

AD A 074680

USAFETAC/DS-79/061

DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

MINERAL WELLS FAA TEXAS                      WBAN# 93985  
N 32 47 W 098 04 ELEV 972 FT MWL           WMO#

FT WOLTERS TEX/MINERAL WELLS              WBAN# 03943  
N 32 50 W 098 03 ELEV 902 FT KCWO       WMO#

PARTS A-F

POR FROM HOURLY OBS: JAN 49-DEC 65, OCT 66-DEC 70  
POR FROM DAILY OBS: JAN 49-DEC 65, OCT 66-DEC 70

MAY 18 1972

FEDERAL BUILDING  
ASHEVILLE, N. C.

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This technical report has been reviewed and is approved for publication.

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FOR THE COMMANDER

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Scientific & Technical  
Information Officer

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Ft Wolters, Mineral Wells, Texas It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dr. -bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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

\* Texas

\* Ft Wolters TX

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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DATA PROCESSING DIVISION  
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AIR WEATHER SERVICE (MAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

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

### DAILY OBSERVATIONS

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

### DESCRIPTION OF SUMMARIES

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

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

**PART A WEATHER CONDITIONS**

ATMOSPHERIC PHENOMENA

**PART B PRECIPITATION**

SNOWFALL

SNOW DEPTH

**PART C SURFACE WINDS**

**PART D CEILING VERSUS VISIBILITY**

SKYCOVER

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

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

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

RELATIVE HUMIDITY

**PART F STATION PRESSURE**

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

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

### MISSING HOUR GROUPS

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

JANUARY _____	APRIL _____	JULY _____	OCTOBER _____
FEBRUARY _____	MAY _____	AUGUST _____	NOVEMBER _____
MARCH _____	JUNE _____	SEPTEMBER _____	DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
03943	FT WOLTERS AAF TEX/MINERAL WELLS	N 32 50	W 098 03	902	KCWO	

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	BAROMETER	
1	Mineral wells Texas MAP	FAA	Mar 48	Dec 65	N 32 47	W 098 04	972	939	24
2	Mineral Wells Tex/Ft Wolters	AAF	Oct 66	May 67	N 32 50	W 098 03	898	1036	14to22
3	No Change	AAF	Jun 67	Apr 69	No Change	No Change	902	886	24
4	No Change	AAF	May 69	May 69	No Change	No Change	No Chge	No Chge	16
5	No Change	AAF	Jun 69	Oct 70	No Change	No Change	No Chge	No Chge	24
6	No Change	AAF	Nov 70	Dec 70	No Change	No Change	No Chge	No Chge	14&12

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 48 to Dec 65	Located on the roof.	F420-B	None	28 Ft	
2	Oct 66 to May 67	Located on top of MMQ-2 Van.	AN/TMQ-15	None	12 Ft	
3	May 67 to Feb 69	Located 2400 ft W of Weather Observing Site.	AN/GMQ-11	RO-2A	13 Ft	
4	Mar 69 to Dec 70	1. Located 2245 ft E & 1210 ft N of center of Heliport. 2. Located 2460 ft E & 340 ft S of center of Heliport.	AN/GMQ-11 T-755GMQ-20	RO-2B RO-2B	12 Ft 12 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
		3. Located 950 ft W & 1425 ft S of center of Heliport.	AN/GMQ-11	RO-2B	30 Ft	
		4. Located 580 ft N & 2425 ft W of center of Heliport.	AN/GMQ-11	RO-2B	12 Ft	



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ASHEVILLE, NORTH CAROLINA

## 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.

Occurrences of the various phenomena included in each category on the forms are listed below:

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

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

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

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

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 total columns.

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-WEAN sources.)

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

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

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

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## WEATHER CONDITIONS

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70 ALL  
 STATION STATION NAME YEARS MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	5.6	2.2	1.3		8.7	9.6	1	.1	.3	10.0	14403
FEB		.4	6.3	.9	1.3	.0	8.2	8.5	.3	.9	1.1	9.8	13206
MAR		.7	4.7	.2	.4	.0	5.2	4.1	.6	.0	1.5	6.2	14484
APR		2.2	5.9	.0		.0	5.9	3.5	1.1		1.1	5.6	14199
MAY		3.2	5.5			.0	5.5	2.4	.7		.3	3.3	14579
JUN		1.9	3.3			.0	3.3	1.0	.6			1.6	14167
JUL		1.6	2.7				2.7	.5	.3		.0	.8	14581
AUG		1.4	2.2				2.2	.5	.4			.8	14595
SEP		1.5	4.4				4.4	2.0	.7			2.4	14090
OCT		.9	4.5		.0		4.5	3.4	.3		.0	3.5	15093
NOV		.4	5.9	.0	.2		6.0	6.6	.2		.3	7.0	14162
DEC		.2	5.8	.4	.5		6.6	8.4	.2	.0	.6	9.1	14132
TOTALS		1.2	4.7	.3	.3	.0	5.3	4.2	.5	.0	.4	5.0	171691

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**WEATHER CONDITIONS**

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70 JAN  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.5	6.1	2.5	1.0		9.1	9.4			.1	9.4	1743
	03-05	.4	6.5	2.1	1.5		9.8	12.2	.2			12.3	1831
	06-08	.3	6.2	2.3	1.5		9.9	15.7	.2	.2		16.0	1835
	09-11	.3	5.6	2.4	1.5		9.3	13.0	.3	.2	.2	13.5	1841
	12-14	.1	5.3	2.0	1.6		8.7	7.6	.1	.2	.3	8.1	1835
	15-17		5.1	2.1	1.0		7.9	6.3	.1	.1	1.0	7.4	1820
	18-20		5.3	1.8	.8		7.5	6.3	.1		.5	6.8	1762
	21-23	.3	4.7	2.1	1.1		7.6	6.4			.3	6.7	1736
TOTALS		.2	5.6	2.2	1.3		8.7	9.6	.1	.1	.3	10.0	14403

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**WEATHER CONDITIONS**

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70 FEB  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.7	7.2	1.0	1.3		9.2	8.1	.1		1.0	9.2	1613
	03-05	.7	8.1	.8	1.0		9.9	12.4		.1	.7	13.1	1669
	06-08	.7	8.1	.9	1.3	.1	10.0	15.7	.3		.8	16.7	1669
	09-11	.1	6.1	1.3	1.3		8.2	12.0	.7		.8	13.0	1671
	12-14	.1	6.5	1.0	1.0		8.1	6.9	.5	.2	1.1	8.6	1671
	15-17	.2	4.7	.7	1.2	.1	6.3	4.3	.4		1.9	6.5	1664
	18-20	.4	4.6	.6	1.3		6.4	4.1	.2		1.7	5.9	1635
	21-23	.4	5.2	.7	1.4		7.1	4.6			.8	5.4	1614
TOTALS		.4	6.3	.9	1.3	.0	8.2	8.5	.3	.0	1.1	9.8	13206

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 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

03943      FT WOLTERS AAF TEX/MINERAL WELLS      49-69,67-70      MAR  
STATION      STATION NAME      YEARS      MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	1.0	5.2	.1	.3		5.6	4.3	.2		1.2	5.7	1758
	03-05	.8	5.5	.4	.4		6.3	5.3	.4		1.1	6.7	1624
	06-08	.5	5.0	.3	.4	.1	5.6	7.4	.9		1.3	9.2	1833
	09-11	.2	5.1	.5	.7		6.2	5.0	1.0		.9	6.7	1839
	12-14	.7	4.5	.3	.9		5.4	3.4	.7		1.1	5.1	1638
	15-17	.7	4.4		.3		4.7	2.4	.8		2.1	5.1	1629
	18-20	.8	4.0	.1	.2		4.0	2.6	.8		2.8	6.0	1791
	21-23	1.0	3.8		.3		4.0	2.7	.1	.1	1.8	4.7	1772
TOTALS		.7	4.7	.2	.4	.0	5.2	4.1	.6	.0	1.5	6.2	14484

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**WEATHER CONDITIONS**

03943      FT WOLTERS AAF TEX/MINERAL WELLS      49-65,67-70      APR  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	2.3	5.6	.1		.1	5.7	3.4	.7		1.5	5.5	1755
	03-05	1.9	6.5				6.5	5.7	.6		.4	6.6	1792
	6-08	1.6	6.1				6.1	8.3	1.5		.6	9.7	1792
	09-11	1.5	5.9				5.9	3.8	1.6		.9	6.0	1794
	12-14	1.9	5.4			.1	5.4	1.3	1.3		1.0	3.5	1793
	15-17	2.2	6.1			.1	6.1	1.6	1.2		1.2	4.0	1791
	18-20	3.0	5.7				5.7	1.7	.9		1.8	4.3	1752
	21-23	3.3	5.7				5.7	2.2	1.0		1.7	4.8	1730
TOTALS		2.2	5.9	.0		.0	5.9	3.5	1.1		1.1	5.6	14199

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**WEATHER CONDITIONS**

03943      FT WOLTERS AAF TEX/MINERAL WELLS      49-69,67-70      MAY  
STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	4.5	6.3				6.3	1.7	.6		.3	2.6	1830
	03-05	3.5	6.9			.1	6.9	4.6	.7		.2	5.3	1832
	06-08	2.7	6.4				6.4	7.0	1.1		.5	8.1	1831
	09-11	2.0	5.8			.1	5.8	2.6	.6		.5	3.3	1837
	12-14	2.3	4.3				4.3	1.0	.5		.3	1.8	1839
	15-17	2.1	4.2				4.2	.8	.5		.3	1.7	1828
	18-20	4.1	4.6				4.6	.7	.9		.4	2.1	1791
	21-23	4.0	5.6				5.6	.8	.7		.2	1.7	1791
TOTALS		3.2	5.5			.0	5.5	2.4	.7		.3	3.3	14579



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**WEATHER CONDITIONS**

03943      FT WOLTERS AAF TEX/MINERAL WELLS      49-65,67-70      JUN  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	3.6	4.6			.1	4.6	.7	.3			1.0	1776
	03-05	2.9	4.9				4.9	1.9	.6			2.4	1782
	06-08	1.1	3.3				3.3	3.0	1.5			4.2	1785
	09-11	1.2	3.4				3.4	1.2	.7			1.9	1784
	12-14	.8	2.8				2.8	.4	.4			.9	1784
	15-17	1.7	2.5				2.5	.4	.3			.7	1777
	18-20	1.9	2.2			.1	2.2	.2	.3			.5	1745
	21-23	1.9	2.7				2.7	.4	.4			.8	1734
TOTALS		1.9	3.3			.0	3.3	1.0	.6			1.6	14167

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

03943

FT WOLTERS AAF TEX/MINERAL WELLS

49-65,67-70

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.9	1.6				1.6	.3	.2			.4	1834
	03-05	2.2	3.5				3.5	.6	.2			.8	1836
	06-08	2.3	4.1				4.1	2.0	.9			2.3	1836
	09-11	1.4	3.9				3.9	.4	.4			.8	1836
	12-14	1.5	2.7				2.7	.3	.2			.5	1836
	15-17	2.6	3.0				3.0	.1	.1			.1	1827
	18-20	1.3	1.8				1.8	.2	.3			.4	1787
	21-23	.6	1.2				1.2	.3	.4		.1	.7	1787
TOTALS		1.6	2.7				2.7	.5	.3		.0	.8	14581

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-69,67-70 AUG  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.5	1.3				1.3	.3	.4			.8	1836
	03-05	1.2	1.9				1.9	.7	.5			1.1	1842
	06-08	1.2	2.4				2.4	2.1	1.4			3.0	1842
	09-11	.5	2.3				2.3	.2	.2			.4	1841
	12-14	.9	2.0				2.0	.2	.1			.3	1842
	15-17	2.6	2.3				2.3	.1	.2			.2	1832
	18-20	2.7	2.2				2.2	.1	.2			.3	1783
	21-23	1.8	2.8				2.8	.1	.5			.5	1777
TOTALS		1.4	2.2				2.2	.5	.4			.8	14595

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

03943      FT WOLTERS AAF TEX/MINERAL WELLS      49-69,67-70      SEP  
STATION      STATION NAME      YEARS      MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	1.5	4.9				4.9	1.2	.7			1.8	1770
	03-05	1.5	4.9				4.9	2.5	1.0			2.9	1776
	06-08	.7	4.2				4.2	7.2	1.3			7.6	1774
	09-11	.9	4.9				4.9	2.3	.6			2.6	1776
	12-14	1.5	3.9				3.9	.8	.3			1.1	1774
	15-17	2.0	4.4				4.4	.3	.3			.6	1764
	18-20	2.2	4.0				4.0	.9	.5			1.3	1730
	21-23	2.0	4.3				4.3	.8	.5			1.3	1726
TOTALS		1.5	4.4				4.4	2.0	.7			2.4	14090

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70 OCT  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
(ICT	00-02	1.0	4.3				4.3	2.9	.3			3.1	1863
	03-05	1.4	5.3		.1		5.3	5.1	.3			5.1	1904
	06-08	1.2	5.0				5.0	7.5	.6			7.6	1917
	09-11	1.0	5.5				5.5	3.9	.5			4.2	1915
	1. 14	.5	4.2				4.2	1.8	.3			2.0	1913
	15-17	.3	3.2				3.2	1.3	.3			1.5	1911
	18-20	1.1	4.4				4.4	2.0			.1	2.0	1844
	21-23	.8	4.1				4.1	2.3	.2			2.4	1821
TOTALS		.9	4.5		.0		4.5	3.4	.3		.0	3.5	15093

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

03943

STATION

FT WULTFRS AAF TEX/MINERAL WELLS

STATION NAME

49-70

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH ORST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.3	6.4	.1	.1		6.5	7.1			.1	7.2	1688
	03-05	.4	6.2	.2	.2		7.1	9.4				9.4	1760
	06-08	.5	6.6		.4		6.6	12.3	.3		.1	12.6	1816
	09-11	.7	6.2		.4		6.3	7.4	.1		.2	7.7	1816
	12-14	.5	5.8		.2		5.9	4.3			.4	4.7	1818
	15-17	.3	5.4		.2		5.5	3.8	.2		.6	4.5	1811
	18-20	.2	4.5		.1		4.5	3.6	.5		.5	4.3	1746
	21-23	.2	5.4				5.4	5.0	.3		.2	5.2	1707
TOTALS		.4	5.9	.0	.2		6.0	6.6	.2		.3	7.0	14162

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70 DEC  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.2	5.9	.4	.4		6.6	7.4			.6	8.0	1701
	03-05	.2	6.4	.4	.5		7.2	10.9	.1	.1	.4	11.4	1742
	06-08	.1	7.0	.6	.3		8.0	14.4	.2		.3	14.7	1844
	09-11		5.7	.5	.5		6.8	10.8	.6		.2	11.5	1851
	12-14	.1	5.1	.1	.6		5.7	6.6	.1		.6	7.2	1810
	15-17	.2	5.5	.3	.8		6.4	5.1			1.1	6.1	1778
	18-20	.2	5.7	.5	.7		6.7	6.0	.1		1.0	7.0	1712
	21-23	.2	5.1	.4	.3		5.7	5.8	.1		.6	6.6	1694
TOTALS		.2	5.8	.4	.5		6.6	8.4	.2	.0	.6	9.1	14132

## PART A

## ATMOSPHERIC PHENOMENA

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

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

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

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $\frac{1}{8}$  mile.





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ASHEVILLE, NORTH CAROLINA

## PART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

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### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65  
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	06-.10	11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-304	OVER 304					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	68.7	13.7	1.9	3.0	3.6	2.8	2.8	1.5	1.9					17.6	527	1.85	4.64	.08
FEB	65.4	11.7	3.7	4.4	3.1	6.2	2.7	2.1	.6					22.9	480	1.49	3.91	.08
MAR	72.9	9.3	1.9	4.7	1.3	4.9	2.3	2.3	.9					17.8	527	1.43	3.98	.30
APR	65.5	8.2	1.8	3.7	2.9	6.1	3.7	6.1	1.6	.4				26.2	510	3.22	9.66	.85
MAY	64.7	8.3	1.3	2.8	3.0	4.6	6.3	4.9	3.6	.4				26.9	527	4.45	15.73	.34
JUN	74.7	4.9	2.2	2.7	2.0	1.7	3.3	3.9	2.7	.2				20.8	510	2.84	8.67	.10
JUL	79.1	5.3	1.3	2.5	1.3	4.0	2.7	1.5	1.7	.4	.2			15.6	527	2.67	10.30	.06
AUG	79.7	4.4	1.3	2.5	2.5	3.6	1.9	2.1	2.1					15.9	527	1.94	4.08	.17
SEP	76.1	4.7	1.6	2.0	2.9	2.4	3.9	4.1	1.8	.6				19.2	810	2.82	7.39	.21
OCT	78.2	5.7	1.5	2.3	1.5	2.5	2.7	2.7	2.7	.2	.2			16.1	527	2.77	9.57	.01
NOV	73.9	9.0	.8	3.9	3.3	2.2	2.5	2.4	2.0					17.1	510	1.91	5.04	.00
DEC	75.5	7.6	1.7	4.0	3.0	2.5	2.5	2.5	.8					16.9	527	1.40	4.04	TRACE
ANNUAL	72.8	7.7	1.7	3.2	2.5	3.8	3.1	3.0	1.9	.2	.0			19.4	6209	28.79		





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**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
**SNOWFALL**  
 (FROM DAILY OBSERVATIONS)

03943  
 STATION

FT WALTERS AAF TEX/MINERAL WELLS 49-65  
 STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
	SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4			OVER 50.4		
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	92.2	5.1	.4	1.3	.6		.2	.2						2.7	527	1.3	8.0	.0
FEB	93.5	3.5	.6	1.7	.4		.2							2.9	480	1.0	6.0	.0
MAR	99.2	2.5	.2				.2							.4	527	.2	3.0	.0
APR	100.0														510	.0	.0	.0
MAY	100.0														527	.0	.0	.0
JUN	100.0														510	.0	.0	.0
JUL	100.0														527	.0	.0	.0
AUG	100.0														527	.0	.0	.0
SEP	100.0														510	.0	.0	.0
OCT	99.8	.2													527	TRACE	TRACE	.0
NOV	98.6	1.2	.2											.2	510	TRACE	.5	.0
DEC	97.2	2.1	.2	.6										.8	527	.2	1.1	.0
ANNUAL	96.2	1.2	.1	.3	.1	.0	.0	.0						.6	6209	2.7	×	×















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ASHEVILLE, NORTH CAROLINA

## 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 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "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 direction and speed, and in addition the mean wind speed 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 VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: 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.



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**EXTREME VALUES**

**SURFACE WINDS**  
 (FROM DAILY OBSERVATIONS)

03943 STATION FT WOLTERS AAF TEX/MINERAL WELLS 67-70 YEARS

DAILY PEAK GUSTS IN KNOTS  
 (BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH)

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
66													WINDS DAYS
67	0	0	0	0	NNW 35 23	33ESE 25W 24	27W 16	28W 26	28W 23	30W 26	34W 21	35W 17	WINDS DAYS
68	N 21	24NNW 31S 20	34S 15	30SSE 54W 20	30SSE 54W 24	30SSE 54W 22	30SSE 54W 25	30SSE 54W 26	35SSE 51W 24	29SSE 51W 26	35SSE 51W 19	42SSE 51W 16	WINDS DAYS
69	33 18	43 20	30 19	46 20	27 19	44 20	21 20	32 22	29 23	29 24	31 18	35 18	WINDS DAYS
70	36 22	40 19	35 21	47 21	34 20	51 22	15 22	59 22	33 21	43 21	19 22	26 14	WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943      FT WALTERS AAF TEX/MINERAL WELLS      49-70      ALL  
STATION      STATION NAME      YEARS      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	.4	1.6	2.3	1.8	.4	.1	.0					6.7	9.4
NNE	.4	1.3	1.6	.8	.1	.0	.0					4.2	8.1
NE	.5	1.3	1.3	.4	.1	.0	.0			.0		3.6	7.0
ENE	.3	.8	.9	.3	.0	.0						2.4	7.2
E	.3	1.0	1.2	.4	.0	.0	.0					3.0	7.3
ESE	.3	1.6	2.2	.8	.1	.0	.0	.0				5.0	8.0
SE	.5	4.2	9.6	3.9	.6	.0	.0	.0				18.8	8.8
SSE	.4	1.9	5.4	3.1	1.4	.1	.0	.0				14.3	10.9
S	.5	1.7	3.3	3.8	1.6	.2	.0	.0				11.1	11.3
SSW	.2	.6	1.1	1.5	.6	.1	.0					4.1	11.4
SW	.3	.7	.9	.7	.2	.0	.0	.0				2.9	9.2
WSW	.2	.7	.6	.4	.2	.0	.0	.0				2.1	9.0
W	.4	.9	.7	.4	.2	.0	.0	.0				2.7	8.3
WNW	.1	.5	.6	.5	.2	.0	.0	.0				1.9	9.8
NW	.3	.8	1.2	1.0	.3	.0	.0	.0				3.6	9.6
NNW	.2	.8	1.5	1.7	.6	.1	.0	.0				4.9	11.0
VARBL													
CALM												8.8	
	5.5	20.4	34.4	23.4	6.5	.9	.1	.0		.0		100.0	8.7

TOTAL NUMBER OF OBSERVATIONS      171348

DATA PROCESSING DIVISION  
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 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JAN  
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	.6	2.0	3.9	2.7	.8	.1						10.0	9.7
NNE	.4	1.2	1.6	.5	.1							3.8	7.7
NE	.3	1.0	.8	.2	.0							2.3	6.6
ENE	.3	.5	.4	.1	.0							1.3	6.3
E	.2	.7	.6	.2	.0	.0						1.8	7.4
ESE	.3	1.1	1.8	.4	.0							3.6	7.3
SE	.5	3.0	8.3	3.1	.3	.0						15.2	8.7
SSE	.3	1.7	4.6	2.9	.4	.1						9.8	9.7
S	.3	1.3	2.4	2.4	.8	.3	.0					7.6	11.0
SSW	.2	.6	.9	1.3	.8	.1	.0					3.9	12.0
SW	.4	.8	.9	1.0	.5	.1						3.8	10.1
WSW	.3	1.0	.7	.5	.2	.1	.0					2.8	8.8
W	.5	1.3	1.0	.6	.3	.1						3.7	8.4
WNW	.2	.4	.8	1.0	.2	.1						3.1	9.3
NW	.4	1.2	2.0	1.9	.6	.1						6.2	10.0
NNW	.3	1.2	3.3	3.9	1.4	.2	.0					10.3	11.6
VARBL													
CALM												10.6	
	5.2	19.4	34.1	22.7	6.4	1.2	.0					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 14081



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

STATION 02943 STATION NAME FT WOLTERS AAF TEX/MINERAL WELLS YEARS 49-65, 67-70 MONTH FEB  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.2	3.3	3.0	.9	.2	.0					9.9	10.3
NNE	.4	1.4	1.9	.8	.1	.0						4.7	8.1
NE	.6	1.5	1.2	.2	.0							3.5	6.3
ENE	.1	.8	1.0	.2								2.2	6.8
E	.2	.8	1.0	.4	.0							2.4	7.4
ESE	.3	1.1	2.1	1.1	.1							4.7	8.7
SE	.4	2.7	7.1	3.8	.9	.0	.0					14.6	9.4
SSE	.3	1.3	3.2	3.3	1.0	.1	.0					9.2	11.0
S	.5	1.1	2.3	2.2	1.0	.4	.0					7.5	11.4
SSW	.3	.5	.7	1.1	.6	.2						3.4	11.7
SW	.2	1.0	1.0	1.0	.5	.1	.0					3.8	10.2
WSW	.3	1.0	.8	.8	.2	.2	.1	.0				3.3	10.1
W	.4	1.2	1.3	.8	.3	.1	.0	.0				4.1	9.1
WNW	.2	.8	1.1	.9	.3	.1	.0					3.4	9.8
NW	.5	1.3	2.2	1.9	.5	.0	.0	.0				6.4	9.6
NNW	.3	1.2	2.4	3.4	1.2	.2	.0					8.7	11.6
VARBL													
CALM												8.2	
	5.6	19.6	32.6	24.9	7.2	1.6	.2	.0				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 13207

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAR  
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	.4	1.7	2.7	3.4	.9	.1	.0					9.2	10.7
NNE	.3	1.2	1.8	1.3	.2	.0	.0					4.8	9.0
NE	.4	1.3	1.1	.6	.0							3.5	7.4
ENE	.2	.8	1.1	.3	.0							2.3	7.5
E	.3	.8	1.2	.3	.0							2.6	7.4
ESE	.2	1.2	2.2	1.1	.1	.0						4.8	8.8
SE	.2	1.4	6.6	4.9	1.0	.1	.0					14.8	10.3
SSE	.2	.9	3.9	5.1	2.1	.3	.0					12.6	12.3
S	.3	.9	2.1	3.1	2.6	.6	.0	.0				9.6	13.3
SSW	.1	.4	.6	1.3	.9	.1	.0					3.5	13.2
SW	.3	.6	.9	1.0	.3	.1	.0					3.3	10.7
WSW	.1	.6	.8	.9	.6	.2	.1	.0				3.4	12.2
W	.4	.9	.8	1.0	.6	.3	.1	.0				4.1	11.8
WNW	.1	.5	.8	1.0	.3	.2	.0					3.0	12.3
NW	.3	.9	1.6	1.9	.7	.2						5.6	11.3
NNW	.4	.7	1.8	2.9	1.4	.3	.1					7.4	12.9
VARBL													
CALM												5.6	
	3.9	15.2	30.1	30.1	12.2	2.4	.4	.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 14479

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (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	.2	1.5	2.6	2.4	.5	.1	.0					7.4	10.2
NNE	.4	1.3	1.7	1.3	.3	.0						5.0	9.2
NE	.2	1.1	1.5	.8	.1	.0						3.9	7.9
ENE	.3	.9	1.1	.6	.1							2.9	8.0
E	.2	.9	1.5	.6	.1	.0						3.3	8.3
ESE	.1	.8	1.8	1.3	.3	.0	.0					4.3	10.0
SE	.2	1.9	6.6	6.0	1.2	.0	.0	.0				15.9	10.7
SSE	.2	.9	4.2	7.1	3.6	.5	.1	.0				16.7	13.2
S	.2	1.1	2.6	4.6	2.7	.6	.1					11.9	13.2
SSW	.1	.4	.8	1.7	.9	.2	.0					4.2	13.0
SW	.2	.7	.8	.7	.2	.1	.0					2.7	10.2
WSW	.2	.5	.7	.7	.2	.1	.0					2.3	10.6
W	.3	.7	.9	.8	.3	.1	.0					3.0	9.6
WNW	.1	.4	.5	.7	.4	.1	.0					2.2	11.9
NW	.2	.9	1.2	1.3	.5	.1						4.2	10.6
NNW	.2	.8	1.4	1.6	.8	.2	.0	.0				5.0	11.7
VARBL													
CALM												5.0	
	3.7	14.7	30.1	32.1	12.1	2.0	.3	.0				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 14196

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAY  
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	.5	1.1	1.6	1.0	.3	.1						4.5	9.0
NNE	.4	1.1	1.6	.8	.2	.0						4.1	8.4
NE	.4	1.3	1.3	.5	.2							3.7	7.6
ENE	.3	.9	1.0	.3	.1							2.3	7.3
E	.2	1.0	1.2	.4	.0		.0					3.0	7.9
ESE	.2	1.2	2.1	1.1	.2	.0						4.9	8.7
SE	.4	3.3	9.2	5.3	1.2	.1						19.5	9.9
SSE	.4	1.6	6.0	9.6	3.8	.5	.0					21.8	12.6
S	.5	1.6	3.9	5.4	2.8	.3	.0					14.6	12.2
SSW	.1	.6	.9	1.4	.6	.1	.0					3.9	11.9
SW	.2	.5	.6	.5	.0							1.9	8.4
WSW	.2	.4	.5	.2	.1	.0						1.4	8.0
W	.4	.5	.5	.3	.1	.0						1.8	8.0
WNW	.2	.3	.3	.3	.0			.0				1.2	8.7
NW	.2	.7	.7	.4	.1		.0					2.1	8.2
NNW	.2	.3	.9	.7	.2	.0	.0					2.6	9.5
VARBL												6.6	
CALM													
	4.8	16.8	32.5	28.2	9.7	1.2	.1	.0				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 14579

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
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	.2	.9	1.0	.9	.1	.0	.0					2.7	7.8
NNE	.2	.9	1.1	.3	.1	.0						2.6	7.7
NE	.3	1.2	1.1	.3	.1	.0	.0					3.0	7.3
ENE	.3	1.0	.9	.4	.0							2.6	7.5
E	.3	1.1	1.4	.5	.0							3.4	7.5
ESE	.3	1.7	2.9	1.1	.1	.0						6.1	8.2
SE	.5	4.3	10.6	5.4	1.0							21.8	9.4
SSE	.6	2.3	6.8	9.0	2.7	.1						21.5	11.5
S	.6	1.7	4.8	7.6	2.9	.3	.0					18.1	12.2
SSW	.2	.6	1.4	2.0	.9	.1						5.1	12.0
SW	.2	.6	.7	.4	.1	.0	.0					2.1	8.9
WSW	.2	.3	.4	.1	.0	.0	.0					1.1	7.6
W	.1	.5	.3	.1	.0							1.0	7.2
WNW	.0	.2	.3	.1	.0							.8	8.5
NW	.1	.4	.4	.3	.1							1.2	8.8
NNW	.1	.3	.4	.3	.0	.0		.0				1.3	8.8
VAR'BL													
CALM												5.7	
	4.3	18.0	34.5	28.6	8.2	.7	.1	.0				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 14163

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
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	.7	.6	.3	.0	.0	.0					1.9	7.3
NNE	.3	1.0	1.2	.4	.1							3.0	7.9
NE	.3	1.3	1.4	.4	.1							3.7	7.1
ENE	.3	.9	1.2	.3	.1	.0						3.0	7.8
E	.0	1.3	1.7	.6	.1							4.3	7.4
ESE	.4	2.3	2.4	.8	.1							6.0	7.5
SE	.6	6.9	12.7	3.7	.4							24.4	8.2
SSE	.6	3.1	7.9	5.9	1.0	.0						18.9	9.9
S	.7	2.9	4.7	5.2	1.6	.1	.0					19.1	10.4
SSW	.2	1.0	2.4	2.2	.6	.0						6.3	10.4
SW	.2	.8	1.6	.9	.1							3.3	8.6
WSW	.1	.4	.6	.2	.0							1.3	7.4
W	.1	.4	.3	.1	.0							1.0	6.7
WNW	.1	.2	.2	.1	.0							.5	7.0
NW	.1	.3	.2	.0	.0							.6	6.4
NNW	.1	.2	.3	.1	.0							.7	7.3
VARBL													
CALM												6.1	
	5.3	23.6	32.4	21.3	4.1	.2	.0					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 14580

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

AUG  
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	.4	1.1	.9	.5	.1							3.0	7.4
NNE	.3	1.2	1.5	.5	.0							3.6	7.6
NE	.6	1.6	1.6	.4	.0					.0		4.3	7.0
ENE	.4	1.0	1.0	.3	.0	.0						2.8	7.0
E	.4	1.6	1.6	.4	.1							4.1	7.1
ESE	.5	2.9	3.5	1.0	.0	.0		.0				7.9	7.4
SE	.9	7.6	14.0	3.3	.2	.0						26.0	7.8
SSE	.6	3.1	7.0	3.9	.5	.0						15.1	9.1
S	.8	2.7	4.3	3.2	.7	.0						11.8	9.3
SSW	.2	1.1	1.8	1.4	.3	.0						4.9	9.7
SW	.3	.9	1.3	.6	.0			.0				3.1	8.1
WSW	.2	.6	.5	.2	.0		.0					1.6	7.1
W	.2	.5	.5	.1	.0							1.2	6.5
WNW	.1	.2	.2	.0	.0							.5	6.4
NW	.2	.3	.1	.1								.6	5.6
NNW	.1	.2	.4	.2	.0	.0						1.3	8.5
VARBL													
CALM												8.0	
	6.2	26.8	40.4	16.4	2.1	.2	.0	.0		.0		100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 14504

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
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	.7	1.8	2.2	1.0	.1							5.8	7.7
NNE	.5	1.9	2.2	1.2	.1	.0						5.8	7.9
NE	.9	2.2	2.1	.7	.1	.0						6.0	6.9
ENE	.5	1.3	1.5	.4	.0	.0						3.8	7.0
E	.6	1.7	2.0	.5	.0	.0	.0					5.0	7.0
ESE	.4	3.0	2.7	.8	.1							6.9	7.2
SE	.9	7.0	11.3	3.2	.2	.0						22.5	7.9
SSE	.4	2.0	5.0	3.6	.9	.0						11.5	9.7
S	.6	1.8	3.2	2.8	.8	.0						9.2	9.9
SSW	.2	.6	1.1	1.1	.4	.0	.0					3.5	10.7
SW	.3	.5	.7	.4	.1							1.9	7.8
WSW	.2	.3	.4	.1	.0							1.0	6.4
W	.4	.6	.3	.1	.0	.0						1.4	5.7
WNW	.1	.3	.2	.2	.1							.8	8.0
NW	.4	.6	.5	.2								1.7	6.6
NNW	.2	.8	.9	.4	.1	.0						2.3	7.9
VARBL													
CALM												10.9	
	7.3	20.2	36.3	16.6	2.4	.2	.0					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 14092



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

OCT  
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	.6	2.2	3.0	2.0	.3	.0	.0					8.1	8.8
NNE	.5	1.5	1.7	1.0	.1							4.7	7.9
NE	.6	1.3	1.1	.3	.0							3.3	6.4
ENE	.4	.7	.7	.1	.0							1.9	6.3
E	.4	.9	.9	.2	.0							2.4	6.5
ESE	.3	1.5	2.0	.5	.0							4.4	7.9
SE	.7	3.5	10.9	2.7	.4							20.2	8.1
SSE	.5	2.1	6.0	4.0	.9	.0						13.4	9.9
S	.9	2.1	3.4	3.3	1.0	.1						10.4	10.2
SSW	.2	.6	.9	1.1	.3	.0	.0					3.2	10.1
SW	.4	.4	.6	.4	.1	.0						2.0	7.6
WSW	.3	.7	.4	.2	.0							1.6	6.6
W	.6	1.0	.4	.1	.0							2.2	5.9
WNW	.2	.5	.6	.4	.2	.0						1.8	9.3
NW	.4	.7	1.0	.7	.1							2.9	8.5
NNW	.3	1.1	1.7	1.3	.4							4.8	9.3
VARBL													
CALM												12.7	
	6.7	23.2	35.3	18.1	3.9	.2	.0					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS **15086**

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WDLTERS AAF TEX/MINERAL HELLS  
STATION NAME

49-70  
YEARS

NOV  
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 - 53	≥ 56	%	MEAN WIND SPEED
N	.5	2.1	3.1	2.4	.7	.1						8.9	9.6
NNE	.5	1.3	1.5	.9	.1	.0	.0					4.3	8.1
NE	.5	.9	.7	.3	.0							2.4	6.6
ENE	.3	.7	.6	.1								1.8	6.2
E	.3	.8	.6	.1	.0		.0					1.7	6.4
ESE	.3	1.2	1.5	.3	.1							3.4	7.2
SE	.6	3.6	4.8	2.5	.1	.0						15.5	8.4
SSE	.3	1.6	4.5	3.4	.5	.0						10.4	9.9
S	.3	1.6	3.4	3.1	1.1	.1	.0					9.5	10.7
SSW	.2	.6	.9	1.4	.6	.1						3.8	11.2
SW	.3	.8	.9	.7	.2	.1	.0					3.1	9.2
WSW	.2	.9	.7	.5	.2	.0	.0	.0				2.6	8.5
W	.7	1.6	.9	.5	.1	.1	.0					3.9	7.2
WNW	.3	.9	.8	.6	.2	.0						2.7	8.6
NW	.3	1.4	1.9	1.2	.2	.0						5.1	9.0
NNW	.4	1.1	2.0	2.5	.8	.1	.0	.0				7.1	11.0
VARBL													
CALM												13.8	
	6.1	21.1	32.9	20.5	5.0	.6	.1	.0				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

14162

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.6	2.1	3.0	1.5	.6	.1	.0					8.8	9.5
NNE	.3	1.2	1.7	.6	.0							3.8	7.7
NE	.4	1.0	1.2	.4								3.0	7.0
ENE	.1	.4	.3	.1								1.0	6.6
E	.2	.7	.5	.1	.0		.0					1.5	6.5
ESE	.3	1.0	1.4	.3	.0							3.1	7.4
SE	.4	3.0	8.1	3.1	.3	.0						15.0	8.8
SSE	.4	1.8	4.7	3.0	.4	.0	.0					10.5	9.5
S	.6	1.4	2.7	2.3	.7	.1						7.7	10.0
SSW	.2	.7	1.1	1.4	.5	.1						3.9	11.2
SW	.4	1.0	1.0	.9	.3	.1	.0					3.6	9.1
WSW	.4	1.1	.9	.6	.2	.1	.0	.0				3.3	8.8
W	.6	1.7	1.5	.7	.3	.0	.0					4.8	7.7
WNW	.2	.8	1.2	.8	.4	.1						3.5	9.9
NW	.6	1.3	2.1	2.1	.6	.1	.0					6.7	9.9
NNW	.4	1.2	2.5	2.8	.7	.1	.0					7.7	10.8
VARBL													
CALM												12.0	
	6.1	20.5	33.9	21.7	5.0	.7	.1	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 14129

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
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	.9	1.6	4.0	1.9	.6	.1						9.0	8.9
NNE	.4	1.3	1.3	.2	.2							3.8	6.7
NE	.3	1.1	.6	.1								2.1	6.0
ENE	.4	.5	.5	.1								1.4	6.0
E	.5	.6	.5	.2								1.7	6.0
ESE	.4	1.1	2.1	.3								4.6	6.8
SE	.7	3.9	10.5	3.2	.2							18.5	8.4
SSE	.4	1.5	4.9	2.5	.4							9.6	9.6
S	.2	1.6	1.8	1.6	.2							5.9	9.0
SSW	.2	.4	.5	.6	.2							1.9	10.0
SW	.3	1.2	.5	.3	.2							2.5	7.7
WSW	.4	1.2	.3	.3								2.1	6.1
W	.8	1.3	.6	.6								3.2	6.5
WNW	.2	.9	.6	.8	.1							2.6	8.2
NW	.5	.7	2.3	1.3	.8							5.6	10.1
NNW	.3	1.2	2.8	3.5	1.2	.1						9.0	11.2
VARBL													
CALM												16.8	
	7.0	20.8	33.8	17.5	4.0	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1705

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943 STATION      FT WOLTERS AAF TEX/MINERAL WELLS STATION NAME      49-65,67-70 YEARS      JAN MONTH  
ALL WEATHER CLASS      0300-0500 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.8	4.2	2.6	.6	.1						9.5	9.7
NNE	.6	1.1	1.2	.4	.1							3.4	7.0
NE	.9	.9	.6	.1								2.5	5.2
ENE	.4	.5	.3	.2	.1							1.5	6.9
E	.4	1.1	.5	.1								2.1	5.6
ESE	.4	1.4	2.1	.3								4.2	7.0
SE	.5	3.9	9.8	2.6	.2							17.0	8.4
SSE	.2	2.3	3.9	1.5	.5							8.5	8.7
S	.6	1.4	1.4	1.3	.4							5.1	8.9
SSW	.3	.2	1.1	.4	.2							2.2	8.7
SW	.2	.8	.6	.5	.1							2.2	7.9
WSW	.6	1.3	.4	.3	.2		.1					2.9	7.2
W	.2	1.0	.9	.4								3.2	6.5
WNW	.2	.7	.6	1.3	.1							2.8	9.9
NW	.4	1.7	1.4	1.9	.3							5.7	9.3
NNW	.4	.9	3.8	3.2	1.0	.2						9.6	11.1
VARBL													
CALM												17.6	
	7.3	21.1	32.8	17.2	3.7	.2	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1797

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JAN  
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	.6	1.2	3.5	1.7	.8	.1						8.0	9.5
NNE	.4	1.2	1.4	.4	.1							3.6	7.5
NE	.4	1.1	.7	.4								2.6	6.6
ENE	.3	.5	.2	.1								1.1	5.1
E	.3	.7	.3	.2	.1							1.4	6.7
ESE	.3	1.1	1.9	.1								3.3	6.8
SE	.8	4.3	10.8	2.7	.1							18.7	8.3
SSE	.4	1.7	5.1	1.4	.2							8.8	8.5
S	.4	1.6	1.4	.9	.3							4.6	8.3
SSW		.8	.8	.4	.2							1.9	8.4
SW	.3	.6	.8	.4	.4							2.4	7.2
WSW	.5	1.2	.9	.3	.1							2.6	6.6
W	.6	2.1	.7	.3	.1	.1						3.8	6.4
WNW	.1	1.1	.8	.9	.3							3.3	9.7
NW	.6	1.8	2.4	1.8	.9	.1						7.2	9.2
NNW	.2	1.0	4.1	4.1	1.2	.2						10.8	11.4
VARBL													
CALM												15.7	
	6.8	22.0	35.3	16.1	3.9	.4						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1798

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JAN  
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	1.5	2.9	3.7	1.1	.2						9.8	10.7
NNE	.3	.8	1.4	.7	.2							3.4	8.9
NE		.7	1.2	.4								2.3	8.2
ENE	.1	.4	.3	.2	.1							1.1	8.2
E		.4	.5	.3	.1							1.3	9.0
ESE	.2	.6	1.1	.4	.1							2.3	8.2
SE	.4	2.3	6.6	3.3	.4	.1						13.1	9.3
SSE	.1	1.7	3.6	3.0	.4	.2						11.0	9.9
S	.5	1.3	3.0	1.9	1.0	.6						8.3	11.0
SSW	.2	.4	1.2	1.3	.5	.1						3.6	11.4
SW	.4	.9	1.6	1.7	.9	.2						5.8	11.2
WSW		1.1	1.3	1.3	.5							4.2	10.3
W	.5	2.2	1.4	.8	.6	.1						5.6	8.6
WNW	.3	.8	.6	1.0	.1	.2						2.9	9.8
NW	.2	1.1	2.5	2.5	.5	.2						7.0	10.9
NNW	.3	1.3	3.0	4.2	1.8	.3	.1					11.0	12.2
VARBL													
CALM												7.1	
	4.2	17.0	34.0	26.5	6.2	2.2	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

1797

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JAN  
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	48-53	≥56	%	MEAN WIND SPEED
N	.3	1.4	3.0	3.4	1.2	.1						9.3	10.9
NNE	.1	.7	2.0	.4	.3							3.6	9.1
NE	.1	.4	.8	.4								1.8	8.1
ENE	.2	.2	.3									.7	5.5
E	.1	.2	.4	.4	.1							1.2	10.0
ESE	.1	.6	.9	.7								2.3	8.6
SE	.2	.9	3.7	2.4	.3							7.5	9.8
SSE	.1	1.3	2.6	2.7	.6	.1						7.4	10.9
S	.4	1.2	3.1	3.7	1.8	1.2	.2					11.7	13.1
SSW	.1	.8	1.5	3.1	2.9	.7	.1					9.2	14.6
SW	.2	1.2	2.0	2.9	1.7	.3						8.3	12.2
WSW	.1	1.1	1.3	1.1	.3	.2						4.3	10.9
W	.1	1.0	1.8	1.6	.9	.2						5.6	11.3
WNW	.1	1.0	1.3	1.8	.4	.3						5.1	11.2
NW	.1	1.1	2.3	2.4	.9	.2						7.0	11.4
NNW	.1	1.2	3.2	4.9	2.2	.4						12.0	12.5
VARBL													
CALM												3.0	
	2.5	14.4	30.5	31.9	13.7	3.7	.3					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

1791



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 02943 STATION NAME FT WALTERS AAF TEX/MINERAL WELLS YEARS 49-65,67-70 MONTH JAN  
 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	.3	1.9	4.7	3.3	1.1	.2						11.5	10.6
NNE	.5	.7	1.9	.6	.2							3.8	8.3
NE	.2	.8	.5	.3								1.9	6.8
ENE	.1	.6	.5	.1								1.1	6.2
E	.2	.3	1.0	.3		.1						1.9	9.0
ESE	.3	.5	1.8	.6	.1							3.3	8.6
SE	.2	1.9	4.1	2.8	.3							8.8	9.4
SSE	.2	1.2	3.2	2.8	.4	.2						8.0	10.7
S	.2	1.1	4.1	4.8	2.0	.8						13.0	12.6
SSW	.4	.7	1.7	3.7	2.1	.3						8.8	13.1
SW	.3	.5	1.1	1.9	.8	.2						4.8	11.8
WSW	.2	.9	1.0	.9	.2	.4						3.6	10.8
W	.5	.9	1.5	.9	.6	.1						4.5	9.8
WNW	.2	.5	1.2	1.3	.2							3.5	9.9
NW	.3	1.0	2.1	2.7	1.0	.1						7.2	11.2
NNW	.3	1.0	2.5	4.3	1.9	.2						11.2	11.9
VARBL													
CALM												3.0	
	4.6	14.0	33.8	31.3	10.8	2.5						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 1768

