.8	24.8	24.9	24.9	25.0
8000	16.3	19.1	20.4	24.5	25.4	25.7	26.4	27.1	27.3	27.6	27.7	27.7	27.8	27.9	27.9	28.0
6000	16.3	19.2	20.6	24.8	25.7	25.9	26.8	27.5	27.7	28.1	28.2	28.2	28.2	28.3	28.3	28.4
4000	16.5	19.3	20.9	25.1	26.7	26.2	27.1	27.8	28.7	28.3	28.4	28.4	28.5	28.6	28.6	28.7
3000	17.1	20.0	21.5	25.7	26.6	26.9	27.7	28.4	28.6	29.0	29.1	29.1	29.1	29.2	29.2	29.3
2000	18.3	21.5	23.1	27.6	28.6	28.9	29.9	30.6	30.9	31.2	31.3	31.3	31.3	31.5	31.5	31.6
1800	19.1	22.5	24.1	28.8	29.9	30.2	31.2	32.0	32.3	32.6	32.7	32.7	32.8	32.9	32.9	33.0
1600	22.5	26.7	28.4	33.6	35.3	35.7	36.9	37.9	38.2	38.6	38.7	38.7	38.8	38.9	39.0	39.1
1400	24.7	29.2	31.2	36.7	38.6	39.0	40.6	41.7	42.7	42.9	42.7	42.7	42.7	42.8	42.9	43.0
1200	25.5	35.2	32.7	38.0	39.9	40.2	41.9	43.1	43.3	43.9	44.1	44.1	44.1	44.2	44.3	44.4
1000	28.8	34.1	36.4	42.7	44.7	45.1	46.8	48.0	48.4	48.9	49.1	49.1	49.2	49.3	49.4	49.5
800	30.0	35.5	37.8	44.5	46.6	47.1	48.8	50.0	50.4	50.9	51.1	51.1	51.2	51.3	51.4	51.5
600	33.9	39.8	42.3	49.3	51.5	52.0	53.8	55.3	55.6	56.2	56.5	56.5	56.5	56.7	56.7	56.8
400	37.6	44.3	46.8	54.3	56.7	57.2	59.4	60.9	61.3	62.1	62.3	62.3	62.4	62.6	62.6	62.7
300	42.4	49.6	52.7	60.6	63.2	63.8	66.2	68.1	68.4	69.4	69.7	69.7	69.7	69.9	70.0	70.1
250	44.8	52.6	56.1	64.7	67.5	68.2	70.7	72.6	73.1	74.1	74.4	74.4	74.5	74.6	74.7	74.8
200	47.0	55.9	60.0	69.7	73.2	74.2	77.4	79.7	80.3	81.5	81.9	81.9	82.0	82.2	82.2	82.3
180	47.5	56.6	60.7	70.8	74.5	75.5	78.8	81.1	81.7	82.9	83.3	83.4	83.5	83.6	83.7	83.8
160	48.4	57.6	62.3	73.2	77.3	78.4	82.1	84.5	85.2	86.6	87.2	87.3	87.4	87.5	87.6	87.7
140	48.9	58.4	63.3	75.2	79.5	80.5	84.4	87.2	88.0	89.5	90.2	90.4	90.6	90.7	90.8	90.9
120	49.2	58.8	64.0	76.5	80.8	81.8	85.8	88.6	89.7	91.3	92.0	92.4	92.6	92.8	92.8	93.0
100	49.3	58.8	64.1	76.8	81.2	82.2	86.2	89.2	90.2	91.8	92.7	93.1	93.1	93.5	93.6	93.7
80	49.3	58.9	64.2	76.8	81.3	82.4	86.4	89.5	90.6	92.3	93.2	93.6	93.9	94.1	94.1	94.2
60	49.3	58.9	64.2	76.9	81.5	82.5	86.6	89.7	90.9	92.7	93.6	94.1	94.3	94.5	94.6	94.7
40	49.3	58.9	64.2	76.9	81.5	82.6	86.6	90.0	91.2	93.2	94.1	94.7	95.0	95.2	95.2	95.3
30	49.3	58.9	64.2	76.9	81.5	82.6	86.7	90.3	91.5	93.7	94.7	95.4	95.7	95.9	95.9	96.1
20	49.3	58.9	64.3	77.0	81.5	82.6	86.7	90.4	91.7	94.1	95.3	96.0	96.3	96.6	96.6	96.8
10	49.3	58.9	64.3	77.0	81.5	82.6	86.7	90.5	91.8	94.5	95.9	97.0	97.4	97.9	97.9	98.1
5	49.3	58.9	64.3	77.0	81.5	82.6	86.7	90.5	91.8	94.6	96.1	97.2	97.7	98.7	98.8	99.8
0	49.3	58.9	64.3	77.0	81.5	82.6	86.7	90.5	91.8	94.6	96.1	97.2	97.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2852

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse



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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1972 07 COLEMAN AAF DL 73-81 JAN  
 STATION STATION NAME YEARS MONTH

PAGE 1 2670-0000  
 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																
6 / 57																		1	1																			
5 / 55				.2														1	1																			
4 / 53				.2														1	1																			
3 / 51				.5														4	4																			
2 / 49			.3	.3	.2													5	5																			
1 / 47		1.6	1.4															19	19																			
0 / 45	.2	2.7	1.9															24	24																			
4 / 43		2.7	1.4															26	26																			
3 / 41		7.8	1.9		.2													68	68																			
2 / 39		.3	3.4	1.6														46	46																			
1 / 37	1.4	8.1	.3															62	62																			
0 / 35	1.7	8.5	1.8															71	71																			
3 / 33	5.4	5.6	1.1															73	78	11																		
2 / 31	1.1	3.8																71	31	52																		
1 / 29	3.2	3.2																34	34	39																		
0 / 27	5.1	2.7																49	49	43																		
7 / 25	2.4	1.3																23	23	24																		
6 / 23	1.3	.2																9	9	14																		
5 / 21	2.7	.2																19	19	18																		
4 / 19	2.2	.3																16	16	15																		
3 / 17	.3	1.4																14	14	16																		
2 / 15	.2																	1	1	1																		
1 / 13	.5	.2																4	4	4																		
0 / 11	1.1	.3																9	9	9																		
9 / 9	.3	.3																3	3	3																		
8 / 7	.4	.2																1	1	1																		
7 / 5	.4	.2																3	3	3																		
6 / 3	.8	.2																4	4	4																		
5 / 1	.4	.2																1	1	1																		
4 / -1																																						
TOTAL	31.2	155.8	12.8	.5														626	626	676																		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	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	766467	21159	33.8	9.59	626		32.7					93
Wet Bulb	772635	20435	32.6	8.44	626		36.7					93
Dew Point	628688	19128	30.6	8.423	626	.6	51.6					93

USAFETAC FORM 164 JUL 64 0-16-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
 AFSC/TAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1977 01     COLEMAN AAF FL     77-01     JAN  
 STATION     STATION NAME     YEARS     MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
5 / 55			.1															2	7																
4 / 53				.1														1	1																
3 / 51	.1	.1	.2															9	9	3	1														
2 / 49	.1	.5	1.3															16	16	3	1														
1 / 47		.5	1.7															17	17	17	3														
0 / 45		2.7	1.3															72	30	25	9														
4 / 43	.3	3.6	1.9	.4														48	48	42	20														
3 / 41	.1	6.6	3.4	.1														79	79	35	31														
2 / 39	.1	7.8	1.3															74	74	56	39														
1 / 37	1.7	8.2	1.3															86	86	66	67														
0 / 35	1.3	7.4	2.1															81	81	77	75														
3 / 33	3.4	5.6	1.4															90	57	116	107														
2 / 31	.4	4.4																37	37	24	71														
1 / 29	2.5	2.8	.1															42	42	36	92														
0 / 27	.1	2.7	.4															53	53	57	94														
3 / 25	.9	1.4																17	17	13	34														
2 / 23	.3	1.3	.1															15	15	19	15														
1 / 21	.2	.3																19	19	26	27														
0 / 19	1.4	.5																15	15	14	23														
3 / 17	.9	.5																13	17	13	12														
2 / 15	.5	.5																6	6	6	11														
1 / 13	.1	.1																2	2	3	10														
0 / 11	.5	.4																3	6	6	8														
3 / 9	.1	.3																6	5	4	7														
2 / 7		.1																1	1	2	5														
1 / 5	.1																	2	2	3	2														
0 / 3	.1																	2	2	2	3														
3 / 1	.1																	2	2	2	2														
4																					4														
TOTAL	22.4	58.5	18.1	.5	.1													772	772		772														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5777554	66458	86.7	9.212	772	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	9927772	26938	34.9	8.815	772		29.8					93
Wet Bulb	677433	25711	33.3	8.197	772		34.8					93
Dew Point	789538	23834	30.9	8.348	772	.5	49.8					93

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

FEDERAL BUREAU OF SURVEY  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

1 12 15 COLEMAN AAF DL 73-81 JAN 1947  
 STATION MONTH

PAGE 1 1270-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																																																	
4 / 57				.1																															3	7																																	
4 / 51			.3	.5	.7																														9	9																																	
4 / 47			.4	.6	.8																														14	14	5																																
4 / 43			.1	.2	.3	.4	.1																												24	24	7	7																															
4 / 41			1.6	2.0	2.4	1.2	.1																												44	44	22	7																															
4 / 37			3.3	3.7	3.5																														65	65	47	12																															
4 / 33			.1	1.4	4.2	2.3																													62	67	43	26																															
4 / 29			.3	5.7	5.2	.4																													97	97	56	57																															
4 / 25			6.9	2.7																															76	76	26	37																															
4 / 21			.4	4.7	4.6	.3																													76	76	26	72																															
4 / 17			.4	5.2	3.0	.1																													66	66	67	54																															
4 / 13			1.7	4.9	1.4																														62	62	110	97																															
4 / 9			.3	3.4																															25	25	58	67																															
4 / 5			1.2	3.0	.3	.1																													43	43	46	85																															
4 / 1			1.3	4.7	.4																														73	73	31	5																															
3 / 25			.3	1.2	.4																														14	14	26	29																															
3 / 21			.4	.9	.4																														12	12	17	26																															
3 / 17			.5	.7																															9	0	13	20																															
3 / 13			.1	.4																															4	4	7	15																															
3 / 9				.5																															4	4	6	7																															
3 / 5					.1																														1	1	1	6																															
3 / 1				.5																															4	4	4	17																															
2 / 25			.4		.4																														2	2	3	5																															
2 / 21			.1	.4																															2	2	1	5																															
2 / 17																																				1	1																																
2 / 13																																				1	1																																
2 / 9																																																																					
2 / 5																																																																					
2 / 1																																																																					
1 / 31				.8	4.9	6.3	3.0	8.2	.5																																																												
1 / 27																																																																					
1 / 23																																																																					
1 / 19																																																																					
1 / 15																																																																					
1 / 11																																																																					
1 / 7																																																																					
1 / 3																																																																					
1 / 1																																																																					
TOTAL																																																																					
																															768																																						
																																768																																					
																																	768																																				

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AMC

# PSYCHROMETRIC SUMMARY

1972-73 STATION CALEMAN AFB AL 73-51 YEARS MONTH JAN  
PAGE 1 1972-17.0 HOURS 115.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
57					.1													5	5																
55				.2	.4													7	7																
53			.4	.6	.1													11	11																
51		.4	.4	.6	.1													11	11																
49			1.4	.1														15	16		.4														
47		1.5	1.2	1.7	.3													48	48		1.4														
45		2.4	2.2	2.4														50	50		1.4														
43		2.3	4.4	1.4														57	57		3.8														
41	.1	5.1	5.6	.5														63	63		5.0														
39		6.5	2.1	.1														62	62		5.0														
37	1.0	4.4	4.4	.1														70	70		5.0														
35	.3	5.3	3.2	.3														70	70		5.0														
33	1.5	4.4	3.2	.1														65	66	1.0	5.0														
31	.4	3.2	.1															31	31	1.0	6.0														
29	.4	3.9	.1															35	36	1.0	5.0														
27	1.1	1.5	.3	.1														23	23	1.0	3.6														
25		2.5																18	19	1.0	3.6														
23		1.1																8	8	1.0	1.5														
21	.4	.4																5	6	1.0	1.5														
19	.3	.1																5	5	1.0	1.5														
17	.1	.1																2	2	1.0	1.5														
15		.9																4	4	1.0	1.5														
13	.1	.1																2	2	1.0	1.5														
11																																			
9																																			
7																																			
5																																			
3																																			
1																																			
TOTAL		48.5	34.5	2.3	1.3													711	711		711														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	44225	55073	73.4	1.331	711							53
Dry Bulb	1089533	27277	39.4	7.739	711		19.8					93
Wet Bulb	949165	25531	35.9	6.974	711		26.3					93
Dew Point	771813	22837	32.1	7.345	711		46.3					93

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

GENERAL CLIMATOLOGY BRANCH  
 WASHINGTON  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN AAF DL      YEARS: 73-31      MONTH: JAN  
 PAGE 1      1970-0000  
 HOURS (L.S.Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 50			.6	.6														5	5																
/ 49			.4	.4	.2													3	3																
/ 48		.4	1.1															11	11	8	1														
/ 47		1.3	3.5	.4														22	22	11	6														
/ 46		1.1	1.9	.7														27	25	29	8														
/ 45		4.8	3.8	1.5														6	6	34	14														
/ 44		6.7	3.6															11	10	34	42														
/ 43	.7	7.4	2.2															10	10	49	43														
/ 42	.9	5.2	2.2															4	4	71	31														
/ 41	1.4	6.1	2.1															6	6	54	45														
/ 40	1.8	5.2	2.4															5	5	74	68														
/ 39	2.2	4.1																3	3	49	50														
/ 38	2.7	4.5	.2															2	2	71	53														
/ 37	3.1	4.3	.2															1	1	32	75														
/ 36	3.5	1.7																1	1	17	19														
/ 35	3.9	1.9	.2															1	1	13	14														
/ 34	4.3																	1	1	10	17														
/ 33	4.7	.2																1	1	7	14														
/ 32	5.1																	1	1	3	7														
/ 31	5.5																	1	1	4	7														
/ 30	5.9																	1	1	1	4														
/ 29	6.3																	1	1	1	4														
/ 28	6.7																	1	1	1	4														
/ 27	7.1																	1	1	1	4														
/ 26	7.5																	1	1	1	4														
/ 25	7.9																	1	1	1	4														
/ 24	8.3																	1	1	1	4														
/ 23	8.7																	1	1	1	4														
/ 22	9.1																	1	1	1	4														
/ 21	9.5																	1	1	1	4														
/ 20	9.9																	1	1	1	4														
/ 19	10.3																	1	1	1	4														
/ 18	10.7																	1	1	1	4														
/ 17	11.1																	1	1	1	4														
/ 16	11.5																	1	1	1	4														
/ 15	11.9																	1	1	1	4														
/ 14	12.3																	1	1	1	4														
/ 13	12.7																	1	1	1	4														
/ 12	13.1																	1	1	1	4														
/ 11	13.5																	1	1	1	4														
/ 10	13.9																	1	1	1	4														
/ 9	14.3																	1	1	1	4														
/ 8	14.7																	1	1	1	4														
/ 7	15.1																	1	1	1	4														
/ 6	15.5																	1	1	1	4														
/ 5	15.9																	1	1	1	4														
/ 4	16.3																	1	1	1	4														
/ 3	16.7																	1	1	1	4														
/ 2	17.1																	1	1	1	4														
/ 1	17.5																	1	1	1	4														
TOTAL	17.5	56.1	26.7	4.1	.7													577	537	537	537														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	333618	44328	8.3	9.17	537							93
Dry Bulb	76799	19721	36.7	8.258	537		2					93
Wet Bulb	67976	18673	34.8	7.489	537		31					93
Dew Point	57274	1755	31.8	7.607	537		48					93

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

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

STATION: SOLEMAN AAF DL STATION NAME: YEARS: MONTH: ALL HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
37																		2	2																
36																		16	16																
35																		22	22																
34			.1	.4	.7													46	46		17	17													
33		.2	.7	1.3	1.9													72	72		23	23													
32		.4	1.3	2.5	3.7													154	154		79	79													
31		.7	2.0	3.4	4.8													278	278		149	149													
30		1.1	2.9	4.6	6.1													344	344		180	180													
29		1.6	3.6	5.4	7.1													364	364		202	202													
28		2.1	4.4	6.5	8.4													372	372		203	203													
27		2.7	5.1	7.6	9.8													334	334		183	183													
26		3.4	6.1	8.6	10.7													272	272		147	147													
25		4.1	7.1	9.6	11.7													187	187		103	103													
24		4.9	8.1	10.6	12.7													113	113		61	61													
23		5.7	9.1	11.6	13.7													64	64		34	34													
22		6.6	10.1	12.6	14.7													39	39		21	21													
21		7.5	11.1	13.6	15.7													21	21		11	11													
20		8.4	12.1	14.6	16.7													11	11		6	6													
19		9.3	13.1	15.6	17.7													6	6		3	3													
18		10.2	14.1	16.6	18.7													3	3		1	1													
17		11.1	15.1	17.6	19.7													1	1		0	0													
16		12.0	16.1	18.6	20.7													0	0		0	0													
15		12.9	17.1	19.6	21.7													0	0		0	0													
14		13.8	18.1	20.6	22.7													0	0		0	0													
13		14.7	19.1	21.6	23.7													0	0		0	0													
12		15.6	20.1	22.6	24.7													0	0		0	0													
11		16.5	21.1	23.6	25.7													0	0		0	0													
10		17.4	22.1	24.6	26.7													0	0		0	0													
9		18.3	23.1	25.6	27.7													0	0		0	0													
8		19.2	24.1	26.6	28.7													0	0		0	0													
7		20.1	25.1	27.6	29.7													0	0		0	0													
6		21.0	26.1	28.6	30.7													0	0		0	0													
5		21.9	27.1	29.6	31.7													0	0		0	0													
4		22.8	28.1	30.6	32.7													0	0		0	0													
3		23.7	29.1	31.6	33.7													0	0		0	0													
2		24.6	30.1	32.6	34.7													0	0		0	0													
1		25.5	31.1	33.6	35.7													0	0		0	0													
TOTAL		17.1	3.525	5.3	4.5	.4												3414	3414		3414	3414													

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2333.437	233.53	8.0	17.31	3414	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	42535.26	124144	36.4	8.546	3414		253.1					744
Wet Bulb	42576.5	117515	34.5	7.764	3414		248.4					744
Dew Point	35939.2	107432	31.5	7.00	3414		384.4					744

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

ARMY AIR FORCE CLIMATOLOGY BRANCH  
 10 TAD  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1954 STATION COLEMAN AAF DL STATION NAME YEARS 73-51  
 PAGE 1 MONTH FEBRUARY 1954  
 HOURS 1,594

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																																			4	4			
/ 58																																			5	5			
/ 4																																							
/ 47																																							
/ 47																																							
/ 43																																							
/ 4																																							
/ 3																																							
/ 37																																							
/ 35																																							
/ 33																																							
/ 31																																							
/ 29																																							
/ 25																																							
/ 23																																							
/ 21																																							
/ 19																																							
/ 17																																							
/ 15																																							
/ 13																																							
TOTAL																																							

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Fel. Num.	434234	1637	66.9	6.864	594							
Dry Bulb	74757	27679	34.9	6.767	594		33.8					84
Wet Bulb	636417	19861	33.4	6.138	594		37.6					84
Dew Point	636417	18527	31.2	6.165	594		47.9					84

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



CENTRAL CLIMATOLOGY BRANCH  
 JOINT IAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

107246 COLEMAN AAF DL 73-51 FEB 1950  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 09 0-1100  
 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			
5 / 55																												1	1						
4 / 53																												3	3						
3 / 51			.3	.8	1.4																							15	19						
2 / 49			.1	.3	.5																							7	7						
1 / 47			1.1	1.1	.7																							7	7	15	17				
0 / 45			2.3	4.6	.4																							54	54	83	77				
47 / 43			3.9	1.9	.7																							45	46	67	17				
27 / 41		.7	5.0	3.3	.7	.4																						75	75	69	44				
17 / 39		1.1	6.4	3.7	1.1	.3																						67	67	61	76				
7 / 37		1.5	5.2	3.3	.7	.1																						79	79	61	55				
1 / 35		1.7	7.5	1.7	.7																							64	64	77	59				
3 / 33		1.2	5.7	2.7	.1																							72	72	111	79				
7 / 31		.7	5.7	.7																								64	64	72	55				
1 / 29		1.5	5.4	.5																								66	66	68	41				
7 / 27		1.5	4.9																									62	62	69	118				
1 / 25		.7	.4	.1																								6	6	19	67				
7 / 23		.4	.1																									4	4	5	57				
27 / 21		.3	.1																									3	3	4	16				
1 / 19		.1																										1	1	2	8				
7 / 17		.1																										1	1	1	4				
17 / 15		.1																										1	1	1	1				
1 / 13		.1																										1	1	1	5				
17 / 11		.1																										1	1	1	1				
17 / 9																															1	1			
TOTAL		17.2	54.5	24.6	6.1	1.5	.1																					736	736	776	736				

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. O.L.	Mean No. of Hours with Temperature						
Rel. Hum.	20554	4188	81.9	11.587	736	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	13394.9	7733	37.1	6.573	736		21.7					24
Wet Bulb	4237.9	7504	37.7	5.573	736		31.1					64
Dew Point	7679.5	7232	31.7	5.275	736		46.0					84

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

NATIONAL CLIMATOLOGY BRANCH  
WASH DC  
AF WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 120AF SOLEMAN AAF DL STATION NAME

73-31 YEARS

YEARS

FEB MONTH

PAGE 1 1973-1400  
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						
/ 61																													1	1							
/ 59																													1	1							
/ 57						.1	.4																					5	5								
/ 55					.7	.4																						7	7								
/ 53			.3	.4	.9	.9																						19	19								
/ 51			.5	1.1	2.6	.5	.7																					44	44								
/ 49		.1	.4	.9	.4																							16	16	12	4						
/ 47		.7	1.7	1.2	.3	.3	.1																					22	22	21	5						
/ 45		3.1	5.1	1.5	1.7	.5	.7																					22	22	24	13						
/ 43		2.0	4.0	2.6	.5	.1																						77	77	58	17						
/ 41	.5	3.4	3.9	3.7	.9																							111	111	65	59						
/ 39	.3	5.7	4.3	2.3	.5	.1																						28	28	78	65						
/ 37	1.1	3.1	4.7	1.1																								74	74	120	66						
/ 35	.3	2.7	4.3	.3																								63	63	86	75						
/ 33	.5	4.1	2.5	.1																								54	54	98	72						
/ 31	.3	1.2	.7																									15	15	83	62						
/ 29		1.6	1.1																									23	23	26	78						
/ 27	1.1	1.3																										19	19	25	96						
/ 25		.3																										2	2	9	62						
/ 23																												1	1	3	41						
/ 21																												1	1	1	15						
/ 19																															17						
/ 17																															6						
/ 15																															2						
/ 13																															2						
/ 11																															1						
/ 9	4.13	.137	.717	.8	6.7	3.2	.9																								743						
TOTAL																												743	743	743							

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						= 30 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1223627	30509	41.1	6.484	743		6.7					84
Wet Bulb	1767278	27267	37.5	5.598	743		16.3					84
Dew Point	811192	24743	32.4	6.736	743		42.1					84

GENERAL CLIMATOLOGY BRANCH  
 USAF SAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

1972 P COLEMAN AAF DL 73-81 YEARS FEB  
 STATION STATION NAME 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														
7/61						.1	.3											3	3																
7/59				.1	.7	.3	.1											7	7																
7/57					.3	.1												4	4																
5/55				.1	.1													5	5																
4/5			1.7	1.3	2.0	.1												42	42	1															
7/51		.3	.6	2.3	1.0	.4	.6											36	36	4															
7/49		.1	.6	1.7	.9	.1	.1											19	19	22															
7/47		1.0	2.5	2.3	.6													44	44	27	7														
7/4		1.3	5.0	1.6	1.9	1.5	.6											21	21	55	11														
7/43		1.8	4.4	3.1	.7	.1												69	69	47	11														
7/41	.4	3.5	7.8	2.3	.0													102	102	72	36														
7/39	.7	3.5	3.2	2.5														72	72	89	79														
7/37	.8	3.2	5.0	.9														71	71	122	66														
7/35		2.1	4.4	.7														49	49	71	68														
7/33	.6	3.1	2.7															39	39	101	53														
7/31		1.3	.4															12	12	50	63														
7/29		2.9	.1															21	21	31	67														
7/27	.7	.1																6	6	18	12														
7/25		.1																1	1	5	47														
7/23																				1	32														
7/21																					17														
7/19																					11														
7/17																					2														
7/15																					1														
7/13																					2														
7/11																					1														
7/9																					1														
TOTAL	2.2	24.5	33.7	19.5	9.5	3.1	1.0												683	683	683														
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	3535189	47975	70.2	14.883	683	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	84																							
Dry Bulb	1152795	78499	42.3	6.657	683		4.9					84																							
Wet Bulb	122857	26163	38.3	5.477	683		11.3					84																							
Dew Point	75890	22344	32.7	6.388	683		40.8					84																							

USAFETAC FORM 44-026-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

STATION 1072 AF STATION NAME COLEMAN AAF DL YEARS 70-81  
 MONTH FEB

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
7/59										.6																									5	7	
7/57										.2																									1	1	
7/55										.2																									2	2	
7/53				.4	.8	1.7																													11	11	
7/51				.4	.4					.7																									5	5	
7/49				.8	1.7	.4																													12	13	5
7/47	.4	.2	2.9	1.7	.6																														25	25	11
7/45	.2	2.1	3.5	1.1	.7	.2																													49	49	72
7/43		2.9	4.7	.5	.8	.8																													47	47	47
7/41	.6	6.9	5.1	1.7	.2																														76	76	55
7/39		6.9	4.7	1.9	.2	.7																													69	69	41
7/37	.4	4.4	7.7	.6																															65	55	62
7/35	.4	4.4	3.8	.2																															49	49	61
7/33	.6	4.6	3.4																																45	45	67
7/31	.4	5.1	.4																																73	33	64
7/29	.4	3.2	.8																																27	23	28
7/27	.8	.9																																	5	4	23
7/25																																					2
7/23																																					
7/21																																					
7/19																																					
7/17																																					
7/15																																					
7/13																																					
7/11																																					
TOTAL		4.4	41.3	33.8	51.0	3	3.2	2.3																											525	525	525

Element (X)	Σx'	Σx	$\bar{x}$	$\sigma_a$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3133374	4132	76.3	12.424	525	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	347272	23858	39.7	5.957	525		10.2					54
Wet Bulb	724199	19309	36.4	5.175	525		18.7					64
Dew Point	573362	17068	32.5	5.938	525		42.1					64

USAFETAC FORM 0-26-5 (OL A) REVISION 10/67 OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