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JAN  
MONTH

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	.4	3.6	5.2	2.3	.5	.2						12.5	8.6
NNE	.5	1.7	1.7	.8								4.3	7.1
NE	.5	1.3	.9	.1	.1							2.8	6.3
ENE	.2	.8	1.0									2.0	6.5
E	.1	1.0	1.2	.3		.1						2.8	7.7
ESE	.3	1.6	2.0	.5	.1							4.3	7.5
SE	.6	4.2	8.9	3.5	.2							17.4	8.5
SSE	.2	1.8	6.3	4.3	.3							12.8	9.9
S	.2	1.2	2.8	3.0	.3							7.4	9.9
SSW	.1	.8	.8	.3	.1							2.1	8.5
SW	.8	.8	.3	.1	.1	.1						2.1	6.4
WSW	.2	.7	.2	.2								1.3	6.3
W	.2	.5	.4	.1								1.2	6.1
WNW	.2	.9	.7	.5	.1							2.4	8.0
NW	.6	1.7	1.9	1.1	.3							5.4	8.1
NNW	.2	1.6	3.0	3.5	1.4							9.8	11.2
VARBL													
CALM												9.0	
	5.6	24.4	37.3	20.1	3.2	.5						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 1725



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	2.8	3.0	2.0	.6							9.1	8.7
NNE	.9	1.5	1.7	1.1	.2	.1						3.5	8.1
NE	.7	1.1	.9	.1								2.7	5.8
ENE	.4	.8	.7	.1								2.1	5.9
E	.2	.9	.6	.1								1.9	6.6
ESE	.2	1.1	1.9	.4	.1							3.7	7.7
SE	.8	4.2	10.7	5.0	.3	.1						21.1	8.8
SSE	.4	1.3	3.6	3.2	.7	.1						9.6	10.2
S	.6	1.1	1.4	1.1	.6	.1						4.8	9.3
SSW	.1	.4	.4	.6	.3	.1						1.8	10.6
SW	.4	.9	.7	.4	.4	.1						2.9	8.7
WSW	.4	1.1	1.0	.4	.1	.1						3.0	7.7
W	.4	1.4	1.3	.6	.2							3.8	8.1
WNW	.4	.7	.9	.4	.1							2.6	7.5
NW	.8	1.4	1.3	1.0	.4		.1					5.0	8.5
NNW	.6	1.3	1.7	2.2	.6	.1						6.5	10.2
VARBL												13.8	
CALM													
	8.2	22.3	31.9	18.6	4.7	.3	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1613

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.7	2.3	2.2	.8	.1						8.6	9.1
NNE	.4	1.6	1.4	.5	.2							4.1	7.6
NE	.9	1.8	.9	.2								3.8	5.5
ENE	.5	.8	.7	.1								2.1	5.6
E	.4	.5	.7	.3								1.9	6.8
ESE	.4	1.7	2.2	.9								5.1	7.7
SE	.4	3.7	8.9	3.7	.2							16.9	8.4
SSE	.4	2.3	3.8	2.0	.9							9.0	9.0
S	.8	1.0	1.3	1.4	.2							4.7	8.7
SSW	.6	.5	.3	.2	.1							1.9	6.9
SW	.4	1.1	.6	.2	.4	.1						2.9	8.6
WSW	.7	1.4	.7	.7								3.4	6.7
W	.4	1.4	.7	.9	.2							4.1	7.3
WNW	.4	1.2	1.1	.6	.2							2.5	8.3
NW	.7	1.5	2.0	1.5	.4	.1						6.1	8.9
NNW	.2	1.1	2.3	2.9	1.0	.1						7.7	11.3
VARBL													
CALM												14.1	
	8.7	24.4	29.8	18.4	4.1	.4						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1670

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

02943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

FEB  
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	.5	1.9	2.0	2.6	.8	.1						8.0	10.4
NNE	.5	1.4	1.3	.5								3.8	6.7
NE	.7	1.6	1.3	.1								3.7	5.9
ENE	.4	.7	.4	.2								1.7	6.0
E	.5	.9	.7	.3								2.5	6.3
ESE	.1	1.3	1.7	.9	.2							4.2	9.0
SE	.6	4.1	8.4	4.1	.2							17.6	8.6
SSE	.6	1.4	2.9	1.6	.2							6.8	9.0
S	.4	1.4	2.2	.6	.1							4.7	7.8
SSW	.6	.4	.5	.3								1.7	6.3
SW	.5	.5	.5	.5	.1							2.0	7.4
WSW	.5	1.7	.6	.5	.2							3.7	7.3
W	.8	1.6	2.2	.8	.5	.1						6.1	8.4
WNW	.3	1.1	1.2	.6	.2							3.5	8.3
NW	.5	1.6	2.5	1.7	.2	.1						6.6	9.1
NNW	.4	1.4	3.0	2.9	1.1	.2						9.0	11.0
VARBL													
CALM												14.7	
	8.0	23.0	31.5	18.3	4.1	.5						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1669

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

FEB  
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	.2	1.5	3.1	4.0	1.2	.3						10.4	11.5
NNE	.1	.9	1.4	.9	.1							3.4	9.4
NE	.2	1.0	1.7	.6								3.3	7.9
ENE	.2	.7	1.1	.2								2.2	7.2
E	.2	.8	1.0	.3								2.5	7.7
ESE	.2	.4	2.1	1.4	.1							4.2	9.7
SE	.1	2.5	4.7	3.4	.9							11.6	10.0
SSE	.2	1.1	3.1	3.3	1.0	.1						9.1	11.4
S	.7	1.3	2.7	2.6	1.0	.3	.1					8.9	11.1
SSW	.4	.4	1.1	1.1	.8	.2						4.0	12.0
SW	.2	1.2	1.4	1.7	.3		.1					5.1	10.3
WSW	.2	.5	1.0	.8	.4	.2	.1					3.2	11.0
W	.4	1.0	1.1	1.0	.4	.2	.1					4.6	9.4
WNW	.1	.3	1.5	1.0	.7	.1						3.9	11.3
NW	.1	1.5	3.4	2.8	.7	.1	.1	.1				8.6	10.6
NNW	.1	1.2	2.3	4.7	1.2	.4	.1					10.1	12.4
VARBL													
CALM												4.7	
	3.6	17.4	32.7	30.2	8.4	2.1	.4	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 1671





DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	3.2	4.4	1.3	.2	.1					10.3	12.2
NNE	.2	1.0	2.4	1.1	.2							4.9	9.2
NE	.3	.7	1.2	.2	.1							2.6	7.7
ENE	.1	.4	1.3	.1								1.9	7.7
E	.1	.3	1.2	.4								2.4	9.1
ESE	.4	.7	2.6	1.7	.3							5.6	9.7
SE	.2	.9	2.9	3.7	.9							8.2	10.9
SSE	.2	1.0	1.6	3.4	1.7	.3	.1					8.2	13.1
S	.4	1.3	2.4	4.0	2.1	1.1	.1					11.2	13.3
SSW	.2	.7	.7	2.9	1.9	.6						6.6	14.2
SW	.1	1.0	1.5	1.8	1.0	.1						5.4	11.9
WSW	.1	1.1	.9	1.3	.7	.3	.1					4.3	12.4
W	.2	.5	1.9	1.2	.4	.1	.2					4.4	11.2
WNW	.1	.7	1.6	1.7	.2	.1						4.3	11.0
NW	.2	.9	2.5	2.0	.5	.1						6.1	10.9
NNW	.2	1.0	2.6	5.5	1.8	.3						11.4	12.9
VARBL													
CALM												1.7	
	2.8	13.2	30.6	35.7	12.3	3.1	.5					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 1664

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

FEB  
MONTH

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	.7	3.2	4.6	2.5	.7	.2						11.9	9.1
NNE	.6	1.6	2.1	1.0	.1							5.1	8.1
NE	.6	2.8	1.6	.1								4.8	5.7
ENE	.2	1.0	1.6	.1								2.9	6.8
E	.2	1.4	1.9	.2	.1							3.9	7.2
ESE	.4	1.3	2.9	1.0	.2							5.8	8.3
SE	.2	2.1	8.0	2.9	.5	.1						13.8	9.5
SSE		.9	5.1	4.2	1.1	.2						11.6	11.5
S	.1	1.0	4.1	2.7	1.0	.1						9.1	11.0
SSW	.2	.7	1.0	.5	.1							2.5	8.5
SW	.1	.7	.9	.6	.2							2.6	9.0
WSW	.1	.6	.4	.4		.1	.1					1.7	10.1
W	.2	.8	.4	.2	.1							1.7	7.6
WNW	.1	1.0	.7	.3	.2	.2	.1					2.6	9.9
NW	.9	1.3	2.2	1.5	.3							6.3	8.5
NNW	.4	1.5	2.7	2.1	1.1	.1						7.9	10.3
VARBL													
CALM												5.8	
	4.8	22.1	40.0	20.4	5.8	1.0	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1635

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 03943 STATION NAME FT WALTERS AAF TEX/MINEHALL WELLS YEARS 49-69,67-70 MONTH FEB

CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.0	5.1	2.2	.4	.1						11.2	8.8
NNE	.5	2.4	2.5	.6	.1	.1						6.3	7.2
NE	.7	2.5	1.5	.2								4.9	5.8
ENE	.2	1.2	1.2	.1								2.8	6.9
E	.1	.7	1.1	.5	.1							2.5	8.2
ESE	.3	1.5	2.0	1.1	.1							5.0	8.0
SE	.7	2.8	10.9	4.7	.6	.1	.1					19.8	9.6
SSE	.4	1.2	3.9	5.3	1.1							11.8	10.9
S	.4	.9	2.4	.5	.8	.2						6.1	10.6
SSW	.2	.5	.4	.1	.1							1.2	7.3
SW	.2	1.2	.7		.2	.1						2.4	7.6
WSW	.2	.7	.8	.6	.1							2.4	8.2
W	.4	1.1	.4	.1	.2		.1	.1				2.5	8.4
WNW	.3	.8	.4	.4	.1							2.0	7.2
NW	.5	.9	1.6	1.4	.2							4.5	9.2
NNW	.4	1.0	1.4	2.1	.7							5.6	10.7
VARBL													
CALM												8.9	
	5.9	22.4	36.5	20.8	4.8	.6	.1	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1614

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

03943 STATION FT WOLTERS AAF TEX/MINERAL WELLS STATION NAME 49-65,67-70 YEARS MAR MONTH  
 ALL WEATHER CLASS 0000-0200 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	2.0	2.7	3.0	.5	.1						8.8	9.7
NNE	.5	1.8	1.6	1.3								5.2	8.0
NE	.6	1.8	.8	.7								3.9	6.7
ENE	.6	.9	.6	.1	.1							2.2	5.9
E	.2	1.2	.8	.2								2.4	6.7
ESE	.2	1.4	2.2	.7	.1							4.6	8.1
SE	.4	2.3	11.9	6.5	.6	.1						21.8	9.7
SSE	.2	1.5	4.9	5.4	1.5	.2						13.8	11.4
S	.2	1.0	1.0	2.3	1.4	.1						6.1	12.3
SSW	.1	.2	.2	.5	.2							1.1	11.7
SW	.5	.7	.4	.3		.1						1.9	6.8
WSW	.2	.7	1.1	.7	.3	.1						3.1	9.6
W	.7	.8	.7	.3	.1	.1						2.8	7.5
WNW	.1	.5	.5	.5	.4	.1						2.0	11.1
NW	.4	1.5	1.5	1.1	.3	.2						5.0	9.4
NNW	.3	.9	1.3	2.1	.7	.5	.1					5.7	12.0
VARBL													
CALM												9.6	
	5.7	19.1	32.2	25.8	6.1	1.5	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1757

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0100-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	3.3	3.0	.7	.1						9.1	10.2
NNE	.2	1.2	1.4	.3	.4							3.9	9.1
NE	.8	1.6	1.0	.3	.1							3.8	6.4
ENE	.3	.7	1.2	.1								2.3	6.8
E	.4	.9	.7	.2								2.2	6.6
ESE	.4	1.3	2.1	.4								4.3	7.5
SE	.1	2.6	10.1	4.9	.4	.1						18.2	9.5
SSE	.5	1.4	4.7	5.4	1.3	.3						13.5	11.1
S	.4	1.2	1.9	2.4	.6							6.5	10.1
SSW	.2	.4	.3	.8								1.7	9.2
SW	.4	.6	.7	.5	.1							2.2	8.1
WSW	.4	.9	.8	.5	.1	.1						2.6	8.6
W	.8	1.8	.7	.8	.1	.1						4.3	7.2
WNW	.2	.7	.5	1.3	.2	.1						2.9	10.5
NW	.4	.9	1.6	1.8	.4	.1						5.2	10.1
NNW	.2	.7	1.6	2.1	1.0	.4						5.9	13.0
VARBL													
CALM												11.3	
	6.1	18.0	32.7	25.4	5.3	1.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 1823

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAR  
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	.6	1.7	2.7	2.6	1.0	.2						8.8	10.3
NNE	.3	1.1	1.5	1.2	.2							4.3	8.8
NE	.3	1.0	1.1	.3	.1							2.9	7.0
ENE	.2	.3	1.2	.4								2.6	7.6
E	.2	.7	.7	.3								1.9	6.9
ESE	.2	1.2	1.6	.4								3.9	7.1
SE	.2	2.5	3.7	5.3	.8							17.9	9.7
SSE	.2	1.3	3.2	4.8	1.1	.2						12.8	10.9
S	.4	1.4	2.5	1.8	.7	.1						7.2	9.7
SSW	.2	.2	.5	.7	.1							1.6	9.8
SW	.2	.5	1.2	.6								2.6	7.4
WSW	.4	.9	.8	.7	.1	.1	.1					3.1	9.8
W	.2	1.7	.9	1.1	.2	.1	.1					4.5	8.3
WNW	.2	.7	1.1	.8	.4	.1						3.3	10.4
NW	.2	1.4	1.7	2.2	.3	.1						6.0	10.1
NNW	.2	.7	1.9	3.5	1.0	.4						7.7	12.5
VARBL													
CALM												8.8	
	5.2	18.7	33.3	26.5	4.2	1.1	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1831

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943 STATION      FT WALTERS AAF TEX/MINERAL WELLS STATION NAME      49-65,67-70 YEARS      MAR MONTH

ALL WEATHER CLASS      0900-1100 HOURS (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	.1	1.1	2.2	4.1	1.0	.2						8.6	11.9
NNE	.1	.5	2.0	2.5	.2	.1	.1					5.4	10.9
NE	.2	.7	1.0	.8								2.6	8.6
ENE		.4	1.0	.5	.1							2.0	9.4
E	.1	.7	1.6	.4	.1							2.6	8.8
ESE	.1	.6	1.2	2.0	.2							4.0	10.7
SE	.2	1.3	3.1	4.6	.9	.1						10.1	11.1
SSE	.2	.9	3.5	5.3	2.0	.1						12.0	12.3
S	.3	.7	2.6	3.6	3.6	.6		.2				11.4	14.3
SSW	.1	.5	.8	2.2	2.1	.3	.2					6.1	14.7
SW	.2	.3	.8	1.3	1.3	.1	.1					4.0	13.2
WSW	.2	.7	1.0	1.4	.9	.1	.2	.1				4.5	13.3
W	.3	.7	.8	1.4	1.1	.4	.1	.1				4.8	13.7
WNW	.1	.2	1.2	1.7	.7	.1	.1					4.0	13.1
NW	.1	.4	2.0	2.5	.8	.2						5.9	12.1
NNW		.6	2.2	3.6	2.8	.6	.1					9.8	14.1
VARBL													
CALM												2.0	
	1.9	10.3	26.5	37.9	17.7	2.8	.7	.3				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 1819

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943 STATION FT WOLTERS AAF TEX/MINERAL WELLS STATION NAME 49-65,67-70 YEARS MAR 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	.2	.9	2.3	4.1	1.1		.1					8.8	11.8
NNE		.9	1.6	2.0	.3							4.7	10.4
NE	.1	.7	1.0	.9								2.7	9.1
ENE	.1	.5	1.0	.2	.1							1.9	8.7
E	.1	.4	1.0	.3								1.8	8.2
ESE	.1	.5	1.1	1.2	.3							3.4	10.9
SE	.1	.8	1.4	2.6	1.2	.1						7.1	12.5
SSE		.5	2.8	3.0	2.4	.2						8.8	13.2
S	.1	.7	2.2	4.7	2.4	1.3	.2	.1				14.6	15.6
SSW	.2	.3	1.5	2.9	2.2	.4	.1					7.7	14.2
SW	.1	.9	.9	2.2	1.3	.2						5.9	13.0
WSW	.1	.6	.8	1.3	1.6	.9	.1	.1				5.1	15.1
W	.1	.8	1.3	1.5	1.2	.7	.4	.1				6.3	15.1
WNW	.1	.5	1.4	1.6	.9	.6	.2					5.2	13.7
NW	.2	.4	1.7	2.2	1.2	.9						6.2	13.1
NNW		.7	1.9	2.9	2.0	.3	.2					9.0	13.8
VARBL													
CALM												1.3	
	1.4	10.2	23.8	36.0	21.4	4.7	1.1	.2				100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 1838



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	2.7	3.5	1.7	.3						9.3	12.5
NNE	.2	.8	1.9	1.4	.2	.1						4.6	9.8
NE	.1	.5	1.4	.8	.1							2.9	9.2
ENE		.6	.8	.5	.1							2.0	8.8
E		.2	1.3	.3								1.7	8.6
ESE	.1	.3	2.1	1.5	.3	.1						4.3	10.9
SE	.1	.8	2.8	3.1	1.5	.1						8.4	11.9
SSE	.3	.3	2.3	4.2	2.8	.8	.1					10.9	14.5
S	.4	.8	2.5	4.6	5.1	1.4	.2					15.1	15.0
SSW	.2	.3	.4	2.0	2.2	.2						5.4	14.8
SW	.1	.8	1.1	2.3	.9	.2	.1					5.9	12.8
WSW	.1	.3	1.2	1.5	1.1	.4	.1	.1				4.8	14.3
W	.3	.5	1.0	1.1	1.0	.5	.1	.1				4.6	14.2
WNW	.1	.3	.4	1.2	.4	.4	.1					3.4	14.9
NW	.2	.8	1.6	2.6	1.7	.3						7.1	13.0
NNW	.2	.4	2.2	4.0	1.7	.2	.1					8.6	13.0
VARBL													
CALM												1.5	
	2.4	8.6	25.8	34.4	21.6	4.8	.7	.2				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

1829

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAR  
MONTH

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	.5	2.6	3.4	4.1	.6	.1						11.2	9.9
NNE	.4	1.3	2.3	.9	.1							5.1	8.0
NE	.3	1.7	1.3	.7								4.0	7.5
ENE	.2	1.1	1.0	.3								2.6	6.7
E	.4	1.4	2.0	.6								4.4	7.2
ESE	.2	1.5	4.0	1.4	.1	.1						7.3	8.8
SE	.1	2.2	6.3	4.6	1.6	.1	.1					14.9	10.7
SSE	.1	.5	3.6	5.1	3.2	.3						12.8	13.3
S	.2	.9	2.6	3.6	2.3	.6	.1					10.3	13.3
SSW	.1	.6	1.0	.6	.2							2.6	9.6
SW	.4	.6	1.2	.6	.1							2.8	8.1
WSW	.1	.2	.5	.2	.4	.1						1.9	12.0
W	.2	.4	.6	.8	.4	.2	.2	.1				3.0	13.1
WNW		.2	.8	.4	.2							1.4	11.0
NW	.3	.7	1.7	2.1	.5	.2						5.3	11.2
NNW	.4	.8	1.7	2.8	.9	.3	.1					6.8	12.0
VARBL													
CALM												3.6	
	4.0	16.8	33.6	28.9	10.7	1.9	.4	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

1790

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.9	2.5	2.9	.3	.1						9.3	9.4
NNE	.5	1.9	1.9	.5								4.8	7.1
NE	.8	2.6	1.3	.2								4.9	5.9
ENE	.2	1.0	1.6	.2								3.1	6.9
E	.6	1.4	1.5	.3								3.8	6.4
ESE	.2	1.9	2.7	1.0	.1							6.9	8.0
SE	.6	2.7	4.0	6.5	1.9	.1	.1					20.3	10.3
SSE	.3	1.0	4.6	7.6	2.3	.3						16.1	12.4
S	.2	.7	1.4	1.3	1.9	.3						5.6	13.3
SSW	.1	.4	.1	.4	.2	.1						1.2	10.5
SW	.2	.4	.8	.2	.1							1.6	7.4
WSW	.1	.6	.6	.6	.1							2.0	9.3
W	.2	.5	.5	.8	.3	.2	.1					2.5	12.3
WNW		.7	.3	.5	.1	.1						1.5	9.4
NW	.3	.8	1.2	1.0	.5	.1						4.0	10.4
NNW		.8	1.9	1.5	.7	.1	.1					5.2	11.6
VARBL													
CALM												7.2	
	4.7	20.2	33.0	25.6	7.8	1.4	.2					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

1772

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINEKAL WELLS  
STATION NAME

49-65,67-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	1.9	1.4	.3	.1						6.0	8.7
NNE	.6	1.5	1.6	1.1	.2	.1						4.8	8.5
NE	1.5	1.7	1.7	.7								5.1	6.7
ENE	.4	.7	.9	.2	.1							2.2	7.1
E	.2	1.0	1.4	.5								3.0	7.9
ESE		1.2	2.1	1.0	.2							4.5	9.2
SE	.5	2.8	10.0	6.1	1.2							20.6	10.0
SSE	.2	.9	4.7	8.6	3.0	.3	.2					17.7	13.1
S	.7	1.9	2.7	2.8	1.1	.1						9.5	10.2
SSW	.1	.5	.6	.9								2.1	9.9
SW	.3	.5	.2	.3	.1							1.4	7.5
WSW	.2	.6	.5	.4	.2	.1						2.1	9.3
W	.3	.7	.5	.1	.3	.2						2.1	9.2
WNW		.1	.5	.5	.3	.1						1.5	13.1
NW	.2	1.0	.9	.7	.2							3.0	8.5
NNW	.6	1.0	1.5	.6	.7	.3						4.8	10.0
VARBL													
CALM												9.7	
	5.9	17.8	31.5	25.9	8.0	1.1	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 1756

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.0	2.8	1.1	.1	.1						6.3	8.1
NNE	.7	1.5	1.6	.7	.1							4.5	7.5
NE	.5	1.1	1.2	.6	.1							3.5	7.7
ENE	.6	.6	.7	.4								2.3	6.7
E	.2	1.2	1.1	.4								2.9	7.5
ESE	.3	1.3	2.0	.7	.2							4.4	8.1
SE	.6	3.0	10.9	5.7	.4							20.6	9.3
SSE	.6	1.4	5.4	5.7	1.4	.2	.1					15.3	11.5
S	.7	1.5	2.4	2.9	.8	.1	.1					8.5	10.5
SSW	.2	.7	.9	.6	.1	.1						2.6	8.8
SW	.3	.5	.6	.4	.1							1.8	8.2
WSW	.3	.8	.6	.4	.1							2.2	7.6
W	.7	.9	1.1	.7	.2							3.6	8.0
WNW	.7	.6	.5	.4	.3	.1						2.0	10.0
NW	.6	1.3	.9	1.2	.1							4.1	8.2
NNW	.1	1.1	1.5	.8	.9	.1						4.5	10.8
VARBL													
CALM												10.8	
	7.0	19.2	34.0	22.9	5.2	.6	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1792



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

APR  
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	.2	1.1	2.4	3.6	.8	.2	.1					8.3	11.6
NNE	.1	.9	1.6	1.6	.6							4.7	10.8
NE		.7	1.5	1.1	.2							3.5	9.8
ENE	.1	.6	.8	.7								2.1	9.1
E	.4	.5	1.3	.7								2.7	8.5
ESE	.1	.5	1.4	1.8	.3							4.1	10.7
SE	.1	1.2	2.9	4.6	1.1							9.9	11.6
SSE		.4	3.8	6.1	3.3	.4						14.1	13.5
S	.1	.9	2.5	8.1	4.6	1.1						17.3	14.4
SSW	.2	.5	.9	3.8	2.1	.7						8.2	14.3
SW	.1	1.1	1.2	1.4	.6	.3						4.7	11.6
WSW	.1	.7	.7	.8	.2							2.6	10.7
W	.1	.9	.7	.9	.6	.1	.1					3.3	11.4
WNW		.5	.4	1.6	.7	.1						3.2	12.8
NW	.1	.3	1.2	1.9	.7	.2						4.5	12.9
NNW	.1	.4	1.3	2.3	1.0	.3	.1					5.5	13.1
VARBL													
CALM												1.3	
	1.3	11.1	24.8	41.7	16.7	3.2	.4					100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 1794

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

APR  
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	.1	.8	2.9	3.2	.6	.2						7.8	11.7
NNE		.7	1.5	1.5	.6	.1						4.3	11.0
NE	.2	.7	1.6	.8	.2							3.5	9.2
ENE		.6	1.4	.8	.1							2.8	9.4
E	.2	.3	1.2	.8	.2							2.7	12.1
ESE	.1	.3	1.4	1.8	.3	.1						4.0	11.5
SE	.1	.4	2.0	4.6	1.3							8.3	12.7
SSE	.1	.2	2.8	6.0	4.6	.2	.1					14.1	14.5
S	.1	.7	2.5	6.5	5.3	1.2	.3					16.6	15.1
SSW	.1	.4	1.6	3.6	2.6	.6						8.9	14.7
SW		.6	1.8	1.9	.5	.4	.1					5.2	12.9
WSW	.4	.3	.9	1.5	.4	.2	.1					3.6	12.5
W	.1	.2	1.5	1.4	.2	.2						3.5	11.9
WNW		.3	.8	1.2	.7	.1	.1					3.2	13.0
NW		.6	1.1	2.2	1.0	.1						4.9	12.7
NNW		.3	1.3	2.8	1.3	.1						5.9	13.5
VARBL													
CALM												.7	
	1.1	7.4	26.2	40.5	19.9	3.6	.6					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS

1792



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-63,67-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	2.6	3.1	.6	.1						7.6	11.1
NNE	.1	.9	1.7	2.2	.4							5.3	10.9
NE	.2	.6	1.3	1.2	.1							3.4	9.4
ENE		.6	1.5	.6	.1							2.7	9.4
E	.1	.4	1.4	.9	.1							2.9	10.0
ESE		.2	1.8	2.1	.4	.1						4.6	12.0
SE	.1	.6	3.1	4.6	2.0	.1						10.6	12.6
SSE	.2	.2	2.2	7.0	6.2	.6	.1					16.4	15.2
S	.3	.6	2.3	6.0	9.4	1.3	.3					16.1	15.4
SSW		.4	1.0	2.6	1.4	.3	.1					5.8	14.2
SW		.6	.7	.9	.3	.1	.1					2.8	11.7
WSW	.1	.2	.9	.7	.6	.2	.1					3.0	13.6
W	.2	.4	1.0	1.5	.3	.1						3.5	11.3
WNW	.2	.2	.7	.8	.4	.3						2.6	13.0
NW	.1	.6	2.1	1.9	1.1							5.6	11.8
NNW		.6	1.5	3.0	1.2	.2						6.4	13.0
VARBL													
CALM												.8	
	1.4	8.3	25.8	39.1	20.7	3.4	.6					100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 1791

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
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	2.2	3.3	3.1	.5	.1						9.5	9.7
NNE	.5	1.4	2.0	1.2	.1							5.2	8.3
NE	.3	1.0	1.8	.4		.1						3.5	7.8
ENE	.3	1.6	1.5	1.0	.1							4.5	8.3
E	.3	1.4	2.7	1.1	.1							5.7	8.5
ESE	.1	1.2	2.1	1.5	.3		.1					5.2	10.0
SE	.2	1.7	6.0	7.4	1.2	.1	.1	.1				16.8	11.4
SSE	.2	.7	5.0	8.2	4.2	.9						19.1	13.4
S	.2	.7	2.6	4.3	1.6	.5	.1					9.8	13.2
SSW	.3	.5	.6	1.0		.1						2.5	9.5
SW	.1	.5	.9	.7								1.6	7.7
WSW	.2	.5	.5	.3	.1							1.5	8.6
W		.5	.7	.3	.1							1.6	9.0
WNW		.4	.5	.1	.2	.1						1.3	9.9
NW	.2	.9	1.2	1.1	.3	.3						3.9	10.6
NNW	.2	1.5	1.4	1.5	.2	.1		.1				4.9	10.0
VARBL													
CALM												3.3	
	2.3	16.6	32.6	32.9	9.0	2.1	.2	.1				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

1751

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.0	2.4	1.6	.3	.3	.1					7.1	9.6
NNE	.8	2.2	2.4	1.2	.1							6.7	7.7
NE	.9	1.7	2.1	.4								5.1	6.8
ENE	.7	1.7	1.4	.2	.1							4.2	6.7
E	.3	1.4	1.4	.3	.2	.1						4.0	8.0
ESE	.1	.8	1.9	1.0	.2							4.0	9.5
SE	.3	2.5	9.4	8.7	1.7	.1						22.8	10.8
SSE	.2	1.3	4.8	8.6	4.1	.9	.2	.1				20.1	13.6
S	.3	1.2	2.1	2.1	1.3	.2						7.1	11.4
SSW		.2	.2	.3	.3							1.1	12.1
SW	.2	.6	.7	.1								1.6	6.3
WSW	.1	.3	.4	.3	.1							1.2	9.4
W	.2	.9	.9	.3	.2							2.1	9.0
WNW	.1	.2	.2	.3	.2	.1						.9	11.4
NW	.3	.8	.8	.7	.2	.1						2.8	9.2
NNW	.2	.9	1.2	.7	.2	.1	.1					3.4	9.3
VARBL													
CALM												6.0	
	5.0	18.4	32.4	26.9	9.3	1.7	.3	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

1729

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WULTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	1.1	.7	.2							4.3	7.6
NNE	.5	1.1	.9	.5	.1							3.7	6.9
NE	.6	1.2	.8	.6	.2							3.4	7.3
ENE	.5	.8	.9	.3								2.5	6.6
E	.5	1.0	.7	.3								2.5	6.3
ESE	.3	1.0	1.6	.9	.1							3.9	8.3
SE	.7	4.6	13.8	4.9	.8							24.7	8.9
SSE	.7	1.9	6.6	10.7	3.3	.6						23.6	12.1
S	.7	2.2	2.1	2.8	1.3	.1	.1					9.3	10.4
SSW	.1	.3	.2	.4								.9	8.9
SW	.5	.2	.3	.1								1.1	5.2
WSW	.3	.4	.2	.1								.9	5.4
W	.7	.7	.5	.1	.1	.1						2.1	6.6
WNW	.2	.3	.3	.1				.1				.9	8.5
NW	.3	1.0	.7	.2	.1							2.2	7.1
NNW	.3	.5	.2	.2	.1		.1					1.4	7.7
VARBL													
CALM												13.1	
	7.5	18.7	30.7	22.8	6.0	.8	.1	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 1831

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943

FT WOLTERS AAF TEX/MINERAL WELLS

49-65,67-70

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	1.3	.6	.2	.2						4.5	6.0
NNE	.4	1.0	1.7	.4								3.6	7.3
NE	.5	1.1	.7	.2	.2							2.7	6.6
ENE	.5	1.0	.9	.1								2.5	5.9
E	.4	1.0	.7	.1	.1							2.2	6.3
ESE	.4	1.6	2.5	1.0	.1							5.7	8.0
SE	.3	5.4	12.9	4.5	.3							23.5	8.7
SSE	.7	1.8	6.7	7.8	1.5	.2	.1					18.7	11.1
S	.7	1.7	3.1	2.7	.9							9.0	10.1
SSW	.3	.7	.4	.2								1.5	6.3
SW	.2	.7	.5	.1								1.5	6.7
WSW	.3	.8	.8	.2								2.0	6.3
W	.5	.7	.6	.1	.1							2.2	6.0
WNW	.3	.6	.2	.4	.1							1.6	7.3
NW	.4	1.1	.4	.3	.1							2.4	6.8
NNW	.3	.7	.8	.7	.1							2.5	8.1
VARBL													
CALM												14.0	
	7.1	21.6	34.2	19.2	3.4	.4	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

1832

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLYERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAY  
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 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	1.9	.8	.3	.1						5.2	8.7
NNE	.5	1.0	1.5	.9	.1	.1						4.1	8.7
NE	.8	1.2	.7	.4								3.1	6.1
ENE	.5	.9	.9	.3								2.6	6.6
E	.4	1.0	.6	.3								2.3	6.3
ESE	.2	1.3	2.0	.8	.1							4.3	8.2
SE	.9	4.2	10.4	4.7	.8							20.9	9.1
SSE	.4	2.2	6.4	8.0	1.7	.1						18.7	11.2
S	.7	2.2	4.2	4.2	2.0	.1						13.5	11.0
SSW	.3	.9	2.0	.8	.2							3.2	9.1
SW	.2	.4	.9	.3								1.9	8.0
WSW	.5	.7	.6	.3	.1							2.1	6.8
W	.7	.9	.9	.4								3.0	5.6
WNW	.4	.4	.3	.2	.1							1.4	6.4
NW	.3	.5	1.2	.4	.1							2.5	7.8
NNW	.4	.8	1.1	.4	.3							2.9	8.8
VARIABLE													
CALM												8.4	
	7.5	20.4	34.6	23.0	5.7	.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

1831



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAY  
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	.2	1.0	2.1	1.4	.4	.1						5.0	9.9
NNE		.6	1.7	1.1	.3	.1						3.8	10.6
NE	.1	1.0	1.5	.7	.2							3.5	9.0
ENE		.9	.8	.5	.1							2.2	8.7
E	.2	.4	1.0	.7								2.3	8.9
ESE	.1	.5	1.4	1.1	.2							3.2	10.2
SE	.2	1.0	4.0	4.6	1.3	.1						11.1	11.6
SSE	.3	.9	3.5	9.4	4.6	.7	.1					19.6	13.8
S	.2	1.7	9.1	10.0	5.8	.9						23.8	13.5
SSW	.1	.6	2.1	3.5	1.8	.4	.2					8.5	13.7
SW	.1	.7	.8	1.0	.2							2.8	10.2
WSW	.1	.5	.8	.4	.1							1.9	8.8
W	.2	.4	.7	.7	.2	.1						2.2	10.0
WNW		.3	.7	.9	.1							2.0	10.7
NW	.3	.5	1.1	.9	.2							2.9	9.0
NNW	.1	.4	1.3	1.0	.2	.1						3.0	10.7
VARBL													
CALM												2.0	
	2.1	11.5	28.4	37.8	15.0	2.4	.2					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

1839



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TFX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

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	.3	.4	1.4	1.8	.4	.1						4.2	11.0
NNE	.1	1.1	2.2	1.1	.2	.1						4.9	9.2
NE	.2	.9	2.1	.7	.1							4.0	8.7
ENE	.6	.7	1.4	.2	.1							2.6	7.9
E	.3	.7	1.8	1.0	.1							3.8	9.0
ESE	.7	.7	2.5	1.9	.5							5.7	10.3
SE	.1	1.1	5.3	6.2	1.9	.2						14.8	12.0
SSE	.7	.9	4.3	9.9	7.6	.9	.1					23.9	14.4
S	.2	1.1	4.6	8.2	4.8	.5	.1					19.5	13.4
SSW	.1	.8	1.1	1.6	.8	.2						4.6	12.0
SW	.1	.5	.5	.5	.2							1.7	9.8
WSW		.3	.4	.2								.9	8.6
W	.2	.1	.2	.6	.1							1.2	9.9
WNW	.1	.1	.5	.3	.1							1.0	10.4
NW	.1	.6	.9	.7								2.3	8.9
NNW	.1	.3	1.1	1.4	.4	.1						3.4	11.3
VARBL													
CALM												1.6	
	2.3	10.1	30.4	36.2	17.1	2.0	.2					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 1827

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

HAY  
MONTH

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	.7	1.2	1.0	1.2	.4	.2						5.5	9.2
NNE	.6	1.4	2.0	.9	.1							4.9	7.8
NE	.6	2.1	1.3	.5	.2							4.7	7.0
ENE	.3	1.4	1.4	.4	.1							3.5	7.2
E	.4	1.7	2.5	.4	.1							5.1	7.2
ESE	.4	2.1	3.0	1.3	.2							6.9	8.2
SE	.4	3.5	9.8	7.3	1.8							22.8	10.4
SSE	.2	1.0	6.6	12.1	4.7	.4						25.9	12.7
S	.5	1.2	3.5	4.0	1.1	.1						10.4	11.0
SSW	.1	.3	.4	.4	.1							1.3	9.4
SW		.2	.1	.1								.4	8.1
WSW	.1	.1		.2	.1							.4	12.6
W	.2	.2	.3	.2								.9	8.2
WNW		.2	.1	.1								.4	9.0
NW	.2	.4	.3	.2	.1		.1					1.2	9.9
NNW	.1	.4	1.1	.2	.1	.1						1.9	8.5
VARBL													
CALM												3.7	
	4.6	18.3	34.1	29.6	8.9	.8	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

1792

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.8	1.0	.4	.2	.1						3.2	8.2
NNE	.8	1.7	1.5	.6	.1							4.6	6.8
NE	.6	2.2	1.3	.7	.2							4.9	7.3
ENE	.2	1.3	.7	.2	.1							2.5	6.6
E	.4	1.4	1.2	.6			.1					3.7	7.5
ESE	.2	2.3	2.8	.7	.1	.1						6.1	7.7
SE	.5	5.5	13.2	6.4	1.5	.1						27.2	9.5
SSE	.4	1.9	9.4	11.5	4.1	.3	.1					27.6	12.0
S	.6	1.2	2.0	1.6	.6	.2	.1					6.1	10.0
SSW	.1	.2	.3	.4	.1	.1						1.1	10.7
SW	.2	.1	.4									.7	6.5
WSW		.2	.2	.2								.5	8.9
W	.2	.1	.4			.1						.7	8.5
WNW	.2	.3	.2	.2								.8	6.9
NW	.2	.5	.3	.2								1.2	6.7
NNW	.4	.4	.6	.2	.1							1.7	7.5
VARBL													
CALM												7.3	
	5.4	20.1	35.5	23.7	7.0	.7	.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1790

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	.4	.1	.1		.1					1.9	7.0
NNE	.2	.7	.8	.1								1.9	6.7
NE	.7	1.5	.8	.1		.1						3.2	5.8
ENE	.3	1.2	.5	.3								2.5	6.3
E	.5	1.1	1.2	.2								3.0	6.4
ESE	.4	2.2	2.1	.5	.1							5.2	7.0
SE	.4	6.3	16.8	5.0	.6							29.1	8.7
SSE	1.2	2.9	9.0	8.1	3.0							24.1	10.8
S	1.1	1.5	2.8	5.3	1.6	.1						12.1	11.2
SSW	.1	.3	.4	.4	.2							1.4	10.4
SW	.3	.2	.2			.1	.1					.8	7.5
WSW	.2	.2	.2	.2	.1	.1	.1					1.1	10.7
W	.3	.6	.2		.1							1.2	6.3
WNW		.3	.2	.1	.1							.6	7.8
NW	.1	.3	.2	.1								.6	7.4
NNW	.2	.5	.4	.1		.1						1.3	7.7
VARBL													
CALM												9.8	
	6.3	20.8	36.3	20.5	5.9	.3	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1774

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65, 67-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.0	.3								3.0	6.6
NNE	.3	1.1	.8	.1								2.3	6.3
NE	.6	1.3	1.0	.4	.2		.1					3.5	7.7
ENE	.2	1.1	.2	.2	.1							1.7	6.4
E	.6	1.2	.9	.2								2.8	6.0
ESE	.6	2.1	1.9	.2	.1							4.9	6.4
SE	1.5	7.5	15.0	2.6	.4							27.0	7.7
SSE	.8	3.5	6.7	8.1	1.2							20.4	10.2
S	1.1	2.5	4.4	4.9	1.1							14.1	10.0
SSW	.5	.5	.6	.4								2.0	7.1
SW	.4	.6	.2	.2		.1						1.3	6.5
WSW	.2	.2	.1	.1	.1	.1	.1					.7	9.8
W	.1	.6	.3	.1	.1							1.2	7.7
WNW	.1	.6	.5	.1	.1							1.3	6.9
NW	.1	.4	.2	.1								.8	6.5
NNW	.3	.4	.2	.1								1.0	5.4
VARBL													
CALM												12.1	
	7.8	24.8	33.8	17.9	3.4	.1	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1783

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
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	1.1	1.0	.6	.1							2.9	7.7
NNE	.2	.7	1.0	.3	.1	.1						2.3	7.9
NE	.3	1.2	1.1	.3	.1							3.1	7.6
ENE	.0	.6	.5	.2	.1							1.9	6.2
E	.2	.8	1.0	.2								2.1	7.1
ESE	.0	1.7	2.0	.6	.1							4.9	7.2
SE	.4	7.0	10.0	3.9	.2							21.6	8.3
SSE	.6	2.7	6.9	6.6	1.5							18.2	10.4
S	1.1	2.5	6.3	7.0	2.6	.3	.1					26.3	11.2
SSW	.5	.8	1.6	1.7	.8	.2						5.5	10.8
SW	.4	.4	.9	.5	.1							2.3	8.5
WSW	.3	.4	.3	.2								1.2	6.8
W		1.1	.4	.1								1.6	6.3
WNW	.1	.1	.3	.2								.7	8.0
NW	.2	.2	.7	.3	.1							1.6	9.0
NNW	.1	.6	.4	.2	.1							1.4	7.4
VARS													
CALM												8.3	
	5.5	21.9	34.3	23.7	5.7	.5	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

1785

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03947  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
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	.1	.7	1.6	.4	.1							2.9	8.8
NNE	.2	.8	1.2	.3	.1							2.7	7.9
NE	.2	.7	1.3	.3	.1	.1						2.6	8.1
ENE	.3	.7	.7	.3								2.1	7.2
E	.3	1.2	.8	.4								2.6	7.2
ESE	.2	1.0	1.9	.7	.1							3.8	8.2
SE	.1	1.2	4.2	3.1	.4							9.0	10.3
SSE	.4	1.8	4.4	6.3	2.3	.3						13.3	11.7
S	.3	1.6	7.3	13.8	4.8	.8	.1					28.8	13.1
SSW	.1	1.2	2.7	7.0	2.6	.2						13.9	12.9
SW	.2	1.2	2.3	1.5	.4	.1						3.7	9.9
WSW	.3	.7	1.1	.1								2.2	6.8
W		.6	.7	.2								1.5	7.7
WNW		.4	.4	.3								1.2	8.6
NW		.4	.7	.7	.1							1.9	10.0
NNW		.2	.3	.3	.1							.9	9.9
VAPBL													
CALM												2.6	
	2.0	14.1	31.6	35.1	11.1	1.3	.1					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 1783

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
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		1.2	1.2	.6	.1							3.0	0.1
NNE	.1	.9	1.7	.4	.1							3.1	8.2
NE	.1	.5	1.6	.4	.1							2.6	8.7
ENE	.1	.9	1.2	.5								2.7	8.2
E	.1	1.0	1.7	.5								3.3	8.1
ESE	.2	1.1	2.1	1.4	.1							4.9	9.0
SE	.5	1.6	4.4	4.0	.7							11.3	10.2
SSE	.4	1.7	5.2	9.1	3.6	.4						20.4	12.5
S	.3	1.7	5.3	12.6	5.0	.7	.1					25.7	13.3
SSW	.1	.6	3.3	4.4	2.6	.3						11.3	13.0
SW	.1	.7	1.4	.9								3.1	8.8
WSW	.2	.5	.6	.3								1.5	7.0
W	.2	.4	.4	.3								1.3	7.6
WNW	.1	.2	.6	.1	.1							1.2	8.8
NW	.2	.7	.6	.2								1.7	10.8
NNW	.1	.2	.7	.7	.1							1.7	10.3
VARBL													
CALM												1.2	
	2.5	13.3	32.0	36.7	12.7	1.4	.1					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 1783



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.8	.8	.1	.1						3.7	9.0
NNE	.2	.7	1.7	.8	.1							3.4	9.0
NE	.1	.8	1.0	.3								2.3	7.8
ENE	.1	.9	1.4	.8	.1							3.3	9.0
E	.2	.6	1.6	1.1								3.5	9.2
ESE	.2	1.0	3.5	1.7	.2	.1						6.4	9.7
SE	.2	1.2	5.6	7.9	2.1							17.0	11.7
SSE	.3	1.5	5.7	13.0	4.7	.2						25.4	13.0
S	.2	1.0	4.9	9.1	5.1	.9	.1					21.1	13.6
SSW	.1	.7	1.6	1.5	1.1	.1						5.1	11.6
SW	.3	.6	.6	.4	.1							1.9	7.5
WSW	.1	.3	.5	.1								1.0	7.6
W	.1	.2	.2	.1								.5	6.4
WNW	.1	.1	.1	.1	.2							.6	11.8
NW	.1	.2	.4	.3	.1							1.1	9.4
NNW		.3	1.1	.8								2.2	9.9
VARBL													
CALM												1.4	
	2.4	10.9	31.6	38.8	13.7	1.2	.1					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

1777

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
MONTH

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	.3	.7	.5	.5	.1							2.2	7.7
NNE	.1	1.1	1.2	.2	.1							2.8	7.4
NE	.2	1.1	1.5	.5	.2							3.9	7.6
ENE	.2	1.3	1.8	.8	.1							4.1	8.3
E	.3	1.7	2.4	.9	.1							5.4	8.0
ESE	.3	1.9	5.1	2.4	.3							10.1	9.1
SE	.5	3.8	11.5	9.1	1.8							26.8	10.3
SSE	.2	1.8	7.2	10.7	2.8	.1						23.1	11.9
S	.3	1.5	3.9	5.4	2.0							13.1	11.6
SSW		.1	.3	.3	.1							.9	10.2
SW	.1	.5	.2		.1							.9	6.5
WSW		.2	.1									.3	6.5
W	.1	.2	.1	.1	.1							.5	9.8
WNW		.1	.1	.2								.3	9.3
NW		.7	.3	.1								1.1	6.3
NNW	.1	.2	.3	.4	.1							1.1	9.8
VARBL													
CALM												3.7	
	3.1	17.5	36.6	31.6	7.8	.1						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 744

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
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	.4	.5	.3	.3								1.6	6.7
NNE	.1	.4	.7	.2								2.0	7.1
NE	.4	1.9	.7	.1								3.1	5.6
ENE	.3	1.4	.6	.5	.1							2.9	7.1
E	.3	1.5	1.7	.7								4.2	7.4
ESE	.1	2.8	5.1	1.0	.1							9.1	7.8
SE	.5	5.5	17.2	8.1	1.6							32.8	9.5
SSE	.5	2.9	9.1	10.2	2.3	.1						25.1	11.0
S	.6	1.4	3.5	2.2	.7	.1						8.5	9.9
SSW	.1	.1	.4	.1	.1							.7	8.8
SW	.2	.3	.1	.1	.1							.7	6.3
WSW	.2	.1	.1		.1							.5	6.1
W	.1	.1		.1								.3	7.4
WNW	.1	.1	.1									.2	5.3
NW	.1	.3	.3	.1								.6	7.3
NNW	.2	.3	.2					.1				.7	8.1
VARBL													
CALM												6.3	
	4.2	20.2	40.0	23.6	5.0	.2		.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1734

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/PAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
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	.4	.3	.2								1.2	6.7
NNE	.6	1.4	.6	.4								3.0	6.2
NE	.8	1.4	.4	.1								2.7	5.0
ENE	.2	.8	.7	.1								2.1	5.8
E	.8	1.1	1.2									3.1	5.8
ESE	.8	2.7	2.3	.2								6.0	6.1
SE	1.1	10.4	22.5	3.6	.2							38.1	7.9
SSE	1.1	3.1	10.3	6.4	.7							21.5	9.5
S	1.2	2.2	2.1	2.5	1.1	.1						9.2	9.6
SSW	.1	.7	.1		.1							.9	5.3
SW	.2	.1	.1									.4	4.6
WSW	.2	.1	.1									.3	4.8
W	.1	.2	.2	.1								.4	6.9
WNW	.2	.1	.1									.3	4.3
NW	.1	.1	.1									.2	5.0
NNW	.1	.2	.1									.4	4.0
VARBL													
CALM												10.0	
	8.1	24.9	41.1	13.5	2.3	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1833

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AFB TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	.6	.4								2.6	6.7
NNE	.2	.8	.8	.1	.1							2.2	6.3
NE	1.1	1.1	.5	.1								2.7	4.7
ENE	.2	.7	.2									1.6	5.1
E	1.1	1.3	.8	.1								3.2	5.3
ESE	.5	3.5	1.4	.1								5.9	5.6
SE	1.1	13.2	17.1	1.5	.2							33.2	7.0
SSE	.9	4.8	8.3	4.1	.3							18.4	8.5
S	1.3	3.4	3.4	2.2	.4							10.7	8.0
SSW	.2	.5	.2									.9	4.7
SW	.2	.3	.2									.7	4.8
WSW	.3	.1	.1									.5	4.7
W		.3	.2									.5	6.1
WNW	.1	.1	.1	.1								.3	6.0
NW	.2	.3	.1	.1								.6	5.7
NNW	.3	.1	.1									.7	4.2
VARBL													
CALM												15.2	
	8.3	32.7	34.1	8.7	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1838

1  
4  
C

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65, 67-70  
YEARS

JUL  
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	.4	1.1	.7	.2								2.5	6.2
NNE	.3	.7	1.0	.3								2.2	7.3
NE	.3	1.4	1.6	.1								3.4	6.5
ENE	.2	.4	.4	.1								1.1	6.9
E	.6	.8	1.0	.1								2.5	6.0
ESE	.5	2.8	1.6	.2	.1							5.2	6.2
SE	1.1	9.2	13.0	1.5	.1							25.7	7.3
SSE	.7	3.6	8.1	4.0	.2							16.6	8.7
S	1.0	4.6	5.6	5.1	.5	.1						16.9	9.0
SSW	.5	1.1	2.2	2.1	.5							6.5	9.8
SW	.3	.8	1.4	1.1	.1							3.6	8.8
WSW	.2	.5	.5	.2								1.5	7.2
W	.2	.4	.4	.1								1.1	6.1
WNW	.2											.2	3.0
NW	.1	.4	.2	.1								.8	5.5
NNW	.1	.4	.5	.1								1.1	7.0
VARBL													
CALM												3.1	
	6.8	28.4	39.0	15.1	1.5	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1836

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
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	.4	.4	.9	.2								1.9	7.0
NNE	.4	.7	1.3	.4								2.7	7.7
NE	.4	.8	1.4	.4								2.9	7.4
ENE	.2	.6	1.0	.4								2.2	8.0
E	.5	.7	1.2	.4								2.8	7.3
ESE	.1	.6	1.5	.2								2.3	8.0
SE	.1	2.1	3.2	.8	.2							6.4	8.0
SSE	.3	2.0	4.4	1.4	.5							10.6	9.8
S	.5	3.4	7.5	9.0	2.8	.1						23.3	11.1
SSW	.3	2.5	7.5	7.7	1.8	.1						20.0	10.8
SW	.4	2.7	6.5	3.3	.3							13.2	9.0
WSW	.2	1.3	2.2	.8	.1							4.6	8.0
W	.3	.9	.9	.2								2.2	6.6
WNW	.2	.2	.3	.1								.8	6.2
NW	.1	.4	.5	.1								1.0	7.0
NNW		.2	.5	.2								1.0	8.5
VARBL													
CALM												2.1	
	4.4	17.0	40.7	27.5	5.0	.2						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1836

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/14C

# SURFACE WINDS

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

03943 STATION FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70 YEARS JUL 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	.1	.7	.7	.4	.1	.1						2.0	8.8
NNE	.1	.9	1.7	.7	.2							3.6	9.1
NE	.3	.7	2.1	.7	.2							3.9	8.7
ENE	.4	1.0	1.6	1.1		.1						4.2	8.4
E	.3	1.3	1.7	1.2	.2							4.6	8.8
ESE	.1	1.4	2.1	.9	.1							4.6	8.5
SE	.3	2.7	4.7	3.3	.2							11.2	9.2
SSE	.5	2.1	4.9	6.9	1.7							16.1	10.9
S	.4	3.1	5.6	8.2	3.1	.1						20.5	11.4
SSW	.3	1.4	6.1	4.4	1.3	.1						13.5	10.7
SW	.2	1.4	3.0	1.1	.1							5.9	8.3
WSW	.2	.7	1.1	.3								2.2	7.4
W	.2	.7	.7	.3								1.9	7.2
WNW	.1	.5	.4	.1								1.1	7.0
NW	.2	.3	.3	.1								.9	6.9
NNW		.2	.5	.2								.9	9.4
VARBL													
CALM												2.9	
	3.7	14.9	37.3	29.8	7.2	.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 1816



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5	.8	.4	.2							1.9	9.7
NNE	.1	.9	2.2	.7	.2							4.1	8.7
NE	.2	1.0	2.4	.8	.4							4.8	9.2
ENE	.1	.7	1.8	1.2	.3							4.1	10.1
E	.3	1.4	2.2	1.8	.2							5.9	9.0
ESE	.1	1.8	3.0	2.1	.4							7.9	9.4
SE	.3	2.1	0.1	7.0	.0							16.3	10.6
SSE	.1	2.7	0.9	8.5	2.5	.1						20.9	11.4
S	.1	2.0	0.9	8.4	4.5	.3	.1					20.9	11.5
SSW	.1	.7	2.1	2.0	.7							6.2	11.1
SW	.1	.5	.9	.9	.1							2.5	9.6
WSW		.3	.3									.6	6.5
W	.1	.6	.1	.1	.1							1.0	7.1
WNW		.3	.4	.2	.1							.7	8.5
NW	.1	.3	.3									.7	6.5
NNW	.1	.3	.2	.1								.7	6.9
VARBL													
CALM												1.2	
	1.3	16.9	36.5	34.9	8.4	.4	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 1827

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUL  
MONTH

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	.2	.4	.4	.2			.2					1.3	9.7
NNE	.2	1.2	1.4	.3	.1							3.1	7.6
NE	.0	2.1	1.4	.6	.2							4.6	7.2
ENE	.2	1.1	2.6	.7	.1	.1						4.9	8.3
E	.1	2.2	4.0	.9								7.8	7.7
ESE	.3	2.2	3.7	2.0	.1							8.3	8.3
SE	.4	5.8	14.4	7.7	.6							28.9	9.3
SSE	.4	2.0	8.6	7.6	1.5							20.3	10.3
S	.4	1.6	4.1	4.5	1.3	.1						12.0	11.0
SSW		.1	.8	.0								1.7	9.7
SW	.2	.3	.6	.1	.1							1.1	7.3
WSW	.1	.2	.3	.1								.6	7.1
W		.1	.2	.1								.3	7.8
WNW		.1	.1	.1	.1							.3	10.7
NW	.1	.2	.1	.1	.1							.5	6.9
NNW	.1	.2	.2	.2	.1							.7	8.8
VARBL													
CALM												3.2	
	3.3	20.9	42.8	25.6	4.2	.1	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

1787

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
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	.6	.3	.1	.1							1.5	5.9
NNE	.6	1.2	.8	.1	.1							2.9	6.3
NE	.6	2.2	1.2	.6	.1							4.6	6.7
ENE	.6	1.5	1.0	.3	.1							3.7	6.6
E	.6	1.8	2.0	.6	.1							5.0	7.2
ESE	.6	3.1	3.9	.9	.1							6.8	7.7
SE	.8	9.7	19.9	4.7	.6							35.7	8.1
SSE	1.1	3.7	12.0	6.2	1.0							24.0	9.3
S	.4	2.1	2.1	1.7	.4	.1						6.8	9.1
SSW		.4	.2	.1								.7	7.1
SW	.1	.3		.1								.4	6.0
WSW			.2									.2	8.3
W	.1	.1	.1									.2	4.8
WNW	.1	.1										.1	4.0
WV		.2										.2	5.3
NNW	.1		.1	.1								.2	7.0
VARBL													
CALM												5.1	
	6.4	26.8	43.6	15.5	2.7	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1787



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	.7	.1	.1							2.6	6.4
NNE	.4	1.0	.8	.1	.1							2.3	5.9
NE	1.0	1.9	.7									3.6	5.0
ENE	.0	.9	.3									1.7	4.3
E	1.0	1.0	.5									2.5	4.7
ESE	.0	3.1	1.7	.3								5.9	5.8
SE	2.2	13.7	17.4	1.3								34.6	6.8
SSE	1.4	3.9	6.6	2.0	.1							14.0	7.6
S	1.3	2.1	3.0	1.2	.1							7.7	7.3
SSW	.1	.5	.2									.8	5.4
SW	.5	.2	.1									.8	4.0
WSW	.4	.4		.1								.9	4.2
W	.4	.3	.1									.9	4.1
WNW		.3	.1									.4	4.6
NW	.3	.3										.6	3.5
NNW	.4	.3	.4	.2		.1						1.3	7.7
VARBL													
CALM												19.5	
	11.2	31.0	32.7	5.2	.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

1841

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURE (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	.4	1.7	.8	.3								3.2	6.0
NNE	.4	1.0	.8	.3								3.0	6.4
NE	.9	.9	1.4	.2	.1							3.5	6.3
ENE	.4	.8	.4	.1								1.6	5.1
E	.5	1.0	.5									2.1	5.2
ESE	.2	2.9	1.7	.3								5.5	6.1
SE	1.7	10.0	14.7	1.0								28.9	7.0
SSE	.8	4.6	6.6	2.6	.1							14.8	8.1
S	1.4	3.0	4.1	2.5	.4							11.4	8.2
SSW	.5	.8	1.4	1.0	.3							4.0	8.9
SW	.2	.9	1.0	.6								2.8	8.1
WSW	.1	.3	.3	.1								.8	6.8
W	.2	.5	.3									1.0	5.6
WNW	.2	.1	.1	.1								.4	5.4
NW	.3	.2	.1									.6	4.1
NNW	.3	.4	.6	.2								1.5	7.1
VARBL													
CALM												14.9	
	8.9	30.4	34.7	10.0	1.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1842

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	1.4	.4								2.9	7.4
NNE	.3	.8	2.0	.6								3.7	7.9
NE		.5	2.3	.6	.1							3.5	8.8
ENE	.2	.4	1.0	.4		.1						2.1	8.7
E	.4	1.2	.7	.2	.1							2.4	6.7
ESE	.3	1.1	2.0	.4								3.9	7.5
SE	.3	2.4	5.1	1.5	.1							9.3	8.1
SSE	.7	2.8	5.9	2.9	.4							12.8	8.8
S	.5	3.8	6.9	5.3	1.6	.1						18.3	10.1
SSW	.7	2.3	6.2	4.9	.9	.2						14.8	10.2
SW	.3	3.2	5.5	2.6	.2							11.8	8.7
WSW	.3	1.7	2.2	1.2								5.4	8.0
W	.2	.9	1.7	.3								3.1	7.5
WNW		.4	.2									.5	6.2
NW	.2	.1	.5	.1								.8	7.2
NNW	.1	.4	.4	.3	.1							1.2	8.9
VARBL													
CALM												3.5	
	4.4	22.0	44.0	21.8	3.4	.4						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1841

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

AUG  
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	.1	1.2	1.2	.8	.1							3.6	7.9
NNE		1.2	2.1	1.0	.1							4.1	8.9
NE	.1	1.1	2.2	.7	.1					.1		4.2	8.6
ENE		.7	2.0	.8		.1						3.5	9.0
E	.2	1.4	2.3	.5	.1							4.4	7.9
ESE	.1	1.8	3.3	1.4		.1						6.6	8.7
SE	.1	2.9	6.0	2.7	.3							12.1	8.8
SSE	.1	2.2	6.5	4.8	.9	.1						14.6	10.1
S	.3	3.3	7.2	5.3	1.5	.2						17.7	10.3
SSW	.2	2.0	4.3	3.7	1.0	.2						11.3	10.4
SW	.4	1.8	1.8	1.0								5.0	7.7
WSW	.1	1.4	1.0	.2								2.7	6.7
W	.4	.9	.9	.2								2.4	6.4
WNW	.2	.7	.5	.1								1.4	6.0
NW	.1	.5	.3	.2								1.1	7.0
NNW	.1	.7	1.1	.5	.2							2.6	9.1
VARBL													
CALM												2.7	
	2.5	23.6	42.7	23.9	4.1	.3				.1		100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

1842



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03945  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

AUG  
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	.1	.8	1.2	.9	.1							3.1	9.0
NNE	.2	1.0	2.8	1.5	.2							5.7	9.1
NE	.2	1.8	2.1	1.0	.1							5.2	8.3
ENE	.1	.9	2.1	.7	.1							3.9	8.8
E	.1	1.7	2.8	1.0	.3							5.8	8.9
ESE	.2	1.9	5.7	2.6	.1							10.5	9.0
SE	.3	2.8	9.1	6.5	.5	.1						19.5	9.6
SSE	.1	2.0	5.8	6.1	.8							14.7	10.7
S	.3	3.1	6.2	6.1	1.4	.1						17.3	10.3
SSW	.2	1.4	1.5	1.6	.4							5.1	9.6
SW	.2	.7	.9	.3	.1							2.1	8.4
WSW	.2	.5	.4	.2	.1							1.5	8.1
W	.2	.4	.4	.1	.1							1.1	6.8
WNW		.2	.3	.1								.3	8.2
NW	.1	.3	.1	.1								.7	6.9
NNW	.1	.3	.5	.4	.1	.1						1.5	10.1
VARBL												1.8	
CALM													
	2.9	19.8	42.0	29.2	4.1	.2						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 1832

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

01943 STATION      FT WOLTERS AAF TEX/HINERAL WELLS STATION NAME      49-65,67-70 YEARS      AUG MONTH

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	.2	1.0	1.1	.7	.2							3.1	8.6
NNE		1.7	1.7	.4								3.8	7.5
NE	.6	2.6	2.0	.6								5.7	6.9
ENE	.0	1.5	1.3	.4	.2							3.9	7.1
E	.4	3.0	3.5	1.2	.1							8.2	7.5
ESE	.4	4.4	6.9	2.4				.1				14.2	8.0
SE	.4	7.6	15.4	6.3	.3							29.9	8.6
SSE	.3	2.6	5.9	5.2	.6	.1						14.7	9.9
S	.4	2.6	3.3	2.1	.4							8.7	8.9
SSW	.1	.7	.6	.2	.1							1.6	7.5
SW	.1	.2	.5	.2	.1			.1				1.1	9.6
WSW	.2	.1	.1	.1			.1					.6	7.8
W	.1	.3	.2	.1								.6	6.5
WNW	.1			.1								.1	8.0
NW	.1	.4	.1	.1								.6	5.3
NNW		.2	.1	.2								.6	10.3
VARBL													
CALM												2.5	
	3.9	28.8	42.5	20.2	1.8	.1	.1	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1783

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943 STATION FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70 YEARS AUG MONTH  
 ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.7	.6	.5	.2							2.8	7.4
NNE	.3	1.2	1.3	.3								3.2	6.9
NE	1.1	2.0	1.6	.2								4.6	6.1
ENE	.9	1.6	1.1	.2								3.7	5.7
E	.6	2.2	1.8	.4								5.3	6.5
ESE	.3	4.3	4.0	.6	.4							10.2	7.0
SE	1.1	10.9	22.7	3.5	.2							38.4	7.7
SSE	.8	3.4	9.2	3.9	.5							17.8	8.8
S	.5	1.5	1.6	1.0	.1							4.7	8.1
SSW	.1	.3	.1		.1							.5	6.9
SW	.2	.3	.1	.1								.6	5.8
WSW	.1	.1			.1							.2	8.3
W	.1	.2	.1									.3	5.7
WNW	.1	.1	.3		.1							.5	8.3
NW	.2	.2	.1									.5	4.5
NNW	.2	.3	.1	.2								.7	6.3
VARBL													
CALM												5.7	
	7.0	29.8	45.4	10.8	1.2							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1777

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	1.6	.8	.2							9.4	7.2
NNE	.8	2.0	1.7	.5	.1							5.0	6.7
NE	1.1	1.8	1.1	.3	.6							4.4	6.1
ENE	.6	1.1	.9	.1								2.8	5.5
E	.5	1.4	1.0									2.9	5.7
ESE	.8	3.6	2.0	.2								6.6	5.9
SE	1.5	10.2	17.8	2.9	.1							32.5	7.4
SSE	.7	2.3	4.9	2.4	.3							10.9	8.9
S	.6	1.0	1.1	1.5	.1							5.1	8.2
SSW	.1	.0	.2	.1								1.0	6.1
SW	.6	.1	.1	.1								.8	4.7
WSW	.4	.3	.1									.6	4.0
W	.5	.3	.1	.1								1.0	5.1
WNW	.1	.1	.2	.1	.1							.6	4.9
NW	.8	.5	.2	.1								1.6	4.8
NNW	.8	.5	.3	.2	.1							1.5	7.2
VARBL													
CALM												17.4	
	9.8	28.8	33.2	9.8	1.0							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1770

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
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	.4	1.9	2.0	.7	.1							5.5	6.0
NNE	.5	1.4	1.6	.5								4.7	7.1
NE	1.1	2.1	.7	.3	.1							4.2	5.6
ENE	.7	1.1	.6	.1								2.4	5.2
E	1.7	1.7	.2									2.9	4.3
ESE	.0	3.6	2.2	.2								6.5	6.0
SE	1.5	16.8	13.7	1.4								27.3	6.9
SSE	.0	2.2	4.6	2.2	.1							9.6	8.4
S	.9	1.3	1.5	.0	.1							4.4	7.1
SSW	.3	.2	.1	.1		.1						.7	7.5
SW	.4	.3	.3	.1								1.2	5.9
WSW	.3	.3	.1									.7	4.3
W	.0	.0	.1	.1								1.5	3.9
WNW	.2	.3	.1	.1	.1							.8	7.4
NW	.8	.0	.8	.1								2.3	6.0
NNW	.3	1.2	.0	.3	.1							2.7	7.2
VARBL													
CALM												23.3	
	10.8	29.4	29.3	6.6	.5	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1776

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WILTERS AAF TFX/MINERAL WELLS  
STATION NAME

49-65,67-70  
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	.9	2.1	2.5	1.1	.1							6.6	7.7
NNE	.5	1.5	1.2	1.0	.1	.1						4.3	8.1
NE	1.2	2.0	1.0	.1	.1	.1						5.2	6.0
ENE	.7	1.3	.6	.2								2.8	5.5
E	.7	1.2	.7	.2		.1						2.9	6.0
ESE	.6	2.6	2.1	.2	.1							5.6	6.6
SE	1.1	9.5	13.1	1.7	.1							25.5	7.3
SSE	.6	2.1	5.9	2.5	.2							11.3	8.7
S	1.2	1.2	2.0	1.4	.2							6.0	8.0
SSW	.2	.6	.4	.5	.1							1.7	8.2
SW	.2	.4	.2									.8	5.3
WSW	.1	.2										.5	3.9
W	.7	1.2	.3									2.3	4.7
WNW	.1	.5	.1	.1	.2							.8	7.9
NW	.7	.8	.6	.2								2.3	5.3
NNW	.3	1.0	.9	.2	.1							3.1	6.3
VARBL													
CALM												14.2	
	10.2	28.9	32.0	9.5	1.0	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1776

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

44-65,67-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
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	.2	1.4	3.0	1.0	.2							5.7	8.4
NNE	.2	1.4	2.9	1.2	.1							5.7	8.4
NE	.3	1.2	2.5	1.2								5.2	8.5
ENE	.3	.9	1.6	.4								3.2	7.6
E	.5	.9	1.8	.6								3.8	7.5
ESE	.4	1.4	1.7	.5								3.7	7.4
SE	.6	2.6	5.1	2.9								11.1	8.6
SSE	.3	2.1	5.2	4.2	.7							12.6	10.1
S	.6	2.8	6.4	5.9	2.0	.2						17.9	10.8
SSW	.2	1.4	3.4	3.2	1.4							9.5	11.1
SW	.3	1.4	2.4	.9	.1							5.0	8.3
WSW	.3	1.0	1.3	.3								2.9	7.0
W	.2	1.0	.6	.5								2.8	6.3
WNW	.1	.4	.4	.3								1.2	7.9
NW	.2	1.0	.5	.5								2.3	7.6
NNW	.2	.5	1.2	.6	.1							2.8	9.1
VARBL													
CALM												4.3	
	5.5	21.2	39.9	24.4	4.5	.2						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1776

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WILTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

SEP  
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	1.2	2.8	1.7	.1							6.2	8.8
NNE	.5	1.4	3.2	2.3								7.7	9.0
NE	.3	1.7	2.6	.8	.2	.1						5.7	8.1
ENE	.2	1.2	1.7		.2							4.0	8.3
E	.5	1.6	3.0	.7	.1							5.7	7.9
ESE	.1	1.4	2.1	1.1	.2							5.0	5.0
SE	.7	2.2	4.6	3.7	.4	.1						11.1	9.7
SSE	.2	1.4	4.5	5.2	1.0							12.4	10.8
S	.3	2.4	6.1	5.4	2.2	.1						16.9	10.9
SSW	.1	.7	2.9	3.4	1.4	.1						8.6	12.0
SW	.2	1.1	1.5	1.1	.2							4.2	8.9
WSW	.1	.6	.9	.2	.1							1.8	7.1
W	.1	.7	.8	.1	.1							1.7	7.2
WNW	.7	.6	.3	.5								1.6	8.0
NW	.1	.8	1.0	.2								2.1	7.2
NNW	.1	.7	1.2	.7	.1	.1						2.9	9.0
VARBL													
CALM												3.7	
	3.4	19.9	39.2	27.8	6.0	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

1774



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943 STATION FT WALTERS AAF TEX/MINERAL WELLS STATION NAME 49-65,67-70 YEARS SEP MONTH 1500-1700 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 COORDINATION

SPEED (KNOTS) 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	.3	1.9	3.5	1.2	.1							7.0	8.4
NNE	.2	1.8	3.6	2.3								7.9	8.9
NE	.3	2.0	3.8	1.5	.1	.1						7.9	8.3
ENE	.3	1.4	2.7	1.6	.1	.1						5.4	8.5
E	.6	1.2	3.1	1.4	.1		.1					6.5	8.2
ESE	.3	1.9	3.5	2.2	.1							7.9	8.9
SE	.5	3.2	6.6	5.3	.3							15.9	9.4
SSE	.4	1.6	4.3	5.4	.9							12.6	10.8
S	.3	1.7	4.5	5.2	1.4	.1						13.6	11.1
SSW	.2	.8	1.4	1.7	.4	.1	.1					4.7	11.0
SW	.1	.6	.5	.7	.1							2.0	9.2
WSW	.1	.2	.6									.9	7.1
W	.1	.2	.5									.7	6.8
WNW	.1	.3	.2	.1								.7	7.2
NW	.1	.3	.6	.5								1.4	9.1
NNW	.2	.6	1.1	.6								2.4	8.5
VARBL													
CALM												2.6	
	3.9	19.7	60.4	29.5	3.3	.3	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 1763

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943 STATION FT WILTERS AAF TEX/MINERAL WELLS STATION NAME 49-65,67-70 YEARS SEP MONTH 1800-2000 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	.9	1.7	2.0	.9	.2							5.7	7.4
NNE	.5	2.9	1.7	.9	.2	.1						6.2	7.5
NE	1.3	2.9	2.9	.8								7.9	6.6
ENE	.6	2.4	2.8	.4	.1							6.2	6.8
E	.7	3.7	3.9	.8	.2							9.2	7.3
ESE	.3	3.7	4.0	.8								10.8	6.7
SE	.6	7.7	12.7	4.0	.5							25.5	8.1
SSE	.5	1.4	4.7	3.8	.4	.1						17.4	9.7
S	.8	1.8	2.4	1.6	.1							6.4	8.2
SSW	.2	.2	.3	.1								.9	6.6
SW	.2	.3	.2									.7	4.8
WSW	.1	.1	.1	.1								.2	7.3
W	.1	.2	.1			.1						.4	8.0
WNW	.1		.1	.1								.2	8.3
NW	.2	.2	.2	.2								.8	6.8
NNW		.6	.8	.1	.1							1.6	8.2
VARBL													
CALM												7.3	
	7.1	31.3	38.7	13.6	1.7	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1730

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.0	.6	.7	.1							4.3	6.6
NNE	1.1	2.5	1.6	.6								5.7	6.4
NE	1.7	3.6	1.6	.3	.1							7.4	5.6
ENE	.7	1.3	1.4	.2	.1							3.6	6.2
E	.7	2.2	2.6	.3								5.8	6.7
ESE	.3	3.6	4.0	1.0	.2							9.1	7.3
SE	.9	9.6	17.2	3.6	.1							31.4	7.9
SSE	.1	2.5	5.9	3.4	.3							12.2	9.4
S	.1	1.3	1.8	.6	.1							3.9	8.1
SSW	.1	.1	.3			.1						.6	8.0
SW	.2	.2	.1	.1	.1							.5	7.1
WSW	.2		.1	.1								.4	7.4
W	.3	.4		.1	.1							.9	5.8
WNW	.2	.1	.3	.1	.1							.8	8.3
NW	.2	.3	.1	.1								.8	6.2
NNW	.2	.5	.6	.2	.1							1.6	7.4
VARBL													
CALM												10.7	
	8.4	30.1	38.2	11.6	1.1	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1727

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03947  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

JCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
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	1.1	2.9	2.2	1.0	.2	.1						7.4	7.2
NNE	.6	1.8	1.4	.3								4.3	6.6
NE	.5	1.6	.5	.2								2.8	5.6
ENE	.3	.6	.1									1.0	4.3
E	.3	.6	.6	.1	.1							1.8	7.1
ESE	.7	2.1	1.1	.3								3.8	6.6
SE	.8	7.0	16.4	3.2	.4							28.4	8.0
SSE	.6	1.8	5.2	4.0	.5	.1						12.2	9.6
S	.7	1.9	1.6	.9		.1						5.1	7.4
SSW	.3	.2	.1	.1								.7	6.0
SW	.2	.3	.1	.1								.5	5.7
WSW	.3	.9	.4	.1								1.7	5.2
W	.4	1.1	.3		.1							2.4	4.8
WNW	.7	.3	.3	.1								.9	6.8
NW	.5	.8	.5	.3								2.1	5.1
NNW	.5	1.0	1.3	.4								3.3	7.2
VARBL													
CALM												21.6	
	8.1	25.6	32.2	11.2	1.2	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1868

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03942  
STATION

FT WILMERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

JCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.5	2.3	.9	.1	.1						6.6	7.3
NNE	.3	1.9	.9	1.0	.1							4.2	7.5
NE	.7	1.4	.8	.1								3.0	3.3
ENE	.7	.7	.1									1.5	4.1
E	.5	.4	.5		.1							1.8	6.1
ESE	.4	1.3	1.4	.3	.1							3.5	6.8
SE	.8	8.4	12.8	2.1	.3							24.4	7.4
SSE	.7	2.0	4.6	2.4	.2							10.0	8.8
S	.8	1.9	1.9	.5	.1							5.1	7.0
SSW	.5	.1	.2									.8	4.1
SW	.9	.5	.2									1.6	4.0
WSW	.5	.9	.3	.1								1.8	5.1
W	1.2	1.6	.4									3.1	4.5
WNW	.7	.5	.7	.2	.2							1.7	8.5
NW	.7	.9	.9	.2								2.8	6.3
NNW	.3	1.2	1.9	.7								4.1	7.7
VARBL													
CALM												24.0	
	10.0	76.7	29.7	8.6	.9	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1904

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

001  
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	.3	2.4	2.8	1.8	.2							7.6	8.2
NNE	.3	1.4	1.7	.8	.1							4.2	7.7
NE	.3	1.4	.7	.2								2.7	5.6
ENE	.3	.6	.2									1.0	5.1
E	.3	.6	.3	.1								1.6	5.3
ESE	.4	1.3	1.7	.2	.1							3.7	7.2
SE	1.3	6.9	12.9	2.6	.1							23.7	7.5
SSE	.9	3.0	5.9	2.8	.3							12.9	8.5
S	.7	1.9	1.9	.7	.1	.1						5.3	7.3
SSW	.3	.4	.3	.1								1.0	5.6
SW	.3	.4	.1									.9	4.7
WSW	.6	.9	.1	.2								1.8	5.3
W	1.2	2.0	.7	.1	.1							4.0	4.9
WNW	.4	.5	1.1	.4								2.3	7.7
NW	1.1	.7	.8	.5	.2							3.4	7.0
NNW	.5	.8	1.7	.4	.3							4.1	8.4
VARBL													
CALM												19.9	
	9.7	25.2	32.9	11.1	1.2	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1916

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEAR

UCT  
CLASS

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	.1	1.2	3.5	2.9	.0							8.5	10.6
NNE	.1	1.2	1.0	1.4	.3							4.7	9.3
NE	.3	.9	1.4	.7	.1							3.3	8.3
ENE	.1	.4	1.3	.3	.1							2.1	8.2
E	.4	.8	1.0	.1								2.1	6.5
ESE	.1	.7	1.6	.6								3.0	8.5
SE	.4	2.8	4.1	2.6	.4							10.2	8.8
SSE	.2	2.3	5.8	4.3	1.1							13.7	10.1
S	.4	2.7	6.1	6.3	1.8	.1						17.9	10.5
SSW	.3	1.4	2.0	3.1	1.0							7.8	11.0
SW	.4	.8	1.4	1.0	.2							3.8	9.0
WSW	.2	1.0	1.0	.3	.2							2.6	7.9
W	.3	1.2	.7	.2	.1							2.5	6.4
WNW	.4	.7	.7	.5	.3							2.5	9.0
NW	.3	.7	1.1	1.0	.1							3.3	9.1
NNW	.3	1.0	2.2	2.2	.4							6.1	10.1
VARBL													
CALM												5.6	
	4.4	19.8	35.6	27.6	6.8	.1						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

1913

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

0CT  
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	.3	1.4	3.0	3.3	.4	.1						9.2	10.2
NNE	.2	.9	2.0	1.3	.2							4.7	9.1
NE	.1	1.2	1.8	.6								3.6	7.9
ENE	.2	.6	1.4	.2	.1							2.4	7.5
E	.2	1.2	.8	.1								2.2	6.3
ESE	.1	1.0	1.9	.9	.2							4.1	8.8
SE	.3	1.5	4.0	2.7	.5							9.1	9.9
SSE	.2	1.2	3.0	4.7	1.5	.2						11.5	11.7
S	.2	2.9	4.7	8.3	3.1	.2						19.3	12.0
SSW	.1	1.5	2.6	3.6	.8	.2	.1					8.6	11.1
SW	.4	1.0	1.7	1.1	.3	.1						4.6	9.2
WSW	.2	1.0	1.0	.5	.1							2.8	7.5
W	.1	.7	.5	.3	.1							1.7	7.9
WNW	.2	.7	.6	.7	.4	.1						2.7	10.4
NW	.2	.6	1.4	1.9	.3							4.3	10.9
NHW	.3	.7	2.1	1.9	.9							5.9	11.0
VARBL													
CALM												3.1	
	3.1	18.1	34.2	32.3	8.6	.7	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

1913



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 03943 STATION NAME FT WALTERS AAF TEX/MINERAL WELLS YEARS 49-70 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	.3	1.3	4.3	2.3	.5							9.1	9.9
NNE	.3	1.5	2.3	1.6	.2							5.7	8.7
NE	.3	1.5	1.9	.3								4.2	6.8
ENE	.3	.9	1.3	.2								2.7	7.0
E	.4	.7	1.2	.3	.1							2.7	7.5
ESE	.2	1.4	2.9	.7	.1							5.2	8.1
SE	.4	2.9	9.8	3.4	.6							13.1	9.3
SSE	.3	1.4	5.3	5.7	1.8	.1						14.6	11.4
S	.3	1.6	5.2	7.3	2.6							17.0	11.7
SSW	.2	.7	1.7	1.7	.4	.1						4.7	10.3
SW	.3	.9	.9	.6	.2							2.8	8.1
WSW		.5	.5	.1	.1							1.2	7.9
W	.2	.9	.5	.2								1.8	6.6
WNW		.4	.5	.6	.4	.1						2.0	11.4
NW	.2	.5	1.0	.8	.4							2.9	10.4
NNW	.1	.9	2.2	2.2	.9							6.6	11.4
VARBL													
CALM												3.7	
	3.0	18.1	37.5	28.9	8.0	.2						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 1910

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03945 STATION FT WOLTERS AAF TEX/MINERAL WELLS 49-70 YEARS  
 ALL WEATHER CLASS 1800-2000 MONTH HOURS (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	.7	3.0	2.6	1.5	.2	.1	.1					8.4	8.2
NNE	.7	2.2	1.5	.5	.2							5.1	6.9
NE	1.1	1.8	.9	.2								3.9	5.5
ENE	.5	1.2	.7	.1								2.6	5.6
E	.2	2.1	1.8	.4								4.5	6.8
ESE	.4	2.7	3.4	.5								7.0	6.9
SE	.9	7.8	12.3	2.2	.2							23.4	7.5
SSE	.5	2.4	2.6	3.7	.7							16.8	9.3
S	.3	2.3	4.0	1.1	.2	.1						7.9	8.3
SSW		.4	.3	.1								.8	7.7
SW	.1	.6	.2	.1								.9	5.8
WSW	.2	.1	.2		.1							.5	6.3
W	.4	.1	.2									.7	4.0
WNW		.4	.7	.3	.1							1.6	9.5
NW	.2	.7	1.0	.3								2.1	7.5
NNW	.4	1.3	1.5	1.0	.2							4.5	8.3
VARBL													
CALM												9.5	
	9.7	29.1	40.6	12.9	1.9	.2	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1841

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

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

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70 UCT  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER  
CLASS  
 2100-2300  
HOURS (L.S.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.9	2.1	1.0	.3							8.1	7.9
NNE	1.2	1.5	1.5	.7	.1							4.9	6.7
NE	1.2	1.0	.8	.1	.1							3.0	5.4
ENE	.6	.8	.4	.1	.1							2.0	5.0
E	.5	.7	.7	.1								2.0	5.6
ESE	.3	1.0	2.4	.5	.1							5.0	7.4
SE	.8	6.4	19.6	3.1	.3							30.3	8.1
SSE	.4	2.6	8.0	4.0	.5							15.5	9.4
S	.2	1.6	1.5	1.2	.2							4.7	8.5
SSW	.2	.3	.1	.2								.0	6.6
SW	.7	.8	.1									1.1	4.0
WSW	.1	.1	.1		.1							.3	7.2
W	.4	.4	.3									1.1	4.9
WNW	.1	.1	.1	.3	.1							.7	10.3
NW	.3	.9	1.0	.1								2.4	6.6
NNW	.4	1.0	.8	.5	.4							3.5	7.2
VARBL													
CALM												14.6	
	8.5	23.0	39.6	12.4	1.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1821

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-69  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
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	1.0	2.0	2.5	1.9	.5							7.9	8.5
NNE	.6	1.9	1.7	.5	.2							4.9	7.4
NE	.2	1.0	.5	.1								2.1	5.3
ENE	.7	.5	.3	.1								1.5	5.0
E	.1	.4	.4	.2								1.1	7.1
ESE	.6	1.5	1.1	.2								3.4	6.1
SE	.5	4.6	12.3	2.3	.1							19.8	8.1
SSE	.2	1.9	5.0	3.5	.3							10.8	9.7
S	.2	1.1	1.9	1.2	.3	.1						4.8	9.6
SSW	.2	.2	.3	.3	.1							1.2	8.7
SW	.2	.7	.2	.4	.1							1.6	8.6
WSW	.4	1.7	.4	.2								2.7	5.7
W	1.0	2.0	.6	.4								4.0	5.8
WNW	.4	.7	.4	.5	.1	.1						2.2	8.5
NW	.4	1.5	1.7	.8	.1							4.5	7.5
NNW	.7	.8	1.1	1.5	.8	.1						5.0	10.5
VARBL													
CALM												22.5	
	7.8	22.6	30.3	14.1	2.6	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1688

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.8	3.0	1.9	.3							7.7	8.7
NNE	.4	1.4	1.1	.9								3.8	7.4
NE	.7	.2	.1	.1								1.1	4.0
ENE	.5	.4	.5	.1								1.5	5.9
E	.9	.7	.3	.1								2.5	4.8
ESE	.3	1.4	1.1	.1	.1							3.0	6.4
SE	.9	5.9	11.7	1.4								19.9	7.6
SSE	.5	2.3	3.9	1.9	.3	.1						9.0	8.7
S	.3	1.1	1.5	1.3	.5							4.8	9.7
SSW	.2	.6	.5	.1								1.7	6.2
SW	.4	.7	.5	.1	.1							1.7	6.5
WSW	.3	1.1	.5	.1								1.7	5.5
W	1.2	2.9	.4	.3	.1							4.9	5.5
WNW	.3	1.0	.6	.5	.1							2.4	7.8
NW	.5	1.1	2.2	1.2		.1						5.1	8.6
NNW	.5	1.8	1.8	2.2	.7	.1						7.2	10.0
VARBL													
CALM												22.8	
	8.5	4.6	29.5	12.3	2.1	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1761

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

ST WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

NDV  
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	.7	2.1	2.5	2.3	.2	.1						7.5	8.8
NNE	.5	.9	1.3	.6								3.4	7.6
NE	.7	.8	.6	.1								2.2	5.5
ENE	.0	.3	.6									1.7	5.2
E	.4	.5	.8	.1	.1							1.8	6.3
ESE	.4	1.1	1.3	.1								3.0	6.7
SE	.4	4.7	9.7	1.9	.1							16.7	7.7
SSE	.8	2.3	4.7	2.4	.2	.1						10.6	8.7
S	.2	1.3	1.9	1.2	.1		.1					4.8	8.9
SSW	.4	.6	.2	.1	.2							1.4	6.8
SW	.0	.0	.3	.2								1.6	5.5
WSW	.2	1.3	.6	.3	.1		.1					2.5	7.3
W	.7	2.3	1.2	.2	.1							4.5	5.8
WNW	.4	1.2	.8	.6	.1							3.1	7.3
NW	.6	1.1	1.9	1.3								5.6	8.0
NNW	.5	1.2	2.4	2.2	.7	.1						7.2	10.5
VARBL													
CALM												22.0	
	8.2	23.2	30.9	13.6	1.7	.2	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1815

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/4AC

**SURFACE WINDS**

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

03943  
STATION

FT WILTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

NIJ  
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	.3	1.7	3.6	2.9	1.2	.2						9.9	10.7
NNE	.1	1.1	1.7	1.9	.1	.1						5.0	9.9
NE	.1	.5	1.0	.7	.2							2.4	9.5
ENE	.2	.5	.6	.2								1.5	7.2
E	.1	.1	.7	.3								1.3	7.9
ESE	.2	.2	1.3	.6	.2							2.9	8.6
SE	.3	2.1	4.6	2.3	.2							9.5	8.8
SSE	.2	1.9	4.7	3.8	.8	.1						11.5	10.2
S	.4	2.5	4.8	4.8	1.3	.1						13.0	10.4
SSW	.2	.7	1.2	2.0	.7	.2						5.0	12.0
SW	.2	1.0	1.5	1.3	.5	.2	.1					4.9	11.2
WSW	.2	.6	.7	.8	.2		.1	.1				2.4	10.5
W	.5	1.3	1.8	.8	.3	.1						5.0	8.0
WNW	.2	1.0	1.2	.8	.2							3.4	8.9
NW	.1	1.2	1.4	1.7	.4	.1						4.8	10.2
NNW	.3	1.0	2.4	3.6	1.0	.2		.1				8.6	12.1
VARBL													
CALM												8.0	
	3.0	18.1	33.0	28.6	7.2	1.0	.1	.1				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 1816