USE WITH CARE  
 SEE FORM 104

1 7714 COLEMAN AAF DL 73-91 YEARS MONTH FEB

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																
/ 31							.1																										4	4			
/ 39						.1					.1																							11	11		
/ 45					.1					.2																								15	15		
/ 51		.1	.4			1.1																											79	79		1	
/ 57		.1	.4	1.1			.2																										109	109		8	
/ 47	.1	.7	1.8	1.7																													57	57		4	
/ 45	.1	.3	4.6	1.7																													133	133		16	
/ 43	.1	.3	4.6	1.7																													307	307		38	
/ 41	.5	4.3	4.2	1.4																													266	266		65	
/ 39	.6	5.7	3.2	1.6																													476	476		258	
/ 37	1.1	4.1	4.6	.7																													383	383		336	
/ 35	.5	4.3	3.4	.5																													343	343		291	
/ 33	1.1	4.6	3.4	.1																													327	327		231	
/ 31	.5	4.3	.4																														264	264		223	
/ 29	.9	4.3	.4																														141	141		245	
/ 27	.6	2.9	.4																														235	235		341	
/ 25	.3	.9	.4																														187	187		457	
/ 23	.4	.1																															28	28		276	
/ 21	.3	.1																															15	15		191	
/ 19	.3	.1																															17	17		87	
/ 17	.1																																5	5		49	
/ 15		.1																															2	2		15	
/ 13	.1																																1	1		2	
/ 11	.1																																2	2		9	
/ 9																																	1	1		7	
TOTAL	9.4	42.7	33.9	11.1	4.4	1.9	.6																											3281		3281	
																																			3281		3281

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	27243439	253678	77.3	13.856	3281	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	5170360	178174	39.1	7.053	3281		121.3					672
Wet Bulb	4424259	118897	36.2	5.938	3281		187.9					672
Dew Point	3511713	175301	32.1	6.348	3281		350.0					672

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

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

# PSYCHROMETRIC SUMMARY

STATION: 17045 COLEMAN AAF DL STATION NAME: 73-81 YEARS: \_\_\_\_\_  
 MONTH: \_\_\_\_\_

PAGE: 1 MONTH: 06-1969  
 HOURS: 115.7

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														
7/ 61			.1		.1													2	2																
7/ 59			.1		.7													2	2																
7/ 57		.1		.6	.3													6	6																
7/ 55		.1	1.6	1.5	.4													29	29	2	1														
7/ 53		.3	1.5	.9														15	15	6	7														
7/ 51		1.2	2.1	.1														27	27	2	4														
7/ 49		1.2	.4	.1														17	17	7	2														
7/ 47		2.4	1.6	.7	.3													35	35	75	19														
7/ 45	.7	4.9	4.6	1.2	.1													73	73	41	53														
7/ 43	.4	6.1	3.1	.3	.4													70	70	63	36														
7/ 41	1.2	6.1	1.9	.3														44	64	68	67														
7/ 39	1.5	7.7	1.5															69	69	43	63														
7/ 37	1.6	6.2	1.6	.1														68	69	77	62														
7/ 35	1.2	5.5	1.6															56	56	73	69														
7/ 33	1.9	3.5	1.3	.1														47	47	64	75														
7/ 31	.9	1.6	.6															21	21	41	39														
7/ 29	.1	5.3	.1															33	33	39	43														
7/ 27	.3	1.5	.4															17	17	20	62														
7/ 25	.6	.1	.4															8	0	13	14														
7/ 23		.5	.1															5	5	4	23														
7/ 21	.6	.9																10	10	0	4														
7/ 19																				0	12														
7/ 17																					3														
7/ 15																					3														
7/ 13																					4														
7/ 11																					1														
7/ 9																					1														
TOTAL	11.2	55.9	25.7	5.1	1.9													676	676	676	676														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	476348	56778	83.31	7.62	676	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1147788	27356	40.5	7.79	676		13.6					93
Wet Bulb	1031123	25956	38.4	7.150	676		18.2					93
Dew Point	895985	2459	3.6	7.671	676		29.4					93

USAFETAC FORM 44 0-26-5 (OL A) REVISION 10/68 OF THIS FORM USE DISCETTE

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN AAF DL STATION NAME: 73-81 YEARS: \_\_\_\_\_  
 MONTH: \_\_\_\_\_  
 PAGE: 1 OF 1  
 HOURS (L.S.T.): \_\_\_\_\_

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/57					.1													1	1																
47/55					.1	.1												5	5																
47/53					.1	.1												6	6																
47/51				.4	.9	.7	.1											12	12	1															
47/49				.2	1.6	1.5	1.0	.2										73	38	9															
47/47				.7	2.2	1.6	1.7	.1										44	44	1															
47/45				1.5	1.6	1.5	.6											44	44	7	7														
47/43				1.0	1.7	1.7	.1											38	39	43	12														
47/41	.1	1.3	3.9	1.9	.4													62	62	47	47														
47/39	.1	2.6	5.1	3.3	.7													122	122	91	45														
47/37	.2	4.1	4.6	2.8	.4	.2												101	101	85	32														
47/35	.5	3.6	3.9	2.9	.2													92	92	170	91														
47/33	.2	5.7	3.3	.9	.2													87	87	85	106														
47/31	.1	2.3	3.9	.9														46	66	115	87														
47/29	.7	1.7	2.7		.5													46	46	65	93														
47/27	.6	.7	1.2	.6														74	74	62	74														
47/25	.7	.2	.1	.1	.1													7	7	18	35														
47/23	.2	.2	.5	.2														9	8	9	63														
47/21	.1	.1	.1															2	2	14	59														
47/19	.1	.1																2	2	7	21														
47/17	.2																	2	2	4	20														
47/15																					9	9													
47/13																					6	6													
47/11																					1	1													
47/9																					1	1													
47/7																					1	1													
47/5																					1	1													
TOTAL	7.4	26.14	52.1	6.6	1.9	.1												823	823	823	823														

Element (K)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4618832	67336	73.8	12.892	823	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1667584	36593	44.5	7.031	823		2.4					93
Wet Bulb	1439279	33646	42.9	6.408	823		8.1					93
Dew Point	1128612	29827	36.2	7.652	823		26.1					93

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC AIR 34

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1772-6 STATION COLEMAN AAF DL

73-81

MAC

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 59							.4											3	3		
2 / 67					.1	.5		.1										5	6		
3 / 65					.5	.2		.2										10	17		
4 / 63				.1	.7	1.1	.2	.1										19	19		
5 / 61		.1		.6	1.6	.4	.2	.2										30	30		
6 / 59				1.7	1.3	2.2	.2	.2										49	49	9	1
7 / 57		.4	.6	1.7	.3	1.3												42	42	13	
8 / 55		.1	1.0	2.2	3.1	.5												56	56	35	1
9 / 53		.4	1.1	2.1	2.4	.6	.4											57	57	31	17
10 / 51			1.5	3.5	1.9	.5		.1										62	62	51	20
11 / 49		.2	1.2	2.3	.7	.2		.1										47	47	67	21
12 / 47		.2	4.2	3.6	2.3	.6	.2	.4										96	96	80	5
13 / 45		2.9	5.9	4.6	2.9	.8	.2											142	142	96	39
14 / 43		1.6	2.7	4.4	.2	.2	.1											76	76	93	29
15 / 41	.2	1.7	2.2	1.3	.7	1.0												59	59	85	109
16 / 39	.1	2.5	1.7	.1	1.1	.2												47	47	178	97
17 / 37		.5	.5	.4	.4													14	14	97	78
18 / 35	.1		1.2		.2													13	13	32	108
19 / 33			.1	.2														3	3	16	59
20 / 31																				28	35
21 / 29																				6	57
22 / 27																				4	51
23 / 25																					17
24 / 23																					14
25 / 21																					4
26 / 19																					11
27 / 17																					9
28 / 15																					3
29 / 13																					8
30 / 11																					5
31 / 9																					1
32 / 7																					3
33 / 5																					2
34 / 3																					1
Element (X)	ΣX'	ΣX	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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



DEPT. OF CLIMATOLOGY BRANCH  
 AFM/TETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1955 COLEMAN AAF DL 70-81  
 STATION STATION NAME YEARS  
 PAGE 1 1-10-1400  
 MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	10.6	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	824	824	824	824														
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	34.632	516.24	67.614	5.63	824	≥ 0 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	93																							
Dry Bulb	257358	42732	49.4	7.319	824	1.0						93																							
Wet Bulb	1603171	35967	43.6	6.348	824	4.3						93																							
Dew Point	1155625	30761	36.9	8.463	824	24.4						93																							

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

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 72 85 COLEMAN AAF DL

72-31

STATION STATION NAME

YEARS

MAD MONTH

1-1-17  
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																		
71						.7	.6			.5																													
69							1.7				.7	.5																											
65					.1	.4	.4	.7	.4			.7	.1																										
61				.4	1.0	1.4	.1	1.0	.1																														
59				.7	1.0	1.2	.5	.7																															
57		.4	.3	1.2	1.3	1.6	.8	.7																															
55	.1		.5	1.6	2.3	1.7	.8	.1																															
53		.1	1.3	1.7	2.7	1.6	.8	.1																															
51			.1	1.0	3.0	1.4	.9	1.3	.1																														
49			.1	1.3	1.7	.8	.7																																
47		1.4	1.6	3.1	2.1	.4	.7	.1																															
45		3.7	5.1	3.5	3.4	.1	.7	.4																															
43		1.7	1.6	3.7	.8	1.2																																	
41	.1	1.6	1.3	.9	.8	.9	.7																																
39		1.8	1.6	.1	.7																																		
37	.7	.3	.5	.8																																			
35		.1	.3	.7																																			
33		.4	.1																																				
31																																							
29																																							
27																																							
25																																							
23																																							
21																																							
19																																							
17																																							
15																																							
13																																							
11																																							
9																																							
7																																							
5																																							
3																																							
1																																							

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma^2$	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 54-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





AD-A134 210

COLEMAN AAF GERMANY (WEST) LIMITED SURFACE OBSERVATIONS

3/3

CLIMATIC SUMMARY (..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 10 AUG 83

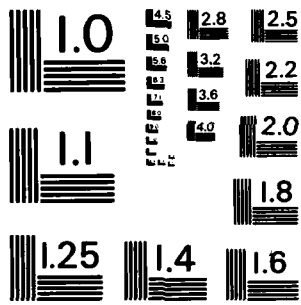
UNCLASSIFIED

USAFETAC/DS-83/033 SBI-AD-E850 428

F/G 4/2

NL

END
DATE
FILED
1283
DT



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

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1 77 17 COLEMAN AAF DL STATION NAME

73-81 YEARS

MONTH

PAGE 1

MAP

MONTH

ALL HOURS (L.S., T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 71																		1	1																
7 / 69																		14	14																
7 / 67																		30	30																
7 / 65																		31	31																
7 / 63																		72	72																
7 / 61																		93	93																
7 / 59																		131	131	23	1														
7 / 57																		144	144	35															
7 / 55																		198	198	79	7														
7 / 53																		217	217	170	40														
7 / 51																		231	231	177	63														
7 / 49																		157	157	225	59														
7 / 47																		334	334	291	164														
7 / 45																		567	567	398	223														
7 / 43																		376	376	394	176														
7 / 41																		217	217	402	417														
7 / 39																		282	282	417	430														
7 / 37																		182	182	392	348														
7 / 35																		141	141	265	398														
7 / 33																		65	65	166	313														
7 / 31																		31	31	143	189														
7 / 29																		47	47	73	238														
7 / 27																		19	19	48	253														
7 / 25																		15	15	21	91														
7 / 23																		7	7	9	32														
7 / 21																		10	10	9	33														
7 / 19																				6	51														
7 / 17																					40														
7 / 15																					15														
7 / 13																					29														
7 / 11																					16														
7 / 9																					6														
7 / 7																					4														
7 / 5																					6														
Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

WORLD LOCATION  
 AIR FORCE PAGE

1972-73 STATION COLEMAN AAF DL STATION NAME YEARS 73-81  
 MONTH MAD  
 PAGE ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
7																																					7	
1																																						1
3																																						3
TOTAL	1.423	5.27	8.21	11.13	5.6	8.3	2.4	1.2	.3	.7																									3699	3699		3699

Element (X)	$\sum X'$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	17612736	252236	69.3	16.371	3699	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	9296801	172455	46.6	8.330	3699		24.9	4.3				744
Wet Bulb	6701613	155355	42.1	6.915	3699		61.9					744
Dew Point	5095055	13819	36.2	8.286	3699	.6	213.2					744

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



FEDERAL BUREAU OF SURVEY  
 CLIMATE DIVISION  
 WASHINGTON, D. C. 20548

# PSYCHROMETRIC SUMMARY

1 72 45 STATION COLEMAN AAF DL STATION NAME 73-81 YEARS APR MONTH

PAGE 1 5600-3803 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																	
99																																		3	3		
57			.3		.5																													5	8		
55			.6	.8	.9	.7																												17	17	2	
53			.9	1.7	1.9	.7																												37	30	5	
51			1.4	3.1	.6	.6	.2																											41	41	19	
49		.7	2.3	1.7	1.9	.7																												43	43	49	
47		.7	3.7	3.2	2.0	.7																												61	61	46	
45		.8	3.3	2.2	1.2	.2																												75	75	52	
43		.3	3.5	4.2	2.8																													77	77	56	
41		.3	5.3	6.7	1.7	.7																												68	68	79	
39		.3	7.3	4.5	.7	.5																												63	63	63	
37		1.4	4.5	4.2	.7																													67	67	96	
35		.8	1.7	1.9																														28	28	76	
33		.1	2.2	.8	.2																													22	22	63	
31			.5																															4	4	42	
29			.2																															7	7	8	
27			.4																															1	1	3	
25																																					1
23																																					
21																																					
19																																					
17																																					
TOTAL		4.5	39.1	38.4	14.3	2.6	.6	.4																											645	645	645

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	396.143	49945	77.4	11.997	645	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1251554	23134	43.6	6.156	645		1.7					97
Wet Bulb	1044232	26192	40.6	5.667	645		5.4					90
Dew Point	898135	23673	36.7	6.578	645		24.1					97