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

NOV  
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	.2	1.0	3.3	2.0	1.4	.1						9.4	11.1
NNE	.4	1.0	1.8	1.4	.1	.1						4.8	9.2
NE	.1	.5	1.2	.6	.1							2.4	9.0
ENE		.4	.5	.2								1.0	8.1
E	.1	.6	.4	.2								1.2	7.4
ESE	.2	.8	1.4	.3	.2							2.9	8.5
SE	.3	1.5	3.5	2.2	.1							7.6	9.3
SSE	.3	1.1	2.1	3.2	.0	.1						7.8	11.0
S	.2	1.4	4.3	6.0	2.7	.1						14.7	12.2
SSW	.2	1.0	1.5	4.9	1.9	.2						9.8	13.1
SW	.6	1.0	1.9	2.5	.7	.2						6.9	10.8
WSW	.1	.6	1.3	1.4	.7	.1						4.1	11.4
W	.4	1.0	1.4	1.0	.3	.2	.2					4.6	10.4
WNW	.2	.7	1.5	1.0	.2							3.6	9.3
NW	.2	1.3	1.8	2.6	.5	.2						6.6	10.9
NNW	.2	.8	2.5	4.4	1.4	.2	.1					9.7	12.8
VARBL													
CALM												2.9	
	3.5	15.2	30.6	34.7	11.2	1.5	.3					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 1818



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.9	3.8	2.9	.9	.3						9.8	10.7
NNE	.3	1.2	1.7	1.1	.2		.1					4.5	2.9
NE	.2	.9	.9	.7								2.7	7.9
ENE	.2	.7	.9	.2								2.0	7.1
E	.1	.8	.9	.1								1.8	6.9
ESE	.1	1.2	2.2	.5	.1							4.1	8.1
SE	.3	2.0	4.1	2.4	.2							9.0	9.2
SSE	.3	.7	3.3	4.2	.7	.1						9.3	11.1
S	.6	1.8	4.8	5.4	2.7	.2						16.0	11.8
SSW	.3	.9	2.2	3.1	1.3	.1						7.8	11.5
SW	.2	.7	2.0	.7	.4	.1						4.3	9.6
WSW	.2	.5	1.3	1.0	.3							3.4	10.1
W	.3	1.2	1.0	.6	.3	.2						3.5	9.4
WNW	.3	.7	1.3	.7	.3							3.3	9.1
NW	.1	1.3	2.7	1.7	.6	.1						6.4	10.2
NNW	.6	.8	2.8	3.4	1.0	.1						8.7	11.2
VARBL													
CALM												3.5	
	4.1	17.3	36.1	29.0	8.9	1.0	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1811

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 03943 STATION NAME: FT WALTERS AAF TEX/MINERAL WELLS YEARS: 49-70 MONTH: NOV  
 CLASS: ALL WEATHER MONTH: 1800-2000  
 HOUR: 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	.7	3.3	3.6	1.7	.5	.1						10.0	8.3
NNE	.3	1.1	1.3	.5	.2							3.6	7.8
NE	.9	1.7	.7		.1							3.5	5.4
ENE	.2	1.6	1.0	.1								2.9	6.3
E	.1	1.9	.6	.1			.1					2.7	6.4
ESE	.3	1.6	2.1	.4								4.4	6.9
SE	.9	3.7	10.3	2.7	.2	.1						18.3	8.4
SSE	.1	1.1	7.4	3.4	.6							12.7	9.8
S	.2	1.5	5.6	2.6	.4							10.4	9.6
SSW	.2	.6	1.1	.2	.1							2.3	8.0
SW	.5	1.1	.4	.1								2.0	5.3
WSW	.2	.9	.7	.2								1.9	7.2
W	.3	1.1	.3	.2								1.8	5.4
WNW	.2	.7	.4		.3							1.6	7.9
NW	.5	1.7	1.9	.2	.1	.1						4.5	7.1
NNW	.6	1.5	1.5	1.4	.5							5.5	9.0
VARBL													
CALM												12.0	
	6.3	25.3	39.5	13.7	2.9	.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1746

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.3	2.4	2.8	.6							8.7	9.5
NNE	1.2	1.9	1.2	.4	.1							4.8	6.1
NE	.8	1.6	.1	.1								2.6	4.8
ENE	.2	1.1	.5	.1								1.9	5.6
E	.3	.9	.6									1.8	5.8
ESE	.2	1.8	1.3									3.4	6.3
SE	.8	4.2	14.2	4.9	.3							24.4	8.8
SSE	.2	1.7	5.2	4.3	.4	.1						11.8	10.1
S	.2	1.6	1.9	1.6	.5							5.9	9.5
SSW	.1	.3	.4	.2	.1							1.2	9.5
SW	.2	.6	.4	.2								1.3	6.7
WSW	.4	.6	.4									1.3	4.9
W	.8	.9	.8	.1								2.6	5.5
WNW	.3	.9	.4	.4	.4							2.3	8.9
NW	.4	1.2	1.6	.3	.1							3.6	7.4
NNW	.3	1.1	1.7	1.3	.3	.2						4.9	9.6
VARBL													
CALM												17.9	
	7.8	22.7	33.1	16.6	2.8	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1707

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-69  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
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	2.6	2.6	1.8	.5							8.1	8.7
NNE	.2	1.3	1.6	.6	.1							3.8	8.0
NE	.6	1.1	.5	.2								2.4	6.1
ENE	.1	.5	.1									.7	5.0
E	.1	.9	.2	.1								1.4	5.9
ESE	.5	.8	1.6	.3								3.3	6.9
SE	.8	4.9	11.4	3.0	.3							20.5	8.3
SSE	.5	2.0	4.4	2.6	.4	.1						9.9	9.3
S	1.0	1.3	1.1	1.3	.2							4.9	8.0
SSW	.2	.5	.9	.2	.1							1.8	7.9
SW	.5	.8	.9	.4	.4							2.9	8.9
WSW	.2	1.1	.5	.1		.1						1.9	6.3
W	1.2	2.8	1.0	.4	.1							5.5	6.1
WNW	.2	.9	.7	.6	.3	.1						2.8	9.3
NW	.5	1.6	1.9	1.4	.4							5.7	8.7
NNW	.2	2.1	1.4	2.0	.6							6.3	9.5
VARBL													
CALM												18.1	
	7.4	25.1	30.9	15.0	3.3	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1701

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 03943 STATION NAME FT WALTERS AAF TEX/MINERAL WELLS YEARS 49-69 MONTH DEC  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.8	2.9	2.2	.5							8.2	9.4
NNE	.4	1.1	1.5	.6	.1							3.7	7.6
NE	.3	1.5	.7	.2								2.7	5.8
ENE	.1	.3	.2	.1								.7	7.3
E	.3	.5	.6									1.4	5.9
ESE	.2	1.7	1.4	.3								3.7	7.0
SE	.6	4.3	10.5	2.6	.2							18.1	8.3
SSE	.6	1.7	4.5	1.5	.1		.1					8.4	8.5
S	.4	1.1	1.3	1.1	.1	.1						4.0	8.7
SSW	.4	.7	.5	.5	.1							1.9	8.1
SW	.3	1.1	.9	.5	.2							3.1	7.6
WSW	.6	1.2	.7	.3	.3							3.1	7.5
W	.5	2.6	1.6	.2	.2							5.2	6.6
WNW	.3	1.0	1.2	.6	.6							3.7	9.6
NW	.5	1.1	1.0	1.6	.6							4.7	10.0
NNW	.5	1.0	2.1	2.0	.6	.1						6.3	10.3
VARBL													
CALM												21.1	
	6.5	22.7	31.6	14.2	3.5	.2	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1741

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

DEC  
MONTH

ALL WEATHER

0600-0800  
HOURE (L.S.T.)

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	.7	1.5	2.7	1.8	.4							7.1	8.8
NNE	.5	.8	1.5	.7								3.4	7.8
NE	.4	.8	1.0	.1								2.3	6.2
ENE	.1	.3	.2	.1								.7	6.7
E	.4	.7	.3	.1								1.4	5.3
ESE	.5	1.0	1.2	.3	.1							3.0	7.0
SE	.6	3.2	9.9	3.1	.4	.1						17.3	8.7
SSE	.7	2.0	4.8	1.7	.1							9.3	8.1
S	.9	1.8	1.7	1.0	.1							5.6	7.2
SSW	.4	.6	.5	.2								1.7	6.5
SW	.6	.4	.7	.3	.1							2.0	6.8
WSW	.4	1.2	1.1	.1								2.9	6.3
W	1.2	2.7	2.1	.7	.2							6.9	6.6
WNW	.2	.9	1.2	1.1	.2							3.6	7.6
NW	.7	1.1	1.7	1.9	.4	.1	.1					5.9	9.8
NNW	.7	1.8	2.8	2.5	.4	.3	.1					8.5	10.0
VARBL													
CALM												18.5	
	9.0	20.8	33.3	15.5	2.4	.4	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1844

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

DEC  
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	.3	1.7	3.1	3.4	.7	.1						9.3	10.2
NNE	.3	.5	1.5	.5	.2							3.1	8.4
NE	.2	.4	1.0	.5								2.2	8.4
ENE	.1	.3	.4	.4								1.2	8.4
E	.1	.4	.1	.2								.8	7.0
ESE	.2	.8	1.2	.1								2.3	7.1
SE	.2	1.9	5.7	3.8	.4							11.9	9.8
SSE	.4	2.8	4.9	3.3	.5							11.9	9.3
S	.6	2.3	2.8	2.6	.6	.2						9.2	9.8
SSW	.2	.9	1.1	1.4	.9	.1						4.6	11.3
SW	.4	1.0	1.1	1.0	.4	.1						3.9	9.4
WSW	.4	1.0	1.4	1.4	.4	.2						4.7	10.0
W	.5	1.9	1.8	.7	.4							5.3	8.0
WNW	.2	1.0	1.8	.9	.5	.1						4.5	10.1
NW	.6	1.1	2.7	2.6	1.0	.2						8.2	10.9
NNW	.3	.6	3.4	3.6	1.0	.1	.2					9.1	11.6
VARBL													
CALM												7.8	
	5.0	18.7	34.1	26.4	6.9	1.0	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 1851

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WULFERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	3.2	3.4	.5	.1						8.7	11.0
NNE	.1	.7	2.1	.6								3.5	8.3
NE	.1	.3	1.3	.6								2.3	8.6
ENE		.2	.6	.2								.9	8.9
E	.1	.7	.5	.3								1.5	7.2
ESE	.1	.4	1.1	.2	.1							1.8	8.8
SE	.4	.9	2.4	2.4	.1	.1						6.3	9.7
SSE	.2	1.1	3.8	3.4	.7	.2	.1					9.3	11.1
S	.7	1.4	2.9	4.4	1.8	.2						11.3	11.8
SSW	.2	.7	2.4	4.4	1.9	.7						10.2	13.2
SW	.6	1.3	1.4	2.8	.9	.3	.1					7.3	11.2
WSW	.3	.8	1.5	1.7	.9	.4	.1	.1				5.4	12.0
W	.2	1.1	2.3	1.9	.6	.1						6.0	10.2
WNW	.1	.8	1.5	1.1	.8	.1						4.4	11.1
NW	.4	.8	2.7	3.5	1.0	.4						8.7	11.7
NNW	.1	.4	3.1	4.5	1.3	.1	.1					9.5	12.4
VARBL													
CALM												2.7	
	3.5	12.6	32.8	35.2	10.4	2.4	.3	.1				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

1809



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 03943 STATION NAME FT WOLTERS AAF TEX/MINERAL WELLS YEARS 49-70 MONTH DEC  
 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	.3	1.9	3.0	2.9	.5	.2						9.6	10.0
NNE	.1	1.7	2.0	.5	.1							4.3	7.6
NE	.3	.6	1.9	.8								3.6	8.5
ENE	.1	.5	.3	.1								1.0	6.4
E		.7	.7	.2								1.5	7.5
ESE	.1	1.0	1.5	.8								3.5	8.5
SE	.3	1.3	3.8	1.9	.2							7.5	9.1
SSE	.3	.7	3.8	3.7	.7	.1						9.2	11.0
S	.3	1.1	4.2	5.0	1.4	.2						12.2	11.7
SSW		.7	2.0	3.9	1.1	.1						7.8	12.1
SW	.1	.9	1.4	1.9	.3	.1						4.7	10.7
WSW	.3	1.2	1.2	.7	.4	.1	.1					3.9	9.7
W	.4	.7	1.9	1.2	.3	.1	.1					4.6	9.6
WNW	.3	.5	1.5	1.2	.4							3.9	10.4
NW	.6	1.4	2.9	2.8	1.0	.1						8.7	10.3
NNW	.2	.9	2.9	3.9	1.2	.1	.1					9.3	11.8
VARBL													
CALM												4.0	
	3.8	15.8	35.6	31.5	7.5	.9	.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 1777

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

DEC  
MONTH

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	1.1	3.3	2.9	2.0	.4	.1						9.6	8.2
NNE	.5	2.2	1.9	.4								5.0	6.7
NE	.5	2.3	1.9	.4								5.0	6.6
ENE	.4	.5	.2									1.1	4.8
E	.3	1.4	1.1	.1			.1					2.9	6.8
ESE	.2	1.3	1.9	.2	.1							3.7	7.6
SE	.2	3.4	10.3	3.0	.4							17.5	8.7
SSE	.1	1.6	6.8	3.7	.2							12.4	9.4
S	.5	1.1	5.3	1.8	.4	.1						9.1	9.3
SSW	.1	.6	1.0	.1								1.8	7.2
SW	.4	1.3	.7	.1								2.5	6.1
WSW	.4	1.1	.5	.1	.1	.1						2.1	6.4
W	.3	.8	.4	.4	.1							2.0	7.4
WNW	.2	.7	.8	.4	.2	.1						2.3	8.8
NW	.7	2.0	2.4	1.7								6.8	8.0
NNW	.6	1.3	2.2	1.9	.5	.1						6.7	9.6
VARBL													
CALM												9.5	
	6.4	24.9	40.3	16.2	2.2	.4	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1712

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.8	3.0	2.5	.9	.1	.1					9.8	9.1
NNE	.4	1.3	1.7	.6	.1							4.0	7.4
NE	.8	1.5	1.1	.3								3.6	5.9
ENE	.3	.9	.2	.1								1.5	3.3
E	.4	.5	.5	.1	.1							1.5	5.8
ESE	.4	1.3	1.2	.4	.1							3.3	6.9
SE	.2	4.3	11.7	5.3	.3							21.8	9.0
SSE	.6	2.7	5.1	4.4	.5							13.3	9.3
S	.5	1.0	1.9	.9	.6							5.0	9.4
SSW	.2	.4	.1	.5	.1							1.4	9.3
SW	.4	1.0	.8	.2								2.4	6.4
WSW	.5	1.4	.3	.3	.1							2.5	6.2
W	.5	1.3	.6	.1	.2							2.7	7.1
WNW	.5	.8	.5	.4	.2	.1						2.5	8.6
NW	.6	1.4	1.7	1.0	.1							4.7	8.1
NNW	.4	1.6	1.9	1.6	.3	.1						6.0	9.3
VARBL													
CALM												14.0	
	7.6	24.0	32.3	18.7	3.1	.4	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1694

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
CONDITION

AND/HR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.7	5.6	3.9	.6	.1	.0					13.4	9.7
NNE	.4	2.0	2.6	1.1	.1	.0						6.3	8.2
NE	.4	1.7	2.2	.7	.1	.0						5.1	7.8
ENE	.4	1.2	1.4	.4	.1	.0						3.4	7.5
E	.3	1.2	1.5	.6	.0	.0	.0					3.5	7.8
ESE	.3	1.3	2.4	1.2	.2	.0						5.4	8.7
SE	.4	2.4	6.4	4.9	.6	.0						14.7	9.9
SSE	.3	1.7	4.1	4.0	.7	.0	.0					10.8	10.4
S	.5	1.2	2.1	1.5	.3	.0	.0					5.6	9.4
SSW	.2	.4	.4	.3	.0	.0						1.3	8.4
SW	.2	.3	.2	.1	.1	.0						.9	7.6
WSW	.1	.5	.3	.2	.2	.1	.0	.0				1.4	10.9
W	.1	.7	.7	.5	.2	.0	.1	.0				2.4	10.5
WNW	.1	.6	.9	.8	.3	.1	.0	.0				2.8	10.5
NW	.2	1.2	2.3	2.0	.5	.1						6.3	10.3
NNW	.2	1.4	3.8	4.4	1.1	.2	.0					11.3	11.3
VARBL													
CALM												5.9	
	4.4	20.3	36.8	26.6	5.4	.8	.2	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 13003

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D

## CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

#### ADDITIONAL EXAMPLES

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

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

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

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

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73973 STATION FT WINTERS AAF TEX/MINERAL WELLS 49-70 YEARS ALL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	63.3	64.7	64.9	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4
≥ 20000	70.0	71.7	71.7	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3
N 18000	70.1	71.7	71.9	72.1	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5
N 16000	70.3	71.9	72.1	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
N 14000	71.0	73.2	73.4	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	74.0
N 12000	71.1	73.4	73.7	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2
N 10000	71.1	73.9	74.1	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.8
N 9000	71.7	74.5	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.3
N 8000	71.7	74.5	74.7	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.4
N 7000	72.4	75.3	75.5	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.2
N 6000	73.1	76.0	76.2	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.9
N 5000	73.4	76.5	76.7	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.4
N 4500	73.9	77.0	77.2	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.9
N 4000	74.5	77.6	77.8	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.5
N 3500	75.0	78.1	78.3	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	79.0
N 3000	75.6	78.6	78.8	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.5
N 2500	76.2	79.3	79.5	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.2
N 2000	76.9	79.9	80.1	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.8
N 1800	77.5	80.6	80.8	81.0	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.5
N 1500	78.1	81.2	81.4	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1
N 1200	78.7	81.7	81.9	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.6
N 1000	79.3	82.3	82.5	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.2
N 900	79.9	82.9	83.1	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.8
N 800	80.5	83.5	83.7	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.4
N 700	81.1	84.1	84.3	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	85.0
N 600	81.7	84.7	84.9	85.1	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.6
N 500	82.3	85.3	85.5	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.2
N 400	82.9	85.9	86.1	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.8
N 300	83.5	86.5	86.7	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.4
N 200	84.1	87.1	87.3	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	88.0
N 100	84.7	87.7	87.9	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.6
N 0	85.3	88.3	88.5	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.2

TOTAL NUMBER OF OBSERVATIONS 171617



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 04063 FT WALTERS AAF TEX/MINERAL WELLS YEARS 49-68,67-70 MONTH JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.0	55.5	55.5	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.2	56.3
≥ 20000	60.4	62.4	62.6	62.7	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.2	63.3	63.4
IV 18000	61.3	62.7	62.9	63.1	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.6	63.6
IV 16000	62.8	64.3	64.4	64.6	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.2	65.3
IV 14000	64.0	65.1	65.2	65.4	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.9	65.9	66.0	66.1
IV 12000	66.1	67.0	67.0	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.4	68.4	68.5	68.7
IV 10000	67.3	67.9	68.0	68.5	68.5	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.9	68.9	69.0	69.2
IV 9000	67.9	67.9	69.0	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.8
IV 8000	69.2	69.7	69.7	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.4	70.4	70.5	70.6
IV 7000	70.4	70.7	70.7	71.0	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.5	71.6
IV 6000	71.8	71.8	71.9	72.2	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.6	72.7	72.7	72.8	72.9
IV 5000	72.9	72.9	73.0	73.2	73.2	73.2	73.4	73.4	73.4	73.4	73.5	73.5	73.6	73.6	73.7	73.9
IV 4500	74.1	74.1	74.2	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.8	74.9
IV 4000	75.2	75.2	75.3	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.8	75.8	75.9	75.9	76.0	76.2
IV 3500	76.3	76.3	76.4	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.0	77.2
IV 3000	77.4	77.4	77.5	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.1	78.3
IV 2500	78.5	78.5	78.6	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.2	79.4
IV 2000	79.6	79.6	79.7	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.5
IV 1800	80.7	80.7	80.8	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.4	81.6
IV 1500	81.8	81.8	81.9	82.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.5	82.7
IV 1200	82.9	82.9	83.0	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.6	83.8
IV 1000	84.0	84.0	84.1	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.7	84.9
IV 900	85.1	85.1	85.2	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.8	86.0
IV 800	86.2	86.2	86.3	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.9	87.1
IV 700	87.3	87.3	87.4	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.0	88.2
IV 600	88.4	88.4	88.5	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.1	89.3
IV 500	89.5	89.5	89.6	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.4
IV 400	90.6	90.6	90.7	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.3	91.5
IV 300	91.7	91.7	91.8	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.4	92.6
IV 200	92.8	92.8	92.9	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.5	93.7
IV 100	93.9	93.9	94.0	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.8
IV 0	95.0	95.0	95.1	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.7	95.9

TOTAL NUMBER OF OBSERVATIONS 14376

# CEILING VERSUS VISIBILITY

STATION: 13243 STATION NAME: FT WILKES AIR TEX/MINERAL WELLS YEARS: 49-68, 67-70 MONTH: IFR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.R.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	54.0	56.3	56.0	56.9	57.1	57.1	57.3	57.3	57.3	57.4	57.4	57.4	57.5	57.5	57.6	57.7
IVM 18000 16000	61.2	61.0	63.3	63.7	63.9	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.7
IVM 14000 12000	62.7	64.0	64.9	65.3	65.5	65.6	65.8	65.8	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.3
IVM 10000 9000	67.5	67.5	67.9	68.2	68.3	68.6	68.7	68.7	68.8	68.9	68.9	68.9	68.9	69.0	69.0	69.3
IVM 8000 7000	68.7	68.8	69.2	69.5	69.6	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.4	70.6
IVM 6000 5000	70.4	71.7	71.0	71.4	71.7	71.7	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.2	72.4
IVM 4500 4000	72.9	72.4	72.9	73.1	73.4	73.5	73.6	73.7	73.7	73.8	73.8	73.8	73.9	73.9	74.0	74.2
IVM 3500 3000	74.7	74.2	74.7	75.0	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.9	75.9	76.2
IVM 2500 2000	76.6	76.9	77.9	78.3	78.7	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.3	79.5
IVM 1800 1500	77.0	78.3	81.3	81.8	82.2	82.3	82.5	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.9	83.1
IVM 1200 1000	81.0	81.5	82.1	83.7	84.1	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.8	85.0
IVM 900 800	87.2	87.4	88.2	89.0	89.6	89.7	90.0	90.1	90.1	90.4	90.4	90.4	90.5	90.5	90.6	90.8
IVM 700 600	91.5	91.2	92.2	92.9	92.9	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.5	93.6
IVM 500 400	93.7	93.7	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IVM 300 200	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IVM 100 0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS: 13197

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 68943 FT WILKES AFB TEX/MINERAL WELLS STATION NAME: 49-65,67-70 YEARS: MAR MONTH: ALL HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	56.6	57.1	58.3	58.7	58.9	59.9	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.4	59.4
18000 16000	65.0	66.7	66.9	67.3	67.6	67.6	67.8	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.1	68.1
14000 12000	71.2	68.9	69.1	69.5	69.8	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.3
10000 9000	69.9	71.7	71.9	72.3	72.6	72.6	72.6	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1
8000 7000	71.3	73.3	73.4	73.8	74.1	74.2	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.6
6000 5000	72.9	74.9	75.2	75.6	75.9	75.9	75.9	76.1	76.1	76.1	76.2	76.3	76.3	76.3	76.4	76.4
4500 4000	74.6	76.7	77.0	77.4	77.8	77.8	77.8	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.3	78.3
3500 3000	76.0	78.1	79.3	79.8	80.1	80.1	80.3	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6
2500 2000	80.1	82.8	83.2	83.7	84.0	84.1	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6
1800 1500	83.4	86.5	87.0	87.6	88.0	88.1	88.3	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
1200 1000	86.5	89.4	91.0	91.8	92.2	92.3	92.6	92.6	92.6	92.8	92.8	92.8	92.9	92.9	92.9	92.9
900 800	87.6	91.1	92.8	93.7	94.2	94.3	94.6	94.7	94.7	94.9	94.9	94.9	95.0	95.0	95.1	95.1
700 600	88.5	91.2	94.1	95.1	95.8	95.9	96.3	96.4	96.4	96.6	96.7	96.7	96.8	96.8	96.8	96.8
500 400	89.0	94.0	95.0	96.2	97.1	97.2	97.7	97.9	97.9	98.2	98.3	98.3	98.4	98.4	98.5	98.5
300 200	89.1	94.1	95.3	96.6	97.3	97.7	98.3	98.5	98.6	99.0	99.1	99.1	99.2	99.3	99.3	99.3
100 0	89.1	94.1	95.3	96.6	97.3	97.8	98.3	98.5	98.7	99.1	99.3	99.3	99.6	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 14421

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 13942 FT WALTERS AFB TEX/MINERAL WELLS YEARS 69-70 MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	54.2	55.7	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	54.2	55.7	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 13000	63.4	63.4	63.4	64.0	64.2	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 16000	63.7	63.7	63.9	64.2	64.3	64.3	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	64.9	64.9	65.2	65.5	65.7	65.7	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 12000	65.2	65.2	65.5	65.8	65.9	65.9	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	66.3	66.3	66.6	66.9	67.3	67.3	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	66.7	66.7	66.9	67.2	67.3	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000	67.0	67.0	67.2	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 6000	67.9	67.9	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 5000	67.5	67.5	67.7	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 4500	67.7	67.7	67.9	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4000	67.7	67.7	67.9	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3500	67.9	67.9	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 3000	67.2	67.2	67.4	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 2500	67.9	67.9	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 2000	67.9	67.9	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1800	67.9	67.9	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1500	67.9	67.9	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1200	67.5	67.5	67.7	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 1000	67.5	67.5	67.7	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 900	67.8	67.8	68.0	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 800	67.8	67.8	68.0	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 700	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 600	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 500	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 400	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 300	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 200	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 100	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 0	67.4	67.4	67.6	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1

TOTAL NUMBER OF OBSERVATIONS 14138

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 04943 F1 WALTERS AAF TEX/MINERAL WELLS STATION NAME 49-08-67-70 YEARS            MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	55.2	56.8	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.2	57.1	57.4	57.4	57.4	57.4
IV 20000	55.8	57.9	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6
IV 18000	56.1	58.2	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9
IV 16000	56.1	58.2	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 14000	57.2	59.3	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 12000	57.1	59.3	61.0	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 10000	71.2	71.5	73.9	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 9000	71.2	71.5	74.5	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 8000	73.1	74.5	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	73.9	74.4	76.8	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 6000	74.4	77.5	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	74.4	78.2	79.7	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	77.0	79.2	80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	78.7	81.7	82.2	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	79.9	82.5	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6
IV 3000	81.4	84.5	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	83.2	86.5	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	85.5	89.0	90.0	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	86.2	89.7	90.4	90.7	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1500	87.8	91.5	92.3	92.6	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200	91.3	93.5	94.3	94.7	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1000	90.2	92.7	93.5	94.0	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	90.5	93.0	93.8	94.4	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	90.9	93.6	94.3	94.9	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 700	91.2	94.1	94.8	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	91.4	94.5	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	91.5	94.7	95.7	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	91.5	94.7	95.7	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 300	91.5	94.7	95.7	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 200	91.5	94.7	95.7	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 100	91.5	94.7	95.7	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0	91.5	94.7	95.7	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 14572

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION FT WALTERS AAF TEX/MINERAL WELLS YEARS 49-55, 67-70 MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.R.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.0	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 20000	77.5	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 18000	77.6	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5
IV 16000	77.9	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 14000	78.9	80.5	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 12000	81.0	82.6	82.7	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000	82.8	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 9000	84.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 8000	84.5	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 7000	85.0	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 6000	85.9	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 5000	86.2	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4500	87.1	89.1	89.2	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 4000	88.2	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 3500	88.9	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3000	90.1	92.2	92.4	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	91.2	93.4	93.6	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	92.5	94.9	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1800	93.1	95.6	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	93.3	96.2	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	94.0	97.1	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	95.1	97.6	98.0	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	95.2	97.9	98.2	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	95.4	98.1	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	95.5	98.2	98.6	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	95.6	98.4	98.8	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	95.7	98.5	98.9	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	95.8	98.6	99.0	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	95.8	98.6	99.1	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	95.9	98.6	99.1	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	95.8	98.6	99.1	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	95.8	98.6	99.1	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 16156



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 03943 FT WILBURN AAF TEX/MINERAL WELLS STATION NAME 49-69-67-70 YEARS MONTH 111

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING N 20000	75.5	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 18000 16000	2.9	64.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 14000 12000	4.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000 9000	9.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 8000 7000	20.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 6000 5000	32.3	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 4500 4000	43.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 3500 3000	54.6	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2500 2000	65.6	97.5	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800 1500	76.2	98.3	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200 1000	87.0	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900 800	97.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700 600	97.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500 400	97.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300 200	97.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100 0	97.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1491

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR SEAT CR SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.F.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.2	78.6	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	78.8
≥ 20000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
18000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
16000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
14000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
12000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
10000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
9000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
8000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
7000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
6000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
5000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
4500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
4000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
3500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
3000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1800	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 14500



4  
 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03903  
 STATION

FT WALTERS AFB TEX/MINERAL WELLS  
 STATION NAME

49-65-67-70  
 YEARS

5P  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING ≥ 20000	73.1	73.1	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 18000 16000	73.7	73.7	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
IV 14000 12000	75.0	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1
IV 10000 9000	77.7	77.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 8000 7000	81.7	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
IV 6000 5000	82.7	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500 4000	84.1	86.8	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3500 3000	86.5	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2500 2000	87.4	89.5	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1800 1500	89.3	92.7	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
IV 1200 1000	91.3	95.2	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900 800	92.2	96.4	97.0	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700 600	92.6	97.7	97.8	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 500 400	92.9	97.7	98.4	98.9	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
IV 300 200	93.0	97.9	98.6	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	99.4
IV 100 0	93.0	97.9	98.6	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	99.4

TOTAL NUMBER OF OBSERVATIONS 14000

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03043 STATION FT WALTER AFB TEX/GENERAL WELLS 49-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.6	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4
≥ 20000	72.8	74.3	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8
IV 18000	72.9	74.4	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9
IV 16000	73.0	74.5	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	75.0	75.1
IV 14000	74.1	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.1
IV 12000	75.0	77.1	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.6
IV 10000	77.0	79.3	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8
IV 9000	78.3	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4
IV 8000	79.9	81.2	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.8
IV 7000	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.6
IV 6000	83.0	83.0	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.7
IV 5000	84.0	84.0	84.2	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.7
IV 4500	84.3	84.5	84.6	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.1
IV 4000	85.1	85.2	85.6	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.2
IV 3500	86.0	86.2	86.4	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.9
IV 3000	87.3	87.6	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.3	88.3
IV 2500	88.4	88.8	89.0	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.5	89.6
IV 2000	89.0	89.6	89.8	91.1	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.6
IV 1800	90.4	91.1	91.3	91.6	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.1
IV 1500	91.6	92.4	92.7	93.0	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.5
IV 1200	93.7	93.8	94.2	94.7	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.2
IV 1000	95.3	95.5	95.9	95.6	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.1
IV 900	96.0	96.0	96.6	96.2	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.7
IV 800	96.9	96.9	97.0	96.7	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.3	97.3
IV 700	97.2	97.8	98.3	97.2	97.4	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.9
IV 600	97.5	97.7	98.0	97.7	97.9	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4
IV 500	97.6	97.7	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 400	97.7	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 300	97.7	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 200	97.7	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 100	97.7	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 0	97.7	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 13069

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14763  
 STATION

FT WILBER AFB TEX/MINERAL WELLS

49-76  
 YEARS

111V  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	64.4	64.7	65.9	66.0	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6
18000 16000	70.2	71.6	71.7	72.0	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.5	72.5
14000 12000	71.0	72.4	72.6	72.8	73.1	73.1	73.2	73.2	73.2	73.1	73.3	73.3	73.4	73.4	73.5	73.6
10000 9000	74.1	74.7	74.9	76.1	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.7	76.7	76.9
8000 7000	75.4	77.1	77.2	77.5	77.7	77.7	77.8	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.2	78.3
6000 5000	76.7	78.5	78.7	79.0	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.7	79.8
4500 4000	78.4	80.4	80.7	81.0	81.2	81.3	81.3	81.4	81.4	81.5	81.5	81.5	81.6	81.6	81.7	81.8
3500 3000	80.2	82.3	82.6	82.9	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.7	83.8
2500 2000	82.5	84.8	85.2	85.4	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.2	86.4
1800 1500	84.6	87.3	87.7	88.0	88.3	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.7	88.7	88.8	89.0
1200 1000	86.9	89.1	89.6	91.1	91.5	91.6	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.0	92.1	92.3
900 800	87.9	91.4	92.2	92.8	93.2	93.3	93.6	93.6	93.6	93.7	93.8	93.8	93.9	93.9	94.0	94.1
700 600	88.5	92.4	93.2	93.9	94.3	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.4	95.5
500 400	88.7	93.3	94.0	95.0	95.8	96.0	96.3	96.6	96.7	96.8	96.8	96.9	97.0	97.0	97.1	97.3
300 200	88.8	94.3	94.4	95.7	96.8	97.0	97.7	98.0	98.0	98.2	98.3	98.3	98.5	98.5	98.7	98.8
100 0	88.8	93.4	94.4	95.7	96.9	97.1	98.0	98.2	98.3	98.6	98.7	98.7	99.1	99.1	99.4	99.5

TOTAL NUMBER OF OBSERVATIONS 14102

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION: ET CITIES AFB TEX/MINERAL WELLS YEARS: 49-70 MONTH: ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING ≥ 20000	69.3	67.7	67.9	67.1	67.2	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6
VM 18000 16000	67.4	67.4	67.1	67.4	67.5	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.9	67.9
VM 14000 12000	68.9	68.3	68.6	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.4
VM 10000 9000	69.4	70.4	71.2	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9	72.0	72.0	72.0	72.1
VM 8000 7000	71.9	72.5	72.7	73.0	73.1	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.6
VM 6000 5000	72.3	74.1	74.3	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9	75.0	75.0	75.0	75.1	75.1
VM 4500 4000	73.7	75.5	75.8	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.7
VM 3500 3000	75.5	77.7	78.0	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
VM 2500 2000	78.9	81.1	81.0	81.9	82.0	82.1	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5
VM 1800 1500	81.7	84.2	84.7	85.1	85.2	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8
VM 1200 1000	84.9	87.5	88.3	88.8	89.0	89.1	89.3	89.3	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.6	89.6
VM 900 800	89.5	89.7	89.9	90.6	90.9	91.0	91.2	91.3	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.6	91.6
VM 700 600	90.1	90.3	91.2	92.1	92.0	92.7	93.0	93.1	93.1	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.5
VM 500 400	90.7	91.4	92.5	93.7	94.6	94.8	95.4	95.6	95.6	95.6	95.8	95.9	95.9	95.9	95.9	96.0	96.1
VM 300 200	90.9	91.5	93.0	94.0	95.7	96.1	97.2	97.4	97.5	97.5	97.9	98.0	98.1	98.1	98.1	98.1	98.2
VM 100 0	90.9	91.6	93.1	94.7	95.8	96.2	97.5	97.9	97.9	97.9	98.5	98.7	98.7	98.7	98.9	98.9	99.4

TOTAL NUMBER OF OBSERVATIONS: 16127

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/NAI

# CEILING VERSUS VISIBILITY

STATION FT WILSON AFB TEX/GENERAL WELLS 49-64-67-70 YEARS MONTH JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0300  
 HOUR (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING ≥ 20000	7.0	58.4	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.5	59.5
IV 18000 16000	6.3	63.0	63.4	63.9	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.6	64.6	64.7	64.7
IV 14000 12000	5.7	64.5	64.8	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.7	65.7	65.9	65.9
IV 10000 9000	6.7	67.0	67.1	67.9	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7	68.9	68.9
IV 8000 7000	7.3	69.0	69.0	69.1	69.3	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.9	69.9	70.1	70.1
IV 6000 5000	7.2	69.7	69.7	70.2	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.2	71.2
IV 4500 4000	7.7	71.0	71.0	72.0	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.8	72.8	73.0	73.0
IV 3500 3000	71.5	73.4	73.4	73.9	74.1	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.8	74.8	75.0	75.0
IV 2500 2000	75.5	75.7	75.7	76.6	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.4	77.4	77.6	77.6
IV 1800 1500	77.0	79.0	79.0	79.8	79.8	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.5	80.5	80.6	80.6
IV 1200 1000	78.0	81.1	81.1	82.4	82.4	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.3	83.3	83.5	83.5
IV 900 800	78.0	85.0	85.0	87.0	87.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1	88.1	88.4	88.4
IV 700 600	83.2	87.5	87.5	89.0	89.0	89.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.6	90.6	90.9	90.9
IV 500 400	83.0	89.2	89.2	91.0	91.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.4	92.4	92.6	92.6
IV 300 200	83.7	90.9	90.9	93.4	93.4	93.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.3	95.3	95.5	95.5
IV 100 0	83.7	91.0	91.0	93.7	93.7	93.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 1741

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION: FT WALTER AFB TEXAS/INTEGRAL WELLS YEARS: 49-50, 57-70 MONTH: 1-31

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3700 0500  
MONTH (L.V.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.0	55.1	55.4	55.5	55.7	55.7	55.9	55.9	55.9	56.0	56.0	56.0	56.2	56.3	56.0	56.9
IV 18000 16000	57.4	59.7	60.0	60.2	60.4	60.4	60.6	60.6	60.6	60.7	60.7	60.7	60.9	60.9	61.2	61.7
IV 14000 12000	59.0	61.1	61.0	61.8	62.0	62.0	62.1	62.1	62.1	62.3	62.3	62.3	62.5	62.5	62.8	63.7
IV 10000 9000	61.8	64.4	64.5	64.7	64.9	64.9	65.0	65.0	65.0	65.2	65.2	65.2	65.4	65.4	65.7	66.1
IV 8000 7000	62.6	65.2	65.4	65.6	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.4	66.4	66.7	67.2
IV 6000 5000	63.8	66.5	66.8	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.6	67.6	67.9	68.4
IV 4500 4000	65.0	67.7	68.0	68.2	68.5	68.5	68.7	68.7	68.7	68.8	68.8	68.8	69.0	69.0	69.1	69.8
IV 3500 3000	66.4	69.3	69.5	69.7	70.0	70.0	70.2	70.2	70.2	70.4	70.4	70.4	70.6	70.6	70.9	71.4
IV 2500 2000	68.9	72.3	72.5	72.8	73.2	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.7	73.8	74.1	74.6
IV 1800 1500	72.5	76.3	76.5	76.8	77.3	77.4	77.6	77.6	77.6	77.7	77.7	77.7	77.9	78.0	78.2	78.7
IV 1200 1000	76.5	81.5	81.7	82.4	83.0	83.2	83.4	83.4	83.4	83.5	83.5	83.5	83.8	83.8	84.1	84.6
IV 900 800	78.2	84.5	84.7	85.0	85.5	85.7	85.9	85.9	85.9	86.1	86.1	86.1	86.3	86.3	86.6	87.1
IV 700 600	79.8	86.1	86.3	87.0	87.7	87.8	88.1	88.1	88.1	88.2	88.2	88.2	88.4	88.4	88.7	89.2
IV 500 400	79.0	87.1	87.3	88.0	88.7	88.8	89.1	89.1	89.1	89.3	89.3	89.3	89.6	89.6	89.9	90.4
IV 300 200	79.0	87.1	87.3	88.0	88.7	88.8	89.1	89.1	89.1	89.3	89.3	89.3	89.6	89.6	89.9	90.4
IV 100 0	79.0	87.1	87.3	88.0	88.7	88.8	89.1	89.1	89.1	89.3	89.3	89.3	89.6	89.6	89.9	90.4

TOTAL NUMBER OF OBSERVATIONS: 1424



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: FT WILKINS AFB TEX/MINERAL WELLS YEARS: 49-55, 67-70 MONTH: 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	48.1	48.1	48.3	48.8	49.1	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.6	49.6	49.9	50.3
IVN 18000 16000	52.0	54.1	54.3	54.6	55.1	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.7	55.7	55.9	56.4
IVN 14000 12000	54.6	56.7	57.0	57.5	57.7	57.8	57.9	57.9	57.9	58.1	58.1	58.1	58.3	58.7	58.5	59.0
IVN 10000 9000	57.9	60.1	60.3	60.8	61.1	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.7	61.7	61.9	62.4
IVN 8000 7000	61.8	61.1	61.4	61.9	62.2	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.8	62.8	63.0	63.5
IVN 6000 5000	69.7	69.3	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	70.1	70.1	70.4	70.9
IVN 4500 4000	71.3	71.1	71.4	71.8	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.4	72.4	72.7	73.2
IVN 3500 3000	72.0	72.1	72.4	72.8	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.4	73.4	73.7	74.2
IVN 2500 2000	75.2	75.4	75.7	76.0	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.6	76.6	76.9	77.4
IVN 1800 1500	78.4	78.7	79.0	79.3	79.5	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.9	79.9	80.2	80.7
IVN 1200 1000	77.6	77.7	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.6	78.6	78.9	79.4
IVN 900 800	74.7	74.8	74.9	75.0	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.5	75.5	75.8	76.3
IVN 700 600	75.5	75.6	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.3	76.3	76.6	77.1
IVN 500 400	75.7	75.8	75.9	76.0	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.5	76.5	76.8	77.3
IVN 300 200	75.9	76.0	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.7	76.7	77.0	77.5
IVN 100 0	75.9	76.0	76.1	76.2	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.7	76.7	77.0	77.5

TOTAL NUMBER OF OBSERVATIONS 1811

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION FT WYLER AFB TEX/MIAMI WILLS STATION NAME 49-65-67-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03071100  
ROUTE (LAT.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	48.8	47.1	48.0	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
18000 16000	56.2	57.3	57.6	57.7	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.2	58.2
14000 12000	59.4	59.5	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.4
10000 9000	62.2	63.5	63.7	63.9	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.5
8000 7000	64.0	64.9	65.1	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.8
6000 5000	66.7	66.0	66.2	66.5	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.1
4500 4000	68.1	67.4	67.6	68.0	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.7
3500 3000	67.1	67.6	68.8	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	70.0
2500 2000	70.6	72.3	72.5	73.0	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.7
1800 1500	73.3	75.3	75.5	76.1	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.8
1200 1000	78.6	81.2	81.4	82.2	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.1
900 800	84.9	83.1	83.9	85.0	85.6	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.2
700 600	88.1	85.1	86.1	87.6	88.1	88.3	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.5
500 400	91.5	86.1	87.5	89.5	90.7	91.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.5
300 200	91.8	86.3	88.2	90.6	92.2	92.5	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	97.5
100 0	91.8	84.1	88.2	90.6	92.4	93.0	94.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	99.5

TOTAL NUMBER OF OBSERVATIONS 1215



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE / SAC

# CEILING VERSUS VISIBILITY

STATION ET 61780N AAF TRV/MINERAL WELLS 49-65-67-70 YEARS MONTH JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-1400  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	53.2	53.7	53.8	53.9	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000 16000	61.2	61.5	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 14000 12000	63.4	64.0	64.1	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 10000 9000	66.6	67.5	67.6	67.7	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000 7000	67.7	67.9	68.0	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000 5000	69.3	70.1	70.1	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 4500 4000	70.1	70.9	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3500 3000	70.4	71.1	71.2	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 2500 2000	72.1	72.2	72.2	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 1800 1500	72.6	73.1	73.0	73.1	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1200 1000	74.0	74.1	74.1	74.2	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 900 800	76.0	76.9	77.1	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 700 600	78.2	78.2	78.2	78.3	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 500 400	80.3	80.3	80.3	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 300 200	81.4	81.4	81.4	81.5	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 100 0	82.1	82.1	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4

TOTAL NUMBER OF OBSERVATIONS 1412

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAO

# CEILING VERSUS VISIBILITY

STATION ET WOLTERS AAF TEX/MINERAL WELLS STATION NAME 49-65,67-70 YEARS 1941 MONTH 1941

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.M.S.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	55.6	56.4	56.5	56.6	56.7	56.7	56.9	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1
≥ 20000	54.2	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	64.0	65.4	65.5	65.6	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1
IV 16000	65.5	66.3	66.4	66.5	66.6	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 14000	67.2	67.9	68.0	68.2	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.6
IV 12000	69.1	69.9	70.0	70.1	70.2	70.2	70.4	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6
IV 10000	71.1	71.8	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.5	72.5	72.5
IV 9000	72.0	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3
IV 8000	73.7	73.4	73.6	73.7	73.8	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1
IV 7000	73.5	73.3	73.4	73.5	73.7	73.7	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	74.2	74.0	75.2	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	74.3	74.2	74.4	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
IV 4500	75.6	76.5	76.7	76.8	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4
IV 4000	76.0	77.3	77.5	77.7	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2
IV 3500	77.6	78.5	78.7	78.9	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4
IV 3000	79.9	81.0	81.2	81.4	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1
IV 2500	82.0	83.3	83.5	84.1	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6
IV 2000	84.3	85.9	86.2	86.8	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3
IV 1800	84.8	86.6	86.8	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.0
IV 1500	85.6	87.6	87.9	88.5	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1
IV 1200	90.0	89.4	90.1	90.7	90.9	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.6	91.6	91.6	91.6
IV 1000	87.3	90.0	90.7	91.4	91.6	91.7	92.0	92.0	92.0	92.1	92.1	92.1	92.3	92.3	92.3	92.3
IV 900	87.5	90.4	91.1	91.8	92.2	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.9	92.9	92.9
IV 800	87.7	90.7	91.7	92.5	93.0	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.8	93.8	93.8	93.8
IV 700	88.1	91.3	92.5	93.3	94.0	94.2	94.4	94.5	94.6	94.6	94.7	94.7	95.0	95.0	95.0	95.0
IV 600	88.4	92.0	93.1	94.1	94.8	94.9	95.2	95.4	95.5	95.6	95.6	95.6	95.9	95.9	95.9	95.9
IV 500	89.0	92.8	94.2	95.6	96.5	96.7	97.2	97.5	97.7	97.9	97.9	97.9	98.1	98.1	98.1	98.1
IV 400	89.0	93.9	94.3	95.8	96.9	97.1	97.7	98.2	98.4	98.5	98.7	98.7	99.0	99.0	99.0	99.0
IV 300	89.0	94.9	94.3	95.9	97.1	97.4	98.1	98.6	98.8	99.1	99.3	99.3	99.6	99.6	99.6	99.6
IV 200	90.0	92.9	94.3	95.9	97.1	97.5	98.2	98.8	99.0	99.3	99.5	99.5	99.9	99.9	99.9	99.9
IV 100	90.0	92.9	94.3	95.9	97.1	97.5	98.2	98.8	99.0	99.3	99.5	99.5	100.0	100.0	100.0	100.0
IV 0	90.0	92.9	94.3	95.9	97.1	97.5	98.2	98.8	99.0	99.3	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1515

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AL

# CEILING VERSUS VISIBILITY

STATION  
 FT WILKINSON AFB TEX/MINERAL WELLS

STATION NAME

49-65,67-70

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	61.9	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.9
IV 18000	69.0	69.0	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
IV 16000	71.1	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
IV 14000	70.6	70.6	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 12000	72.3	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
IV 10000	71.8	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1
IV 9000	72.8	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
IV 8000	73.5	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
IV 7000	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5
IV 6000	74.8	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
IV 5000	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
IV 4500	76.2	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.5
IV 4000	76.8	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1
IV 3500	77.5	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IV 3000	78.2	78.2	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5
IV 2500	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1
IV 2000	79.5	79.5	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8
IV 1800	80.2	80.2	80.2	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
IV 1500	80.8	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
IV 1200	81.5	81.5	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8
IV 1000	82.2	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5
IV 900	82.8	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
IV 800	83.5	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8
IV 700	84.2	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5
IV 600	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1
IV 500	85.5	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
IV 400	86.2	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5
IV 300	86.8	86.8	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1
IV 200	87.5	87.5	87.5	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 100	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5
IV 6	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1

TOTAL NUMBER OF OBSERVATIONS 1758

DATA PROCESSING DIVISION  
USAF ETAC  
AIR-FAITH SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION  
03943

STATION NAME  
FT WILKINS AFB TX/INTEGRAL WELLS

YEARS  
69-69,67,70

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2100  
HOURS (L.T.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	60.9	60.9	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.7
IV 20000	65.9	65.9	65.6	65.6	65.7	65.7	68.5	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0
IV 18000	67.1	68.0	68.7	68.8	68.8	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.2
IV 16000	67.1	68.6	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.2
IV 14000	68.6	70.1	70.2	70.3	70.3	70.3	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
IV 12000	69.9	71.4	71.7	71.8	71.8	71.8	72.3	72.3	72.3	72.1	72.1	72.1	72.1	72.1	72.1	72.2
IV 10000	71.3	72.9	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5
IV 9000	72.9	73.5	73.7	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1	74.1
IV 8000	72.5	74.7	74.4	74.4	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8
IV 7000	72.9	74.7	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3
IV 6000	73.2	75.0	75.1	75.2	75.2	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6
IV 5000	74.8	76.1	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2
IV 4500	75.4	77.3	77.7	77.7	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.1	78.1
IV 4000	76.4	78.4	78.8	78.9	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
IV 3500	77.1	79.0	79.7	79.9	80.0	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4
IV 3000	77.7	80.2	80.4	80.5	80.7	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1
IV 2500	78.9	81.5	81.8	81.9	82.1	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5
IV 2000	80.3	82.2	82.5	82.6	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1
IV 1800	81.0	83.0	83.2	83.3	83.5	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9
IV 1500	82.1	83.9	84.2	84.3	84.5	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9
IV 1200	84.0	87.4	88.2	88.3	88.6	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	89.0
IV 1000	85.1	88.7	89.7	89.8	90.1	90.1	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.5	90.5
IV 900	85.9	89.7	90.7	90.8	91.1	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.4
IV 800	86.4	90.5	91.7	91.9	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.4
IV 700	86.0	91.1	92.2	92.4	92.6	92.6	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.0
IV 600	86.7	91.7	92.8	92.9	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.6
IV 500	87.8	92.5	93.5	93.6	94.4	94.4	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	95.0
IV 400	87.0	92.9	94.1	94.2	95.1	95.1	95.4	95.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	96.0
IV 300	87.0	92.6	94.5	94.5	96.1	96.1	96.3	96.3	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.2
IV 200	87.0	92.6	94.5	94.5	96.4	96.4	96.8	96.8	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 100	87.0	92.6	94.5	94.5	96.6	96.6	97.6	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.1
IV 0	87.0	92.6	94.5	94.5	96.6	96.6	97.6	97.6	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.5

TOTAL NUMBER OF OBSERVATIONS 1713

4  
 DATA PROCESSING DIVISION  
 USAF ETAC  
 AJP WEATHER SERVICE/RAC

# CEILING VERSUS VISIBILITY

06001 STATION FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0300  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.0	61.5	61.7	61.9	62.0	62.0	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.5
≥ 20000	61.6	65.3	65.5	65.8	66.0	66.0	66.1	66.1	66.1	66.4	66.4	66.4	66.5	66.5	66.5	66.6
18000	63.6	65.3	65.5	65.8	66.0	66.0	66.1	66.1	66.1	66.4	66.4	66.4	66.5	66.5	66.5	66.6
≥ 16000	63.0	65.3	65.5	65.8	66.0	66.0	66.1	66.1	66.1	66.4	66.4	66.4	66.5	66.5	66.5	66.6
14000	64.4	66.2	66.4	66.7	66.9	66.9	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.5
≥ 12000	64.3	67.1	67.5	67.8	68.0	68.0	68.1	68.1	68.1	68.3	68.3	68.3	68.4	68.4	68.4	68.6
10000	66.3	68.4	68.6	68.9	69.1	69.1	69.2	69.2	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.7
≥ 9000	66.4	68.5	68.7	69.0	69.2	69.2	69.3	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.7
8000	70.2	69.3	69.5	69.8	70.0	70.0	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.6
≥ 7000	68.4	70.4	70.6	70.9	71.1	71.1	71.2	71.2	71.2	71.5	71.5	71.5	71.6	71.6	71.6	71.7
6000	68.9	71.5	71.7	72.0	72.2	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.8
≥ 5000	70.0	72.9	73.0	73.4	73.5	73.5	73.7	73.7	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.2
4500	70.4	73.4	73.5	73.9	74.1	74.1	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.7
≥ 4000	70.0	74.1	74.4	74.7	75.0	75.0	75.1	75.1	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.6
3500	71.3	74.7	75.0	75.4	75.7	75.7	75.8	75.8	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.3
≥ 3000	72.0	76.1	76.4	76.8	77.0	77.0	77.1	77.1	77.1	77.4	77.4	77.4	77.5	77.5	77.5	77.6
2500	71.4	77.9	77.9	78.3	78.5	78.5	78.7	78.7	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.2
≥ 2000	70.4	81.2	80.7	81.1	81.4	81.4	81.5	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.1
1800	77.1	81.2	81.7	82.1	82.4	82.4	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.1
≥ 1500	73.8	83.1	83.7	84.2	84.6	84.6	84.8	84.8	84.8	85.0	85.0	85.0	85.1	85.1	85.1	85.3
1200	80.7	85.4	86.1	86.8	87.3	87.3	87.5	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	88.0
≥ 1000	81.2	86.6	87.5	88.2	88.7	88.7	88.9	88.9	88.9	89.2	89.2	89.2	89.4	89.4	89.4	89.6
900	81.4	87.4	88.0	89.3	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.4	90.4	90.4	90.6
≥ 800	81.7	88.3	89.0	90.2	90.9	91.0	91.3	91.3	91.3	91.6	91.6	91.6	91.8	91.8	91.8	92.0
700	81.9	88.8	90.2	90.9	91.5	91.6	91.9	92.0	92.0	92.3	92.3	92.3	92.5	92.5	92.5	92.7
≥ 600	81.9	89.4	90.7	91.4	92.1	92.2	92.6	92.7	92.7	93.1	93.1	93.1	93.3	93.3	93.4	93.5
500	82.3	89.6	91.1	92.0	93.0	93.2	93.9	94.0	94.0	94.5	94.5	94.5	94.7	94.7	94.8	95.0
≥ 400	82.4	90.3	91.9	93.1	94.2	94.3	95.2	95.3	95.3	95.8	95.8	95.8	96.0	96.0	96.1	96.3
300	82.4	90.5	92.2	93.5	94.8	95.0	96.1	96.3	96.3	96.8	96.8	96.8	97.0	97.0	97.1	97.3
≥ 200	82.4	90.6	92.3	93.7	95.0	95.4	96.8	97.0	97.0	97.5	97.5	97.5	97.8	97.8	98.1	98.1
100	82.4	90.6	92.3	93.7	95.0	95.4	96.9	97.1	97.1	97.6	97.6	97.6	98.1	98.2	98.3	98.7
0	82.4	90.6	92.3	93.7	95.0	95.4	96.9	97.1	97.1	97.6	97.6	97.6	98.2	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1610

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 04963 FT WALTERS AAF TEX/MINERAL WELLS STATION NAME: FT WALTERS AAF TEX/MINERAL WELLS YEARS: 49-49, 67-70 MONTH: FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0900  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	54.0	55.6	59.9	56.2	56.8	56.8	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.0	57.9
≥ 20000	50.0	50.0	60.2	60.6	61.2	61.2	61.5	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.5
≥ 18000	55.2	60.1	60.4	60.7	61.4	61.4	61.7	61.8	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.4
≥ 16000	58.4	60.5	60.6	60.9	61.0	61.6	61.9	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.8
≥ 14000	59.7	61.3	61.8	62.2	62.8	62.8	63.1	63.2	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.7	64.1
≥ 12000	61.2	63.2	63.8	63.8	64.5	64.5	64.8	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.3	65.4	65.9
≥ 10000	62.5	64.6	64.9	65.1	65.9	65.9	66.2	66.3	66.3	66.6	66.6	66.7	66.7	66.7	66.8	66.8	67.3
≥ 9000	62.7	64.7	65.2	65.5	66.2	66.2	66.5	66.5	66.5	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.4
≥ 8000	63.2	65.3	65.8	66.2	66.8	66.8	67.1	67.2	67.2	67.5	67.5	67.6	67.6	67.7	67.7	67.8	68.2
≥ 7000	64.3	66.7	67.0	67.2	68.0	68.0	68.3	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.8	68.8	69.4
≥ 6000	64.8	67.2	67.5	67.9	68.5	68.5	68.8	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.9
≥ 5000	65.5	68.2	68.9	69.2	69.9	69.9	70.2	70.3	70.3	70.6	70.6	70.6	70.6	70.7	70.7	70.9	71.3
≥ 4500	66.4	69.0	69.4	69.8	70.4	70.4	70.7	70.8	70.8	71.1	71.2	71.2	71.2	71.3	71.3	71.4	71.8
≥ 4000	67.2	69.8	70.2	70.6	71.2	71.2	71.5	71.6	71.6	71.9	72.0	72.0	72.0	72.1	72.1	72.2	72.7
≥ 3500	67.9	70.5	70.9	71.3	71.9	71.9	72.2	72.3	72.3	72.7	72.7	72.7	72.7	72.8	72.8	73.0	73.4
≥ 3000	69.3	72.1	72.7	73.1	73.9	73.9	74.2	74.2	74.2	74.5	74.6	74.6	74.6	74.8	74.8	74.9	75.3
≥ 2500	70.3	73.4	73.8	74.2	74.9	74.9	75.2	75.3	75.3	75.7	75.7	75.7	75.7	75.8	75.8	76.0	76.4
≥ 2000	72.9	75.2	75.6	77.0	77.8	77.8	78.1	78.2	78.2	78.6	78.7	78.7	78.7	78.8	78.8	78.9	79.3
≥ 1800	74.2	77.6	78.1	78.4	79.3	79.3	79.6	79.6	79.6	80.0	80.1	80.1	80.1	80.2	80.2	80.3	80.8
≥ 1500	75.7	79.5	79.9	80.4	81.3	81.3	81.6	81.7	81.7	82.1	82.1	82.1	82.1	82.2	82.2	82.3	82.8
≥ 1200	76.2	82.3	82.9	83.4	84.4	84.4	84.4	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.1
≥ 1000	78.7	83.5	83.9	84.5	85.8	85.8	86.2	86.2	86.2	86.5	86.5	86.5	86.5	86.7	86.7	86.7	87.5
≥ 900	79.0	84.4	85.3	86.0	87.1	87.1	87.5	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.6
≥ 800	79.3	85.1	86.0	86.8	88.1	88.1	88.4	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.7
≥ 700	79.4	85.6	86.6	87.5	89.1	89.1	89.3	89.7	89.8	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.8
≥ 600	79.6	86.2	87.4	88.5	90.5	90.5	91.2	91.2	91.2	91.3	92.0	92.0	92.0	92.1	92.1	92.1	92.7
≥ 500	79.8	86.9	88.4	89.7	91.8	91.8	92.8	92.9	92.9	93.6	93.6	93.6	93.6	93.8	93.8	93.9	94.3
≥ 400	79.9	87.1	88.9	90.3	92.6	92.6	93.0	93.8	93.8	94.5	94.6	94.6	94.6	94.7	94.7	94.8	95.3
≥ 300	79.9	87.3	89.0	90.9	93.7	93.8	95.1	95.3	95.3	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.9
≥ 200	79.9	87.3	89.0	90.9	93.8	93.8	95.1	95.3	95.3	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.8
≥ 100	79.9	87.3	89.0	90.9	93.8	93.8	95.1	95.3	95.3	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.7
≥ 0	79.9	87.3	89.0	90.9	93.6	93.6	94.0	95.7	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.7

TOTAL NUMBER OF OBSERVATIONS 1668



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAL

# CEILING VERSUS VISIBILITY

STATION FT WORTH AFB TEXAS STATION NAME MINERAL WELLS YEARS 59-63, 67-70 MONTH FFB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-1800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	49.3	50.0	50.3	50.7	50.7	51.2	51.3	51.3	51.5	51.5	51.5	51.8	51.8	52.1	52.4
≥ 20000	52.5	54.6	55.4	55.9	56.3	56.4	56.9	57.3	57.3	57.4	57.2	57.2	57.2	57.5	57.5	58.0
IV 18000	52.7	54.8	55.5	56.0	56.4	56.5	57.0	57.1	57.1	57.3	57.3	57.3	57.6	57.6	57.9	58.9
IV 16000	52.8	55.0	55.8	56.3	56.7	56.7	57.3	57.3	57.3	57.6	57.6	57.6	57.8	57.9	58.2	59.1
IV 14000	53.9	56.3	57.1	57.6	58.0	58.2	58.7	58.8	58.8	59.0	59.0	59.0	59.2	59.3	59.6	60.6
IV 12000	55.7	58.7	59.5	59.9	60.0	60.2	60.7	60.8	60.8	61.0	61.0	61.0	61.2	61.3	61.6	62.6
IV 10000	57.2	59.7	60.5	61.0	61.2	61.7	62.2	62.3	62.3	62.3	62.5	62.5	62.8	62.8	63.2	64.1
IV 9000	57.3	60.0	60.8	61.3	61.4	62.1	62.2	62.6	62.6	62.6	62.8	62.8	62.8	63.1	63.2	64.4
IV 8000	58.4	61.0	61.8	62.3	62.4	63.0	63.2	63.6	63.6	63.8	63.8	63.8	64.1	64.2	64.5	65.4
IV 7000	59.3	61.1	61.9	62.4	62.5	63.1	63.2	63.8	63.8	64.0	64.0	64.0	64.1	64.5	64.5	65.7
IV 6000	60.3	63.2	64.0	64.5	65.0	65.2	65.7	65.8	65.8	66.0	66.1	66.1	66.4	66.4	66.7	67.7
IV 5000	61.8	64.8	65.6	66.1	66.6	66.8	67.1	67.4	67.4	67.6	67.7	67.7	68.0	68.0	68.4	69.4
IV 4500	62.1	65.2	66.0	66.6	67.0	67.2	67.4	67.8	67.8	68.1	68.1	68.1	68.4	68.5	68.8	69.8
IV 4000	62.6	65.8	66.6	67.2	67.6	67.8	68.2	68.4	68.4	68.7	68.7	68.7	69.0	69.0	69.4	70.4
IV 3500	63.3	66.6	67.4	67.9	68.4	68.6	69.1	69.2	69.2	69.5	69.5	69.5	69.8	69.8	70.2	71.2
IV 3000	64.1	67.0	67.8	68.4	68.5	69.1	70.2	70.3	70.3	70.6	70.6	70.6	70.9	71.0	71.4	72.4
IV 2500	64.9	68.3	69.4	70.0	70.5	70.6	71.2	71.4	71.4	71.7	71.7	71.7	72.0	72.0	72.4	73.3
IV 2000	67.9	72.0	72.9	73.6	74.2	74.4	74.1	75.2	75.2	75.4	75.5	75.5	75.8	75.9	76.2	77.2
IV 1800	68.3	72.6	73.5	74.2	74.7	74.9	75.7	75.9	75.9	76.2	76.2	76.2	76.5	76.5	76.9	78.0
IV 1500	69.9	74.7	75.7	76.5	77.1	77.2	78.1	78.3	78.3	78.6	78.6	78.6	78.9	79.0	79.4	80.4
IV 1200	71.8	77.7	78.7	79.7	80.4	80.6	81.5	81.7	81.7	82.1	82.1	82.1	82.4	82.4	82.9	83.9
IV 1000	73.2	79.9	81.1	82.1	82.9	83.0	83.9	84.1	84.1	84.5	84.5	84.5	84.9	85.0	85.4	86.4
IV 900	73.4	80.3	81.7	82.7	83.5	83.6	84.5	84.7	84.7	85.2	85.2	85.2	85.5	85.6	86.1	87.0
IV 800	74.1	81.7	83.3	84.4	85.2	85.4	86.3	86.5	86.5	86.9	86.9	86.9	87.2	87.3	87.7	88.7
IV 700	74.9	82.4	84.1	85.3	86.2	86.4	87.5	87.7	87.7	88.2	88.2	88.2	88.6	88.6	89.0	90.1
IV 600	76.0	83.5	85.3	86.8	87.9	88.1	89.3	89.8	89.8	90.4	90.4	90.4	90.7	90.8	91.2	92.2
IV 500	75.3	84.2	86.3	88.1	89.6	89.9	91.4	92.0	92.1	92.6	92.7	92.7	93.0	93.0	93.5	94.5
IV 400	75.0	84.7	86.8	88.9	90.5	91.0	92.6	93.4	93.5	94.1	94.1	94.1	94.5	94.5	95.0	96.0
IV 300	75.0	84.7	86.9	89.0	91.0	91.4	93.2	94.1	94.2	94.9	95.0	95.0	95.3	95.4	96.0	97.0
IV 200	75.0	84.7	86.9	89.0	91.0	91.4	93.3	94.3	94.4	94.8	95.3	95.4	95.6	95.6	96.1	97.0
IV 100	75.0	84.7	86.9	89.0	91.0	91.4	93.3	94.3	94.4	94.8	95.3	95.4	95.6	95.6	96.1	97.0
IV 0	75.0	84.7	86.9	89.0	91.0	91.4	93.5	94.5	94.6	95.4	95.6	95.6	96.0	96.0	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1609

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

04903  
STATION

FT WALTERS AFB FL/MINERAL WELLS

49-64,07-70

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	48.0	50.5	50.8	51.4	51.7	51.9	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.1
≥ 20000	54.0	56.5	56.8	57.4	57.7	57.8	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.2
IV 18000	55.1	57.0	57.4	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.7	58.9
IV 16000	55.2	57.1	57.5	58.1	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.9	59.0
IV 14000	55.4	58.3	58.7	59.3	59.6	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.1
IV 12000	55.5	58.4	58.8	59.4	59.7	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.2
IV 10000	55.6	58.5	58.9	59.5	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.3
IV 9000	55.7	58.6	59.0	59.6	59.9	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.4
IV 8000	55.8	58.7	59.1	59.7	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.5
IV 7000	55.9	58.8	59.2	59.8	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.6
IV 6000	56.0	58.9	59.3	59.9	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.7
IV 5000	56.1	59.0	59.4	60.0	60.3	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.8
IV 4500	56.2	59.1	59.5	60.1	60.4	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.9
IV 4000	56.3	59.2	59.6	60.2	60.5	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	61.0
IV 3500	56.4	59.3	59.7	60.3	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.1
IV 3000	56.5	59.4	59.8	60.4	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.2
IV 2500	56.6	59.5	59.9	60.5	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.3
IV 2000	56.7	59.6	60.0	60.6	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4
IV 1800	56.8	59.7	60.1	60.7	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.5
IV 1500	56.9	59.8	60.2	60.8	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.6
IV 1200	57.0	59.9	60.3	60.9	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.7
IV 1000	57.1	60.0	60.4	61.0	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.8
IV 900	57.2	60.1	60.5	61.1	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9
IV 800	57.3	60.2	60.6	61.2	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	62.0
IV 700	57.4	60.3	60.7	61.3	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.1
IV 600	57.5	60.4	60.8	61.4	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.2
IV 500	57.6	60.5	60.9	61.5	61.8	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.3
IV 400	57.7	60.6	61.0	61.6	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.4
IV 300	57.8	60.7	61.1	61.7	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.5
IV 200	57.9	60.8	61.2	61.8	62.1	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.6
IV 100	58.0	60.9	61.3	61.9	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.7
IV 0	58.1	61.0	61.4	62.0	62.3	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.8

TOTAL NUMBER OF OBSERVATIONS 1670



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

02544  
 STATION

FT WALTER AAF TEX/INDEPENDENT WELLS 49-45, 47-70

STATION NAME

YEARS

1-0  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1400  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.2	54.2	54.5	54.6	54.7	54.7	54.8	54.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	63.3	63.2	63.0	63.1	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	63.4	63.4	63.4	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000	64.7	64.5	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 12000	66.2	65.4	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 10000	67.5	67.2	67.4	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 9000	68.0	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 8000	69.0	68.6	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 7000	70.0	69.7	70.0	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000	70.5	70.3	70.4	70.5	70.5	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	72.1	72.1	72.4	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	72.8	72.8	73.1	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3500	73.4	73.4	73.8	74.0	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 3000	74.3	74.3	74.6	75.8	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2500	78.4	77.9	78.3	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2000	81.4	81.3	81.8	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1800	82.0	81.5	82.0	82.3	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1500	84.0	83.5	84.0	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1200	88.1	87.7	87.3	87.9	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	90.4	89.5	89.3	89.9	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 900	91.4	91.2	91.1	90.8	91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 800	92.0	91.6	91.3	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	93.8	93.7	92.0	93.2	93.8	93.8	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 600	94.9	94.6	92.6	94.1	94.9	94.9	95.3	95.5	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9
IV 500	97.4	97.1	93.4	94.9	95.9	95.9	96.4	96.6	96.8	97.0	97.3	97.3	97.4	97.4	97.4	97.4
IV 400	98.7	98.1	95.3	96.3	96.6	96.7	97.4	97.7	97.8	98.1	98.4	98.4	98.7	98.7	98.7	98.7
IV 300	99.5	99.2	97.7	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	99.9	99.8	99.3	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1671

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

03963 STATION PT WALTERS AFB TEX/HINKAL WFLS 49-65,67-70 YEARS

PER MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOUR (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	53.1	54.4	55.1	55.4	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	62.4	64.1	64.4	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000	62.5	64.2	64.5	64.9	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 16000	63.4	65.1	65.3	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 14000	65.3	67.0	67.3	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 12000	66.2	67.9	68.2	68.4	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	68.9	70.6	71.1	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 9000	70.1	71.8	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 8000	70.4	72.1	72.7	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	71.2	72.9	73.6	74.1	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	71.6	73.3	74.0	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	72.6	74.3	75.0	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4500	72.9	74.6	75.3	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	73.7	75.4	76.1	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3500	74.9	76.6	77.3	77.7	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	77.6	79.3	80.0	80.7	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2500	79.9	81.6	82.3	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2000	81.9	83.6	84.3	85.4	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1800	83.1	84.8	85.5	86.6	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500	84.5	86.2	86.9	88.0	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1200	85.9	87.6	88.3	89.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1000	86.6	88.3	89.0	90.1	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900	87.2	88.9	89.6	90.7	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 800	87.5	89.2	89.9	91.0	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 700	88.0	89.7	90.4	91.5	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 600	88.3	90.0	90.7	91.8	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 500	88.4	90.1	90.8	91.9	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 400	88.7	90.4	91.1	92.2	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 300	88.7	90.4	91.1	92.2	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 200	88.7	90.4	91.1	92.2	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 100	88.7	90.4	91.1	92.2	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 0	88.7	90.4	91.1	92.2	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS 1002

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 17 MILITARY AFB TEX/INERAL WELLS YEAR 49-65, 67-70 MONTH FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
 HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	69.1	69.4	61.0	61.2	61.4	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000 16000	67.1	69.0	69.4	69.5	69.6	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 14000 12000	69.2	71.1	71.5	71.7	71.9	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 10000 9000	71.7	73.7	74.2	74.4	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 8000 7000	73.1	75.1	75.3	75.9	75.9	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 6000 5000	75.0	77.1	77.5	77.7	77.9	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500 4000	76.6	78.7	79.1	79.4	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3500 3000	79.1	81.3	81.8	82.1	82.3	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500 2000	82.1	84.6	85.2	85.5	85.7	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800 1500	84.5	87.7	88.2	88.6	89.0	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200 1000	86.4	89.5	90.1	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 900 800	87.1	90.1	90.7	91.1	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 600 500	87.8	90.8	91.4	91.8	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 400 300	88.1	91.1	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 200 100	88.1	91.1	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 0	88.1	91.1	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS: 1634

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/DAC

# CEILING VERSUS VISIBILITY

03243  
 STATION

FT WALTERS AAF TEX/MINERAL WELLS

49-65,67-70

YEARS

FEB  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.7	64.2	64.5	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	62.7	64.2	64.5	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	69.7	71.4	71.5	71.6	71.7	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.2
IV 16000	69.9	71.7	71.7	71.9	72.0	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
IV 14000	72.0	72.3	72.4	72.5	72.7	72.7	72.8	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.1
IV 12000	71.5	71.5	71.6	71.8	72.7	72.7	73.3	73.3	73.3	73.8	73.8	74.0	74.0	74.0	74.0	74.1
IV 10000	72.7	74.6	74.7	74.8	75.0	75.0	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.4
IV 9000	72.9	74.8	74.9	75.0	75.1	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.6
IV 8000	73.7	75.6	75.7	75.8	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.4
IV 7000	74.0	76.0	76.6	76.8	76.9	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3
IV 6000	75.1	76.9	77.1	77.2	77.4	77.4	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IV 5000	76.0	78.7	78.9	79.0	79.2	79.2	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.6
IV 4500	77.0	79.1	79.3	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8
IV 4000	78.2	80.3	80.5	80.7	80.8	80.8	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.3
IV 3500	79.0	81.2	81.4	81.5	81.6	81.6	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1
IV 3000	80.2	82.6	82.9	83.0	83.1	83.1	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.6
IV 2500	81.7	84.3	84.5	84.6	84.8	84.8	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.3
IV 2000	82.8	85.5	85.9	86.1	86.4	86.4	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.9
IV 1800	83.4	86.1	86.4	86.7	87.0	87.0	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5
IV 1500	84.3	87.0	87.4	87.7	88.1	88.1	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.6
IV 1200	85.8	89.0	89.7	90.2	90.6	90.6	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.1
IV 1000	86.6	90.0	90.8	91.4	91.8	91.8	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.7
IV 900	87.0	90.0	91.4	92.1	92.6	92.6	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.4
IV 800	87.5	91.0	91.5	93.2	93.7	93.7	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.7
IV 700	87.6	91.0	91.4	93.8	94.1	94.1	94.5	94.9	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.3
IV 600	88.1	91.1	91.4	93.8	94.5	94.5	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1
IV 500	88.4	91.7	94.9	95.7	96.7	96.7	97.0	97.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.3
IV 400	88.4	91.7	94.9	95.7	96.7	96.7	97.0	97.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.3
IV 300	88.4	91.7	94.9	95.7	96.7	96.7	97.0	97.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.3
IV 200	88.4	91.7	94.9	95.7	96.7	96.7	97.0	97.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.3
IV 100	88.4	91.7	94.9	95.7	96.7	96.7	97.0	97.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.3
IV 0	88.4	91.7	94.9	95.7	96.7	96.7	97.0	97.0	97.0	97.8	97.8	98.1	98.1	98.1	98.1	98.3

TOTAL NUMBER OF OBSERVATIONS 1613

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

03943  
 STATION

FT WALTERS AFB TEX/HINEMAL WELLS

49-65,67-70

YEARS

48R  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	62.0	61.4	61.5	63.9	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6
≥ 20000	68.3	69.7	69.8	70.2	70.8	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0
≥ 18000	68.4	69.9	70.0	70.4	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
≥ 16000	69.1	70.5	70.6	71.0	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8
≥ 14000	70.3	71.7	71.8	72.2	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0
≥ 12000	71.7	73.2	73.3	73.7	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5
≥ 10000	72.1	74.3	74.3	74.7	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.7
≥ 9000	72.9	74.7	74.7	75.1	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1
≥ 8000	73.8	75.6	75.7	76.1	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
≥ 7000	74.5	76.3	76.3	76.7	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7	77.7
≥ 6000	75.3	77.1	77.1	77.5	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 5000	76.0	77.8	77.8	78.2	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3
≥ 4500	76.9	78.7	78.7	79.1	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 4000	77.7	79.5	79.5	80.0	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2
≥ 3500	78.4	80.2	80.2	80.7	81.7	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0
≥ 3000	79.1	81.0	81.0	81.5	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.0
≥ 2500	81.0	83.0	83.0	83.5	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1
≥ 2000	81.4	83.5	83.5	84.0	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.7	85.7
≥ 1800	81.8	84.0	84.0	84.5	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3
≥ 1500	82.1	84.4	84.4	84.9	86.4	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8
≥ 1200	82.5	84.8	84.8	85.3	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3
≥ 1000	82.9	85.2	85.2	85.7	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8
≥ 900	83.3	85.6	85.6	86.1	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.3
≥ 800	83.7	86.0	86.0	86.5	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.8	88.8
≥ 700	84.1	86.4	86.4	86.9	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3
≥ 600	84.5	86.8	86.8	87.3	89.4	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.8	89.8
≥ 500	84.9	87.2	87.2	87.7	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.3
≥ 400	85.3	87.6	87.6	88.1	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.7	90.7
≥ 300	85.7	88.0	88.0	88.5	90.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1
≥ 200	86.1	88.4	88.4	88.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.5	91.5
≥ 100	86.5	88.8	88.8	89.3	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9
≥ 0	86.9	89.2	89.2	89.7	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.4	92.4

TOTAL NUMBER OF OBSERVATIONS 1758

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

01943 STATION FT WALTERS AAF TEX/MINERAL WELLS 48-44.67-70 YEARS MAR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	57.4	58.8	58.9	59.1	59.5	59.6	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2
≥ 20000	63.1	64.7	64.8	65.0	65.4	65.5	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	66.1	66.1
NV 18000	63.4	65.0	65.1	65.3	65.7	65.8	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.4	66.4
NV 16000	63.7	65.2	65.4	65.5	65.9	66.0	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.6	66.6
NV 14000	65.0	66.6	66.7	66.8	67.2	67.3	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.9	67.9
NV 12000	66.4	68.0	68.1	68.3	68.7	68.8	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.4	69.4
NV 10000	68.1	69.7	69.8	70.1	70.4	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.2	71.2
NV 9000	69.8	71.5	71.6	71.8	72.1	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.9	72.9
NV 8000	70.7	71.6	71.7	71.9	72.3	72.4	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	73.0	73.0
NV 7000	70.5	71.3	71.4	71.6	72.0	72.1	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.7	72.7
NV 6000	71.2	73.0	73.1	73.4	73.8	73.9	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.5	74.5
NV 5000	72.3	73.2	73.3	73.7	74.1	74.2	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.8	74.8
NV 4500	72.4	73.3	73.4	73.8	74.2	74.3	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.9	74.9
NV 4000	73.3	74.3	74.4	74.8	75.2	75.3	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.9	75.9
NV 3500	74.4	75.4	75.5	75.9	76.3	76.4	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	77.0	77.0
NV 3000	74.4	75.6	75.7	76.1	76.5	76.6	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.2	77.2
NV 2500	75.5	76.5	76.6	77.0	77.4	77.5	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.1	78.1
NV 2000	76.5	77.5	77.6	78.0	78.4	78.5	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.1	79.1
NV 1800	77.1	78.1	78.2	78.6	79.0	79.1	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.7	79.7
NV 1600	77.1	78.1	78.2	78.6	79.0	79.1	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.7	79.7
NV 1500	77.1	78.1	78.2	78.6	79.0	79.1	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.7	79.7
NV 1200	78.4	79.4	79.5	79.9	80.3	80.4	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	81.0	81.0
NV 1000	79.4	80.4	80.5	80.9	81.3	81.4	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	82.0	82.0
NV 900	80.6	81.6	81.7	82.1	82.5	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.2	83.2
NV 800	81.7	82.7	82.8	83.2	83.6	83.7	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.3	84.3
NV 700	82.7	83.7	83.8	84.2	84.6	84.7	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.3	85.3
NV 600	83.9	84.9	85.0	85.4	85.8	85.9	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.5	86.5
NV 500	84.2	85.2	85.3	85.7	86.1	86.2	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.8	86.8
NV 400	85.4	86.4	86.5	86.9	87.3	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	88.0	88.0
NV 300	86.4	87.4	87.5	87.9	88.3	88.4	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	89.0	89.0
NV 200	87.4	88.4	88.5	88.9	89.3	89.4	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	90.0	90.0
NV 100	88.4	89.4	89.5	89.9	90.3	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	91.0	91.0
NV 0	88.4	89.4	89.5	89.9	90.3	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS 1824



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

02942  
 STATION

FT WILTHERS AAF TEX/MINERAL WELLS  
 STATION NAME

69-65,67-70  
 YEARS

MAR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-0800  
 HOURS (L.T.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.9	51.1	51.0	51.9	52.2	52.2	52.3	52.3	52.3	52.7	52.7	52.7	52.8	52.8	52.9	52.9
≥ 20000	44.5	56.8	57.4	57.8	58.2	58.2	58.3	58.3	58.3	58.7	58.7	58.7	58.8	58.8	58.9	58.9
≥ 18000	55.0	57.7	57.9	58.3	58.7	58.7	58.8	58.8	58.8	59.2	59.2	59.2	59.2	59.2	59.4	59.4
≥ 16000	58.0	57.9	58.5	59.0	59.4	59.4	59.4	59.4	59.5	59.5	59.8	59.8	59.8	59.9	60.1	60.1
≥ 14000	58.0	61.4	61.0	61.5	61.9	61.9	61.9	62.0	62.0	62.4	62.4	62.4	62.4	62.4	62.6	62.6
≥ 12000	57.8	62.4	62.0	62.4	62.8	62.8	62.8	62.9	62.9	63.3	63.3	63.3	63.3	63.3	63.5	63.5
≥ 10000	61.2	62.9	64.5	64.9	65.3	65.3	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	66.0	66.0
≥ 9000	57.8	64.6	65.2	65.7	66.1	66.1	66.1	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.8	66.8
≥ 8000	61.7	66.6	67.2	67.6	68.0	68.0	68.0	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.7	68.7
≥ 7000	60.0	67.5	68.1	68.6	69.0	69.0	69.0	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.7	69.7
≥ 6000	65.0	69.7	69.2	69.6	70.0	70.0	70.0	70.1	70.1	70.5	70.5	70.5	70.5	70.5	70.7	70.7
≥ 5000	66.9	71.0	70.0	71.4	71.4	71.4	71.5	71.5	71.5	71.9	71.9	71.9	71.9	72.0	72.1	72.1
≥ 4500	67.1	71.3	70.9	71.4	71.7	71.7	71.8	71.8	71.8	72.2	72.2	72.2	72.3	72.3	72.4	72.4
≥ 4000	63.7	71.8	72.5	72.9	73.3	73.3	73.4	73.5	73.5	73.9	73.9	73.9	73.9	73.9	74.1	74.1
≥ 3500	69.3	72.9	73.0	74.0	74.4	74.4	74.5	74.6	74.6	75.0	75.0	75.0	75.0	75.0	75.2	75.2
≥ 3000	70.6	74.4	75.2	75.7	76.1	76.1	76.2	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.9	76.9
≥ 2500	71.7	75.6	76.4	77.0	77.4	77.4	77.5	77.5	77.5	77.9	77.9	77.9	78.0	78.0	78.1	78.1
≥ 2000	74.7	79.0	79.8	80.4	80.8	80.8	81.0	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.7	81.7
≥ 1800	76.2	81.6	81.4	82.0	82.4	82.5	82.9	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.3
≥ 1500	70.4	83.1	82.0	84.6	85.1	85.2	85.3	85.4	85.4	85.8	85.8	85.8	85.8	85.8	86.0	86.0
≥ 1200	80.5	85.7	86.6	87.3	87.8	87.9	88.0	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.7	88.7
≥ 1000	81.7	88.0	89.2	90.0	90.6	90.7	90.8	90.9	90.9	91.3	91.3	91.3	91.4	91.4	91.5	91.5
≥ 900	82.0	89.5	89.8	90.6	91.2	91.3	91.5	91.7	91.7	92.0	92.0	92.0	92.1	92.1	92.3	92.3
≥ 800	82.7	90.5	90.9	91.8	92.4	92.5	92.7	92.8	92.8	93.2	93.2	93.2	93.3	93.3	93.3	93.5
≥ 700	83.1	91.1	91.8	93.0	93.7	93.8	94.1	94.2	94.2	94.6	94.7	94.7	94.7	94.7	94.9	94.9
≥ 600	83.4	91.5	92.1	93.6	94.5	94.6	95.0	95.3	95.3	95.7	95.7	95.7	95.8	95.8	96.0	96.0
≥ 500	83.7	91.7	92.9	94.5	95.4	95.6	96.1	96.6	96.6	97.1	97.2	97.2	97.2	97.2	97.4	97.4
≥ 400	83.9	91.3	93.2	94.8	96.0	96.1	96.7	97.2	97.2	97.8	97.9	97.9	98.0	98.0	98.2	98.2
≥ 300	84.0	91.5	93.4	95.1	96.4	96.7	97.3	97.9	97.9	98.5	98.6	98.6	98.6	98.7	98.9	98.9
≥ 200	84.0	91.5	93.4	95.1	96.4	96.7	97.3	97.9	97.9	98.5	98.7	98.7	98.7	98.7	98.9	98.9
≥ 100	84.0	91.5	93.4	95.1	96.4	96.7	97.3	97.9	97.9	98.5	98.8	98.8	98.8	98.8	99.0	99.0
≥ 0	84.0	91.5	93.4	95.1	96.4	96.7	97.3	97.9	97.9	98.5	98.8	98.8	98.8	98.8	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS 1833

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

04942  
STATION

17 WILTBRS AAF TTX/MINERAL WELLS  
STATION NAME

49-65-67-70  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-1100  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING ≥ 20000	51.2	53.0	51.3	53.4	53.5	53.5	53.6	53.4	53.6	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8
IVV 18000 16000	59.4	61.0	61.9	62.6	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4
IVV 14000 12000	61.4	63.8	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.5	64.5	64.5	64.5
IVV 10000 9000	65.0	67.5	67.7	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.2	68.2
IVV 8000 7000	66.4	68.9	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6
IVV 6000 5000	68.8	71.1	71.2	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7
IVV 4500 4000	69.5	72.7	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.0
IVV 3500 3000	71.2	74.0	74.1	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9
IVV 2500 2000	75.4	77.3	78.9	79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
IVV 1800 1500	79.5	82.9	83.5	83.8	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2
IVV 1200 1000	86.4	88.7	89.5	89.9	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9	90.9	90.9
IVV 900 800	90.5	91.4	92.2	92.9	93.3	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.0
IVV 700 600	91.3	92.4	93.5	94.3	95.4	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0
IVV 500 400	97.9	94.5	94.7	95.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IVV 300 200	97.9	94.5	94.9	96.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IVV 100 0	97.9	94.5	94.9	96.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 1833



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

02963  
 STATION

FT WALTERS AFB TEX/MINERAL WELLS

49-63,67-70

YEARS

MAR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1600  
 HOUR (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	66.3	67.1	67.1	67.2	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
≥ 20000	65.5	66.4	66.5	66.6	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 18000	65.9	66.8	66.9	67.0	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000	66.3	67.2	67.2	67.4	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
≥ 14000	68.4	69.3	69.3	69.4	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9
≥ 12000	69.4	70.3	70.3	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9
≥ 10000	70.6	71.4	71.5	71.6	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	71.2	72.0	72.1	72.2	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 8000	71.8	72.7	72.7	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3
≥ 7000	72.7	73.7	73.7	73.8	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3
≥ 6000	73.8	74.8	74.9	75.0	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 5000	74.9	75.8	75.9	76.1	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5
≥ 4500	75.5	76.4	76.6	76.7	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1
≥ 4000	76.5	77.5	77.6	77.7	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	77.9	78.0	78.8	78.9	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4
≥ 3000	80.0	81.4	81.8	81.9	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4
≥ 2500	82.0	83.6	83.9	84.1	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	84.5	86.8	87.2	87.3	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	85.0	87.9	88.3	88.5	88.6	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
≥ 1500	87.3	90.2	90.6	90.9	91.0	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5
≥ 1200	89.6	92.4	92.9	93.3	93.6	93.7	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	90.0	93.4	94.0	94.5	94.8	94.9	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6
≥ 900	90.3	93.8	94.2	94.7	95.0	95.2	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9
≥ 800	90.9	94.4	95.0	95.5	95.9	96.0	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 700	90.9	94.0	95.3	95.8	96.2	96.4	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
≥ 600	91.1	94.9	95.6	96.4	97.0	97.1	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 500	91.9	95.0	96.4	97.2	97.9	98.1	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 400	91.0	95.6	96.5	97.3	98.2	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 300	91.0	95.0	96.5	97.3	98.2	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200	91.6	95.6	96.5	97.5	98.2	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	91.6	95.6	96.5	97.5	98.2	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0	91.6	95.6	96.5	97.5	98.2	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1818

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION

FT WILLIAMS AFB TEX/MINERAL WELLS

49-65,67-70

YEARS

1A4  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING ≥ 20000	55.4	56.2	56.4	56.9	57.1	57.1	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
18000 16000	67.0	67.9	68.2	68.3	68.8	69.0	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
14000 12000	70.3	70.4	70.6	71.2	71.2	71.4	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
10000 9000	71.6	72.6	72.9	73.5	73.6	73.7	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
8000 7000	72.6	74.0	74.2	74.8	75.0	75.1	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
6000 5000	74.8	76.0	76.3	76.9	77.0	77.1	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4500 4000	76.6	78.1	78.4	79.1	79.3	79.4	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3500 3000	80.6	81.3	81.7	82.4	82.6	82.7	83.1	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4
2500 2000	84.5	86.2	86.5	87.3	87.5	87.6	88.0	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3
1800 1500	88.4	88.6	89.1	90.0	90.3	90.4	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1200 1000	91.0	91.6	92.2	93.3	93.8	93.9	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
900 800	90.1	92.3	93.7	95.0	95.1	95.5	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
700 600	91.1	94.1	95.0	96.4	96.9	97.3	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
500 400	91.3	94.3	95.7	97.3	97.6	97.9	98.6	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
300 200	91.4	94.9	95.8	97.4	97.9	98.1	99.0	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
100 0	91.6	94.9	95.8	97.4	97.9	98.1	99.0	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1829