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

FEDERAL BUREAU OF METEOROLOGY  
 WASHINGTON, D. C.  
 WEATHER SERVICE/AMC

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN AAF DL STATION NAME: 70-81 YEARS: 1950  
 MONTH: 11 PAGES: 1 HOURS (L. S. T.): 2900-11-5

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														
7/69																		2	2																
7/67																		2	2																
7/65																		7	7																
4/62																		32	32																
7/61																		36	36																
7/59																		37	37																
7/57																		48	48																
5/55																		61	61	14	4														
7/51																		71	71	45	8														
7/51																		69	69	58	14														
7/49																		46	46	79	11														
7/47																		64	64	76	43														
4/45																		122	122	85	65														
4/43																		64	64	67	42														
7/41																		71	71	99	74														
7/39																		75	75	104	82														
7/37																		12	12	20	75														
7/35																		4	4	33	97														
7/33																				17	85														
7/31																					62														
7/29																					39														
7/27																					57														
7/25																					9														
7/23																					6														
2/21																					6														
7/19																					3														
7/17																					1														
7/15																					1														
7/13																					1														
7/11																					1														
7/9																					1														
TOTAL																		781	781	781	781														

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	7344729	49817	67.914	6.636	781	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1497169	39155	50.1	7.866	781			5				90
Wet Bulb	1558639	34633	44.3	5.727	781							90
Dew Point	1139713	29321	37.6	7.000	781		20.7					90

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

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: **190005 CYLEMAN AAF DL** STATION NAME: **CYLEMAN AAF DL** YEARS: **73-81** MONTH: **APP**  
 PAGE: **1200-1400** HOURS: **10.5.10**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
77										.1																				5	5					
76								.1		.1																				7	7					
75								.3	.1	.6																			21	21						
74								.3	.6	1.0																			24	24						
73								.5	.5	.4																			19	19						
72								.5	2.3	.9																			36	36						
71					.1			2.9	2.5	1.8																			69	69	1					
70					.9	1.3		1.7	1.1	.5																			42	42	10	1				
69			.1		.8	.6		2.2	1.6	1.7																			54	54	8	3				
68		.1	.5		1.4	2.3		.8	.8	.1																			55	55	25	3				
67		.1	.6		.9	1.8		1.7	1.0	.1																			48	48	49	4				
66		.5	.8		1.8	2.0		2.3	.3	.4																			67	67	79	7				
65			1.7		1.5	2.7		2.3	.9	.1																			69	69	60	11				
64			1.7		2.7	2.2		1.7	.7																				51	51	69	19				
63		.5	1.5		3.2	2.0		.6	.1																				63	63	77	25				
62	.1	.4	3.7		2.2	3.6		.5																					82	82	83	72				
61		.4	2.7		2.2	.4																							39	39	96	47				
60		1.5	1.3		.3																								22	22	96	69				
59																													4	4	81	94				
58	.4	.3	.1																										6	6	38	93				
57																															9	73				
56																															2	65				
55																																56				
54																																38				
53																																55				
52																																22				
51																																8				
50																																6				
49																																4				
TOTAL		.4	4.3	3.3	16.0	20.2	18.5	13.7	7.8	3.6	1.5	1.3																	783	783	783					

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2463254	4219	53.9	15.585	783	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2433213	43151	55.1	8.399	783			1.4				95
Wet Bulb	1743798	36648	46.8	6.336	783							95
Dew Point	1145379	29401	37.6	7.319	783		22.2					90

USAFETAC FORM 34 JAN 64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 72<sup>RD</sup> COLEMAN AAF DL 73-81 YEARS APP MONTH  
STATION STATION NAME HOURS (L. S. T.)  
PAGE 1 1570-1700

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 / 77																																		3	3		
7 / 75																																					
7 / 71																																					
7 / 69																																					
6 / 67																																					
6 / 63																																					
6 / 61																																					
6 / 59																																					
6 / 57																																					
6 / 55																																					
6 / 53																																					
6 / 51																																					
6 / 47																																					
6 / 45																																					
6 / 43																																					
6 / 41																																					
6 / 37																																					
6 / 35																																					
6 / 33																																					
6 / 31																																					
6 / 27																																					
6 / 25																																					
6 / 23																																					
6 / 21																																					
6 / 19																																					
6 / 17																																					
6 / 15																																					
6 / 13																																					
6 / 11																																					
Element (X)	Σ X'	Σ X	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1972-5      COLEMAN AAF DL      73-81      APP 1500-1700  
STATION      STATION NAME      YEARS      MONTH      HOURS (L. S. T.)  
PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						Total										
TOTAL	0	4.4	11.0	13.0	14.0	19.7	11.5	12.2	5.1	3.8	1.2	1.0																				731	731	731	731		
																		731				731															

Element (X)	Z <sub>T</sub>	Z <sub>H</sub>	X	W <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	2156254	77534	51.5	7.7	731			10.5	4.1			731
Dry Bulb	2347763	41253	56.4	9.4	731							731
Wet Bulb	1666374	34853	47.8	6.2	731							731
Dew Point	1058233	77203	37.2	7.9	731		24.1					731

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

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 7285 COLEMAN AAF DL 73-81 1973  
 STATION STATION NAME YEARS MONTH

PAGE 1 1870-2000  
 HOURS (L.S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
7 / 77																																		1	1		
7 / 75																																		1	1		
7 / 73																																		4	4		
7 / 69																																		17	17		
7 / 67																																		12	12		
6 / 65																																		17	17		
6 / 63																																		25	25		
6 / 61																																		34	34	1	
6 / 59																																		71	31	1	
6 / 57																																		44	44	6	
6 / 55																																		79	39	16	1
5 / 53																																		48	48	27	3
5 / 51																																		39	39	57	9
5 / 49																																		25	25	62	10
5 / 47																																		34	34	66	13
4 / 45																																		58	58	34	22
4 / 43																																		82	82	55	38
4 / 41																																		72	32	52	47
4 / 39																																		39	39	71	77
4 / 37																																		13	13	94	77
4 / 35																																		3	3	40	57
4 / 33																																		1	1	14	67
4 / 31																																				3	44
4 / 29																																					49
4 / 27																																				34	
4 / 25																																				17	
4 / 23																																				7	
4 / 21																																				6	
4 / 19																																				7	
4 / 17																																				2	
4 / 15																																				3	
TOTAL																																			595	585	585
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	Y	W	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Num.	2120501	33699	57.6	17.525	585	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb	1699760	71139	53.2	8.533	585			5.8	.9			90																									
Wet Bulb	1248844	26792	45.8	6.112	585							90																									
Dew Point	848829	21841	37.3	7.561	585		22.8					90																									

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

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1 7285 COLEMAN AAF DL 73-81 YEARS  
STATION STATION NAME MONTH  
PAGE 1 ALL  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 77																	.1															4	4		
8 / 73																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	16	16		
9 / 71																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	31	31	
10 / 69																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	55	68	
11 / 67																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	63	63	
12 / 65																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	52	52	
13 / 63																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	178	178	5
14 / 61																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	149	149	2
15 / 59																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	193	193	4
16 / 57																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	277	277	5
17 / 55																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	213	213	18
18 / 53																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	259	259	38
19 / 51																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	274	274	55
20 / 49																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	226	226	66
21 / 47																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	292	292	141
22 / 45																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	427	427	281
23 / 43																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	226	226	213
24 / 41																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	244	244	342
25 / 39																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	135	135	397
26 / 37																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	91	91	378
27 / 35																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	36	36	396
28 / 33																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	22	22	299
29 / 31																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4	4	220
30 / 29																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7	7	230
31 / 27																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1	1	235
32 / 25																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1	1	63
33 / 23																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		41	
34 / 21																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		29	
35 / 19																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		26	
36 / 17																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		16	
37 / 15																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		3	
38 / 13																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		4	
39 / 11																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		1	
Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

107295      COLEMAN AAF CL      73-81      PAGE 1

ALL MONTHS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL 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																			
TOTAL	1.7	13.1	21.1	17.7	15.3	13.1	7.1	5.6	2.4	1.4	.7																						3525	3525	3525	2

Element (X)	$\Sigma X^1$	$\Sigma X$	$X$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																										
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F																									
Rel. Hum.	14 44981	213285	67.5	17.985	3525																																
Dry Bulb	9768771	142773	51.9	9.101	3525	2.5	47.8	10.4																													720
Wet Bulb	7301932	158838	45.1	6.456	3525	8.0																														720	
Dew Point	5090131	131459	37.3	7.296	3525	181.8																														720	

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



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

# PSYCHROMETRIC SUMMARY

1 72 6 STATION COLEMAN AAF DL STATION NAME

73-61 YEARS

MAY 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														
71																		2	2																
67																		3	3																
65																		5	5	3															
63																		27	27	2															
61																		28	28	4	4														
59																		58	58	8	7														
57																		71	71	13	9														
55																		73	73	53	19														
53																		80	89	84	43														
51																		79	79	72	62														
49																		43	43	110	47														
47																		67	67	78	78														
45																		59	59	86	112														
43																		23	23	39	67														
41																		27	27	29	75														
39																		6	6	39	57														
37																		6	6	14	34														
35																		1	1	6	27														
33																				3	27														
31																					18														
29																					7														
27																					5														
TOTAL	7.6	18.1	32.1	23.8	9.7	2.6	1.1											663	663	663	663														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3244254	5458	76.1	12.543	667	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1868727	34963	52.7	6.141	663			7				93
Wet Bulb	1605458	32417	48.9	5.557	663							93
Dew Point	1376390	29894	45.1	6.561	663		3.2					93

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

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN AAF DL STATION NAME: YEARS: 73-81 MONTH: MAY  
 PAGE: 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. Dry Bulb	Wet Bulb	Dew Point															
7/74																		4	4																
7/77								.1	.1	.1								5	5																
7/75								.4	.7	.4	.1							15	15																
7/72								.4	.6	.2	.7							16	16																
7/71								.1	.5	1.2	.9	.4						24	24																
7/69						.1	.4	1.4	1.4	.6								25	25																
7/67					.2	.4	1.1	1.2	.5	.1								25	24																
6/65					.7	.7	1.7	1.9	.6	.1	.1							42	42																
4/63			.7	.7	2.6	4.2	1.4	1.5	.1									179	179																
7/61		.5	1.7	1.7	3.4	3.4	1.5	.6	.1									94	94	24	3														
7/59		.5	.7	2.9	2.6	2.7	1.7	.2										84	84	61	11														
7/57	.1	1.1	1.4	2.4	1.6	1.7	.5	.2										74	74	55	21														
5/55		1.4	.9	3.6	1.6	1.1	.1											73	70	92	34														
4/53	.1	1.5	3.4	2.4	1.2	.9	.4											79	79	113	57														
7/51	.4	.9	1.9	.7	.6	.2												78	83	93	75														
5/49	.6	.5	.4	.5	.1													17	17	115	59														
7/47	.2	.9	.1	.9	.5													71	71	71	94														
7/45		.5	1.4	1.7	.1													25	25	40	115														
4/43		.5	.6	.1														17	17	26	81														
7/41		.5	.4															9	9	77	71														
7/39	.2	.1																3	3	15	57														
7/37																				4	38														
7/35																				1	31														
3/33																					28														
7/31																					14														
7/29																					9														
7/27																					9														
TOTAL	7.5	5.5	13.4	19.8	13.1	11.8	5.7	2.1	.4	.4								673	673	673	93														

Element (X)	ΣX'	ΣX	X	ΣX	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2271253	47647	61.8	15.869	803	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2895594	47633	59.6	7.6.5	803			16.0	4.0	.7		93
Wet Bulb	22225.5	47698	57.8	5.710	803			.5				93
Dew Point	1725972	46586	45.8	6.969	803		3.7					93

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







FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 1 22 AF 0 LEMAN AAF DL STATION NAME: 73-81 YEARS: MAY MONTH: 1970-1970  
PAGE: 1 HOURS (L. S. Y.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22-23	24-25	26-27	28-29	30	= 31	D.B. Wet Bulb	Dry Bulb	Wet Bulb	Dew Point													
89																			2	2															
87																			3	3															
85																			2	2															
82																			3	3															
81																			11	11															
77																			8	8															
77																			13	13															
75																			15	15															
73																			13	13															
71																			21	21	2														
69																			41	41	3														
67																			27	27	3														
65																			51	51	11														
63																			50	50	10	3													
61																			45	46	9	4													
59																			60	60	51	9													
57																			44	44	63	9													
55																			42	42	71	34													
53																			37	37	95	28													
51																			23	23	78	56													
49																			13	13	56	43													
47																			9	9	55	58													
45																			12	12	56	65													
43																			1	1	11	53													
41																			4	4	13	67													
39																					9	43													
37																			1	1	1	27													
35																						27													
33																						13													
31																						12													
29																						7													
27																						14													
25																						3													
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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









CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 73-31 STATION NAME: SOLEMAN AAF DL YEARS: \_\_\_\_\_  
 MONTH: \_\_\_\_\_  
 PAGE: \_\_\_\_\_ HOURS (L.S.T.): 000-000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
75																		7	7																
73																		7	7																
71																		8	5																
69																		28	28																
67																		19	19																
65																		44	44																
63																		123	123																
61																		85	85																
59																		76	76																
57																		61	61																
55																		72	72																
53																		44	44																
51																		42	42																
49																		12	12																
47																		10	29																
45																		5	5																
43																		3	3																
41																		1	1																
39																																			
37																																			
35																																			
33																																			
TOTAL																			651	651															

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3896194	4992	76.5	11.337	651	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2340418	3384	59.7	5.967	651			0.7	1.4			90
Wet Bulb	2020536	36104	55.5	5.304	651			0.3				90
Dew Point	1786755	33877	52.0	6.057	651			0.1				90

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

1 7225 COLEMAN AAF DL

73-81

YEARS

JUN  
MONTH

PAGE 1 1900-1100  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 84																		1	1																
/ 83																		1	1																
/ 82																		4	4																
/ 81																		5	5																
/ 80																		15	15																
/ 79																		14	14																
/ 78																		75	35																
/ 77																		42	42																
/ 76																		49	49																
/ 75																		56	56	4															
/ 74																		69	59	9															
/ 73																		42	42	26															
/ 72																		77	77	54	5														
/ 71																		122	122	93	33														
/ 70																		65	65	125	33														
/ 69																		45	45	126	34														
/ 68																		49	49	56	77														
/ 67																		49	48	90	98														
/ 66																		25	25	78	112														
/ 65																		12	12	55	73														
/ 64																		1	1	53	48														
/ 63																				15	63														
/ 62																				11	56														
/ 61																				4	24														
/ 60																					14														
/ 59																					15														
/ 58																					8														
/ 57																					8														
/ 56																					6														
/ 55																					7														
/ 54																					7														
/ 53																					7														
/ 52																					7														
/ 51																					7														
/ 50																					7														
/ 49																					7														
/ 48																					7														
/ 47																					7														
/ 46																					7														
/ 45																					7														
/ 44																					7														
/ 43																					7														
/ 42																					7														
/ 41																					7														
/ 40																					7														
/ 39																					7														
/ 38																					7														
/ 37																					7														
/ 36																					7														
/ 35																					7														
/ 34																					7														
/ 33																					7														
/ 32																					7														
/ 31																					7														
/ 30																					7														
/ 29																					7														
/ 28																					7														
/ 27																					7														
/ 26																					7														
/ 25																					7														
/ 24																					7														
/ 23																					7														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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





SIGNAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

1 73-5 STATION COLEMAN AAF DL STATION NAME 73-31 YEARS JUN 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																	
7																																						
75																																						
TOTAL	.1	3.2	6.9	12.7	11.5	16.3	15.3	14.4	8.8	4.7	2.4	1.2	.9	.8	.6	.3																						

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						Total
El. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2428564	41798	53.2	16.095	785			55.1	36.8	16.1	.3	90
Wet Bulb	394968	55182	70.3	8.887	785			10.9	.3			90
Dew Point	2873617	46697	59.5	5.924	785							90
	2098236	40170	51.2	7.378	785			1.3	.3			90

FORM 8-64 0-26-5 (O. L. A.) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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

# PSYCHROMETRIC SUMMARY

1972 FEB COLEMAN AAF DL

73-31

YEAR MONTH

STATION STATION NAME

YEARS

PAGE 1 1973-170  
 HOURS 115.7

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																					
67/66																																				5	9						
67/65																																					3	7					
67/64																																					11	11					
67/63																																					5	5					
67/62																																						17	17				
67/61																																						17	17				
67/60																																						25	25				
67/59																																						56	56				
67/58																																						43	43				
67/57																																						40	40				
67/56																																						69	69				
67/55																																						64	64		1		
67/54																																							67	67		15	
67/53																																							57	57		1	
67/52																																							77	77		1	
67/51																																							77	77		5	
67/50																																							77	77		1	
67/49																																							92	92		8	
67/48																																							67	67		22	
67/47																																							74	74		46	
67/46																																							34	34		45	
67/45																																							48	48		45	
67/44																																							19	19		53	
67/43																																							9	9		55	
67/42																																							78	78		55	
67/41																																							9	9		69	
67/40																																							57	57		69	
67/39																																							7	7		67	
67/38																																							21	21		57	
67/37																																							14	14		60	
67/36																																							5	5		56	
67/35																																								25	25		35
67/34																																								24	24		34
67/33																																								1	1		1
67/32																																								1	1		1
67/31																																								4	4		1
67/30																																								2	2		2
Element (X)	ΣX'	ΣX	X̄	S <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																															
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																
Dry Bulb																																											
Wet Bulb																																											
Dew Point																																											

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

U.S. AIR FORCE METEOROLOGICAL BRANCH  
 WET BULB TEMPERATURE DEPRESSION  
 AIR FORCE P. SERVING/MAC

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN AAF DL  
 STATION NAME: COLEMAN AAF DL

72-51

YEARS

MONTH

PAGE 1  
 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																							
72																																													
73																																													
74																																													
75																																													
76																																													
77																																													
78																																													
79																																													
80																																													
81																																													
82																																													
83																																													
84																																													
85																																													
86																																													
87																																													
88																																													
89																																													
90																																													
91																																													
92																																													
93																																													
94																																													
95																																													
96																																													
97																																													
98																																													
99																																													
100																																													

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	21124.4	741.7	51.2	16.465	731	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	357671.2	42734	71.6	9.166	731			59.1	40.8	19.6	1.4	90
Wet Bulb	264726.1	43216	59.2	5.625	731			11.2	.1			90
Dew Point	194778.4	37344	51.1	7.404	731		2.1	.2				90

USAFETAC FORM 10-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CENTRAL CLIMATOLOGY BRANCH  
METAC  
ATTN: WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION CULMAN AAF CL  
STATION NAME

73-81  
YEARS

YEARS

JUN  
MONTH

PAGE 1 1873-0007  
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																
61																		2														7	7		
62																			2													7	7		
63																			2													7	7		
64																			2													7	7		
65																			2													7	7		
66																			2													7	7		
67																			2													7	7		
68																			2													7	7		
69																			2													7	7		
70																			2													7	7		
71																			2													7	7		
72																			2													7	7		
73																			2													7	7		
74																			2													7	7		
75																			2													7	7		
76																			2													7	7		
77																			2													7	7		
78																			2													7	7		
79																			2													7	7		
80																			2													7	7		
81																			2													7	7		
82																			2													7	7		
83																			2													7	7		
84																			2													7	7		
85																			2													7	7		
86																			2													7	7		
87																			2													7	7		
88																			2													7	7		
89																			2													7	7		
90																			2													7	7		
91																			2													7	7		
92																			2													7	7		
93																			2													7	7		
94																			2													7	7		
95																			2													7	7		
96																			2													7	7		
97																			2													7	7		
98																			2													7	7		
99																			2													7	7		
100																			2													7	7		

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

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



GLOBAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE IN SUMMARY  
 SECTION

STATION: WHEELMAN AAF 01 STATION NAME: 73-81 YEARS: \_\_\_\_\_ MONTH: JUN  
 PAGE: \_\_\_\_\_ ALL MONTHS: \_\_\_\_\_ 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														
7 / 75															.1	.1	.1	.1	17	17															
7 / 72															.1	.1	.1	.1	15	15															
7 / 70															.4	.1	.1	.1	17	17															
7 / 69															.2	.1	.1	.1	17	17															
7 / 67															.2	.1	.2	.7	26	26															
7 / 65															.3	.6	.7	.7	32	32															
7 / 63					.1			.1	.1	.4	.3	.6	.7					171	161																
7 / 62					.3		.2	.5	1.1	1.5	.7	.4	.2	.7				121	123																
7 / 61					.4		.3	1.2	1.1	1.2	.8	.3	.2	.1	.7			154	154																
7 / 60					.6		.4	1.3	1.2	1.2	.5	.4	.7	.1				187	187																
7 / 59					.6		.4	1.3	1.2	1.2	.5	.4	.7	.1				217	217		3														
7 / 58					.6		.4	1.3	1.2	1.2	.5	.4	.7	.1				224	223	79	1														
7 / 57		.1			.6		.4	1.3	1.2	1.2	.5	.4	.7	.1				252	252	76	2														
7 / 56		.1			.6		.4	1.3	1.2	1.2	.5	.4	.7	.1				177	177	158	2														
7 / 55		.1			.6		.4	1.3	1.2	1.2	.5	.4	.7	.1				277	277	273	27														
7 / 54		.1	1.2		.6		.4	1.3	1.2	1.2	.5	.4	.7	.1				517	517	373	111														
7 / 53		.1	1.2	1.7	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				282	282	473	172														
7 / 52		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				225	225	424	252														
7 / 51		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				187	187	471	318														
7 / 50		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				171	171	354	445														
7 / 49		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				109	109	326	443														
7 / 48		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				64	64	275	739														
7 / 47		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				15	15	124	233														
7 / 46		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				22	23	62	77														
7 / 45		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				5	5	12	379														
7 / 44		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				3	3	14	156														
7 / 43		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1				1	1	7	143														
7 / 42		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1						1	75														
7 / 41		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1							1	29													
7 / 40		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1								14													
7 / 39		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1								26													
7 / 38		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1								14													
7 / 37		.1	.7	1.4	1.5		.4	1.3	1.2	1.2	.5	.4	.7	.1								9													

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

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/NAC

# PSYCHROMETRIC SUMMARY

1972 F. U. LEMAN AAF JL

72-81

STATION STATION NAME

YEARS

PAGE

MONTH ALL  
 HOURS ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
72.5	.3	.113	.017	.517	.413	.511	.7	0.3	5.5	7.4	2.3	1.4	.7	.4	.7	.0	.1	75.77	75.77	75.77	75.77												

Element (K)	Zg'	Zx	K	Ca	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	171340	31178	59.1	737	353	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	17364113	2794	67.4	6.124	353			342.2	208.4	87.4	7.1	725
Wet Bulb	1715837	27691	58.4	5.764	353			54.4	.8			725
Dew Point	0559361	12257	51.5	6.991	353		9.2	1.0				725

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

UNSC-74L

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

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN AAF DL STATION NAME: 73-61

YEARS: \_\_\_\_\_ DATE: 1960-1961  
 MONTH: \_\_\_\_\_ 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	
77																																					
76																																					
75																																					
74																																					
73																																					
72																																					
71																																					
70																																					
69																																					
68																																					
67																																					
66																																					
65																																					
64																																					
63																																					
62																																					
61																																					
60																																					
59																																					
58																																					
57																																					
56																																					
55																																					
54																																					
53																																					
52																																					
51																																					
50																																					
49																																					
48																																					
47																																					
46																																					
45																																					
44																																					
43																																					
42																																					
41																																					
40																																					
39																																					
38																																					
37																																					
TOTAL																																					

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Rel. Hum.	3983.5	494.55	77.71	11.557	64							93
Dry Bulb	2443791	39395	61.5	5.459	64			14.7	2.6			93
Wet Bulb	2114354	36552	57.3	4.321	64			.9				93
Dew Point	1885637	34625	54.1	4.769	64							93

USAFETAC FORM 34 0-26-5 (OL A) REVISED WITHOUT NOTICE OF THIS FORM ARE OBSOLETE



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

**PSYCHROMETRIC SUMMARY**

STATION WILLMAN AAF CL STATION NAME WILLMAN AAF CL YEARS 71-72

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB. WB	Dry Bulb	Wet Bulb	De. Pt.		
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
79																																						
80																																						
81																																						
82																																						
83																																						
84																																						
85																																						
86																																						
87																																						
88																																						
89																																						
90																																						
91																																						
92																																						
93																																						
94																																						
95																																						
96																																						
97																																						
98																																						
99																																						
100																																						
TOTAL	5.5	6.5	6.5	5.21	7.41	8.15	6.11	6.61	6.9	7.3	7.1	8.1	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

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

Element (X)	$\sum X$	$\sum X^2$	$\sum X^3$	$\sum X^4$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	27389.1	4110.7	52.516	936	783			64.5	46.7	25.1	1.5	93
Dry Bulb	4224.34	497.97	77.7	8.918	783			17.5				93
Wet Bulb	30654.73	487.42	61.4	4.777	783							93
Dew Point	3236.733	41611	53.1	5.616	783							93

CLIMATE BRANCH

# PSYCHROMETRIC SUMMARY

STATION NAME: LEHMAN AFB DL

72-61

YEARS

MONTH

PAGE 1 11-17-72  
HOURS 1157

Temp	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
70																																					
71																																					
72																																					
73																																					
74																																					
75																																					
76																																					
77																																					
78																																					
79																																					
80																																					
81																																					
82																																					
83																																					
84																																					
85																																					
86																																					
87																																					
88																																					
89																																					
90																																					
91																																					
92																																					
93																																					
94																																					
95																																					
96																																					
97																																					
98																																					
99																																					
100																																					
TOTAL																																					
TOTAL																																					

USAFETAC FORM 8-64 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	333.4	46996	57.5	17.519	732	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	53
Dry Bulb	4571249	54771	74.8	9.237	732			67.5	57.9	27.3	3.0	97
Wet Bulb	2796135	45113	61.6	4.649	732			14.6	.1			97
Dew Point	2066734	38675	52.8	5.653	732							97



AVIATION METEOROLOGY BRANCH  
 METEOROLOGICAL SERVICE DIVISION

# PSYCHROMETRIC SUMMARY

STATION 10007 ALEXAN AAF DL STATION NAME 77-31 YEARS MONTH

PAGE 1 1800-2000 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
60																																						
61																																						
62																																						
63																																						
64																																						
65																																						
66																																						
67																																						
68																																						
69																																						
70																																						
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
79																																						
80																																						
81																																						
82																																						
83																																						
84																																						
85																																						
86																																						
87																																						
88																																						
89																																						
90																																						
91																																						
92																																						
93																																						
94																																						
95																																						
96																																						
97																																						
98																																						
99																																						
100																																						
TOTAL	1.7	0.1	0.7	1.1	0.6	1.0	0.4	1.4	0.2	1.3	0.7	1.3	0.9	0.4	0.6	0.7	1.0	1.4	0.9	0.5	0.3																	
TOTAL																																						

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	237259	32975	56.3	17.625	586	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	333076	41334	71.4	8.7	586			58.6	47.9	19.7	.6	93
Wet Bulb	192314	35745	61.1	4.516	586			11.7				93
Dew Point	169916	31411	53.6	5.140	586							93