4

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03943  
STATION

F1 WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-69-67-70  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.9	59.1	59.6	60.3	60.7	60.7	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
IV 18000 16000	69.1	70.5	71.0	72.0	72.2	72.3	72.5	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8
IV 14000 12000	71.8	73.2	73.8	74.8	74.9	75.0	75.3	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000 9000	75.0	76.4	76.9	77.9	78.1	78.2	78.4	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000 7000	76.2	77.7	78.3	79.3	79.3	79.4	79.6	79.6	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1
IV 6000 5000	77.7	79.2	79.8	80.8	81.1	81.2	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500 4000	80.0	81.7	82.2	83.4	83.7	83.8	84.0	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500 3000	81.9	83.9	84.4	85.5	85.9	86.0	86.2	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500 2000	85.0	87.6	87.8	89.1	89.2	89.3	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1800 1500	91.4	91.3	91.3	91.3	91.4	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200 1000	93.7	93.3	93.3	93.7	94.2	94.4	94.6	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1
IV 900 800	94.7	94.3	94.3	94.4	94.9	95.0	95.3	95.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9
IV 700 600	95.9	95.6	95.6	95.6	96.5	97.2	97.3	97.6	97.7	97.7	98.1	98.3	98.3	98.4	98.4	98.4
IV 500 400	96.8	96.8	96.8	96.8	97.2	97.7	98.0	98.4	98.5	98.5	98.9	99.1	99.1	99.2	99.2	99.3
IV 300 200	97.0	97.2	97.2	97.4	98.1	98.3	98.6	98.7	98.7	99.1	99.3	99.3	99.4	99.4	99.5	99.5
IV 100 0	97.0	97.2	97.2	97.4	98.2	98.4	98.8	98.8	98.9	99.4	99.6	99.6	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1731

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03943  
 STATION

PT WILKES AFB TEX/MINERAL WELLS  
 STATION NAME

49-65,07-70  
 YEARS

JAR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOUR (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	64.0	66.5	66.6	66.9	67.1	67.2	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	71.7	74.5	75.5	74.9	75.0	75.2	75.2	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	71.9	74.6	74.8	75.2	75.3	75.4	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000	72.9	75.3	75.4	75.7	75.9	76.0	76.1	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4
≥ 14000	73.6	76.4	76.5	76.8	77.0	77.1	77.1	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5
≥ 12000	74.1	77.0	77.0	77.4	77.5	77.6	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 10000	75.3	78.1	78.1	78.5	78.7	78.8	78.8	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 9000	75.6	78.4	78.5	78.8	79.0	79.1	79.2	79.2	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5
≥ 8000	76.1	78.9	79.0	79.3	79.5	79.6	79.7	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	76.5	79.4	79.5	79.8	80.0	80.1	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 6000	77.1	80.0	80.1	80.4	80.6	80.7	80.7	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥ 5000	78.0	81.4	81.4	81.8	81.9	82.0	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4500	78.8	82.4	82.4	82.9	83.1	83.2	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000	79.5	83.5	83.5	84.0	84.3	84.4	84.5	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	80.4	84.8	84.8	85.0	85.3	85.4	85.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	81.3	85.4	85.4	85.9	86.3	86.4	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500	82.5	87.1	87.1	87.4	87.8	88.0	88.0	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	83.0	87.6	87.6	88.1	88.7	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	83.3	87.9	87.9	88.4	89.0	89.1	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	83.7	88.2	88.2	88.7	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	84.0	88.5	88.5	89.0	89.6	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	84.3	88.8	88.8	89.3	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	84.6	89.1	89.1	89.6	90.2	90.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 800	84.9	89.4	89.4	89.9	90.5	90.6	90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 700	85.2	89.7	89.7	90.2	90.8	90.9	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 600	85.5	90.0	90.0	90.5	91.1	91.2	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	85.8	90.3	90.3	90.8	91.4	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 400	86.1	90.6	90.6	91.1	91.7	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 300	86.4	90.9	90.9	91.4	92.0	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 200	86.7	91.2	91.2	91.7	92.3	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 100	87.0	91.5	91.5	92.0	92.6	92.7	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 0	87.3	91.8	91.8	92.3	92.9	93.0	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS 1771

DATA PROCESSING DIVISION  
USAF ETAC  
AJP WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

01941  
STATION

FT WALTERS AAF TEX/MINERAL WELLS

49-69-67-70

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	65.0	60.0	60.9	61.0	61.1	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
IV 18000 16000	65.5	67.9	68.3	68.6	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
IV 14000 12000	67.5	69.9	70.3	70.5	70.9	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
IV 10000 9000	69.1	71.7	72.3	72.7	73.0	73.2	73.3	73.3	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4
IV 8000 7000	70.6	73.5	74.1	74.6	74.9	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3
IV 6000 5000	72.5	75.3	75.9	76.4	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2
IV 4500 4000	74.0	77.0	77.6	78.2	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0
IV 3500 3000	75.6	78.9	79.5	80.1	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
IV 2500 2000	79.4	82.4	83.5	84.3	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1
IV 1800 1500	83.1	85.8	87.7	88.5	88.9	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
IV 1200 1000	86.2	89.8	91.7	92.6	93.3	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
IV 900 800	87.1	92.2	93.2	94.2	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4
IV 700 600	87.7	93.4	94.6	95.3	96.5	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.2
IV 500 400	88.2	94.3	95.6	96.9	97.7	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.4
IV 300 200	88.4	94.5	95.8	97.4	98.2	98.3	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.2
IV 100 0	88.3	94.5	95.8	97.4	98.3	98.5	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 1755

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION

FT WILKINS AFB TEX/MINERAL WELLS 49-65,67-70

YEARS

4Pr  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
 HOUR (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	52.1	54.7	54.7	54.3	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 20000	57.3	60.5	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2
≥ 18000	57.3	60.5	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2
≥ 16000	57.8	61.1	61.1	61.2	61.3	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7
≥ 14000	59.2	62.5	62.6	62.7	62.8	62.8	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	61.4	64.8	64.8	64.9	65.1	65.1	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
≥ 10000	61.4	64.8	64.9	65.0	65.1	65.1	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
≥ 9000	61.4	64.8	64.9	65.0	65.1	65.1	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
≥ 8000	62.8	66.3	66.6	66.7	66.8	66.8	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 7000	63.7	67.4	67.5	67.7	67.7	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
≥ 6000	64.5	68.6	68.6	68.8	68.8	68.8	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.3	69.3	69.3
≥ 5000	65.0	69.0	69.8	70.0	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5
≥ 4500	66.1	70.1	70.3	70.5	70.6	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	67.1	71.4	71.7	71.8	71.9	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4
≥ 3500	68.1	72.5	72.7	72.9	73.0	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3000	69.8	74.5	74.9	75.2	75.3	75.3	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2500	72.0	77.1	77.5	77.7	77.8	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4
≥ 2000	75.5	80.5	81.2	81.6	81.7	81.8	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3
≥ 1800	77.2	82.6	83.3	83.7	83.8	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 1500	80.1	86.2	86.9	87.4	87.7	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3
≥ 1200	81.5	88.3	89.2	89.8	90.2	90.3	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
≥ 1000	82.9	90.0	90.9	91.6	92.0	92.1	92.3	92.5	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7
≥ 900	83.5	90.9	92.0	92.6	93.0	93.2	93.6	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 800	83.5	91.1	92.2	93.0	93.4	93.5	94.0	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
≥ 700	84.1	91.8	92.7	93.7	94.1	94.5	95.0	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	84.5	92.0	93.8	94.9	95.3	95.6	96.1	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5
≥ 500	84.7	92.7	94.9	95.0	95.6	95.9	96.4	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 400	84.7	93.1	94.3	95.4	96.1	96.5	97.3	97.4	97.4	97.5	97.5	97.5	97.7	97.7	97.7	97.7
≥ 300	84.7	93.4	94.5	95.8	96.6	97.1	98.0	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.5
≥ 200	84.7	93.4	94.5	95.8	96.7	97.2	98.1	98.2	98.2	98.4	98.5	98.5	98.7	98.7	98.7	98.7
≥ 100	84.7	93.6	94.5	95.8	96.7	97.2	98.2	98.3	98.3	98.5	98.5	98.5	98.7	98.7	98.7	98.7
0	84.7	93.6	94.5	95.8	96.7	97.2	98.2	98.3	98.3	98.5	98.5	98.5	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 1722



4

DATA PROCESSING DIVISION  
USAF ETAC  
FIR WEATHER SERVICE/FAO

# CEILING VERSUS VISIBILITY

STATION 01961 FT WALTERS AFB TEX/MINERAL WELLS YEARS 49-49, 67-70

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.4	46.7	47.0	47.2	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IVN 18000 16000	49.0	52.1	52.5	52.8	53.0	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IVN 14000 12000	50.8	51.4	51.7	51.8	51.9	52.0	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IVN 10000 9000	54.4	57.1	57.4	57.7	58.1	58.1	58.1	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IVN 8000 7000	56.6	59.4	59.8	60.3	60.6	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IVN 6000 5000	62.8	61.7	62.2	62.9	63.7	63.4	63.4	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IVN 4500 4000	60.7	63.9	64.5	65.2	65.0	65.8	65.8	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVN 3500 3000	62.5	66.1	66.7	67.5	68.0	68.1	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IVN 2500 2000	71.9	72.0	72.8	73.6	74.1	74.3	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IVN 1800 1500	73.0	76.1	78.9	79.9	80.6	80.7	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IVN 1200 1000	78.6	85.0	86.0	87.3	88.0	88.2	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVN 900 800	80.5	87.7	88.8	90.3	91.0	91.2	91.5	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVN 700 600	81.6	87.2	89.7	91.3	92.0	92.2	92.5	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVN 500 400	82.5	91.4	92.0	94.0	95.0	95.4	95.9	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVN 300 200	82.0	90.9	92.6	94.9	96.1	96.5	97.4	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVN 100 0	82.0	90.9	92.6	94.9	96.1	96.5	97.4	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 1772

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03043  
STATION

FT WALTERS AAF TEX/MINERAL WELLS

49-65,67-70

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	47.5	49.0	49.4	49.5	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	53.2	54.0	55.2	55.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 18000	53.3	55.0	55.3	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 16000	53.3	55.0	55.4	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 14000	54.3	56.1	56.4	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	55.7	57.4	57.7	57.9	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	58.2	60.1	60.6	60.8	61.1	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 9000	59.2	61.1	61.6	61.8	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 8000	60.7	63.0	63.4	63.7	64.0	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 7000	61.3	63.6	64.0	64.3	64.6	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 6000	62.0	64.4	64.8	65.1	65.4	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 5000	63.2	65.8	66.3	66.7	67.0	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500	64.1	66.7	67.2	67.7	68.0	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4000	65.5	68.0	68.6	69.0	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3500	67.2	69.8	70.3	70.7	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3000	69.8	72.7	73.3	73.8	74.2	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 2500	72.7	75.6	76.3	76.8	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 2000	76.0	79.9	80.6	81.1	81.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	78.3	81.9	82.7	83.2	83.6	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500	81.4	85.3	86.1	86.6	87.0	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200	84.3	89.1	90.0	90.6	91.0	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1000	86.3	91.2	92.1	93.0	93.4	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 900	88.0	91.9	93.0	93.6	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 800	87.6	92.8	93.9	94.8	95.3	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	88.0	93.5	94.8	95.6	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	88.3	94.0	95.2	96.1	96.7	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	88.7	94.8	96.0	97.2	98.0	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	88.8	94.9	96.3	97.5	98.4	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	88.9	95.0	96.3	97.5	98.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	88.9	95.0	96.3	97.5	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	88.9	95.0	96.3	97.5	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	88.9	95.0	96.3	97.5	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1793



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03967  
STATION

FT WALTERS AFB TEX MINERAL WELLS

49-65-67-70  
YEARS

APP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.5	53.1	54.2	53.4	53.8	53.5	53.0	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 18000 16000	60.7	61.3	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 14000 12000	61.2	62.0	62.1	62.4	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 10000 9000	64.4	65.4	65.6	65.9	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 8000 7000	66.9	68.2	68.3	68.7	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 6000 5000	70.8	70.1	70.3	70.6	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4500 4000	71.5	72.9	73.1	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500 3000	76.2	77.7	78.0	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2500 2000	83.9	84.8	85.5	86.9	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1800 1500	91.0	91.1	91.9	91.2	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1200 1000	91.6	94.4	95.1	95.5	96.0	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 900 800	92.4	95.3	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
IV 700 600	92.9	95.9	96.8	97.4	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7
IV 500 400	93.0	96.3	97.2	97.9	98.0	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300 200	93.2	96.5	97.4	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
IV 100 0	93.2	96.5	97.4	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

TOTAL NUMBER OF OBSERVATIONS 1723

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 64901 LT WALTERS AFB TEX/MINERAL WELLS 49-64,67-70 YEARS APR  
STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-1700  
HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	54.7	55.7	55.9	55.7	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IVM 18000 16000	64.7	65.7	66.0	66.3	66.5	66.9	66.9	66.9	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IVM 14000 12000	66.4	67.5	67.6	67.9	68.1	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IVM 10000 9000	70.0	71.4	71.6	71.6	71.6	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IVM 8000 7000	72.2	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IVM 6000 5000	74.5	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IVM 4500 4000	77.7	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IVM 3500 3000	82.4	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IVM 2500 2000	90.9	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVM 1800 1500	92.9	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVM 1200 1000	94.7	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IVM 900 800	96.2	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IVM 700 600	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVM 500 400	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 300 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVM 100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1700

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: FT WALTERS AFB TEX/MIDLAND MILLS YEARS: 49-65, 67-70 MONTH: APR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.T.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	69.9	61.0	61.2	61.8	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
IVM 18000 14000	71.4	71.4	71.6	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IVM 14000 12000	71.4	73.2	74.0	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IVM 10000 9000	75.5	77.6	77.9	78.8	79.0	79.0	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IVM 8000 7000	77.1	77.2	79.6	80.4	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0
IVM 6000 5000	79.4	81.7	82.0	82.9	83.1	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IVM 4500 4000	82.4	84.9	85.3	86.1	86.4	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8
IVM 3500 3000	84.8	87.5	88.0	88.9	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5
IVM 2500 2000	87.4	90.5	91.2	92.2	92.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9
IVM 1800 1500	88.9	92.4	93.1	94.2	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0
IVM 1200 1000	90.4	94.3	95.0	96.3	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IVM 900 800	90.7	95.0	95.7	97.0	97.5	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IVM 700 600	91.1	95.4	96.1	97.5	98.1	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IVM 500 400	91.1	95.5	96.2	98.1	98.6	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 300 200	91.3	95.8	96.5	98.5	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVM 100 0	91.3	95.6	96.8	98.5	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 1752

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03943  
 STATION

FT WALTERS AAF TEX/MINERAL WELLS

49-69,67-70

YEARS

APR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 2000	74.2	65.1	66.1	66.3	66.4	66.4	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9
IV 18000 16000	71.0	73.7	74.0	74.4	74.7	74.8	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 14000 12000	75.1	75.4	75.7	76.1	76.4	76.5	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 10000 9000	75.6	75.2	75.9	76.0	76.3	76.4	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 8000 7000	77.2	79.8	80.1	80.7	81.1	81.2	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 6000 5000	79.1	82.0	82.3	82.9	83.3	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4500 4000	81.7	85.2	85.4	86.1	86.5	86.5	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3500 3000	83.4	86.9	87.2	87.9	88.3	88.3	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2500 2000	85.7	89.4	89.8	90.5	91.1	91.2	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800 1500	87.5	91.6	92.0	92.9	93.5	93.6	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200 1000	88.9	93.5	94.0	95.0	95.7	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900 800	89.4	94.2	94.9	95.8	96.7	96.8	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700 600	89.8	94.9	95.8	96.8	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500 400	90.0	95.2	96.1	97.3	98.3	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300 200	90.0	95.4	96.4	97.7	98.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100 0	90.0	95.4	96.4	97.7	98.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 1711

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 03043 FT WILKINS AFB TEX/MINERAL WELLS STATION NAME 49-65467-70 YEARS 44Y MONTH 0200

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.9	61.7	62.0	62.1	62.4	62.2	62.2	62.7	62.2	62.2	62.2	62.7	62.3	62.3	62.3	62.3
≥ 20000	60.9	62.8	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.4	63.6	63.6	63.6
≥ 18000	70.2	73.1	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9
≥ 16000	70.3	73.7	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0
≥ 14000	72.6	74.8	75.3	75.4	75.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6
≥ 12000	73.3	76.3	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0
≥ 10000	74.7	77.9	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
≥ 9000	75.3	78.5	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4
≥ 8000	76.4	79.6	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4
≥ 7000	76.6	80.0	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
≥ 6000	77.0	81.1	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0	82.0	82.0
≥ 5000	77.4	82.4	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3
≥ 4500	79.5	83.3	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3
≥ 4000	79.8	84.3	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8
≥ 3500	81.2	85.2	85.8	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4
≥ 3000	82.5	85.6	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.9	87.9	87.9
≥ 2500	83.8	86.8	88.6	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
≥ 2000	84.4	87.6	89.4	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0
≥ 1800	87.7	91.6	92.2	92.0	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.1	93.1
≥ 1500	88.1	92.9	93.3	93.6	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
≥ 1200	91.1	94.1	94.8	95.2	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7
≥ 1000	91.9	95.2	95.9	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2
≥ 900	93.2	95.7	96.1	97.0	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 800	93.4	95.7	96.9	97.0	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.3
≥ 700	93.7	96.9	97.5	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9
≥ 600	93.7	96.8	97.6	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
≥ 500	93.8	97.2	98.1	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 400	93.8	97.2	98.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 300	93.9	97.3	98.3	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8
≥ 200	93.9	97.3	98.3	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	93.9	97.3	98.3	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
0	93.9	97.3	98.3	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1829

4

DATA PROCESSING DIVISION  
USAF ETA  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION DT WOLTERS AFB TEX/MINERAL WELLS 49-5-7-70 YEARS MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	62.2	55.4	50.0	56.2	36.0	36.6	56.6	56.0	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	61.0	65.5	66.2	66.3	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
NV 18000	61.6	65.6	66.2	66.5	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
NV 16000	61.0	65.6	66.2	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
NV 14000	62.0	66.6	67.2	67.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
NV 12000	62.0	66.5	67.1	67.4	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
NV 10000	65.0	70.2	70.7	71.0	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
NV 9000	66.1	70.8	71.1	71.6	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
NV 8000	67.3	71.9	72.4	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
NV 7000	68.2	72.9	73.5	73.8	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
NV 6000	69.3	74.4	75.1	75.4	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
NV 5000	70.6	75.9	76.7	77.0	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
NV 4500	71.1	76.6	77.4	77.7	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
NV 4000	72.2	77.2	78.0	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
NV 3500	72.4	78.0	78.8	79.2	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
NV 3000	73.0	79.6	80.3	80.7	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
NV 2500	75.1	81.3	82.3	82.7	83.4	83.4	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
NV 2000	78.0	84.8	85.7	86.1	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
NV 1800	79.2	86.1	87.0	87.4	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
NV 1500	81.0	88.6	89.4	89.9	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
NV 1200	83.0	91.1	92.2	92.7	93.3	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
NV 1000	84.0	92.7	93.4	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
NV 900	84.2	93.7	94.8	95.3	95.9	95.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
NV 800	84.7	94.3	94.4	95.1	95.6	95.6	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
NV 700	85.0	94.9	94.9	95.7	96.2	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
NV 600	85.4	94.9	95.4	96.3	96.8	96.8	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
NV 500	85.5	94.9	96.2	97.2	97.8	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
NV 400	85.0	95.1	96.6	97.5	98.4	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
NV 300	85.6	95.1	96.6	97.6	98.6	98.6	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
NV 200	85.6	95.1	96.6	97.6	98.7	98.7	99.4	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
NV 100	85.0	95.1	96.6	97.6	98.7	98.7	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
NV 0	85.0	95.1	96.6	97.6	98.7	98.7	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1828



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIP WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

03943  
STATION

FT WALTERS AFB TEX/MINERAL WELLS

49-65-67-70

YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.2	48.5	48.9	49.2	49.4	49.4	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 18000	53.4	57.3	58.0	58.3	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
IV 16000	53.4	57.5	58.0	58.1	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
IV 14000	54.8	59.1	59.5	59.9	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6
IV 12000	57.3	61.4	62.3	62.7	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4
IV 10000	59.7	64.4	64.9	65.3	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
IV 9000	59.2	64.9	65.4	65.8	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.6	66.6	66.6
IV 8000	61.7	66.7	67.2	67.7	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5
IV 7000	62.5	67.7	68.3	68.7	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5
IV 6000	64.9	69.7	70.3	70.7	71.0	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.8	71.8	71.8
IV 4500	64.5	70.0	70.6	71.3	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
IV 4000	68.9	71.8	72.3	73.1	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1
IV 3500	66.1	72.0	72.6	73.4	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4
IV 3000	67.3	73.2	73.8	74.7	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8
IV 2500	69.5	75.2	75.8	77.0	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.2
IV 2000	71.5	76.4	77.0	78.4	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.8
IV 1800	73.2	79.6	80.3	81.2	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5
IV 1500	75.4	82.1	83.0	83.9	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4
IV 1200	79.4	86.2	87.2	88.3	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7
IV 1000	80.7	88.5	89.7	90.8	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.4	92.4	92.4
IV 900	81.0	89.1	90.2	91.4	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0
IV 800	81.9	90.4	91.6	92.8	94.0	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
IV 700	82.4	91.3	92.6	94.0	95.4	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
IV 600	83.0	92.2	93.6	95.1	96.5	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2
IV 500	83.2	92.5	94.2	95.9	97.4	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 400	83.3	92.6	94.3	96.0	97.5	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
IV 300	83.3	92.6	94.3	96.1	97.7	97.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 200	83.3	92.6	94.3	96.1	97.7	97.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 100	83.3	92.6	94.3	96.1	97.7	97.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 0	83.3	92.6	94.3	96.1	97.7	97.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1811

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 04943 STATION NAME FT WALTERS AAF TX / MINERAL WELLS 49-65-67-70 YEARS \_\_\_\_\_ DAY \_\_\_\_\_ MONTH \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1100  
 HOURS (L.P.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	50.0	50.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	50.0	50.0	50.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 18000	59.5	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
16000	59.5	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 14000	59.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
12000	59.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 10000	65.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
9000	65.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 8000	67.8	68.8	69.0	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
7000	67.8	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 6001	69.2	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
5000	69.2	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 4500	70.6	72.3	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
4000	70.6	72.3	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	72.0	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
3000	72.0	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500	75.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
2000	75.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 1800	82.5	84.7	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
1500	82.5	84.7	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	90.9	91.9	92.3	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2
1000	90.9	91.9	92.3	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2
IV 900	90.7	94.2	94.7	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
800	90.7	94.2	94.7	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	92.4	96.4	96.9	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
600	92.4	96.4	96.9	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	92.8	96.9	97.5	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
400	92.8	96.9	97.5	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	92.9	97.0	97.8	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
200	92.9	97.0	97.8	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	92.9	97.0	97.8	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
0	92.9	97.0	97.8	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 1036



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 13943 FT WALTERS AAF TEX/MINERAL WELLS STATION NAME: 49-65,67-70 YEAR: \_\_\_\_\_ MONTH: MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.7	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	62.8	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
18000	63.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
16000	63.1	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
14000	64.1	64.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
12000	66.0	66.9	67.5	67.5	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
10000	69.2	69.2	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
9000	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
8000	70.1	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
7000	71.1	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
6000	72.5	73.6	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
5000	74.3	75.4	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
4500	76.1	76.2	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
4000	77.1	78.0	78.9	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
3500	79.2	80.6	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
3000	81.1	84.8	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2500	87.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2000	89.7	91.6	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
1800	90.3	92.2	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
1500	92.6	94.6	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1200	93.6	95.6	96.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1000	93.9	96.4	96.7	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
900	94.2	96.7	97.1	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	94.6	97.2	97.6	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
700	95.0	97.7	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	95.1	97.9	98.4	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
500	95.7	97.9	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	95.7	97.9	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	95.7	97.9	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	95.7	97.9	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	95.7	97.9	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	95.7	97.9	98.5	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 1819

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION FT WALTERS AFB TEX/MINERAL WELLS YEARS 69-70 MONTH MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

C (ING FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.1	57.9	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000 16000	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 14000 12000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 10000 9000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000 7000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000 5000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500 4000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500 3000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500 2000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1800 1500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1200 1000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900 800	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 700 600	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 500 400	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 300 200	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 100 0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 1826

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AL

# CEILING VERSUS VISIBILITY

43943  
 STATION

FT WALTERS AAF TEX/MINERAL WELLS

49-63,67-70

YEARS

MAY  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000  
 HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.4	69.7	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	74.4	75.3	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 18000	74.6	74.7	76.2	76.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 16000	74.9	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 14000	75.7	76.9	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 12000	77.2	78.5	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 10000	80.3	81.8	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 9000	81.7	82.3	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 8000	82.4	83.9	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 7000	82.8	84.1	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	83.0	84.5	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 5000	83.3	87.4	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 4500	86.4	88.9	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 4000	86.4	90.1	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 3500	91.1	90.0	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3000	91.9	92.7	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2500	93.3	93.2	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	92.1	94.3	94.9	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	92.3	94.5	95.1	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	93.2	95.4	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	93.8	96.1	96.9	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	94.3	97.8	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	94.5	97.1	98.0	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	94.6	97.5	98.4	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	94.8	97.6	98.5	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	94.9	97.7	98.6	98.8	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	94.9	97.7	98.6	98.9	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	94.0	97.7	98.6	98.9	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	94.9	97.7	98.6	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	94.9	97.7	98.6	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	94.9	97.7	98.6	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	94.9	97.7	98.6	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1772

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 11 WALTERS CAP TEX/INDEPENDENT WELLS YEARS 69-70 MONTH JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE 2104-2300  
MOUSE (L.V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.7	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 20000	76.5	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IVV 18000	77.2	78.7	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IVV 16000	77.2	78.9	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IVV 14000	76.1	80.2	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IVV 12000	74.8	81.5	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IVV 10000	73.7	82.5	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVV 9000	72.2	83.0	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IVV 8000	72.9	83.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IVV 7000	72.8	83.9	85.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IVV 6000	74.5	84.6	87.0	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
IVV 5000	76.4	85.7	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVV 4500	76.9	87.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IVV 4000	78.4	88.2	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IVV 3500	78.7	91.1	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IVV 3000	79.4	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVV 2500	79.8	92.7	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IVV 2000	79.8	93.0	93.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IVV 1800	81.2	94.5	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IVV 1500	81.7	95.0	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IVV 1200	82.5	96.7	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IVV 1000	83.1	97.9	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVV 900	83.4	97.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IVV 800	83.5	97.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IVV 700	83.7	97.7	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVV 600	83.7	97.7	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVV 500	83.7	97.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVV 400	83.7	97.8	99.1	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
IVV 300	83.7	97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 200	83.7	97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 100	83.7	97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IVV 0	83.7	97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1751

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 4963 FT WALTERS AFB TEX/MINERAL WELLS STATION NAME 49-69-67-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	73.2	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1
N 20000	73.6	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
NV 18000	80.6	82.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
NV 16000	80.8	82.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
NV 14000	84.4	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
NV 12000	84.5	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
NV 10000	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
NV 9000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
NV 8000	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
NV 7000	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
NV 6000	91.1	91.7	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
NV 5000	91.0	92.3	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	92.5	92.5
NV 4500	92.0	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
NV 4000	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
NV 3500	93.5	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
NV 3000	93.2	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
NV 2500	94.8	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
NV 2000	94.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
NV 1800	94.9	94.5	94.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
NV 1500	94.4	94.3	94.4	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
NV 1200	94.3	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
NV 1000	94.0	97.0	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
NV 900	94.8	98.1	98.3	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 800	94.9	98.3	98.4	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
NV 700	95.2	98.5	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
NV 600	95.2	98.5	98.9	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
NV 500	95.4	98.9	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
NV 400	95.4	99.1	99.1	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
NV 300	95.4	99.0	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
NV 200	95.4	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
NV 100	95.4	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
NV 0	95.4	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1774

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

049.2 STATION FT WALTERS AFB TEX/MINERAL WELLS 49-43-67-70 YEARS MONTH JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0500  
 HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	69.4	69.1	69.3	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 18000 ≥ 16000	72.7	72.7	72.9	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000 ≥ 12000	74.8	74.7	74.9	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000 9000	78.9	78.1	78.3	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 8000 7000	80.4	80.7	80.8	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 6000 5000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500 3000	84.3	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2500 2000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1800 1500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1200 1000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 900 800	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 700 600	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 500 400	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 300 200	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 100 0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9

TOTAL NUMBER OF OBSERVATIONS 1783



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 03063 ET WILTERS AND TEX/MINERAL WELLS STATION NAME 49-65,67-70 YEARS MONTH 11/11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	61.5	64.2	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9
≥ 20000	67.5	70.9	71.3	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
IVM 18000	67.0	71.0	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
IVM 16000	67.9	71.3	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2
IVM 14000	69.4	72.8	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7
IVM 12000	72.0	75.9	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.9
IVM 10000	74.9	78.8	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.8
IVM 9000	75.6	79.6	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.5
IVM 8000	77.2	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.2
IVM 7000	77.9	82.0	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.1
IVM 6000	79.5	82.6	83.0	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6
IVM 5000	78.9	81.0	81.5	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.1
IVM 4500	79.0	83.1	83.5	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1
IVM 4000	79.8	83.9	84.3	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
IVM 3500	80.4	84.5	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.6
IVM 3000	81.4	83.7	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.7	84.7	84.7
IVM 2500	82.9	86.9	87.3	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	88.0
IVM 2000	83.0	87.4	87.7	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.5
IVM 1800	83.8	88.2	88.6	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4
IVM 1500	87.8	91.9	92.2	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3
IVM 1200	93.9	93.5	94.1	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.0	95.0	95.0
IVM 1000	93.9	94.5	95.2	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2
IVM 900	96.0	96.7	96.4	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4
IVM 800	91.1	96.2	97.0	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2
IVM 700	91.1	96.4	97.2	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.6
IVM 600	91.4	96.6	97.5	98.4	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.0
IVM 500	91.6	96.9	97.7	98.8	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IVM 400	91.6	96.9	97.8	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7
IVM 300	91.6	97.0	97.9	99.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8
IVM 200	91.6	97.0	97.9	99.0	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
IVM 100	91.6	97.0	97.9	99.0	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
IVM 0	91.6	97.0	97.9	99.0	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1783

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03943 STATION PT WALTERS AAF TEX/MINEHALL WELLS 49-45-67-70 YEARS JUN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	72.2	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 18000	72.2	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 16000	72.2	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 14000	73.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 12000	73.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 10000	77.3	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 9000	78.1	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 8000	79.0	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 7000	79.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 6000	80.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000	80.5	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4500	80.7	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	81.2	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	82.4	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	84.4	85.9	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
IV 2500	86.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2000	89.0	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	90.8	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	92.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	94.3	96.4	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
IV 1000	95.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	95.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800	95.3	97.5	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
IV 700	95.4	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	95.7	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	95.8	97.8	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
IV 400	95.9	97.9	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
IV 300	95.9	97.9	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
IV 200	95.9	97.9	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
IV 100	95.9	97.9	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
IV 0	95.9	97.9	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

TOTAL NUMBER OF OBSERVATIONS 1714



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/WAC

# CEILING VERSUS VISIBILITY

STATION 33344 STATION NAME FT WALTERS AFB TEX/MINERAL WELLS YEARS 49-65,67-70 MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 20000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 18000	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
16000	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 14000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
12000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 10000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
9000	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 6000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
5000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3500	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
3000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
2000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	99.4	99.4	99.4	99.4	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	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1743

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

01943 STATION FT WILBERS AAF TEX/MINERAL WELLS 49-65,67-70 YEARS JUN 1500-1700 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOUR (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	72.5	71.1	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 18000 16000	81.3	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 14000 12000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 10000 9000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 8000 7000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 6000 5000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 4500 4000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500 3000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500 2000	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
IV 1800 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1777

4

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

STATION 03943 FT WALTERS AFB TEX/MINERAL WELLS YEARS 69-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
 HOUR (C.R.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.5	74.6	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 20000	85.4	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IVN 18000	85.8	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IVN 16000	86.1	87.0	87.0	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
IVN 14000	86.8	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IVN 12000	87.5	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IVN 10000	89.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IVN 9000	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVN 8000	91.2	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IVN 7000	91.5	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVN 6000	93.0	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IVN 5000	93.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVN 4500	94.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IVN 4000	95.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IVN 3500	95.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVN 3000	96.0	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVN 2500	96.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVN 2000	96.7	97.8	97.8	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
IVN 1800	96.8	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVN 1500	97.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IVN 1200	97.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVN 1000	97.5	98.7	98.7	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
IVN 900	97.5	98.7	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	99.1
IVN 800	97.7	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVN 700	97.9	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVN 600	98.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVN 500	98.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVN 400	98.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVN 300	98.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVN 200	98.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVN 100	98.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVN 0	98.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1745

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 03943 FT WALTERS AFB TEX/MINERAL WELLS YEARS 49-65,67-70 MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	77.1	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
18000 16000	85.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
14000 12000	86.8	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
10000 9000	89.7	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
8000 7000	91.7	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
6000 5000	92.9	94.7	94.7	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
4500 4000	93.9	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
3500 3000	95.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2500 2000	95.8	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1800 1500	95.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1200 1000	96.4	98.7	98.7	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
900 800	96.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700 600	96.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500 400	97.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300 200	97.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100 0	97.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1733

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 03961 PT WALTERS AAF TX/MINGRAL WELLS 49-69,67-70 YEARS MONTH JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	84.1	85.4	83.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 20000	83.7	83.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 18000	88.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 16000	88.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 14000	90.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 12000	91.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 10000	93.2	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	94.9
≥ 9000	93.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 8000	94.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 7000	94.0	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 6000	94.7	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	95.0	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
≥ 4500	95.2	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4000	95.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	95.8	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3000	95.8	97.7	97.7	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
≥ 2500	95.9	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000	96.2	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	96.5	98.4	98.5	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
≥ 1500	96.5	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	97.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	97.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	97.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	97.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	97.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	97.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	97.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	97.4	99.6	99.7	99.8	99.8	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 1834



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

03903  
STATION

FT WILKINS AFB TEX/SIBERAL WELLS

49-65-67-70

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0600  
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	77.3	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	79.4	79.4
IV 18000 ≥ 16000	81.2	81.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7
IV 14000 12000	83.2	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 10000 9000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 8000 7000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 6000 5000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4500 4000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 3500 3000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2500 2000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1800 1500	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200 1000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900 800	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 700 600	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500 400	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 300 200	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100 0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 187

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

03943 STATION FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70 YEARS 111 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0400-0800  
 HOUR (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	68.7	73.1	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4
≥ 20000	74.9	77.3	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IV 18000	75.0	77.1	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.9	77.9
16000	75.2	77.3	77.5	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.1	78.1
IV 14000	77.0	79.1	79.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8
12000	81.2	83.7	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5
IV 10000	86.7	87.3	87.4	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0
9000	88.1	88.8	88.9	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5
IV 8000	87.8	90.3	90.5	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1
7000	88.3	91.1	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.6	91.6	91.6
IV 6000	89.1	91.6	91.6	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
5000	89.7	92.5	92.6	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
IV 4500	89.9	92.6	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4
4000	89.2	93.1	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
IV 3500	90.4	93.3	93.5	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
3000	89.8	93.7	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
IV 2500	91.0	94.0	94.3	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
2000	91.7	94.8	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8
IV 1800	92.0	94.2	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
1500	92.2	94.4	96.2	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
IV 1200	93.0	96.2	96.5	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.7	97.7
1000	93.2	96.9	97.5	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4
IV 900	93.4	97.2	97.9	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
800	93.4	97.2	97.9	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
IV 700	93.4	97.3	98.0	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
600	93.5	97.4	98.2	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	93.7	97.7	98.5	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	93.7	97.7	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	93.8	97.8	98.6	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	93.8	97.8	98.6	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	93.8	97.8	98.6	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	93.8	97.8	98.6	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1816

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 33965 FT WILBERS AFB TEX/BIRMINGHAM WELLS STATION NAME 49-65,67-70 YEARS MONTH JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1100  
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 18000	79.1	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 16000	79.1	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 14000	80.8	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 12000	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 10000	86.3	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 9000	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 8000	87.7	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 7000	88.5	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 6000	89.5	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 5000	90.4	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 4500	90.6	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4000	91.2	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3500	91.6	92.4	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	92.5
IV 3000	92.8	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500	93.9	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	95.1	96.2	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	95.4	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	96.7	97.2	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	97.5
IV 1200	97.0	98.0	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	97.1	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	98.6
IV 900	97.3	98.5	98.7	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
IV 800	97.4	98.7	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	99.3
IV 700	97.5	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	97.5	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	97.5	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	97.5	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	97.5	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	97.5	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	97.5	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	97.5	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1836



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

STATION 1963 FT WALTERS AAF TEX/MINERAL WELLS YEARS 49-50, 51, 52 MONTH JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 18000 16000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 14000 12000	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 10000 9000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 8000 7000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 6000 5000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 4500 4000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500 3000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2500 2000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800 1500	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
IV 1200 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1836

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ALC

# CEILING VERSUS VISIBILITY

STATION FT WALTERS AFB TEX/GENERAL WELLS YEAR 69-69, 67-70 MONTH 111

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
MONTH (C.F.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 20000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
18000	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
16000	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
14000	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
12000	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
10000	88.8	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	89.1
9000	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
8000	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
7000	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
6000	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
5000	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
4500	95.8	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
4000	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
3500	97.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
3000	97.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2500	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2000	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1827

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 01943 FT WALTER AAF TEX/MINERAL WELLS YEARS 49-65,67-70 MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1,000-2,000  
 HOURS (L.R.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
M 18000 M 16000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
M 14000 M 12000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
M 10000 9000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
M 8000 7000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
M 6000 5000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
M 4500 4000	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
M 3500 3000	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
M 2500 2000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
M 1800 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
M 1200 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
M 900 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
M 700 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
M 500 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
M 300 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
M 100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1747

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/OAC

# CEILING VERSUS VISIBILITY

STATION: 64963 FT WALTERS AFB TEX/MINERAL WELLS STATION NAME: 49-65-67-70 YEARS: III MONTH: IIII

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	84.8	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 20000	84.8	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
18000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
16000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
14000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
12000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
10000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
9000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
8000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
7000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
6000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
5000	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
4500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
4000	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
3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2500	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	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 1787

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION C3763 STATION NAME FT WELLES AAF TEX/MINERAL WELLS YEARS 69-70 MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	83.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 20000	88.1	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 18000	88.1	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 16000	88.2	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 14000	89.1	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 12000	89.7	92.2	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
IV 10000	92.6	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 9000	93.2	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 8000	93.7	96.5	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
IV 7000	93.8	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 6000	94.3	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 5000	94.6	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 4500	94.7	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	98.0	98.0
IV 4000	94.7	97.8	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
IV 3500	94.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 3000	95.0	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	95.0	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	95.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	95.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	95.3	98.5	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
IV 1200	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	95.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	95.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	96.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	96.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	96.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1836



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03942 STATION FT WALTERS AFB TX/MINERAL WELLS 49-65,67-70 YEARS

AUG MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9
≥ 20000	84.0	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6
IVN 18000	84.0	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6
IVN 16000	84.7	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
IVN 14000	86.0	89.3	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IVN 12000	86.9	91.4	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
IVN 10000	90.0	93.3	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8
9000	91.0	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3
IVN 8000	91.9	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3
IVN 7000	92.1	95.3	95.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IVN 6000	92.6	95.8	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3
IVN 5000	92.8	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5
IVN 4500	93.0	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
IVN 4000	93.3	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
IVN 3500	93.5	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IVN 3000	93.5	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IVN 2500	93.8	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
IVN 2000	93.8	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
IVN 1800	94.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IVN 1500	94.2	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
IVN 1200	94.6	98.1	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IVN 1000	94.8	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
IVN 900	95.1	98.6	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IVN 800	95.3	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IVN 700	95.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVN 600	95.4	99.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IVN 500	95.5	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IVN 400	95.6	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IVN 300	95.6	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IVN 200	95.6	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IVN 100	95.6	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IVN 0	95.6	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1842

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

05043  
STATION

ET WILTERS AFB TEX/MINERAL WELLS

49-68,67-70

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	73.0	75.9	76.7	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7
≥ 20000	17.5	26.2	23.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.1	31.1
IV 18000	77.5	80.2	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1
16000	77.0	80.3	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 14000	78.7	81.4	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
12000	81.1	84.0	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
IV 10000	85.4	88.4	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
9000	86.1	89.1	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1
IV 8000	87.7	91.0	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
7000	88.2	91.7	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 6000	88.4	92.6	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6
5000	89.2	92.9	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
IV 4500	89.3	93.0	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2
4000	89.8	93.5	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7
IV 3500	90.0	93.7	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
3000	90.2	94.0	94.5	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	90.2	94.1	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
2000	90.9	94.8	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
IV 1800	91.0	94.9	95.3	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1500	91.5	95.6	96.1	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	92.0	96.1	96.7	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
1000	92.3	96.4	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
IV 900	92.4	96.5	97.1	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
800	92.7	97.1	97.6	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
IV 700	92.8	97.3	97.9	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
600	93.1	97.7	98.3	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	93.1	97.7	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
400	93.1	97.7	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	93.1	97.7	98.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
200	93.1	97.7	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	93.1	97.7	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
0	93.1	97.7	98.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1841

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/RAC

# CEILING VERSUS VISIBILITY

03963 STATION FT WILBERS AFB TEX/MINERAL WELLS 49-65-67-70 YEARS AUG MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	76.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
MV 18000 16000	79.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
MV 14000 12000	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
MV 10000 9000	83.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
MV 8000 7000	87.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
MV 6000 5000	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
MV 4500 4000	90.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
MV 3500 3000	91.6	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
MV 2500 2000	93.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
MV 1800 1500	95.6	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
MV 1200 1000	96.4	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
MV 900 800	96.7	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
MV 700 600	97.0	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
MV 500 400	97.0	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
MV 300 200	97.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MV 100 0	97.1	99.7	99.8	99.8	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 1841



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION FT WOLTERS AFB TEX/MINERAL WELLS YEARS 49-65, 67-70 MONTH 1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000	77.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 18000	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 16000	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 14000	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 12000	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 10000	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 9000	84.0	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 8000	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000	91.5	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 4500	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 4000	95.0	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3000	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	97.6	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	98.7	99.0	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
≥ 1800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1841

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/RAC

# CEILING VERSUS VISIBILITY

03944  
 STATION

FT WALTERS AAF TEX/MINERAL WELLS  
 STATION NAME

49-63-67-70  
 YEARS

AUG  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1700  
 HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IVN 18000 16000	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IVN 14000 12000	83.1	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IVN 10000 9000	88.4	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IVN 8000 7000	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IVN 6000 5000	94.3	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVN 4500 4000	96.4	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IVN 3500 3000	98.0	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVN 2500 2000	98.7	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVN 1800 1500	98.9	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVN 1200 1000	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVN 900 800	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVN 700 600	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVN 500 400	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVN 300 200	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVN 100 0	98.9	99.5	99.6	99.8	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 1842

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

08943  
STATION

FT WILKINS AFB TX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.C.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	77.1	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 18000 IV 16000	85.0	85.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 14000 IV 12000	86.5	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 10000 IV 9000	92.1	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 8000 IV 7000	93.4	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 6000 IV 5000	95.7	96.7	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 4500 IV 4000	97.1	98.2	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3500 IV 3000	97.9	98.8	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
IV 2500 IV 2000	97.8	99.0	99.1	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
IV 1800 IV 1500	98.0	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200 IV 1000	98.1	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900 IV 800	98.2	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 IV 600	98.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 IV 400	98.2	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 IV 200	98.2	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 IV 0	98.2	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1781