FORM 0-26-5 (OL A) REVISI REVISI EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 64

UNITED STATES AIR FORCE  
 14-00000  
 14-00000

# PSYCHROMETRIC SUMMARY

USE REVERSE SIDE OF THIS FORM  
 SEE FIRST PAGE

STATION: COLEMAN AAF DL STATION NAME: 73-01 YEARS: 1951 MONTH: JUL  
 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		
70																																						
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
79																																						
80																																						
81																																						
82																																						
83																																						
84																																						
85																																						
86																																						
87																																						
88																																						
89																																						
90																																						
91																																						
92																																						
93																																						
94																																						
95																																						
96																																						
97																																						
98																																						
99																																						
100																																						
TOTAL																																						
TOTAL																																						

Element (X)	Σ X	Σ X <sup>2</sup>	Σ X <sup>3</sup>	Σ X <sup>4</sup>	No. Obs.	Mean No. of Hours with Temperature						Total
						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Rel. Hum.	13634644	279734	59.418.536		3525							
Dry Bulb	17482401	246134	69.8 0.220		3525			479.7	275.6	131.9	8.4	744
Wet Bulb	17912344	212664	67.7 4.829		3525			81.0	.2			744
Dew Point	17199598	198688	53.9 5.311		3525			.7				744

USAFE/AC FORM 34-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 17205 D. LEMAN AAF DL STATION NAME: 73-51 YEARS: \_\_\_\_\_  
 MONTH: AUG  
 PAGE: 1 OF 1 HOURS (L.S.T.): \_\_\_\_\_

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
71																																			1	1			
70																																			7	7			
69																																			13	13			
68																																			15	15			
67																																			27	27		6	
66																																			51	51	17	4	
65																																			142	142	71	7	
64																																			90	90	43	66	
63																																			125	124	66	75	
62																																			79	79	173	96	
61																																			42	42	172	114	
60																																			75	35	76	68	
59																																			13	16	47	65	
58																																			9	9	71	62	
57																																			4	4	15	56	
56																																			3	3	9	38	
55																																			5	5	4	25	
54																																						7	7
53																																						1	1
52																																						3	3
TOTAL																																				665		665	465

Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4513253	54323	61.7	11.34	665	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	24355-3	40113	60.3	5.351	665				1.1			63
Wet Bulb	179714	37032	57.1	4.855	665			.8				93
Dew Point	1996134	36254	54.5	5.442	665							93

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





CENTRAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFMAG

# PSYCHROMETRIC SUMMARY

STATION: WHEELMAN AFB DL STATION NAME: WHEELMAN

YEARS: 70-71

MONTH: 4

PAGE: 1 HOURS: 1000-1700

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		
70																																						
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
79																																						
80																																						
81																																						
82																																						
83																																						
84																																						
85																																						
86																																						
87																																						
88																																						
89																																						
90																																						
91																																						
92																																						
93																																						
94																																						
95																																						
96																																						
97																																						
98																																						
99																																						
100																																						
TOTAL																																						

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	353776	77753	49.316	339	75							93
Wet Bulb	4233348	56139	74.7	8.148	75							93
Dew Point	3916163	46639	62.3	4.511	75							93
	2152632	39996	53.3	6.370	75							93

FORM NO. 44 0-26-5 (O/L) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 STATION DATA: DEW/100/1/MAC

### PSYCHROMETRIC SUMMARY

STATION: DEW/100/1/MAC STATION NAME: DEW/100/1/MAC YEARS: 1950-1952 MONTH: JULY

USAFETAC FORM 0-26-3 (OLA) REVID REVISED EDITIONS OF THIS FORM ARE OBLIETED

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.	TOTAL 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										
65																																									
66																																									
67																																									
68																																									
69																																									
70																																									
71																																									
72																																									
73																																									
74																																									
75																																									
76																																									
77																																									
78																																									
79																																									
80																																									
81																																									
82																																									
83																																									
84																																									
85																																									
86																																									
87																																									
88																																									
89																																									
90																																									
91																																									
92																																									
93																																									
94																																									
95																																									
96																																									
97																																									
98																																									
99																																									
100																																									
TOTAL		2	4	7	9	7	11	4	11	9	15	9	17	2	7	8	8	1	4	5	3	6	2	3	1	1										4	15		6	16	
TOTAL																																						6	16		
TOTAL																																									

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	218374	34795	56.516	541	616			57.4	41.2	16.4	.3	93
Wet Bulb	217288	33167	53.8	588	616			11.6	.5			93
Dew Point	157127	33167	53.8	588	616							93





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

# PSYCHROMETRIC SUMMARY

STATION: COLUMAN AAF DL YEARS: 73-51 MONTH: \_\_\_\_\_  
 STATION NAME: \_\_\_\_\_ YEARS: \_\_\_\_\_ MONTH: \_\_\_\_\_  
 PERIOD: \_\_\_\_\_ 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															
71.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	71.0	71.0	71.0	71.0	71.0															
72.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	72.0	72.0	72.0	72.0	72.0															
73.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	73.0	73.0	73.0	73.0	73.0															
74.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	74.0	74.0	74.0	74.0	74.0															
75.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	75.0	75.0	75.0	75.0	75.0															
76.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	76.0	76.0	76.0	76.0	76.0															
77.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	77.0	77.0	77.0	77.0	77.0															
78.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	78.0	78.0	78.0	78.0	78.0															
79.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	79.0	79.0	79.0	79.0	79.0															
80.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	80.0	80.0	80.0	80.0	80.0															
81.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	81.0	81.0	81.0	81.0	81.0															
82.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	82.0	82.0	82.0	82.0	82.0															
83.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	83.0	83.0	83.0	83.0	83.0															
84.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	84.0	84.0	84.0	84.0	84.0															
85.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	85.0	85.0	85.0	85.0	85.0															
86.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	86.0	86.0	86.0	86.0	86.0															
87.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	87.0	87.0	87.0	87.0	87.0															
88.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	88.0	88.0	88.0	88.0	88.0															
89.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	89.0	89.0	89.0	89.0	89.0															
90.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	90.0	90.0	90.0	90.0	90.0															
91.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	91.0	91.0	91.0	91.0	91.0															
92.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	92.0	92.0	92.0	92.0	92.0															
93.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	93.0	93.0	93.0	93.0	93.0															
94.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	94.0	94.0	94.0	94.0	94.0															
95.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	95.0	95.0	95.0	95.0	95.0															
96.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	96.0	96.0	96.0	96.0	96.0															
97.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	97.0	97.0	97.0	97.0	97.0															
98.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	98.0	98.0	98.0	98.0	98.0															
99.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	99.0	99.0	99.0	99.0	99.0															
100.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	100.0	100.0	100.0	100.0	100.0															

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

Element (X)	$\Sigma X'$	$\Sigma X^2$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	1-32 F	33-67 F	68-73 F	74-80 F	81-93 F	
Rel. Hum.	14527424	219872	67.18	7.71	3637							744
Dry Bulb	1722594	251534	68.78	7.98	3637			423.9	283.8	114.7		744
Wet Bulb	1335534	218755	66.84	4.95	3637			97.8	1.7			744
Dew Point	10692745	195253	54.15	5.85	3637	0.2		1.4				744

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20540

# PSYCHROMETRIC SUMMARY

STATION WILMINGTON AAF DL STATION NAME WILMINGTON AAF DL

77-51

YEARS

SEP  
 MONTH

PAGE 1

HOURS 11.5

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. Wet Bulb	Dry Bulb Dew Point																
/																		1	1																
/																		1	1																
/ 67																		4	4																
/ 68																		1	1																
/ 69																		4	4																
/ 70																		1	1																
/ 71																		1	1																
/ 72																		1	1																
/ 73																		1	1																
/ 74																		1	1																
/ 75																		1	1																
/ 76																		1	1																
/ 77																		1	1																
/ 78																		1	1																
/ 79																		1	1																
/ 80																		1	1																
/ 81																		1	1																
/ 82																		1	1																
/ 83																		1	1																
/ 84																		1	1																
/ 85																		1	1																
/ 86																		1	1																
/ 87																		1	1																
/ 88																		1	1																
/ 89																		1	1																
/ 90																		1	1																
/ 91																		1	1																
/ 92																		1	1																
/ 93																		1	1																
/ 94																		1	1																
/ 95																		1	1																
/ 96																		1	1																
/ 97																		1	1																
/ 98																		1	1																
/ 99																		1	1																
/ 100																		1	1																
TOTAL	17	4	3	2	7	2	1	4	7									647	647		647														

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4575.7	55748	86.2	9.132	647							6
Dry Bulb	11779.7	75579	55.7	6.725	647							6
Wet Bulb	11953.9	74124	52.7	5.537	647							6
Dew Point	15741.55	72878	57.8	5.755	647							6

USAFETAC FORM 26-5 (DL A) REVISED PREVIOUS EDITIONS OF THIS MANUAL OBSOLETE JAN 64





FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN RAP IDL  
 STATION NAME: COLEMAN RAP IDL

73-01

YEARS

MONTH

PAGE 1 15 0-17 0  
 HOURS (L. S. T.)

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	267500	4275	59.8	13.923	721	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	335000	43864	67.8	8.746	721			46.6	27.3	9.7		93
Wet Bulb	353324	42533	59.1	5.790	721			10.0	1.0			93
Dew Point	308242	47764	52.4	6.484	721			4				93

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

FEDERAL METEOROLOGICAL BRANCH  
 CIVIL ENGINEERING  
 AIR FORCE WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1. POINT: CLEMAN AAF CL

73-51

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE: 1800-2000  
 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		
75																																						
74																																						
73																																						
72																																						
71																																						
70																																						
69																																						
68																																						
67																																						
66																																						
65																																						
64																																						
63																																						
62																																						
61																																						
60																																						
59																																						
58																																						
57																																						
56																																						
55																																						
54																																						
53																																						
52																																						
51																																						
50																																						
49																																						
48																																						
47																																						
46																																						
45																																						
44																																						
43																																						
42																																						
41																																						
40																																						
39																																						
38																																						
37																																						
36																																						
35																																						
TOTAL																																						

USAFETAC FORM 84  
 0-26.5 (OLA)  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

UNITED STATES AIR FORCE  
1973

STATION COLLEMAN AAF DL STATION NAME

73-81 YEARS

PAGE 1 ALL MONTHS 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. Wet Bulb	W.B. Dew Point																	
72																																				
73																																				
74																																				
75																																				
76																																				
77																																				
78																																				
79																																				
80																																				
81																																				
82																																				
83																																				
84																																				
85																																				
86																																				
87																																				
88																																				
89																																				
90																																				
91																																				
92																																				
93																																				
94																																				
95																																				
96																																				
97																																				
98																																				
99																																				
100																																				
Total	7	15	19	119	514	413	4	8	9	4	5	1	8	.1	.2																					
D.B. Wet Bulb																																				
W.B. Dew Point																																				

Element (X)	Σ g'	Σ g	H	σ <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature				Total		
Rel. Hum.	1357733	242595	69.515	662	3512	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	723
Dry Bulb	1425114	271557	63.1	8.472	3512			223.5	135.6	23.4		723
Wet Bulb	1143331	199811	56.9	5.994	3512			40.4	2.7			723
Dew Point	8654814	192848	52.1	6.202	3512		0.2	1.2				723

USAFETAC FORM 0-26-5 (OLA) REVISIONS INDICATED BY THIS FORM ARE OBSOLETE.









FEDERAL BUREAU OF SURVEY  
CLIMATOLOGY BRANCH  
OFFICE OF METEOROLOGY  
AND WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

STATION WILEMAN AAF DL STATION NAME WILEMAN AAF DL YEARS 1970-1971 MONTH NOV  
PAGE 1 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														
7 / 75																			2	7															
7 / 77																			4	4															
7 / 75																			5	10															
7 / 77					.1		.4		.6		.7								12	13															
7 / 71					.6		.8		.4										14	14															
7 / 69				.1			1.0		.4										5	8															
7 / 57							.4												3	3		1													
7 / 59		.4		.7	1.2	1.1	1.2		.1		.1								23	33		1													
7 / 57		.7		1.1	2.1	1.9	2.2		.2										55	65		4													
7 / 51		.7		1.4	2.4	.6	.6												44	49		21													
7 / 59			1.4	2.5	1.1	1.1	.1												44	44		74													
7 / 57		1.2		1.8	2.6	1.1	.6												53	53		79													
7 / 59			1.7	2.9	1.6	.6													47	57		69													
7 / 53		1.1		1.6	3.3	1.7	.7		.7										71	71		63													
7 / 51		.4	1.3	2.5	1.9	.7	.1												92	40		67													
7 / 47		.7		1.7	2.8	.7	.1		.1										56	56		91													
7 / 47		2.4		4.1	1.2	.7	.1												75	66		171													
7 / 47		.8		1.9	.6	.1													56	56		177													
7 / 63		1.7		4.4	.1														16	18		75													
7 / 51		.1	2.6		.7														32	32		78													
7 / 71			.1																1	1		24													
7 / 77																						1													
7 / 75																						1													
7 / 73																						13													
7 / 71																						8													
7 / 71																						4													
7 / 67																						4													
7 / 67																						7													
7 / 67																						7													
7 / 67																						7													
7 / 67																						7													
7 / 67																						7													
7 / 67																						7													
T		.16	.42	2.5	6.24	5.16	5.11	1.4	3.5	1.1	.4								721	721		721													

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	354.74	496.9	68.3	13.578	721	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	2251232	19892	55.5	7.828	721							
Wet Bulb	1024745	75773	49.9	6.996	721							
Dew Point	1472391	72239	44.7	6.541	721			7.3				