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03963  
 STATION

FL WHEELERS AFB TEX/MINERAL WELLS

49-65-67-70

YEARS

AUG  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (L.E.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	84.3	86.3	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	86.5
≥ 20000	89.2	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
N 18000	89.3	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
N 16000	89.3	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
N 14000	90.1	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
N 12000	91.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
N 10000	92.6	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
N 9000	92.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
N 8000	93.3	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
N 7000	93.8	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
N 6000	94.1	96.6	96.7	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
N 5000	94.6	97.1	97.2	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
N 4500	94.7	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
N 4000	95.1	97.9	98.0	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
N 3500	95.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
N 3000	95.8	98.7	98.9	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
N 2500	95.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
N 2000	96.0	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 1800	96.0	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 1500	96.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
N 1200	96.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
N 1000	96.3	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	99.8	99.8
N 900	96.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
N 800	96.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
N 700	96.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
N 600	96.5	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	100.0	100.0
N 500	96.5	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	100.0	100.0
N 400	96.5	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	100.0	100.0
N 300	96.5	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	100.0	100.0
N 200	96.5	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	100.0	100.0
N 100	96.5	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	100.0	100.0
N 0	96.5	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1777

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

STATION 03962 FT WILKINS AFB TEX/MINERAL WELLS YEARS 49-55, 67-70 MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	76.0	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 20000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
M 18000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
M 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
M 14000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
M 12000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
M 10000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
M 9000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
M 8000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
M 7000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
M 6000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
M 5000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
M 4500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
M 4000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
M 3500	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
M 3000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
M 2500	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
M 2000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
M 1800	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
M 1500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
M 1200	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
M 1000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
M 900	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
M 800	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
M 700	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
M 600	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
M 500	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
M 400	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
M 300	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
M 200	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
M 100	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
M 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 1766



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 03003 FT WALTERS AAF TEX/MINERAL WELLS STATION NAME 49-65-67-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300 0500  
MONTH (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.2	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5
≥ 20000	72.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5
18000	72.9	75.0	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6
16000	73.0	75.1	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
14000	74.3	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
12000	74.9	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8
10000	76.0	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.0
9000	78.8	81.5	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2
8000	79.5	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9
7000	80.1	83.0	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
6000	80.8	84.2	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3
5000	81.4	85.3	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.4
4500	81.7	85.5	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7
4000	82.2	85.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.3
3500	82.2	86.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
3000	82.7	86.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9
2500	83.8	87.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3
2000	85.1	89.3	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3
1800	86.0	91.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
1500	86.9	92.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8
1200	88.1	94.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
1000	88.7	95.1	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
900	88.9	95.5	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
800	89.1	95.8	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
700	89.4	96.3	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
600	89.6	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
500	89.6	97.3	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
400	89.7	97.6	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	99.6
300	89.7	97.6	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
200	89.7	97.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
100	89.7	97.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
0	89.7	97.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1773

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

040.3 STATION FT WALTERS AFB TEX/MINERAL WELLS 49-65,67-70 YEAR SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING ≥ 20000	66.2	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
18000 16000	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5
14000 12000	69.4	70.4	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
10000 9000	70.4	70.4	71.1	71.1	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
8000 7000	71.4	71.4	71.7	71.7	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
6000 5000	72.4	72.4	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
4500 4000	73.4	73.4	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
3500 3000	74.4	74.4	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
2500 2000	75.4	75.4	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1800 1500	77.4	77.4	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1200 1000	79.4	79.4	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
900 800	81.4	81.4	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
700 600	83.4	83.4	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
500 400	85.4	85.4	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
300 200	87.4	87.4	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100 0	89.4	89.4	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1

TOTAL NUMBER OF OBSERVATIONS 1774

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 43043 FT WILKINS AAF TEX/INDEPENDENT WELLS STATION NAME: 49-63,67-70 YEARS: 1960-1960 MONTH: 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0200-1100  
HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	62.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	67.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
18000	67.3	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
16000	67.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
14000	69.0	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
12000	71.5	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
10000	74.8	75.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
9000	75.2	75.7	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
8000	76.4	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
7000	76.7	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
6000	77.4	78.5	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
5000	78.3	80.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
4500	79.7	80.9	81.0	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
4000	79.2	81.4	81.5	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
3500	79.0	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
3000	79.7	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2500	81.9	82.2	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
2000	84.2	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1800	85.9	88.6	88.7	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1500	88.0	90.8	91.0	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1200	89.9	93.1	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1000	91.2	94.6	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
900	91.5	95.0	95.5	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
800	92.0	95.8	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
700	92.4	96.1	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600	92.9	97.1	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
500	93.0	97.5	98.3	98.7	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	93.0	97.6	98.3	98.7	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	93.1	97.7	98.5	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	93.1	97.7	98.3	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	93.1	97.7	98.3	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	93.1	97.7	98.3	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 1776



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

STATION 03943 FL WALTERS AFB TEX/MINERAL WELLS 49-49,67-70 YEARS SEP  
STATION NAME MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000	70.1	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 18000	70.4	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	72.1	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 14000	74.8	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 12000	76.8	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 10000	77.1	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	77.8	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	78.8	78.8
≥ 8000	78.8	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	79.8	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4500	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	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
≥ 800	99.4	99.4	99.4	99.4	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	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1773

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

04963 STATION FT WALTERS AAF TEX/MINEWAL WELLS 69-65-67-70 YEARS SEP MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 20000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 18000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 16000	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
≥ 14000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 12000	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	80.9	80.9
≥ 10000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 9000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 6000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	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
≥ 1200	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
≥ 1000	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
≥ 900	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	99.4	99.4	99.4	99.4	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	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1712

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 019.1 STATION NAME FT WILBERS AAF TEX/MINERAL WELLS YEARS 49-65 to 70 MONTH SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000  
 HOURS (L.T.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	73.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 18000 16000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 14000 12000	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
IV 10000 9000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 8000 7000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 6000 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500 4000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3500 3000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2500 2000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800 1500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200 1000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900 800	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 700 600	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500 400	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 300 200	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 100 0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 1729

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03943 STATION FT WALTERS AAF TEX/MIERAL WELLS 49-64,67-70 YEARS SEP MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	76.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IVN 18000 16000	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IVN 14000 12000	81.9	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IVN 10000 9000	83.5	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IVN 8000 7000	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IVN 6000 5000	88.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IVN 4500 4000	89.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IVN 3500 3000	90.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVN 2500 2000	91.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IVN 1800 1500	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IVN 1200 1000	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IVN 900 800	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IVN 700 600	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IVN 500 400	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IVN 300 200	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IVN 100 0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS 1727





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03963  
STATION

FT WALTERS AFB TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

1CT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7401-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	70.4	70.5	70.9	71.0	71.1	71.2	71.3	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.7	72.0
≥ 20000	70.5	72.7	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.6	73.7	73.7	73.7	73.7	73.9	74.2
IVN 18000	70.5	72.7	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.6	73.7	73.7	73.7	73.7	73.9	74.2
IVN 16000	70.5	72.7	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.6	73.7	73.7	73.7	73.7	73.9	74.2
IVN 14000	71.5	73.0	73.9	74.1	74.2	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.8	75.2
IVN 12000	72.7	74.8	75.2	75.4	75.5	75.6	75.7	75.7	75.7	75.8	75.9	75.9	75.9	75.9	76.1	76.4
IVN 10000	74.3	76.0	76.9	77.0	77.2	77.3	77.4	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.8	78.1
IVN 9000	74.9	77.2	77.5	77.9	77.8	77.9	78.0	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.4	79.7
IVN 8000	76.1	78.4	78.7	78.9	79.0	79.1	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.9
IVN 7000	76.6	79.1	79.5	79.6	79.7	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.4	80.7
IVN 6000	77.4	80.1	80.5	80.6	80.7	80.8	81.0	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.4	81.7
IVN 5000	78.4	81.3	81.0	81.8	81.9	82.0	82.1	82.1	82.1	82.2	82.3	82.3	82.4	82.4	82.5	82.8
IVN 4500	78.8	81.4	82.2	82.4	82.5	82.6	82.7	82.7	82.7	82.8	82.9	82.9	82.9	82.9	83.1	83.4
IVN 4000	79.0	82.9	83.2	83.4	83.5	83.6	83.8	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.1	84.5
IVN 3500	80.3	83.0	83.9	84.1	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.8	85.1
IVN 3000	81.7	85.1	85.5	85.6	85.7	85.9	86.0	86.0	86.0	86.1	86.2	86.2	86.2	86.4	86.4	86.7
IVN 2500	82.3	86.0	86.4	86.6	86.7	86.9	87.0	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.4	87.7
IVN 2000	84.2	88.1	88.6	88.9	89.0	89.2	89.3	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.7	90.0
IVN 1800	84.7	88.8	89.2	89.5	89.7	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.7
IVN 1500	86.5	90.9	91.3	91.7	91.9	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.5	92.9
IVN 1200	87.7	92.5	93.3	93.9	94.1	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.7	95.1
IVN 1000	88.0	93.2	94.1	94.7	94.9	95.1	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.6	95.9
IVN 900	88.4	93.8	94.7	95.4	95.5	95.7	95.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.3	96.6
IVN 800	88.7	94.1	95.1	95.8	96.0	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.7	97.1
IVN 700	89.2	94.6	95.6	96.4	96.6	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.3	97.6
IVN 600	89.4	95.1	96.0	96.8	97.0	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.7	98.1
IVN 500	89.4	95.1	96.1	97.0	97.3	97.5	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.6
IVN 400	89.5	95.2	96.3	97.3	97.8	98.0	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.8	99.1
IVN 300	89.7	95.4	96.6	97.6	98.1	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	99.1	99.4
IVN 200	89.7	95.4	96.8	97.7	98.2	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.4	99.7
IVN 100	89.7	95.4	96.6	97.7	98.2	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.5	99.8
IVN 0	89.7	95.4	96.6	97.7	98.2	98.5	98.9	99.0	99.0	99.1	99.2	99.2	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1306

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION 03963 FT WALTERS AFB TEX/MINERAL WELLS YEARS 49-70 MONTH OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0800  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	70.4	64.0	64.3	64.3	64.7	64.7	64.9	65.0	65.0	65.2	65.2	65.2	65.5	65.5	65.6	65.9
18000	63.4	67.6	68.0	68.3	68.5	68.5	68.7	68.7	68.7	68.9	68.9	68.9	69.2	69.2	69.5	69.7
16000	63.5	67.7	68.1	68.3	68.3	68.5	68.7	68.8	68.8	69.0	69.0	69.0	69.3	69.3	69.5	69.7
14000	64.7	68.9	69.3	69.5	69.7	69.7	69.9	70.0	70.0	70.2	70.2	70.2	70.5	70.5	70.7	70.9
12000	65.9	70.2	70.6	70.9	71.1	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.9	71.9	72.1	72.3
10000	67.7	72.2	72.6	73.0	73.2	73.2	73.4	73.4	73.4	73.6	73.6	73.6	73.9	73.9	74.2	74.4
9000	68.5	73.0	73.4	73.7	73.9	73.9	74.1	74.2	74.2	74.4	74.4	74.4	74.7	74.7	74.9	75.1
8000	69.9	74.4	74.8	75.1	75.3	75.3	75.6	75.6	75.6	75.8	75.8	75.8	76.1	76.1	76.3	76.6
7000	70.5	75.3	75.7	76.0	76.2	76.2	76.4	76.5	76.5	76.7	76.7	76.7	77.0	77.0	77.2	77.4
6000	71.5	77.0	77.4	77.7	77.9	77.9	78.1	78.2	78.2	78.4	78.4	78.4	78.7	78.7	78.9	79.1
5000	72.7	77.9	78.3	78.6	78.8	78.8	79.0	79.1	79.1	79.3	79.3	79.3	79.6	79.6	79.8	80.0
4500	73.0	78.1	78.5	78.9	79.1	79.1	79.3	79.3	79.3	79.5	79.5	79.5	79.8	79.8	80.1	80.3
4000	74.0	79.3	79.7	80.1	80.3	80.3	80.5	80.5	80.5	80.7	80.7	80.7	81.0	81.0	81.3	81.5
3500	74.8	80.2	80.6	80.9	81.1	81.1	81.3	81.4	81.4	81.6	81.6	81.6	81.9	81.9	82.1	82.3
3000	75.9	81.5	81.9	82.2	82.3	82.3	82.5	82.7	82.8	83.0	83.0	83.0	83.3	83.3	83.5	83.7
2500	77.2	82.9	83.3	83.7	83.9	83.9	84.1	84.2	84.2	84.4	84.4	84.4	84.8	84.8	85.0	85.2
2000	78.8	84.7	85.1	85.6	85.8	85.8	86.1	86.2	86.2	86.4	86.4	86.4	86.7	86.7	86.9	87.1
1800	79.5	85.4	85.8	86.3	86.5	86.5	86.7	86.8	86.8	87.0	87.0	87.0	87.4	87.4	87.6	87.8
1500	80.7	87.0	87.4	88.3	88.5	88.5	88.8	88.9	88.9	89.1	89.1	89.1	89.4	89.4	89.6	89.8
1200	82.4	89.3	89.7	90.5	90.9	90.9	91.2	91.3	91.3	91.5	91.5	91.5	91.8	91.8	92.0	92.2
1000	83.4	90.8	91.3	92.0	92.4	92.4	92.7	92.9	92.9	93.1	93.1	93.1	93.4	93.4	93.7	93.9
900	83.8	91.3	91.8	92.5	92.9	92.9	93.4	93.6	93.6	93.8	94.0	94.0	94.3	94.3	94.6	94.8
800	84.3	92.0	92.5	93.2	93.7	93.7	94.3	94.6	94.6	94.8	95.0	95.0	95.3	95.3	95.6	95.8
700	84.6	92.5	93.0	93.7	94.2	94.2	94.8	95.1	95.1	95.3	95.5	95.5	95.8	95.8	96.1	96.3
600	85.0	93.0	93.5	94.2	94.7	94.7	95.4	95.7	95.7	96.0	96.2	96.2	96.5	96.5	96.8	97.0
500	85.1	93.2	93.7	94.4	94.9	94.9	95.6	95.9	95.9	96.3	96.5	96.5	96.8	96.8	97.1	97.3
400	85.2	93.3	93.8	94.5	95.0	95.0	95.7	96.0	96.0	96.4	96.6	96.6	96.9	96.9	97.2	97.4
300	85.4	93.5	94.0	94.7	95.2	95.2	95.9	96.2	96.2	96.6	96.8	96.8	97.1	97.1	97.4	97.6
200	85.5	93.6	94.1	94.8	95.3	95.3	96.0	96.3	96.3	96.7	96.9	96.9	97.2	97.2	97.5	97.7
100	85.6	93.7	94.2	94.9	95.4	95.4	96.1	96.4	96.4	96.8	97.0	97.0	97.3	97.3	97.6	97.8
0	85.7	93.8	94.3	95.0	95.5	95.5	96.2	96.5	96.5	96.9	97.1	97.1	97.4	97.4	97.7	97.9

TOTAL NUMBER OF OBSERVATIONS 1015

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

03943  
STATION

FT WALTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-70  
YEARS

UCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	62.8	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8
18000 16000	66.8	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9
14000 12000	66.9	67.4	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
10000 9000	67.6	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.7
8000 7000	69.1	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
6000 5000	71.6	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9
4500 4000	72.4	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7
3500 3000	73.9	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3
2500 2000	74.3	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
1800 1500	75.7	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	77.5	77.5
1200 1000	76.9	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7
900 800	77.5	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4
700 600	78.1	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9
500 400	79.4	80.9	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
300 200	81.1	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
100 0	84.0	85.7	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0
	84.1	85.8	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5
	86.1	88.1	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
	88.5	90.5	91.0	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6
	89.6	92.2	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	90.6	93.4	94.0	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
	90.8	93.7	94.4	95.1	95.2	95.4	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
	91.4	94.2	94.9	95.7	95.9	96.0	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5
	91.6	94.8	95.8	96.5	96.8	96.9	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4
	92.1	95.5	96.7	97.5	98.0	98.1	98.3	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.8	98.8
	92.1	95.0	96.8	97.7	98.2	98.3	98.3	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
	92.1	95.8	97.0	97.9	98.5	98.7	99.0	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.8	99.8
	92.1	95.8	97.0	97.9	98.6	98.7	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	100.0
	92.1	95.8	97.0	97.9	98.6	98.7	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1914



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/OAC

# CEILING VERSUS VISIBILITY

STATION FT WILBERS AFB TEX/GENERAL WELLS 40-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOUR (LDT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.1	66.3	66.3	66.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 14000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 14000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 12000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 8000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 6000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 5000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 4500	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 3000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	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	89.1	89.1
IV 2000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1800	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1513

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/DAL

# CEILING VERSUS VISIBILITY

STATION 4945 FT WILKES AFB TEX/MINERAL WILLS STATION NAME 49-70 YEARS MONTH CT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
18000 16000	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
14000 12000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
10000 9000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
8000 7000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
6000 5000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
4500 4000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
3500 3000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2500 2000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1800 1500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
1200 1000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
900 800	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700 600	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
500 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
100 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1911

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION FT WILSON AFB TEX/MINERAL WELLS YEAR 49-70 MONTH 1CT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING V 20000	74.1	70.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 18000 V 16000	79.5	69.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 14000 V 12000	81.4	81.4	81.4	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
IV 10000 V 9000	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 8000 V 7000	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 6000 V 5000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4500 V 4000	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 3500 V 3000	92.5	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500 V 2000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800 V 1500	95.2	95.2	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200 V 1000	96.7	96.7	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900 V 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700 V 600	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500 V 400	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300 V 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100 V 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1043

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

01993 STATION FT WALTERS AAF TEX/MINEHALL WELLS 49-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	74.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
18000 16000	79.7	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
14000 12000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
10000 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
8000 7000	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
6000 5000	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
4500 4000	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
3500 3000	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
2500 2000	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1800 1500	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
1200 1000	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
900 800	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
700 600	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
500 400	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
300 200	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
100 0	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 1821

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION WALTERS AFB TEX/MINERAL WELLS 49-69 YEARS MONTH NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0001-0200  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.7	69.5	69.2	69.5	69.5	70.0	70.0	70.3	70.0	70.3	70.3	70.3	70.4	70.4	70.5	70.7
≥ 20000	71.9	72.9	73.0	73.4	73.7	73.8	73.8	73.8	73.8	74.1	74.2	74.2	74.3	74.3	74.3	74.6
IV 18000	71.4	72.8	73.0	73.4	73.7	73.8	73.8	73.8	73.8	74.1	74.2	74.2	74.3	74.3	74.3	74.6
IV 16000	71.9	72.8	73.0	73.4	73.7	73.8	73.8	73.8	73.8	74.1	74.2	74.2	74.3	74.3	74.3	74.6
IV 14000	71.9	73.3	73.5	73.9	74.2	74.3	74.3	74.3	74.3	74.6	74.7	74.7	74.8	74.8	74.9	75.1
IV 12000	73.6	75.3	75.5	75.9	76.2	76.3	76.3	76.3	76.3	76.7	76.7	76.7	76.8	76.8	76.9	77.1
IV 10000	75.6	77.7	77.8	77.9	77.7	77.7	77.8	77.8	77.8	77.8	78.2	78.3	78.3	78.4	78.4	78.7
IV 9000	75.7	77.3	77.6	77.8	78.1	78.1	78.2	78.2	78.2	78.3	78.6	78.7	78.7	78.7	78.9	79.1
IV 8000	76.3	78.1	78.1	78.6	78.9	79.0	79.0	79.0	79.0	79.2	79.4	79.4	79.5	79.5	79.6	79.8
IV 7000	76.8	79.3	79.4	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.9
IV 6000	77.4	79.1	79.3	79.7	80.0	80.1	80.1	80.1	80.1	80.5	80.5	80.5	80.6	80.6	80.7	80.9
IV 5000	79.0	80.9	81.0	81.5	81.8	81.9	81.9	81.9	81.9	82.2	82.3	82.3	82.4	82.4	82.5	82.7
IV 4500	79.6	81.7	81.9	82.1	82.0	82.7	82.7	82.7	82.7	83.1	83.1	83.1	83.2	83.2	83.3	83.5
IV 4000	80.5	82.6	82.8	83.2	83.5	83.6	83.6	83.6	83.6	84.0	84.1	84.1	84.2	84.2	84.2	84.5
IV 3500	81.1	83.2	83.4	83.8	84.1	84.2	84.2	84.2	84.2	84.6	84.7	84.7	84.8	84.8	84.8	85.1
IV 3000	81.8	84.1	84.3	84.7	85.0	85.1	85.1	85.1	85.1	85.5	85.5	85.5	85.7	85.7	85.7	86.0
IV 2500	82.6	85.0	85.2	85.6	85.9	86.0	86.0	86.0	86.0	86.4	86.4	86.4	86.6	86.6	86.6	86.8
IV 2000	84.9	87.1	87.3	87.9	88.2	88.3	88.3	88.3	88.3	88.7	88.7	88.7	88.9	88.9	88.9	89.1
IV 1800	85.0	87.7	88.1	88.6	88.9	89.0	89.0	89.0	89.0	89.3	89.4	89.4	89.5	89.5	89.6	89.8
IV 1500	85.8	88.6	89.0	89.6	89.9	90.0	90.0	90.0	90.0	90.4	90.5	90.5	90.6	90.6	90.6	90.9
IV 1200	86.0	89.4	90.3	90.9	91.2	91.4	91.5	91.5	91.5	91.8	91.9	91.9	92.0	92.0	92.1	92.3
IV 1000	87.1	91.1	91.5	92.1	92.3	92.6	92.7	92.7	92.7	93.1	93.1	93.1	93.2	93.2	93.3	93.4
IV 900	87.5	91.6	92.1	92.7	93.1	93.2	93.4	93.4	93.4	93.7	93.8	93.8	93.9	93.9	94.0	94.2
IV 800	87.8	92.2	92.7	93.3	93.7	93.8	94.0	94.0	94.0	94.4	94.4	94.4	94.5	94.5	94.5	94.8
IV 700	88.0	92.5	93.1	93.7	94.1	94.2	94.4	94.4	94.4	94.7	94.8	94.8	94.9	94.9	95.0	95.2
IV 600	88.2	93.0	93.7	94.5	94.9	95.0	95.2	95.2	95.2	95.6	95.6	95.6	95.7	95.7	95.7	96.0
IV 500	88.4	93.1	94.0	95.0	95.4	95.5	95.7	95.7	95.7	96.1	96.1	96.1	96.3	96.3	96.3	96.6
IV 400	88.7	93.4	94.3	95.7	96.2	96.3	96.7	96.7	96.7	97.1	97.1	97.1	97.2	97.2	97.3	97.5
IV 300	88.8	93.4	94.4	95.8	96.6	96.7	97.1	97.2	97.2	97.5	97.6	97.6	97.7	97.7	97.7	98.0
IV 200	88.8	93.4	94.4	95.9	96.7	96.9	97.5	97.6	97.6	97.9	97.9	97.9	98.0	98.0	98.1	98.4
IV 100	88.8	93.4	94.4	95.9	96.7	96.9	97.7	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.1	98.4
IV 0	88.8	93.4	94.4	95.9	96.7	96.9	97.7	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.1	98.4

TOTAL NUMBER OF OBSERVATIONS 1031

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 11 WILLYS AND TERMINAL WELLS YEARS 49-70 MONTH NY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 2000	64.8	67.1	67.9	67.7	68.0	68.1	68.4	68.4	68.4	68.7	68.7	68.7	68.8	69.0	69.1	69.5
IVM 18000 16000	68.5	71.2	71.4	71.7	72.1	72.1	72.4	72.5	72.5	72.7	72.7	72.7	72.9	72.9	73.1	73.5
IVM 14000 12000	68.8	71.5	71.7	71.9	72.3	72.4	72.7	72.7	72.7	73.0	73.0	73.0	73.1	73.1	73.4	73.8
IVM 10000 9000	71.2	73.8	74.1	74.4	74.8	74.8	75.1	75.2	75.2	75.4	75.4	75.4	75.6	75.6	75.9	76.3
IVM 8000 7000	71.9	74.7	75.0	75.3	75.4	75.8	76.1	76.2	76.2	76.4	76.4	76.4	76.6	76.6	76.9	77.3
IVM 6000 5000	71.1	73.0	73.8	74.1	74.6	74.6	75.0	75.0	75.0	75.3	75.3	75.3	75.4	75.4	75.7	76.1
IVM 4500 4000	74.0	75.8	76.4	76.6	77.1	77.2	77.5	77.5	77.5	77.7	77.7	77.7	77.9	77.9	78.1	78.5
IVM 3500 3000	77.4	81.2	81.5	81.7	82.3	82.4	82.7	82.8	82.8	83.0	83.0	83.0	83.2	83.2	83.5	83.9
IVM 2500 2000	80.0	82.2	82.6	83.1	83.3	83.3	83.6	83.7	83.7	83.9	83.9	83.9	84.1	84.1	84.4	84.8
IVM 1800 1500	82.3	85.8	86.5	86.7	86.9	86.9	87.2	87.2	87.2	87.4	87.4	87.4	87.6	87.6	87.9	88.3
IVM 1200 1000	85.2	89.1	89.8	89.3	89.7	89.8	90.4	90.7	90.7	90.9	90.9	90.9	91.1	91.1	91.4	91.8
IVM 900 800	85.0	87.7	88.6	89.2	89.7	89.7	90.2	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.9	91.3
IVM 700 600	85.2	87.7	88.6	89.2	89.7	89.7	90.2	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.9	91.3
IVM 500 400	85.2	87.7	88.6	89.2	89.7	89.7	90.2	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.9	91.3
IVM 300 200	85.2	87.7	88.6	89.2	89.7	89.7	90.2	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.9	91.3
IVM 100 0	85.2	87.7	88.6	89.2	89.7	89.7	90.2	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.9	91.3

TOTAL NUMBER OF OBSERVATIONS 1761



4

DATA PREPARED BY DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

03973 STATION FT WALTERS AFB TEX/INDEPENDENT WELLS 49-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5400-0400 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	7.2	61.1	64.8	61.2	61.5	61.9	61.0	61.7	61.7	61.3	61.0	61.7	62.1	62.1	62.7	62.6
IV 18000 IV 16000	11.1	64.7	65.0	65.4	65.6	65.7	65.6	65.9	65.9	65.9	66.0	66.0	66.3	66.4	66.4	67.0
IV 14000 IV 12000	11.2	64.7	65.0	65.5	65.7	65.7	65.9	65.9	65.9	66.1	66.1	66.1	66.5	66.5	66.7	67.1
IV 10000 IV 9000	11.8	65.7	65.7	66.2	66.2	66.5	66.0	66.6	66.6	66.6	66.8	66.8	66.8	67.2	67.2	67.8
IV 8000 IV 7000	14.7	67.1	66.8	67.1	67.0	67.6	67.7	67.8	67.8	67.8	68.0	68.0	68.3	68.3	68.7	68.9
IV 6000 IV 5000	14.9	67.1	67.1	67.2	67.4	67.8	67.8	68.1	68.1	68.3	68.3	68.3	68.5	68.5	68.9	69.4
IV 4500 IV 4000	16.0	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 3500 IV 3000	17.0	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 2500 IV 2000	17.4	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 1800 IV 1500	17.4	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 1200 IV 1000	17.5	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 900 IV 800	17.5	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 700 IV 600	17.5	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 500 IV 400	17.5	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 300 IV 200	17.5	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4
IV 100 0	17.5	71.1	71.1	71.4	71.9	72.1	72.1	72.1	72.1	72.3	72.3	72.3	72.7	72.7	73.2	73.4

TOTAL NUMBER OF OBSERVATIONS 1118

DATA PROCESSING DIVISION  
USAF ETAC  
AIR READERS SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION FT WALTER AFB (EX/NORMAL WELLS) YEARS 69-70 MONTH NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-1100  
HOURS (L.F.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.3	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	60.4	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
NV 18000	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
NV 16000	66.6	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
NV 14000	67.6	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
NV 12000	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
NV 10000	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
NV 9000	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
NV 8000	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
NV 7000	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
NV 6000	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
NV 5000	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
NV 4500	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
NV 4000	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
NV 3500	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
NV 3000	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	79.4	79.4
NV 2500	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
NV 2000	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
NV 1800	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
NV 1500	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
NV 1200	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	84.4	84.4
NV 1000	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
NV 900	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
NV 800	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
NV 700	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
NV 600	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
NV 500	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
NV 400	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
NV 300	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
NV 200	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
NV 100	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
NV 0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 1616



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

04961  
 STATION

11 WALTERS AFB TEX/MINERAL WELLS 49-70  
 STATION NAME YEARS

NOV  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	62.4	62.6	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 20000	70.6	70.6	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2
IV 18000	70.7	70.9	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 16000	70.7	70.9	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 14000	71.6	71.6	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	71.2	71.5	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 10000	71.6	71.6	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 9000	71.2	71.7	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	70.9	71.0	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	70.9	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7
IV 6000	77.4	77.7	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5
IV 5000	77.3	77.7	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4500	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0
IV 4000	79.9	79.8	79.9	79.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	82.7	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	82.7	81.9	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	84.7	84.5	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0
IV 2000	86.7	87.8	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1800	87.9	88.0	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0
IV 1500	89.0	89.3	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1200	90.4	91.7	91.9	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1000	91.5	91.1	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 900	91.9	91.1	91.1	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 800	92.2	91.2	91.0	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	92.3	91.6	91.9	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 600	92.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 500	92.7	91.9	91.4	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 400	93.0	91.5	91.4	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 300	93.1	91.4	91.9	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 200	93.1	91.5	91.9	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 100	93.0	91.4	91.9	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 0	93.0	91.4	91.9	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9

TOTAL NUMBER OF OBSERVATIONS 1819

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAO

# CEILING VERSUS VISIBILITY

STATION 03241 FLY WALTERS AFB TEX/WHITKAL WILLS 49-70 YEARS MONTH 11V

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOUR (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	75.4	75.6	75.6	75.6	75.4	75.8	75.9	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
18000 16000	75.0	74.0	74.0	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
14000 12000	75.1	75.5	75.5	75.6	75.3	74.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
10000 9000	78.7	79.7	79.2	79.4	79.1	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
8000 7000	79.6	80.2	80.2	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
6000 5000	81.4	82.0	82.0	82.4	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
4500 4000	83.0	84.5	84.5	84.7	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
3500 3000	85.4	86.6	86.7	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2500 2000	87.6	89.1	89.2	89.4	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
1800 1500	89.5	91.1	91.3	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1200 1000	91.3	93.1	93.7	94.1	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
900 800	91.9	94.1	94.8	95.5	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
700 600	92.7	95.4	96.0	96.8	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
500 400	92.4	95.9	96.6	97.6	98.4	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
300 200	92.9	95.9	96.6	97.6	98.4	98.5	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100 0	92.9	95.9	96.6	97.6	98.4	98.5	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1810

4

DATA PROCESSING DIVISION  
USAF ETAC  
AFIP WEATHER SERVICE/AFAC

# CEILING VERSUS VISIBILITY

STATION 4974 FT WALTERS AFB TEX/MINERAL WELLS STATION NAME 49-711 YEARS 1961-2000 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1961-2000  
HOURLY (LVT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	70.3	70.3	70.3	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 18000 16000	76.1	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 14000 12000	77.3	77.4	77.5	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 10000 9000	77.8	78.2	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 8000 7000	80.0	81.0	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 6000 5000	82.0	83.0	83.2	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4500 4000	84.0	84.7	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500 3000	86.0	86.7	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2500 2000	87.0	87.7	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1800 1500	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1200 1000	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 900 800	90.0	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 700 600	91.0	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 500 400	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	92.5	92.5	92.5
IV 300 200	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 100 0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 174

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/NAO

# CEILING VERSUS VISIBILITY

STATION FT WALTER AFB YEX/MINERAL WELLS 49-70 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7100-2300  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	70.5	71.6	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 20000	75.1	75.1	75.4	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 18000	75.1	75.4	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 16000	75.2	75.4	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 14000	75.7	77.0	77.0	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 12000	77.8	79.1	79.1	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 10000	79.2	80.4	80.5	80.7	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 9000	79.4	80.7	80.7	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	79.9	81.1	81.2	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 7000	80.2	81.7	81.8	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 6000	80.6	82.1	82.2	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	81.8	83.7	83.8	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500	82.5	84.4	84.5	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4000	83.9	85.2	85.3	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	84.4	86.4	86.6	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3000	85.9	87.9	88.1	88.1	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2500	86.7	88.6	88.8	89.0	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	87.7	89.6	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	88.1	90.5	90.7	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	88.6	91.0	91.2	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	89.5	92.1	92.2	92.6	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1000	89.4	92.9	93.3	93.6	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	90.8	93.4	93.7	94.1	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	90.9	93.4	93.8	94.3	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 700	91.0	93.8	94.1	94.7	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 600	91.2	94.2	94.6	95.1	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500	91.2	94.4	95.0	95.8	96.3	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	91.4	94.8	95.6	96.7	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 300	91.4	94.8	95.8	97.1	98.1	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	91.6	95.0	95.9	97.2	98.3	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	91.4	95.0	95.9	97.2	98.3	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	91.4	95.0	95.9	97.2	98.3	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1717

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION FT WALTERS AAF TEX/MINERAL WELLS YEARS 49-50 MONTH JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700  
 HOUR (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	63.3	64.5	64.9	65.0	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 20000	67.7	69.2	69.3	69.5	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	70.9	70.2	69.5	69.7	69.9	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 16000	69.0	69.3	69.6	69.8	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	70.8	70.0	70.4	70.6	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	69.3	70.0	70.9	71.1	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 10000	70.1	71.3	71.7	71.9	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 9000	70.9	72.1	72.5	72.6	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 8000	72.1	73.3	73.7	73.9	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	72.7	73.9	74.3	74.5	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000	73.6	74.7	75.0	75.2	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	74.9	75.8	76.2	76.3	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4500	74.7	76.1	76.6	76.8	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4000	75.4	77.5	77.9	78.0	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500	77.1	78.7	79.1	79.3	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	78.5	80.4	80.7	80.9	81.0	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2500	80.0	81.9	82.3	82.5	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000	82.5	84.8	85.2	85.4	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1800	82.9	85.2	85.6	85.8	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1500	84.0	86.7	87.0	87.2	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1200	85.7	88.6	89.3	89.5	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1000	86.4	89.3	90.1	90.5	90.8	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 900	86.0	89.9	91.3	91.7	91.5	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 800	87.1	90.9	91.7	92.1	92.5	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 700	87.4	91.1	92.2	92.6	93.1	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600	87.6	91.0	92.6	93.0	93.3	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 500	87.8	91.2	93.1	93.5	94.0	94.0	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 400	87.6	91.4	93.5	94.2	94.8	95.0	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 300	87.0	92.0	94.0	94.7	95.5	96.1	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	87.8	92.6	93.9	94.8	95.6	96.1	97.3	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 100	87.8	92.0	93.9	94.6	95.0	96.1	97.4	97.5	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	87.8	92.0	93.9	94.8	95.0	96.1	97.4	97.5	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 1699

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AGC

# CEILING VERSUS VISIBILITY

STATION: FT WALTERS GAP TEX/MINERAL WELLS 49-60 YEARS: \_\_\_\_\_ MONTH: \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-0500  
 HOUR (L.G.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	69.7	68.4	68.0	63.4	63.8	63.9	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	4.0	65.7	67.3	67.7	67.8	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
NV 18000	64.3	67.0	67.6	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2
NV 16000	64.4	67.1	67.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
NV 14000	65.0	67.5	68.3	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
NV 12000	65.7	67.9	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
NV 10000	66.7	69.5	70.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
NV 9000	68.1	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1
NV 8000	67.8	71.0	71.1	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
NV 7000	68.1	71.1	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2
N 6000	69.0	71.8	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
N 5000	69.0	71.7	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
NV 4500	70.3	73.3	74.0	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
NV 4000	71.3	74.4	75.2	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
NV 3500	72.4	75.3	76.1	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
NV 3000	73.7	76.9	77.7	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5
NV 2500	74.9	79.3	79.1	79.6	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
NV 2000	77.9	80.9	81.7	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
NV 1800	78.3	81.8	82.8	83.4	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9
NV 1500	79.5	83.3	84.4	85.1	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6
N 1200	81.5	85.5	86.7	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
N 1000	82.4	87.2	88.4	89.3	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8
N 900	82.8	87.5	89.0	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
NV 800	82.9	87.9	89.5	90.4	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
NV 700	83.2	88.0	90.4	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9
NV 600	83.4	88.4	91.0	92.1	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
NV 500	83.8	88.9	91.5	92.9	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0
NV 400	83.8	89.2	91.8	93.4	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
NV 300	83.9	89.5	92.0	93.8	94.8	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
NV 200	83.9	89.7	92.0	93.8	94.8	95.3	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7
NV 100	83.9	89.7	92.0	93.8	94.8	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8
NV 0	83.9	89.7	92.0	93.8	94.8	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8

TOTAL NUMBER OF OBSERVATIONS: 1748



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AFAC

# CEILING VERSUS VISIBILITY

STATION 13743 STATION NAME EL WILSON COP TEX/MINERAL WELLS YEARS 49-70 MONTH JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0800-0800  
 HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.9	50.5	47.1	57.6	57.9	57.9	58.0	58.0	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.7
IV 18000 16000	61.1	61.1	61.9	62.1	62.3	62.3	62.5	62.5	62.5	62.7	62.7	62.7	62.7	63.0	63.0	63.3
IV 14000 12000	62.7	62.7	63.1	63.7	63.9	63.9	64.2	64.2	64.2	64.4	64.4	64.4	64.5	64.7	64.7	65.0
IV 10000 9000	64.1	64.1	64.9	65.1	65.3	65.3	65.6	65.6	65.6	65.8	65.8	65.9	66.1	66.1	66.3	66.5
IV 8000 7000	66.9	66.9	67.1	67.9	68.1	68.1	68.3	68.3	68.3	68.6	68.6	68.7	68.9	68.9	69.1	69.3
IV 6000 5000	69.6	69.6	69.5	69.3	69.3	69.8	69.7	69.7	69.7	70.0	70.0	70.0	70.2	70.2	70.4	70.6
IV 4500 4000	70.7	70.7	71.3	71.0	71.3	71.3	71.5	71.5	71.5	71.8	71.8	71.9	72.1	72.1	72.3	72.5
IV 3500 3000	71.1	71.1	71.5	72.3	72.3	72.5	72.8	72.8	72.8	73.0	73.0	73.1	73.3	73.3	73.5	73.7
IV 2500 2000	73.0	73.0	73.5	73.0	73.3	73.3	73.9	73.9	73.9	73.8	73.8	73.8	74.1	74.1	74.3	74.6
IV 1800 1500	74.2	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 1200 1000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 900 800	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 700 600	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	77.9	77.9
IV 500 400	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 300 200	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 100 0	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

TOTAL NUMBER OF OBSERVATIONS 1844

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEAT BR SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION FT WALTERS AFB TEX/SHIRAZ WELLS YEARS 49-70 MONTH DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	3.0	54.5	54.7	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
18000 16000	61.3	61.1	62.1	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
14000 12000	64.5	64.1	64.2	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
10000 9000	67.4	67.4	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2
8000 7000	69.4	69.5	69.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
6000 5000	70.1	70.0	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9
4500 4000	71.5	71.5	71.7	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
3500 3000	72.7	72.8	73.2	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1
2500 2000	74.0	74.1	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.5
1800 1500	75.9	76.1	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	77.0
1200 1000	77.7	77.8	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9
900 800	79.0	79.1	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2
700 600	81.5	81.5	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5
500 400	83.0	83.1	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2
300 200	85.0	85.1	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.2
100 0	87.0	87.1	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.2

TOTAL NUMBER OF OBSERVATIONS 1201



4

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION FT WALTERS AFB TEXAS/GENERAL WELLS 49-70 YEARS \_\_\_\_\_  
 MONTH \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING ≥ 20000	66.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2
VM 18000 16000	64.3	65.0	65.0	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4
VM 14000 12000	66.1	66.7	66.8	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
VM 10000 9000	69.3	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
VM 8000 7000	70.8	71.5	71.6	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
VM 6000 5000	72.5	73.3	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
VM 4500 4000	73.7	74.5	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
VM 3500 3000	75.5	76.4	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
VM 2500 2000	79.8	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5
VM 1800 1500	83.0	84.5	84.5	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0
VM 1200 1000	87.0	89.3	89.3	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
VM 900 800	91.6	91.1	91.3	91.9	92.1	92.2	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6
VM 700 600	94.4	92.4	92.7	93.6	94.0	94.1	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
VM 500 400	90.2	91.0	94.3	95.8	96.9	97.1	98.0	98.1	98.1	98.2	98.2	98.1	98.3	98.3	98.3	98.3
VM 300 200	90.2	91.0	94.5	96.4	97.7	97.9	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
VM 100 0	90.2	91.8	94.5	96.4	97.7	97.9	99.0	99.2	99.3	99.5	99.6	99.6	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1913

DATA PROCESSING DIVISION  
USAF ETAC  
AIP WEAT LT3 SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: FT WALTERS AFB TEX/INHERAL WELLS YEARS: 49-70 IFC MONTH: \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
≥ 20000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 18000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
16000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
12000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 10000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
9000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 8000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
7000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 6000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
5000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
4000	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
IV 3500	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
3000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 2500	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1800	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
1500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1200	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
1000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 900	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	86.2	86.2
800	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
IV 700	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
600	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 500	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
400	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 300	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
200	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 100	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS 1777

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION EL PASO WILCOX/ALBERT WELLS YEARS 49-70 MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-2000  
HOURS (L.R.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.5	65.4	65.7	65.8	65.6	65.9	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.2
≥ 20000	71.1	72.1	72.2	72.4	72.4	72.3	72.3	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8
IV 18000	71.5	72.4	72.7	72.8	72.8	73.0	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 16000	72.1	73.1	73.3	73.4	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9
IV 14000	73.1	74.1	74.3	74.5	74.5	74.7	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 12000	74.0	75.0	75.2	75.5	75.5	75.6	75.6	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9
IV 10000	75.0	76.0	76.8	77.0	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4
IV 9000	75.7	76.7	77.2	77.5	77.5	77.6	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.9	77.9
IV 8000	77.1	78.2	78.4	78.6	78.6	78.8	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	77.7	78.8	79.0	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 6000	78.3	79.4	80.0	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 5000	79.0	80.1	81.2	81.4	81.4	81.6	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 4500	80.0	81.2	81.7	82.0	82.0	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	81.1	82.4	82.8	83.1	83.1	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3500	82.0	83.3	83.6	83.9	83.9	84.1	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	82.4	83.9	84.3	84.6	84.6	84.8	84.8	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	83.5	84.8	85.1	85.4	85.4	85.6	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	84.7	86.1	86.4	86.7	86.7	86.9	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1800	85.7	87.2	87.5	87.8	87.8	88.0	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	86.7	88.3	88.6	88.9	88.9	89.1	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200	87.6	89.3	89.6	89.9	89.9	90.1	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1000	87.9	89.7	90.0	90.3	90.3	90.5	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	88.3	90.1	90.4	90.7	90.7	90.9	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 800	88.7	90.6	90.9	91.2	91.2	91.4	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	88.9	90.9	91.2	91.5	91.5	91.7	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 600	88.7	90.8	91.1	91.4	91.4	91.6	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 500	88.8	91.0	91.3	91.6	91.6	91.8	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 400	89.1	91.3	91.6	91.9	91.9	92.1	92.1	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 300	89.1	91.4	91.7	92.0	92.0	92.2	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 200	89.1	91.5	91.8	92.1	92.1	92.3	92.3	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 100	89.1	91.6	91.9	92.2	92.2	92.4	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 0	89.1	91.7	92.0	92.3	92.3	92.5	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS 1712

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION DT MOUNTAIN AND TERRITORIAL BELLS 49-70 YEARS MONTH 11C

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	67.1	57.0	47.6	37.4	27.2	17.7	7.7	0.7	0.7	0.3	0.1	0.1	0.1	0.1	0.1	0.2
≥ 20000	72.4	72.4	72.4	72.4	72.7	73.1	73.1	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.9	73.4
IV 18000	73.7	73.5	73.9	73.0	73.1	73.3	73.5	73.5	73.5	73.8	73.8	73.8	73.8	74.1	74.1	74.1
IV 16000	73.7	73.5	73.9	73.0	73.1	73.3	73.5	73.5	73.5	73.8	73.8	73.8	73.8	74.1	74.1	74.1
IV 14000	73.9	73.5	73.9	74.1	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 12000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 10000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 9000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 8000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 7000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 6000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 5000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 4500	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 4000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 3500	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 3000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 2500	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 2000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 1800	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 1500	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 1200	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 1000	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 900	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 800	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 700	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 600	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 500	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 400	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 300	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 200	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 100	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 0	73.9	73.5	73.9	74.0	74.2	74.4	74.4	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9

TOTAL NUMBER OF OBSERVATIONS 1000

## PART D

## SKY COVER

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

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

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

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

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

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70 ALL  
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	36.1	2.2	3.1	3.1	2.2	1.5	2.2	2.8	3.9	2.7	40.4	5.3	14397
FEB		37.3	2.9	3.5	3.1	2.5	1.7	2.2	2.9	3.9	2.9	37.1	5.0	13200
MAR		35.9	3.0	3.7	3.7	2.7	2.2	2.7	3.4	4.7	3.4	34.7	5.0	14478
APR		33.2	2.8	3.9	4.2	2.9	2.0	2.5	3.4	5.5	3.8	35.8	5.2	14200
MAY		30.1	3.9	4.5	5.1	3.7	2.9	3.5	4.0	6.6	4.1	31.6	5.1	14567
JUN		38.7	5.3	6.2	6.7	5.0	3.6	3.5	4.2	5.9	3.6	17.3	3.8	14161
JUL		40.5	6.4	6.3	6.8	4.9	3.9	3.6	4.5	5.8	3.8	13.8	3.5	14572
AUG		44.6	6.2	6.7	7.0	5.2	3.8	3.5	3.9	4.7	3.2	11.3	3.1	14594
SEP		47.8	4.7	4.3	4.7	3.4	2.8	2.5	3.3	4.2	2.8	19.5	3.5	14092
OCT		50.5	3.5	3.8	3.6	2.9	2.0	2.1	2.8	3.9	2.8	22.1	3.5	15089
NOV		46.6	3.1	3.3	3.3	2.7	1.7	2.0	3.0	4.1	2.3	27.7	4.0	14157
DEC		42.8	2.5	3.1	3.0	2.2	1.6	2.0	2.7	3.7	2.5	33.8	4.6	14128
TOTALS		40.4	3.9	4.4	4.5	3.4	2.5	2.7	3.4	4.7	3.2	27.1	4.3	171635





























DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## 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 presentation 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 deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
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 all years combined. The following information is provided:

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 vertically. Also provided for each dry-bulb temperature interval 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 require two pages in some cases.