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





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

# PSYCHROMETRIC SUMMARY

STATION: WILSON AAF CL STATION NAME: WILSON AAF CL YEARS: 1951 MONTH: NOV  
 PAGE: 1 HOURS (L.S.T.): 24

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																																					
71																																					
72																																					
73																																					
74																																					
75																																					
76																																					
77																																					
78																																					
79																																					
80																																					
81																																					
82																																					
83																																					
84																																					
85																																					
86																																					
87																																					
88																																					
89																																					
90																																					
91																																					
92																																					
93																																					
94																																					
95																																					
96																																					
97																																					
98																																					
99																																					
100																																					
TOTAL	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																					

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4421.14	5759	86.	9.655	59	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	97
Dry Bulb	1302584	23283	40.5	7.559	59		11.4					97
Wet Bulb	518354	22476	38.1	7.128	59		14.3					97
Dew Point	31858	21524	36.5	7.384	59		23.8					97

USAFETAC FORM NO. 44 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

STATION: WILEMAN AAF FL STATION NAME: WILEMAN AAF FL YEARS: 73-81 MONTH: NOV  
 PAGE: 1 HOURS (L. S. T.): 0900-1100

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														
47-50				.6	.7	.1												5	6																
47-49				.4	.3													2	2																
47-48				.4	.3	.1												12	12		3														
47-45			.7	.4	.2	.1	.3											15	15		4														
47-43			.4	.4	1.2	.3												22	32		4														
47-41			.7	.9	.1	.1												23	38		15														
47-39			.7	.9	.1													22	22		34														
47-37		.7	.3	.0	.1	.1												49	49		92														
47-35		.7	.1	.1	.9													35	35		74														
47-33		.5	.8	.4	.3													13	13		74														
47-31	1.7	.7	.1	.1	.1													174	104		92														
47-29		.1	.5	1.0	.1													42	32		58														
47-27		.1	.4	.5														42	32		36														
47-25		.2	.6	.1	.1													56	66		65														
47-23		.3	.5															72	72		69														
47-21		.4	1.2		.1													13	13		16														
47-19		.5	.2	.1														26	26		22														
47-17		.9	1.1															18	18		22														
47-15			.5															4	4		9														
47-13			.1															1	1		3														
47-11		.1																1	1		2														
47-9																					5														
47-7																					6														
TOTAL		.551	.731	.4	6.4	1.2	.5												749	749		749													

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	121931	31405	82.1	10.188	749	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1375487	31744	42.3	7.166	749		7.6					97
Wet Bulb	122534	29924	40.1	6.415	749		10.1					92
Dew Point	1353404	27708	37.0	6.697	749		27.7					90

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







FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE  
 AIR FORCE WEATHER SERVICE

# PSYCHROMETRIC SUMMARY

STATION: 1772-5 STATION NAME: GLENNAN AAF DL YEARS: 73-81 MONTH: NOV  
 PAGE: 1 HOURS (L. S. T.): 1800-0000

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														
47-51				.4														4	4																
47-50				.4	.4													6	6																
47-50				.4	.4													5	5																
47-50			1.1	.4	.4	.6												14	14	4															
47-50			1.1	1.1	.4													13	13	4	1														
47-50			1.1	1.7														17	17	12	3														
47-50		1.5	2.2	.4														23	23	16	11														
47-50		1.3	1.1	.4	.4													15	16	12	7														
47-50		2.7	2.2	1.7	.4													23	33	27	17														
47-50		5.1	5.4	.6														63	53	37	34														
47-47	.3	9.3	7.7	.3														51	91	75	38														
47-41	.2	7.9	7.9	.4														25	25	65	72														
47-38	.3	4.6	1.4	.4														24	34	26	59														
47-37	1.3	2.3	1.3															24	24	62	57														
47-37	.6	1.9	1.1	.2														26	26	27	63														
47-33	.3	2.5	1.3															24	24	29	58														
47-33		3.1		.4														17	17	21	12														
47-29	.3	2.5	.6															20	22	24	33														
47-29		1.1																6	6	13	25														
47-25																				3	16														
47-23																					6														
47-21																					1														
47-17																					1														
TOTAL	4.0	47.5	36.6	9.4	2.1	.6												522	522	522	522														

Element (X)	Σx'	Σx	R	r <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3430454	41992	8.4	10.33	522							90
Dry Bulb	1004534	22584	43.3	7.259	522		7.4					90
Wet Bulb	386517	21247	40.7	6.458	522		10.5					90
Dew Point	756455	19559	37.5	6.731	522		17.4					90

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

FEDERAL BUREAU OF SURVEY  
 UNITED STATES DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY  
 WASHINGTON, D. C.

# PSYCHROMETRIC SUMMARY

USE WITH CARE  
 SEE PAGE 2

73-81 COLEMAN AAF DL

73-81

NOV

STATION STATION NAME YEARS

YEARS

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	
/ 55						.4	.5			.1																										1	1	
/ 56					.7	.3																													35	35		
/ 57				.9	.5	.2					.1																							71	21	1		
/ 58		.1		1.0	.8	.4				.1	.1																							73	73	19		
/ 59		.2		1.1	.9	.5				.2	.1																							92	98	28	1	
/ 60		.3		1.2	1.0	.6				.2	.1																							174	124	63	17	
/ 61		.4		1.3	1.1	.7				.3	.2																							177	177	96	35	
/ 62		.5		1.4	1.2	.8				.3	.2																							170	170	159	44	
/ 63	.1	.2		1.5	1.3	.9				.4	.3																							271	271	211	137	
/ 64	.2	.3		1.6	1.4	1.0				.4	.3																							424	424	336	218	
/ 65	.3	.4		1.7	1.5	1.1				.5	.4																							427	427	371	253	
/ 66	.4	.5	.1	1.8	1.6	1.2				.5	.4																							478	426	417	454	
/ 67	.5	.6	.2	1.9	1.7	1.3				.6	.5																							269	269	398	366	
/ 68	.6	.7	.3	2.0	1.8	1.4				.6	.5		.1																					211	211	344	325	
/ 69	.7	.8	.4	2.1	1.9	1.5				.7	.6		.2																					216	216	261	398	
/ 70	.8	.9	.5	2.2	2.0	1.6				.7	.6		.2																					145	145	278	337	
/ 71	.9	1.0	.6	2.3	2.1	1.7				.8	.7		.3																					66	66	176	149	
/ 72	1.0	1.1	.7	2.4	2.2	1.8				.8	.7		.3																					78	78	96	177	
/ 73	1.1	1.2	.8	2.5	2.3	1.9				.9	.8		.4																					45	45	70	197	
/ 74	1.2	1.3	.9	2.6	2.4	2.0				.9	.8		.4																					17	17	26	93	
/ 75	1.3	1.4	1.0	2.7	2.5	2.1				.9	.8		.4																					12	12	14	35	
/ 76	1.4	1.5	1.1	2.8	2.6	2.2				.9	.8		.4																				4	4	9	29		
/ 77	1.5	1.6	1.2	2.9	2.7	2.3				.9	.8		.4																								2	17
/ 78	1.6	1.7	1.3	3.0	2.8	2.4				.9	.8		.4																								13	7
/ 79	1.7	1.8	1.4	3.1	2.9	2.5				.9	.8		.4																								1	1
/ 80	1.8	1.9	1.5	3.2	3.0	2.6				.9	.8		.4																								1	1
TOTAL									3.4	.6	.8																							3297	3297	3297	3297	

Element (X)	Σx'	Σx	Σy	Σy'	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	213710	251700	70.511	756	329							
Dry Bulb	636735	142684	43.4	7.422	329		48.6					725
Wet Bulb	564354	133659	40.5	6.511	329		75.1					725
Dew Point	473747	172337	37.2	6.958	329		158.4					725

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

CENTRAL CLIMATOLOGY BRANCH  
 WET BULB TEMPERATURE DEPRESSION SERVICE

# PSYCHROMETRIC SUMMARY

STATION: COLEMAN AAF CL STATION NAME: 70-31 YEARS: 1969-1970 MONTH: 05-1969

PAGE: 1 HOURS: 491

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
77																																			1	1			
76																																			3	3			
75																																			13	13			
74																																			9	9	15		
73																																			27	27	17	11	
72																																			25	27	18	17	
71																																			29	30	21	17	
70																																			27	37	20	11	
69																																			41	41	25	22	
68																																			53	53	29	23	
67																																			34	34	41	40	
66																																			24	34	48	49	
65																																			21	31	40	21	
64																																			26	26	37	38	
63																																			29	29	46	24	
62																																			19	19	19	37	
61																																			17	17	13	22	
60																																			9	9	11	16	
59																																			17	17	13	17	
58																																			0	0	11	16	
57																																			4	4	3	9	
56																																			1	1	2	4	
55																																							
TOTAL																																				491	491	40	491

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature				Total		
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	374139	42301	86.3	0.678	491							93
Dry Bulb	67176	17582	35.8	0.759	491		32.6					93
Wet Bulb	611237	16859	34.3	0.127	491		37.1					93
Dew Point	536751	15732	32.2	0.404	491		47.9					93

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





GENERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION C. LEMAN AAF DE  
 STATION NAME

73-51  
 YEARS

OFC  
 MONTH

PAGE 1 1950-1951  
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 50																		1	1																
/ 51																		2	2																
/ 52																		16	16																
/ 53																		17	17																
/ 54																		21	21	14															
/ 55																		18	18	27															
/ 56																		20	20	25	18														
/ 57																		56	56	70	34														
/ 58																		57	57	48	16														
/ 59																		64	64	77	41														
/ 60																		49	49	67	29														
/ 61																		69	69	72	17														
/ 62																		56	56	67	17														
/ 63																		49	49	60	21														
/ 64																		19	19	45	23														
/ 65																		34	34	19	23														
/ 66																		7	7	47	65														
/ 67																		8	8	23	31														
/ 68																		4	4	5	7														
/ 69																		12	12	0	1														
/ 70																		3	3	4	14														
/ 71																				7	11														
/ 72																					4														
/ 73																					2														
/ 74																					1														
/ 75																					1														
/ 76																					1														
/ 77																					1														
/ 78																					1														
/ 79																					1														
/ 80																					1														
/ 81																					1														
/ 82																					1														
/ 83																					1														
/ 84																					1														
/ 85																					1														
/ 86																					1														
/ 87																					1														
/ 88																					1														
/ 89																					1														
/ 90																					1														
/ 91																					1														
/ 92																					1														
/ 93																					1														
/ 94																					1														
/ 95																					1														
/ 96																					1														
/ 97																					1														
/ 98																					1														
/ 99																					1														
/ 100																					1														
TOTAL		645	233	111	3	1	3											674	674	574	674														

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_a$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3835377	47622	79.8	11.6	634	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	976774	23816	39.4	7.855	634		16.6					93
Wet Bulb	451544	22273	36.9	7.104	634		22.9					93
Dew Point	648584	22314	33.1	7.663	604		45.4					93

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







2  
 CENTRAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFAC

## MEANS AND STANDARD DEVIATIONS

DAY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION: COLEMAN AAF DL

73-81

PERIOD	STATION NAME	YEARS												ANNUAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
-5	MEAN	33.0	34.8	40.4	43.6	52.7	59.7	61.6	60.3	55.7	46.1	41.5	35.8	47.5
	S D	2.33	2.767	7.79	5.156	6.241	5.967	5.459	5.351	6.025	6.240	7.550	8.759	12.041
	TOTAL OBS	673	594	676	645	663	651	640	665	647	626	595	491	7514
-11	MEAN	34.0	37.0	44.5	50.1	59.6	66.1	68.4	67.9	61.3	50.0	42.3	37.2	51.7
	S D	2.615	6.573	7.331	7.326	7.605	7.544	7.550	6.545	6.395	6.837	7.166	8.599	14.114
	TOTAL OBS	770	736	823	771	803	778	784	786	792	756	749	636	9276
1-14	MEAN	35.0	41.1	47.4	55.1	64.3	71.3	72.9	73.5	67.1	54.7	40.2	39.6	56.3
	S D	7.867	6.494	7.319	8.399	8.931	8.887	8.918	7.720	7.415	7.621	7.70	7.377	14.997
	TOTAL OBS	768	743	324	703	803	795	783	790	789	792	745	692	9277
-7	MEAN	35.4	42.3	51.0	56.4	65.7	71.5	74.0	74.7	67.8	55.3	45.2	39.4	57.1
	S D	7.789	5.657	7.817	9.044	9.109	9.066	9.237	8.140	8.046	7.823	7.047	7.855	15.364
	TOTAL OBS	711	693	766	771	746	731	732	750	771	721	694	614	9581
-1	MEAN	36.7	39.7	47.4	53.2	62.5	68.7	71.4	71.4	63.5	51.6	43.3	37.7	54.9
	S D	5.258	5.957	7.567	8.533	8.759	8.688	8.701	7.756	7.118	6.919	7.259	7.468	14.735
	TOTAL OBS	537	525	511	585	587	592	586	616	583	563	522	389	5675
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	35.4	39.1	46.6	51.9	61.1	67.4	69.8	69.7	63.1	51.7	43.4	39.1	53.8
	S D	5.546	7.253	8.337	9.111	9.368	9.128	9.220	8.798	8.402	7.870	7.422	8.285	14.758
	TOTAL OBS	3414	3281	3699	3525	3502	3537	3525	3607	3512	3478	3290	2552	41323

2  
 FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION: COLEMAN AAF DL

73-91

STATION		YEARS												
STATION NAME		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
- 0	MEAN	32.0	33.4	35.4	41.5	48.9	55.5	57.3	57.0	52.7	44.5	33.8	34.3	44.9
	S D	6.44	6.138	7.157	5.667	5.557	5.374	4.321	4.855	5.580	5.376	7.028	8.127	10.954
	TOTAL OBS	520	594	676	645	663	651	64	665	647	626	590	491	7514
- 1	MEAN	33.3	34.9	40.9	44.3	52.3	58.1	60.1	60.3	55.1	47.1	40.0	35.3	47.1
	S D	6.197	5.878	6.408	5.700	5.709	5.527	4.575	4.497	5.248	5.961	6.415	7.848	11.461
	TOTAL OBS	772	736	823	781	803	778	784	786	792	786	749	686	9275
1 - 10	MEAN	37.6	37.5	43.6	46.5	54.1	59.5	61.4	62.1	58.7	49.7	41.7	37.0	49.3
	S D	7.145	5.598	6.348	6.036	5.701	5.824	4.771	4.529	5.734	5.937	6.119	7.176	11.224
	TOTAL OBS	768	743	824	783	803	775	783	790	789	782	745	682	9277
- 7	MEAN	35.7	32.3	44.2	47.3	54.6	59.9	61.6	62.2	59.0	49.9	41.8	36.9	49.5
	S D	6.974	5.477	6.518	6.237	5.755	5.675	4.649	4.611	5.797	6.794	6.149	7.104	11.103
	TOTAL OBS	711	633	766	731	746	731	732	751	721	721	684	674	9587
- 2	MEAN	34.5	36.8	42.5	45.8	53.4	59.1	61.0	61.2	57.5	48.0	40.7	35.7	48.7
	S D	7.489	5.175	6.656	6.112	5.773	5.423	4.516	4.490	5.432	5.847	6.468	7.009	11.221
	TOTAL OBS	537	525	617	585	587	592	586	616	563	563	522	389	6675
ALL HOURS	MEAN	34.5	36.2	42.7	45.1	52.7	55.4	60.3	60.6	56.9	48.0	40.6	35.9	48.1
	S D	7.734	5.938	6.915	6.406	6.079	5.764	4.829	4.952	5.994	6.253	6.511	7.536	11.357
	TOTAL OBS	3414	3281	3699	3529	3622	3537	3529	3607	3512	3478	3290	2852	41322

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

**MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION: COLEMAN AAF DL

73-81

STATION		STATION NAME												YEARS	
HRS	EST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
		MEAN	31.2	31.2	35.6	36.7	45.1	52.0	54.1	54.5	50.8	42.9	36.5	32.0	42.2
		S D	6.423	5.165	7.671	6.575	6.561	5.357	4.769	5.442	5.755	6.164	7.384	8.404	11.057
		TOTAL OBS	626	594	676	645	663	651	647	665	647	626	590	491	7514
		MEAN	32.0	31.7	36.2	37.5	45.6	51.8	54.1	54.8	52.0	44.2	37.0	32.5	42.5
		S D	5.345	5.275	7.052	7.070	6.269	6.902	5.118	5.549	5.831	6.334	6.697	8.160	11.153
		TOTAL OBS	772	736	823	741	803	778	784	796	792	786	749	696	9276
		MEAN	32.0	32.4	36.5	37.5	44.9	51.2	53.1	54.1	52.3	44.9	37.4	33.2	42.6
		S D	7.619	5.706	6.463	7.319	7.442	7.376	5.616	5.912	6.674	6.331	6.687	7.745	10.819
		TOTAL OBS	763	743	824	703	803	785	783	790	789	782	745	682	9077
		MEAN	32.1	32.7	36.2	37.2	44.6	51.1	52.3	53.3	52.4	44.7	37.5	33.1	42.5
		S D	7.345	6.386	8.949	7.231	7.577	7.474	5.653	6.300	6.484	6.541	6.814	7.663	10.784
		TOTAL OBS	711	683	766	731	746	731	732	753	721	721	694	604	8590
		MEAN	31.5	32.5	36.7	37.3	45.1	51.5	53.6	53.8	52.8	44.5	37.5	32.5	42.9
		S D	7.617	5.978	8.642	7.561	7.373	6.973	5.140	5.889	5.967	6.184	6.731	7.872	10.839
		TOTAL OBS	537	525	611	585	587	592	586	616	563	563	522	389	6675
		MEAN													
		S D													
		TOTAL OBS													
		MEAN													
		S D													
		TOTAL OBS													
		MEAN													
		S D													
		TOTAL OBS													
ALL HOURS		MEAN	31.5	32.1	36.2	37.3	45.1	51.5	53.5	54.1	52.1	44.3	37.2	32.7	42.6
		S D	7.915	6.348	8.286	7.296	7.203	6.990	5.311	5.850	6.202	6.357	6.958	7.938	10.911
		TOTAL OBS	3414	3281	3699	3525	3602	3537	3525	3677	3513	3478	3290	2852	41323

WASHINGTON FIELD OFFICE  
 WASHINGTON, D.C. 20535  
 TELEPHONE SE 210 7440

# RELATIVE HUMIDITY

STATION WASH DC STATION NAME WASH DC PERIOD 1964 MONTH 7

## 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%		
<b>TOTALS</b>		0.	100.	100.	100.	89.0	67.0	65.0	50.0	37.0		714





# RELATIVE HUMIDITY

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%			
	0-10												
	1-10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	1-11	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-12	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-13	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-14	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-15	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-16	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-17	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-18	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-19	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	1-20	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99
	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	99.7	99.3	98.7	97.7	96.4	93.9	88.6	80.9	71.3	60.0	500



ALBANY METEOROLOGICAL STATION  
 1000  
 1000

**RELATIVE HUMIDITY**

STATION: DUCEMAN AFB DL PERIOD: 1950 MONTH: 11

**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%		
	11-01											
	11-02											
	11-03	100.0	100.0	100.0	99.7	97.9	93.7	89.9	86.7	84.0	81.7	61
	11-04	100.0	100.0	99.9	98.5	95.7	91.9	88.9	86.0	84.0	81.7	61
	11-05	100.0	99.5	98.7	96.5	93.7	90.7	87.9	85.0	83.0	81.7	61
	11-06	100.0	98.7	96.7	93.0	89.7	86.1	83.4	80.9	79.0	77.7	61
	11-07	100.0	99.0	97.7	95.0	92.4	89.3	86.9	84.9	83.0	81.7	61
	11-08											
	11-09											
	11-10											
	11-11											
	11-12											
	11-13											
	11-14											
	11-15											
	11-16											
	11-17											
	11-18											
	11-19											
	11-20											
	11-21											
	11-22											
	11-23											
	11-24											
	11-25											
	11-26											
	11-27											
	11-28											
	11-29											
	11-30											
	TOTALS	100.0	99.0	96.0	91.7	87.0	81.0	75.3	70.3	66.7	64.0	61

# RELATIVE HUMIDITY

STATION: DENVER, WAB 111      STATION NAME: DENVER, WAB 111      PERIOD:      MONTH:

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	-01	100.0	100.0	100.0	99.7	98.7	97.1	94.7	91.0	86.7	81.7	77.0
	-02	100.0	99.9	99.7	99.0	97.1	94.4	91.7	88.0	83.7	79.0	74.0
	-03	100.0	99.9	99.7	99.1	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-04	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-05	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-06	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-07	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-08	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-09	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-10	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-11	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-12	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-13	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-14	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-15	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-16	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-17	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-18	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-19	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-20	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-21	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-22	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-23	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-24	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-25	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-26	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-27	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-28	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-29	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-30	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	-31	100.0	99.9	99.7	99.2	97.1	94.6	92.0	88.3	84.0	79.3	74.3
	TOTALS	100.0	99.9	99.6	99.0	96.9	94.4	91.9	88.2	83.9	79.2	74.3

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

**RELATIVE HUMIDITY**

STATION: WILMINGTON STATION NAME: WILMINGTON PERIOD: 1951 MONTH: JUL

**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%		
JUL	1-00											
	1-01											
	1-02	100.0	100.0	100.0	99.5	96.9	91.1	77.7	40.9	11.1	7.7	19
	1-03	100.0	100.0	98.7	97.1	77.7	51.1	27.9	17.0	4.7	5.7	70
	1-04	100.0	99.7	98.6	75.0	45.7	25.4	16.7	9.7	2.6	5.7	77
	1-05	100.0	97.7	91.0	67.0	41.7	20.6	16.4	7.7	2.0	5.7	77
	1-06	100.0	99.1	95.0	71.0	56.9	31.2	27.7	11.0	7.0	7.7	77
	1-07											
	1-08											
	1-09											
	1-10											
	1-11											
	1-12											
	1-13											
	1-14											
	1-15											
	1-16											
	1-17											
	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											
<b>TOTALS</b>		100.0	99.1	95.7	71.0	50.6	40.9	27.4	16.9	5.7	5.7	770

MONTHLY SUMMARY OF  
 METEOROLOGICAL DATA  
 AT

### RELATIVE HUMIDITY

WILMINGTON AFB

STATION: WILMINGTON AFB      STATION NAME: WILMINGTON AFB      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											
	1-2											
	1-3	100.0	100.0	100.0	100.0	98.1	95.0	89.0	80.0	67.0	51.0	41
	1-4	100.0	100.0	99.7	95.7	87.6	80.9	74.5	64.4	51.9	41.5	75
	1-5	100.0	99.7	94.4	77.0	49.1	28.0	14.7	8.0	3.8	17.0	75
	1-6	100.0	99.5	87.0	65.8	42.4	23.2	11.8	5.6	1.7	17.0	75
	1-7	100.0	99.5	94.7	57.1	61.7	77.0	22.4	8.4	2.8	17.0	75
	1-8											
	1-9											
	1-10											
	1-11											
	1-12											
	1-13											
	1-14											
	1-15											
	1-16											
	1-17											
	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	99.0	90.6	74.2	56.8	45.0	34.7	27.1	18.1	11.1	75



# RELATIVE HUMIDITY

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%		
<b>TOTALS</b>		100.0	100.0	100.0	99.6	96.8	88.6	79.7	74.0	67.9	57.6	747

# RELATIVE HUMIDITY

STATION ELPHANT AIR FLD PERIOD 1-1-54 MONTH 1-54

## 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											
	1-2											
	1-3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-8											
	1-9											
	1-10											
	1-11											
	1-12											
	1-13											
	1-14	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-15	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-16	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-17	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1-19	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0





U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

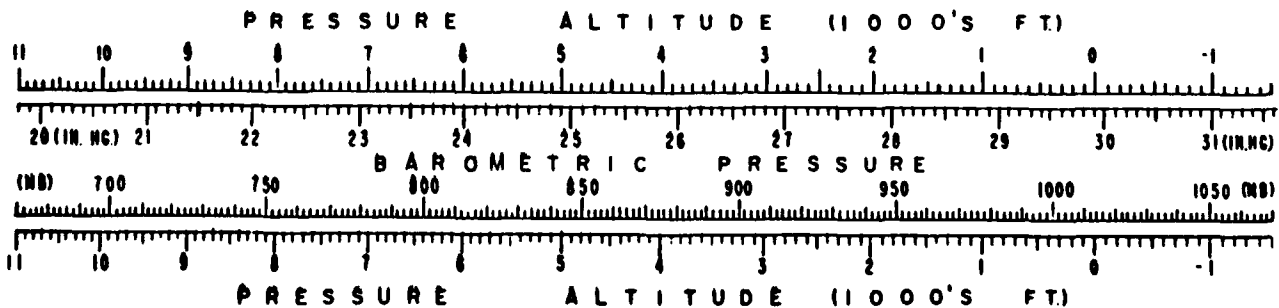
PRESSURE SUMMARY

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. DATA NOT AVAILABLE

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



F

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS													
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
17745	COLEMAN AAF DL	73-81													
HRS EST															
MEAN															
S D															
TOTAL OBS															
MEAN															
S D															
TOTAL OBS															
MEAN		29.717	29.651	29.634	29.650	29.645	29.692	29.681	29.721	29.733	29.680	29.736	29.607	29.687	
S D		.329	.352	.282	.274	.199	.162	.144	.145	.193	.277	.303	.414	.261	
TOTAL OBS		193	133	211	204	207	275	197	210	199	186	172	148	2315	
MEAN		29.739	29.682	29.649	29.655	29.661	29.698	29.690	29.724	29.745	29.696	29.762	29.665	29.697	
S D		.329	.359	.277	.206	.203	.162	.145	.147	.186	.287	.290	.392	.267	
TOTAL OBS		251	245	275	263	266	259	263	262	265	262	251	229	3095	
MEAN		29.722	29.682	29.634	29.635	29.643	29.683	29.677	29.708	29.731	29.682	29.748	29.645	29.682	
S D		.329	.351	.273	.202	.194	.158	.140	.142	.192	.278	.298	.393	.257	
TOTAL OBS		251	248	275	261	268	261	261	263	265	262	250	225	3095	
MEAN		29.711	29.662	29.617	29.611	29.624	29.668	29.662	29.689	29.711	29.663	29.729	29.637	29.664	
S D		.331	.342	.265	.198	.189	.158	.138	.140	.180	.274	.287	.395	.254	
TOTAL OBS		204	246	273	254	258	252	258	261	257	261	250	223	3747	
MEAN		29.702	29.660	29.611	29.618	29.609	29.662	29.646	29.694	29.714	29.680	29.741	29.625	29.664	
S D		.341	.342	.271	.211	.179	.158	.138	.137	.187	.272	.305	.403	.254	
TOTAL OBS		175	172	207	191	189	191	189	199	184	187	173	120	2169	
MEAN															
S D															
TOTAL OBS															
2															
MEAN		29.721	29.669	29.628	29.634	29.638	29.681	29.672	29.707	29.728	29.680	29.744	29.639	29.678	
S D		.331	.351	.273	.213	.193	.159	.142	.143	.185	.276	.293	.395	.258	
TOTAL OBS		1139	1094	1234	1169	1188	1169	1169	1195	1177	1158	1096	645	17723	
ALL HOURS															

**LATE  
LME**