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations 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 tabulations 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 available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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 AIR WEATHER SERVICE/HAC  
 03943

STATION FT WALTERS AAF TEX/MINERAL WELLS 69-65, 67-70

### DAILY TEMPERATURES

STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
110						.2	.2	.2					.0
105						1.8	5.4	8.4	1.0				1.4
100				.2	.3	11.5	36.7	38.3	6.2	.3			8.1
95			.2	2.0	8.4	41.0	71.0	68.7	30.7	2.5			19.4
90	.2	.2	2.8	8.0	29.0	72.3	90.1	89.3	53.0	12.9	.4	.7	30.7
85	.9	2.4	8.2	24.6	54.4	89.7	95.8	97.8	72.7	34.8	6.3	.7	41.5
80	3.0	5.9	15.9	45.9	77.3	95.0	98.5	99.7	88.0	52.3	11.9	2.4	50.7
75	10.4	14.5	29.6	64.2	88.9	98.1	100.0	100.0	95.8	71.2	25.9	6.9	59.8
70	19.6	29.4	47.1	78.5	95.5	99.1			99.1	83.6	45.0	16.9	68.7
65	31.1	43.1	62.5	88.3	98.0	100.0			100.0	92.5	60.0	33.8	76.3
60	47.5	53.7	73.8	95.2	99.6					96.7	74.1	51.0	83.3
55	60.7	71.2	83.0	98.6	99.8					98.7	85.5	66.1	89.0
50	72.0	82.0	90.7	99.8	100.0					99.5	93.5	80.2	93.4
45	80.8	91.2	94.4							99.8	96.0	88.7	96.0
40	84.0	94.9	97.4	100.0						100.0	99.5	95.3	97.7
35	90.9	97.1	99.5								99.8	98.2	98.8
30	95.2	98.8	100.0									100.0	99.5
25	98.0	100.0											99.8
20	99.5												100.0
15	100.0												100.0
MEAN	58.7	61.3	67.3	77.3	84.5	92.3	96.9	97.1	89.3	79.2	66.7	52.0	77.3
S D	14.46	12.63	12.63	9.65	7.64	6.74	5.78	5.70	7.81	9.64	11.17	11.13	17.33
TOTAL OBS	560	510	571	562	559	575	594	592	576	598	553	551	6801

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-63, 67-70

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						.7	2.3	3.0					.5
75				.2	.2	16.0	37.5	31.9	6.3				7.8
70				1.4	12.2	54.4	88.0	75.0	33.0				23.2
65			.9	11.0	38.3	83.5	98.1	93.7	59.2	4.7			34.3
60	.7	.6	5.1	29.0	69.1	96.5	99.8	99.7	79.9	31.3	5.6		44.1
55	2.3	3.3	10.9	49.8	87.3	98.8	100.0	100.0	94.4	52.2	11.0	2.9	52.2
50	7.5	10.0	25.0	64.2	94.8	100.0			99.1	67.9	22.8	7.4	59.2
45	14.5	20.8	39.9	82.0	99.1				100.0	86.6	37.4	13.6	67.2
40	23.2	37.1	59.7	95.1	99.8					93.7	57.7	29.0	73.6
35	39.5	58.8	77.4	97.9	100.0					99.9	76.9	49.9	83.8
33	46.8	67.5	83.4	99.1						99.5	84.3	58.4	87.0
30	58.7	78.0	91.2	100.0						100.0	90.4	72.6	91.2
25	78.0	91.2	97.7								97.3	90.2	96.3
20	88.7	97.3	99.3								99.1	93.3	98.4
15	93.0	99.4	99.8								99.8	98.7	99.4
10	97.7	99.6	100.0								100.0	99.8	99.8
5	99.8	99.8										100.0	100.0
0	100.0	100.0											100.0
MEAN	32.3	36.8	42.2	53.3	62.0	69.3	73.3	72.2	65.4	54.6	42.0	35.0	51.2
S D	10.982	9.397	9.734	9.041	6.626	5.122	3.449	4.265	6.399	8.980	9.860	9.133	16.623
TOTAL OBS	560	310	571	562	359	373	394	392	376	398	353	351	690

DATA PROCESSING DIVISION

USAF ETAC

AIR WEATHER SERVICE/MAC

03943

FT WOLTERS AAF TEX/MINERAL WELLS

49-65, 67-70

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

MEAN

(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT	NOV	DEC	ANNUAL
95													0
90						3.3	13.0	16.2	1.0				3.0
85					1.4	28.9	64.0	34.6	12.3	.3			14.0
80				2.0	19.1	66.4	91.1	87.2	42.9	5.4			27.0
75		.2	2.5	14.8	47.2	89.0	98.1	99.3	70.7	25.4	.7		37.9
70	1.1	1.2	7.2	36.3	73.3	96.0	100.0	100.0	87.7	42.1	6.3	.5	47.2
65	2.7	3.9	18.4	58.5	90.7	99.0			97.4	62.9	13.2	2.8	53.6
60	10.5	13.5	33.6	74.7	97.1	100.0			99.8	81.3	27.8	9.1	63.5
55	20.0	32.2	54.3	89.1	95.3				100.0	92.8	50.6	19.6	72.4
50	34.3	49.3	71.3	96.6	99.8					98.0	70.9	39.9	80.7
45	53.7	68.6	84.6	99.8	100.0					99.3	83.9	63.3	88.4
40	70.0	84.3	92.3							100.0	94.6	81.1	93.7
35	81.1	92.3	97.4	100.0							98.0	93.3	97.0
30	88.6	96.7	99.1								99.8	96.6	98.4
25	93.9	99.0	100.0								100.0	99.1	99.4
20	97.9	99.8										100.0	99.8
15	99.6	100.0											100.0
10	100.0												100.0
MEAN	44.7	49.3	53.0	63.3	73.3	81.1	85.3	84.9	77.6	67.1	54.6	47.2	65.3
S D	11.763	10.012	10.282	8.323	6.499	5.510	4.193	4.437	6.276	8.272	9.330	9.971	16.499
TOTAL OBS	360	310	371	562	339	378	394	392	376	397	333	351	6801









DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

03949 STATION 49-65, 67-73  
 FT WALTERS AAF TEX/MINEKAL WELLS STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT  
 /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB.	MAR	APR	MAY	JUN	JUL	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
57						66	69	58	45	38	34		MIN TEMP DAYS
61			23	34	40	17	17	19	10	17	10		MIN TEMP DAYS
66	11	27	15	10	14	12	16	13	19	19	14	12	MIN TEMP DAYS
70	7	15	16	10		17	17	16	17	18	13	12	MIN TEMP DAYS
	12	20	32	30	47	53	56	61	53	34			MIN TEMP DAYS
	16	15	14	18	10	19	17	17	10	17			
MEAN													
S D													
TOTAL OBS													

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
112/111																														.0	2	2			
110/109																															.0	4	4		
108/107																														.0	26	26			
106/105															.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	138	138			
104/103															.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	347	347			
102/101															.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	689	689			
100/ 99															.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1298	1298			
98/ 97														.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1873	1873			
96/ 95													.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	2492	2492			
94/ 93													.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	2774	2774			
92/ 91					.0		.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	3243	3244			
90/ 89				.0		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	3919	3919			
88/ 87					.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	4209	4214			
86/ 85			.0		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	4847	4863	1		
84/ 83		.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	5103	5113	2	1	
82/ 81		.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	5695	5707	13	2	
80/ 79	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	6785	6789	286	1	
78/ 77	.0	.1	.1	1.0	1.0	.6	.4	.3	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	7266	7283	1844	34	
76/ 75	.0	.1	.1	1.1	.7	.5	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	8133	8150	7387	310	
74/ 73	.0	.7	1.1	.8	.5	.4	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	7736	7747	12842	1767	
72/ 71	.1	.8	.8	.7	.5	.3	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	7278	7289	14758	5843	
70/ 69	.1	.8	.8	.7	.4	.3	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	7102	7116	12664	10350	
68/ 67	.1	.7	.7	.5	.3	.3	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	6204	6218	9451	12668	
66/ 65	.1	.8	.7	.4	.3	.3	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	6331	6361	8255	12071	
64/ 63	.1	.8	.6	.4	.3	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	5858	5865	7593	11228	
62/ 61	.2	.8	.5	.3	.3	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	5397	5409	6916	9405	
60/ 59	.2	.7	.4	.4	.3	.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	5411	5428	6553	7942	
58/ 57	.1	.6	.4	.4	.3	.3	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	5136	5146	5896	6560	
56/ 55	.2	.6	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	5221	5221	5722	5877	
54/ 53	.1	.5	.3	.4	.4	.4	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	4847	4847	5444	5105	
52/ 51	.1	.6	.4	.3	.4	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	4727	4727	5713	4786	
50/ 49	.2	.6	.3	.3	.3	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	4883	4883	6270	4526	
48/ 47	.2	.6	.3	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	4497	4497	6199	4807	
46/ 45	.1	.6	.6	.6	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	4435	4436	6147	4755	
Element (X)	ΣX <sup>2</sup>		ΣX		X	Σx	No. Obs.		Mean No. of Hours with Temperature						Total																				
Ref. Num.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

ALL

STATION

STATION NAME

YEARS

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PAGE 2

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew Point		
44/ 43	.1	.6	.6	.6	.4	.1	.0	.0												4088	4088	5612	4958	
42/ 41	.1	.6	.6	.6	.3	.1	.0	.0												3691	3691	5439	4851	
40/ 39	.1	.6	.6	.5	.2	.1	.0	.0												3559	3559	5490	5158	
38/ 37	.1	.6	.6	.4	.2	.0	.0													3207	3207	4790	5248	
36/ 35	.1	.6	.5	.3	.1	.0														2729	2729	4213	5310	
34/ 33	.1	.5	.5	.2	.0	.0														2377	2377	3487	5055	
32/ 31	.1	.6	.4	.1	.0	.0														2023	2024	3161	5175	
30/ 29	.1	.5	.3	.1	.0	.0														1650	1652	2804	4849	
28/ 27	.1	.4	.2	.0	.0															1240	1240	1971	4555	
26/ 25	.1	.3	.1	.0																870	870	1508	4044	
24/ 23	.0	.2	.1	.0																557	557	909	3456	
22/ 21	.0	.2	.1	.0																457	457	588	2654	
20/ 19	.0	.1	.0	.0																354	354	521	2177	
18/ 17	.0	.1	.0																	216	216	346	1716	
16/ 15	.0	.1	.0																	168	168	200	1150	
14/ 13	.0	.0	.0																	113	113	174	889	
12/ 11	.0	.0	.0																	59	59	120	665	
10/ 9	.0	.0	.0																	47	47	62	509	
8/ 7	.0	.0																		21	21	42	345	
6/ 5	.0	.0																		10	10	15	285	
4/ 3	.0	.0																		5	5	7	148	
2/ 1																							135	
0/ -1																							91	
-2/ -3																							59	
-4/ -5																							55	
-6/ -7																							38	
-8/ -9																							17	
-10/-11																							5	
-16/-17																							1	
-18/-19																							1	
-20/-21																							3	
TOTAL	3.1	16.5	15.2	12.9	10.5	8.8	7.4	6.3	5.3	4.2	3.3	2.4	1.8	1.1	.6	.3	.2			171359		171240		
																					171347		171351	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	746259488	10701472	62.521318	171340		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	782727570	11149140	63.018414	171359			402.9	442.2	3393.9	2052.9	491.8	8760												
Wet Bulb	583142584	9670430	56.414769	171351			642.2	2020.3	1141.0	4.3		8760												
Dew Point	474007990	8544164	49.916688	171240		14.0	1703.4	1379.8	107.9	.2		8760												

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
92/ 91																	.0			1	1			
90/ 89																	.0			1	1			
88/ 87																	.0			4	4			
86/ 85																	.0			5	5			
84/ 83																	.0			15	15			
82/ 81											.0	.0	.0	.0	.0	.0	.0			17	17			
80/ 79											.0	.0	.0	.0	.0	.0	.0			28	28			
78/ 77							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			41	41			
76/ 75						.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0			98	98			
74/ 73						.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.0			130	130			
72/ 71				.1	.2	.2	.2	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0			137	137			
70/ 69			.0	.3	.2	.2	.1	.1	.1	.2	.2	.1	.1	.1	.1	.0	.0			220	220			
68/ 67		.0	.3	.3	.2	.2	.1	.1	.1	.2	.2	.1	.1	.1	.1	.0	.0			242	242			
66/ 65		.2	.4	.2	.1	.2	.1	.3	.3	.3	.3	.1	.0	.0	.0	.0	.0			297	297		82	
64/ 63	.1	.6	.4	.3	.2	.1	.2	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0			389	389	237	57	
62/ 61	.2	.6	.4	.2	.2	.2	.3	.5	.3	.3	.1	.0	.0	.0	.0	.0	.0			402	402	314	199	
60/ 59	.1	.4	.4	.3	.3	.4	.4	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0			453	453	283	242	
58/ 57	.2	.6	.3	.2	.3	.3	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0			485	485	331	239	
56/ 55	.2	.6	.3	.4	.5	.5	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0			553	553	337	286	
54/ 53	.3	.7	.4	.5	.5	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0			620	620	371	255	
52/ 51	.5	.9	.4	.5	.6	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0			606	606	480	317	
50/ 49	.6	1.4	.6	.7	.9	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0			770	770	705	326	
48/ 47	.4	.9	.8	.8	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			678	678	812	371	
46/ 45	.4	1.1	.8	1.0	.8	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			705	705	742	426	
44/ 43	.3	.9	1.1	1.3	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			720	720	809	424	
42/ 41	.2	1.1	1.3	1.1	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			659	659	831	466	
40/ 39	.4	1.3	1.2	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			663	663	922	504	
38/ 37	.3	1.7	1.4	1.1	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			731	731	898	629	
36/ 35	.5	1.7	1.5	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			741	741	914	774	
34/ 33	.4	1.8	1.4	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			659	659	781	857	
32/ 31	.4	2.4	1.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			663	663	793	893	
30/ 29	.6	1.9	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			599	501	910	885	
28/ 27	.5	1.6	1.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			470	470	640	937	
26/ 25	.6	1.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			400	400	619	880	
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$	$s_x$	No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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









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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-6	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
96/95																	.0	2	2		
94/93																	.0	5	5		
92/91																	.0	19	19		
90/89																	.0	43	43		
88/87																	.0	52	52		
86/85																	.0	87	87		
84/83																	.0	86	86		
82/81																	.0	115	115		
80/79																	.0	171	171		
78/77																	.0	244	244		
76/75																	.0	292	292		
74/73																	.0	318	318		
72/71																	.0	412	412	5	
70/69																	.0	542	542	37	
68/67																	.0	597	597	181	
66/65																	.0	651	651	363	
64/63																	.0	679	679	412	
62/61																	.0	643	643	522	
60/59																	.0	677	677	641	
58/57																	.0	403	403	372	
56/55																	.0	828	828	690	
54/53																	.0	715	715	797	
52/51																	.0	714	714	960	
50/49																	.0	778	778	1092	
48/47																	.0	716	716	995	
46/45																	.0	738	738	1057	
44/43																	.0	716	716	978	
42/41																	.0	572	572	941	
40/39																	.0	507	507	904	
38/37																	.0	437	437	771	
36/35																	.0	322	322	663	
34/33																	.0	332	332	496	
32/31																	.0	290	290	484	
30/29																	.0	142	142	380	
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 0-26-5 (O.L.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
28/27	.1	.4	.3	.0														113	113	234	797
26/25	.0	.2	.2	.0														64	64	129	690
24/23		.1	.0	.0														20	20	69	533
22/21		.1	.0	.0														18	18	33	422
20/19	.0	.1																12	12	29	371
18/17	.0	.0																6	6	13	280
16/15		.0																1	1	4	230
14/13	.0																	1	1	2	165
12/11																					89
10/9																					33
8/7																					34
6/5																					19
4/3																					16
2/1																					7
0/-1																					1
-2/-3																					3
-4/-5																					4
-6/-7																					1
-8/-9																					2
-10/-11																					1
TOTAL	2.4	19.3	17.2	14.6	11.5	9.6	7.5	6.0	4.7	3.8	3.0	2.0	1.1	.6	.2	.1	.1	14476	14476	14476	14467
																		14476		14476	

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

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.	95670853	835819	57.722	624	14475							
Dry Bulb	45963568	791928	54.713	509	14476		34.3	153.2	73.5	25.1	.4	744
Wet Bulb	33042951	673323	46.710	309	14476		70.9	11.5				744
Dew Point	22909729	545029	37.712	817	14467	.6	278.5	.4				744

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
100/ 99																		.0	1	1																
98/ 97																		.0	2	2																
96/ 95												.0	.0				.0	.1	18	18																
94/ 93											.0	.0	.0				.0	.1	30	30																
92/ 91										.0	.1	.0	.0	.0	.1	.1	.0	.0	43	43																
90/ 89								.0	.1	.1	.1	.0	.0	.1	.1	.1	.0	.0	84	84																
88/ 87								.0	.1	.2	.2	.2	.1	.1	.1	.0	.0	.0	184	184																
86/ 85						.0	.1	.2	.3	.3	.2	.2	.2	.2	.1	.0	.0	.0	270	270																
84/ 83					.0	.1	.1	.5	.3	.2	.2	.2	.3	.2	.0			.0	291	291																
82/ 81					.1	.3	.5	.4	.4	.3	.2	.3	.3	.1	.0			.0	402	402																
80/ 79				.0	.3	.6	.4	.3	.4	.3	.3	.3	.2	.1				.0	492	492																
78/ 77			.0	.3	.6	.6	.5	.5	.3	.3	.4	.3	.2	.1	.0			.0	557	557																
76/ 75			.2	.7	.9	.5	.6	.4	.4	.3	.5	.2	.0					.0	683	683	11															
74/ 73		.0	.3	1.0	.9	.7	.4	.4	.4	.4	.3	.2	.0					.0	744	744	86															
72/ 71		.2	1.1	1.1	1.0	.9	.4	.5	.3	.4	.4	.1	.0					.0	851	851	309	27														
70/ 69	.0	.9	1.4	1.2	.8	.5	.5	.6	.6	.5	.2	.1	.0					.0	1063	1063	716	160														
68/ 67	.1	1.4	1.4	1.0	.9	.4	.5	.5	.4	.4	.1	.0						.0	947	947	1004	422														
66/ 65	.2	1.6	1.2	.9	.5	.5	.7	.6	.5	.2	.1	.0						.0	990	990	1178	783														
64/ 63	.3	1.5	1.1	.6	.4	.7	.6	.6	.3	.1	.0							.0	869	869	1137	1064														
62/ 61	.3	1.6	.8	.6	.6	.7	.5	.4	.3	.0								.0	809	809	1067	938														
60/ 59	.4	1.4	.7	.9	.9	.6	.5	.4	.2	.0								.0	861	861	1093	941														
58/ 57	.3	.9	.8	.7	.6	.5	.6	.2	.1									.0	669	669	965	914														
56/ 55	.2	.8	.9	.8	.7	.6	.4	.1	.0									.0	657	657	909	664														
54/ 53	.1	.8	1.0	.6	.6	.5	.2	.1										.0	563	563	933	580														
52/ 51	.2	.9	.7	.9	.7	.2	.1	.0										.0	531	531	991	624														
50/ 49	.2	.7	.6	.8	.6	.3	.0											.0	434	434	864	641														
48/ 47	.1	.6	.6	.5	.5	.1	.0											.0	318	318	701	705														
46/ 45	.0	.5	.5	.5	.3	.1												.0	270	270	669	741														
44/ 43	.0	.3	.5	.4	.1	.0												.0	191	191	488	639														
42/ 41		.3	.4	.3	.0													.0	138	138	355	629														
40/ 39		.3	.2	.2	.1													.0	102	102	300	683														
38/ 37		.1	.1	.1														.0	47	47	190	593														
36/ 35	.0	.0	.1	.0														.0	30	30	83	588														
34/ 33	.0	.1	.0															.0	16	16	63	464														
Elemen. (X)	Σx²		Σx		Σ	Σx	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) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR  
 MONTH

PAGE 2

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point	
32/ 31		.1	.0															11	11	39	387	
30/ 29		.0																1	1	13	328	
28/ 27																				1	238	
26/ 25																					159	
24/ 23																					118	
22/ 21																					61	
20/ 19																					34	
18/ 17																					28	
16/ 15																					16	
14/ 13																					3	
12/ 11																					5	
10/ 9																					1	
8/ 7																					1	
TOTAL	2.3	14.8	15.2	14.3	11.6	9.2	7.6	6.7	5.3	4.3	3.4	2.2	1.4	.9	.5	.3	.2		14191		14179	
																		14191		14191		
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	X	No. Obs.	Mean No. of Hours with Temperature										Total						
Rel. Hum.	6122881	876615	61.822	2.334	14191	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					720						
Dry Bulb	62174245	925169	65.211	1.443	14191			.6	338.1	193.0	80.5	2.6				720						
Wet Bulb	48655801	803417	56.6	9.063	14191			2.7	107.9	4.9					720							
Dew Point	36959005	703121	19.612	2.147	14179			70.0	30.9					720								

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY

STATION

STATION NAME

YEARS

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PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
04/103																	.0	4	4	
02/101																	.0	2	2	
00/99														.0	.0		.0	11	11	
98/97									.0	.0	.0	.0	.0	.0			.0	17	17	
96/95								.0	.0	.2	.3	.1	.1	.0	.0	.0	.0	63	63	
94/93								.0	.0	.2	.3	.2	.1	.1	.1	.0	.0	152	152	
92/91						.0	.0	.2	.3	.4	.2	.1	.1	.1	.1	.0	.0	226	227	
90/89						.0	.1	.2	.5	.8	.6	.2	.1	.1	.1	.0	.0	395	399	
88/87					.0	.0	.2	.7	.9	.8	.3	.2	.2	.1	.0	.0		495	500	
86/85					.1	.2	.8	1.0	1.0	.9	.2	.2	.2	.1	.0	.0		624	637	
84/83				.0	.1	.6	1.1	1.2	.8	.3	.3	.1	.1	.0	.0			681	685	
82/81			.0	.1	.4	1.0	1.5	.9	.5	.3	.3	.2	.1	.0	.0			764	770	3
80/79			.1	.4	1.0	1.5	1.2	.7	.4	.3	.2	.1	.0	.0	.0			835	837	23
78/77		.0	.2	.8	1.8	1.3	.9	.5	.4	.2	.1	.1	.0	.0	.0			928	932	69
76/75		.1	.8	1.8	1.9	1.2	.6	.5	.3	.1	.1	.0	.0					1093	1098	285
74/73	.0	.3	1.8	1.9	1.5	.6	.5	.3	.2	.1	.1	.0	.0					1081	1084	758
72/71	.0	.9	2.2	2.0	.9	.4	.4	.2	.1	.1	.1	.0						1063	1068	1375
70/69	.1	1.7	2.4	1.6	.8	.7	.3	.3	.1	.1	.0							1179	1182	2123
68/67	.1	2.1	2.3	1.0	.8	.5	.3	.2	.1	.0	.0							1062	1068	1927
66/65	.4	2.8	1.8	.7	.5	.4	.1	.1	.0	.0	.0							1018	1029	1836
64/63	.3	2.5	1.1	.6	.4	.2	.2	.1	.0	.0								763	767	1924
62/61	.3	1.8	.7	.5	.3	.2	.1	.0	.0									564	565	1265
60/59	.4	1.3	.7	.5	.2	.1	.1	.0										469	469	964
58/57	.2	.8	.6	.4	.2	.0	.0											332	332	671
56/55	.2	.7	.3	.3	.1	.0	.0											237	237	584
54/53	.0	.3	.3	.3	.1	.0	.0											157	157	337
52/51	.1	.3	.2	.1	.0	.0												94	94	267
50/49	.0	.3	.2	.0	.0	.0												83	83	199
48/47	.1	.2	.1	.0	.0													56	56	151
46/45		.1	.1	.0	.0													31	31	58
44/43		.0	.0	.0	.0													8	8	47
42/41	.0	.0		.0	.0													9	9	19
40/39				.0														2	2	10
38/37																				2
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					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) JUL 64 REVERSED PIVOTING BEGINS OF THE FORM ARE OBSOLETE

4

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-69,67-70

MAY

STATION

STATION NAME

YEARS

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PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
36/35																					4	32		
34/33																							24	
32/31																							27	
30/29																							14	
28/27																							13	
26/25																							7	
24/23																							2	
22/21																							1	
20/19																							2	
16/15																							2	
TOTAL	2.2	16.3	16.1	13.2	11.1	9.0	8.4	6.9	5.6	4.2	3.2	1.6	1.0	.6	.3	.1	.1				14572	14501	14496	
																		14500				14501		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	71218049	976517	67.4	19.387	14499							
Dry Bulb	78984261	1063203	73.0	9.839	14572			548.0	378.5	199.6	12.7	744
Wet Bulb	61368214	938686	64.7	6.438	14501			336.7	58.4	.6		744
Dew Point	59097523	870099	60.0	7.752	14496			3.5	138.4	6.7		744

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUN

STATION

STATION NAME

YEARS

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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	
106/105																	.0	8	8			
104/103														.0	.1	.0	.1	32	32			
102/101													.0	.1	.1	.1	.0	46	46			
100/99										.0	.2	.4	.3	.1	.0	.0	.0	144	144			
98/97									.0	.3	.6	.8	.4	.1	.0			311	311			
96/95								.1	.4	1.1	1.1	.7	.1	.0				509	509			
94/93							.1	.4	1.0	1.3	.9	.2	.1	.0				562	562			
92/91						.0	.4	1.1	1.8	1.2	.4	.1	.1					742	742			
90/89					.0	.0	.3	1.2	2.2	1.4	.6	.2	.1	.0				871	871			
88/87				.0	.2	.9	1.9	1.7	.7	.3	.1	.0	.0					824	824			
86/85				.1	.8	1.9	2.1	.9	.4	.2	.0	.0						913	913			
84/83			.0	.0	.7	1.9	2.3	1.2	.4	.2	.1	.0						966	966			
82/81			.0	.3	1.3	2.4	1.4	.3	.2	.1	.1	.0						934	934	1		
80/79	.0	.0	.4	1.4	2.9	1.9	.8	.3	.1	.1	.0							1148	1148	93		
78/77	.0	.1	.9	2.6	2.3	1.3	.4	.1	.1	.1	.0							1153	1153	474	10	
76/75	.0	.6	2.1	2.8	1.8	.7	.2	.1	.1	.0								1184	1184	1644	71	
74/73	.0	1.1	2.8	2.1	.8	.3	.1	.1	.0									1048	1048	2786	469	
72/71	.0	1.7	2.1	1.3	.6	.2	.1	.1										865	865	2983	1167	
70/69	.2	1.7	1.7	.6	.2	.1	.1	.0										656	656	2393	2288	
68/67	.1	1.4	1.1	.3	.2	.1	.0											453	453	1539	2322	
66/65	.2	1.1	.9	.2	.2	.1	.0											328	328	952	2329	
64/63	.2	.6	.2	.2	.2	.0	.0											210	210	506	1927	
62/61	.1	.3	.2	.1	.0	.0												108	108	309	1107	
60/59	.0	.1	.1	.0														46	46	187	594	
58/57		.2	.1	.0														41	41	138	309	
56/55		.1	.1															39	39	77	214	
54/53		.1	.0															13	13	54	183	
52/51		.0																1	1	20	182	
50/49																				1	106	
48/47																					40	
46/45																					16	
44/43																					8	
42/41																					2	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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



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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

03943 STATION FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70 YEARS JUN MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.0	9.2	12.3	12.2	11.7	10.1	8.6	8.2	7.5	6.1	5.4	3.6	2.3	1.2	.4	.2	.1	14155	14155	14155	14144

Element (X)	Σx'	Σx	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	61700911	897953	63.4	18.294	14155							
Dry Bulb	93317662	1141946	80.7	9.176	14155			680.0	379.6	379.9	82.0	720
Wet Bulb	70535028	997280	70.5	4.387	14155			605.9	254.2	1.0		720
Dew Point	61320907	928815	65.7	4.808	14144			352.6	28.0			720

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

YEARS

JUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-	7-8	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
112/111																		.0	2	2	
110/109																		.0	1	1	
108/107																		.0	9	9	
106/105																		.2	50	50	
104/103														.0	.0	.2	.3	.2	122	122	
102/101														.2	.7	.4	.4	.1	307	307	
100/ 99													.0	1.0	1.4	.8	.1	.1	519	519	
98/ 97										.0	.0	.3	1.4	2.1	1.0	.3	.0	.3	739	739	
96/ 95										.0	.4	1.6	2.1	1.7	.3	.0		.0	805	805	
94/ 93										.0	.4	1.6	1.9	1.1	.3	.1	.0		808	808	
92/ 91								.0	.4	1.6	2.1	1.1	.3	.1	.0			.0	856	856	
90/ 89						.0	.3	1.2	2.2	1.7	.6	.2	.0	.0				.0	893	893	
88/ 87					.0	.2	1.2	2.1	1.7	.7	.2	.0						.0	901	901	
86/ 85				.1	1.0	2.0	2.2	1.0	1.0	.3	.1	.0						.0	973	973	
84/ 83			.0	.1	.6	2.0	2.3	1.0	.9	.1	.0	.0						.0	966	966	
82/ 81		.0	.4	2.0	2.5	1.6	.5	.2	.0	.0								.0	1058	1058	4
80/ 79		.4	2.0	3.2	1.9	.8	.3	.1	.0									.0	1267	1267	70
78/ 77		.3	1.6	3.1	2.3	.9	.3	.1	.0									.0	1275	1275	594
76/ 75	.0	1.1	3.2	2.3	1.0	.3	.2	.0	.0									.0	1189	1189	2968
74/ 73	.1	2.3	2.3	.8	.3	.2	.1	.0	.0									.0	913	913	4076
72/ 71	.3	2.0	.8	.2	.1	.1	.0	.0										.0	524	524	3826
70/ 69	.3	.3	.2	.2	.1	.0	.0											.0	257	257	2065
68/ 67	.0	.1	.1	.1	.0	.0												.0	61	61	818
66/ 65	.0	.1	.1	.1	.0	.0												.0	37	37	254
64/ 63	.0	.0	.1	.0	.0													.0	31	31	179
62/ 61		.0	.0	.0														.0	7	7	51
60/ 59		.0	.0	.0														.0	4	4	46
58/ 57			.0															.0	1	1	13
56/ 55		.0																.0	1	1	4
54/ 53																		.0			2
52/ 51																		.0			59
50/ 49																		.0			33
48/ 47																		.0			8
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature						Total						
Rel Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUL  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
TOTAL	.8	7.1	8.9	9.3	9.8	9.2	9.0	7.7	7.8	6.9	6.2	5.3	4.7	3.9	2.1	1.0	.6	14572	14572	14572	14565				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																			
Rel Hum	55181504	850106	58.3	19.582	14572	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	105674707	1234199	84.7	8.856	14572			739.9	696.9	494.5	171.4	744													
Wet Bulb	76183384	1052742	72.2	2.974	14572			716.0	373.4	.9		744													
Dew Point	64786328	969330	66.6	4.349	14565			425.7	33.2			744													

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

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02943 FT WALTERS AAF TEX/MINERAL WELLS 49-63,67-70

AUG  
MONTH

STATION

STATION NAME

YEARS

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
110/109															.0	.0	.0	3	3		
108/107															.0	.1	.2	17	17		
106/105														.0	.1	.2	72	72			
104/103													.0	.2	.3	.1	166	166			
102/101											.0	.2	.7	.8	.3	.1	298	298			
100/99										.0	.4	1.0	1.3	.7	.2	.0	536	536			
98/97									.1	.3	1.1	1.8	.8	.2	.1	.1	649	649			
96/95								.1	.4	1.3	1.9	1.0	.9	.2	.0	.0	740	740			
94/93						.0	.0	.3	1.0	1.6	1.0	.6	.3	.1	.0	.0	739	739			
92/91					.0	.0	.2	1.0	1.6	1.3	.7	.3	.2	.0	.0	.0	793	793			
90/89					.0	.2	.9	1.6	1.3	1.0	.5	.2	.1	.0	.0	.0	878	878			
88/87				.0	.1	.8	1.7	1.8	1.0	.5	.3	.1	.0	.0	.0	.0	907	907			
86/85				.1	.7	1.7	1.9	1.1	.5	.3	.1	.0	.0	.0	.0	.0	937	937			
84/83			.1	.5	1.6	2.0	1.2	.6	.3	.1	.0	.0	.0	.0	.0	.0	924	924			
82/81		.0	.4	1.5	2.3	1.6	.7	.4	.2	.1	.0	.0	.0	.0	.0	.0	1032	1032	3		
80/79		.0	.2	1.4	2.7	1.9	1.0	.6	.2	.1	.0	.0	.0	.0	.0	.0	1169	1169	80		
78/77	.0	.2	.9	2.8	2.1	1.1	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	1213	1213	517	3	
76/75	.0	.9	2.4	2.3	1.2	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	1184	1184	2009	80	
74/73	.0	1.9	2.2	1.1	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	950	950	3282	377	
72/71	.2	1.6	1.0	.8	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	652	652	3519	1303	
70/69	.1	.7	.6	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	370	370	2339	2334	
68/67	.0	.3	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	178	178	1241	2497	
66/65	.0	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	91	724	2307	
64/63	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	59	419	1844	
62/61	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	17	250	1228	
60/59	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	142	926	
58/57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	38	674	
56/55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			16	445	
54/53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			4	230	
52/51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			5	136	
50/49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				85	
48/47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				54	
46/45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				20	
44/43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				24	
Element (X)	Σx <sup>2</sup>	Σx	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) 1 JUL 64 REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WDLTERS AAF TEX/MINERAL WELLS 49-63,67-70

SEP

STATION

STATION NAME

YEARS

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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															
108/107															.0		.0	4	4																	
106/105													.0	.0	.0		.0	8	8																	
104/103														.1	.0		.0	19	19																	
102/101												.0	.0	.1	.0	.1	.0	35	35																	
100/99												.0	.2	.1	.1	.1	.1	82	82																	
98/97											.0	.2	.3	.3	.1	.1	.0	148	148																	
96/95											.1	.6	.6	.5	.1	.1		331	331																	
94/93								.0	.1	.3	.8	.7	.5	.2	.1	.0		418	418																	
92/91				.0			.0	.1	.5	.8	.8	.3	.4	.2	.1	.0	.0	457	457																	
90/89				.0		.0	.1	.5	1.1	.9	.5	.4	.4	.1	.1	.0		588	588																	
88/87						.1	.5	1.0	1.1	.5	.4	.4	.2	.1	.1			601	601																	
86/85			.0		.0	.4	.9	1.0	.7	.4	.4	.3	.2	.1	.0			620	620	1																
84/83		.0		.0	.2	.8	1.1	.9	.5	.4	.3	.2	.1	.0				664	664	2	1															
82/81		.0	.0	.2	.9	1.1	1.1	.6	.6	.4	.4	.1	.0					779	779	2	2															
80/79	.0	.0	.1	1.0	1.4	1.2	.8	.7	.6	.4	.3	.1	.0					946	946	20	1															
78/77	.0	.1	.6	1.4	1.4	.9	.7	.6	.4	.4	.1	.0						942	942	176	11															
76/75	.1	.8	2.0	1.8	1.2	.8	.6	.5	.4	.3	.1	.0						1214	1214	750	33															
74/73	.1	2.1	2.1	1.4	.9	.7	.6	.4	.3	.1	.0							1207	1207	1558	220															
72/71	.4	2.2	1.8	1.2	.8	.7	.4	.4	.1	.1	.0							1132	1132	2199	985															
70/69	.3	1.9	1.2	1.2	.6	.7	.4	.2	.1	.0								933	933	1959	1484															
68/67	.1	1.4	1.2	.8	.6	.5	.3	.1	.1	.0								727	727	1501	1651															
66/65	.3	1.5	1.1	.7	.5	.4	.2	.1	.0									661	661	1347	1575															
64/63	.1	1.1	.9	.5	.3	.3	.2	.0	.0									482	482	1206	1377															
62/61	.1	.7	.7	.4	.3	.2	.0	.0										348	348	959	1167															
60/59	.0	.8	.5	.4	.3	.1	.0	.0										290	290	790	1033															
58/57		.6	.4	.2	.2	.1	.0											201	201	596	906															
56/55	.0	.2	.3	.2	.1	.0	.0											126	126	402	531															
54/53		.1	.2	.1	.0	.0												58	58	270	662															
52/51	.0	.1	.0	.1	.0													38	38	175	585															
50/49	.0	.0	.0	.0														12	12	101	448															
48/47		.0	.0	.0														7	7	36	381															
46/45			.0	.0														4	4	20	269															
44/43																				6	173															
42/41																				4	132															
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		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	Total																			
Dry Bulb																																				
Wet Bulb																																				
D-w Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

OCT

STATION

STATION NAME

YEARS

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ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
104/103																	.0	4	4	
102/101																	.0	1	1	
100/99																	.0	5	5	
98/97														.0	.0		.0	7	7	
96/95													.0	.0	.1	.0	.0	24	24	
94/93												.0	.0	.1	.0	.1	.1	60	60	
92/91									.0	.0	.1	.1	.0	.1	.1	.1	.0	108	108	
90/89								.0	.1	.2	.1	.1	.2	.1	.1	.1	.0	158	158	
88/87						.0	.1	.2	.2	.3	.3	.3	.1	.2	.1	.1		216	216	
86/85						.1	.2	.3	.4	.4	.3	.2	.2	.2	.1	.0		347	350	
84/83				.0	.0	.2	.3	.4	.5	.5	.3	.2	.1	.1	.0		413	417		
82/81			.0	.1	.2	.3	.3	.3	.3	.4	.2	.2	.1	.0			459	465		
80/79			.0	.2	.4	.5	.5	.4	.3	.3	.3	.3	.1	.0			513	513		
78/77		.0	.1	.3	.5	.6	.6	.5	.3	.3	.3	.2	.1	.0			604	617	14	
76/75		.2	.5	.7	.8	.7	.6	.4	.4	.4	.3	.2	.0				753	765	120	
74/73	.0	.5	.8	.6	.6	.6	.6	.4	.6	.4	.2	.1	.0				819	827	294	
72/71	.1	.9	.7	.8	.7	.7	.5	.5	.5	.3	.2	.0					898	906	531	
70/69	.2	.8	1.0	1.0	.7	.6	.5	.3	.4	.3	.2	.0					944	954	890	
68/67	.2	.9	1.1	.9	.7	.6	.6	.4	.4	.2	.1	.0					951	959	991	
66/65	.3	1.3	1.1	.8	.9	.7	.4	.4	.3	.1	.0						979	998	1116	
64/63	.3	1.6	.8	.9	.7	.8	.4	.4	.3	.1	.0						921	926	1194	
62/61	.4	1.3	1.2	.9	.7	.8	.4	.3	.1	.0							897	908	1140	
60/59	.2	1.1	1.1	1.0	.7	.6	.4	.3	.1	.0							823	842	1084	
58/57	.2	1.3	.8	.8	.6	.6	.4	.1	.0								732	742	1172	
56/55	.2	1.0	1.0	.8	.7	.9	.3	.0	.0								667	667	1113	
54/53	.1	.8	1.0	.7	.6	.3	.1	.0									564	564	938	
52/51	.2	1.3	.9	.9	.4	.2	.0	.0									587	587	862	
50/49	.1	.9	1.0	.6	.4	.2	.0	.0									477	477	886	
48/47	.1	.8	.9	.5	.2	.0	.0										341	341	770	
46/45	.0	.5	.9	.3	.1	.1	.0										240	240	665	
44/43	.0	.3	.3	.2	.1	.0											146	146	379	
42/41	.1	.3	.2	.2	.0	.0											124	124	304	
40/39	.1	.2	.2	.1	.0												74	74	204	
38/37	.0	.2	.1	.0													47	47	129	
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>		γ	ε <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





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

NOV

STATION

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ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
90/89																																	3	3			
88/87																																		16	16		
86/85																																		33	33		
84/83																																		59	59		
82/81																																		79	79		
80/79																																		141	141		
78/77																																		203	203		
76/75																																		270	270		
74/73																																		288	288		
72/71																																		401	401		
70/69																																		503	503	140	22
68/67																																		475	475	212	109
66/65																																		608	608	279	128
64/63																																		629	629	463	160
62/61																																		639	639	349	368
60/59																																		721	721	683	513
58/57																																		752	752	678	479
56/55																																		831	831	718	477
54/53																																		817	817	784	565
52/51																																		911	911	790	558
50/49																																		828	828	920	470
48/47																																		753	753	1043	571
46/45																																		773	773	1033	682
44/43																																		694	694	1009	701
42/41																																		624	624	932	764
40/39																																		594	594	891	852
38/37																																		432	432	767	864
36/35																																		337	337	614	862
34/33																																		280	280	473	784
32/31																																		188	188	402	779
30/29																																		148	148	292	662
28/27																																		96	96	203	566
26/25																																		53	53	138	511
24/23																																		25	25	71	437
Element (X)	Σx <sup>2</sup>		Σx		X		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 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

NOV

STATION

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ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
22/ 21	.0	.1	.1															29	29	37	390
20/ 19		.0	.0															7	7	29	292
18/ 17		.0	.0															4	4	12	176
16/ 15		.0																9	9	5	127
14/ 13		.0																2	2	9	71
12/ 11																					74
10/ 9																					56
8/ 7																					44
6/ 5																					23
4/ 3																					28
2/ 1																					17
0/ -1																					5
-2/ -3																					5
-4/ -5																					1
TOTAL	4.4	21.4	18.3	14.0	10.5	8.6	6.8	5.9	4.4	2.9	1.7	.7	.4	.1				14151	14191	14151	14133

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	64237653	899902	63.6	22.332	14190							
Dry Bulb	43285693	761897	53.8	12.651	14191		28.1	125.8	99.7	13.9		720
Wet Bulb	39040764	667622	47.2	10.443	14191		58.9	18.9				720
Dew Point	24886959	563863	39.9	13.003	14193	.6	214.2	6.7				720

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

DEC

STATION

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ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
22/ 21	.1	.5	.2	.0																	103	103	116	648	
20/ 19	.1	.4	.1																			85	85	112	481
18/ 17	.0	.1	.1																			30	30	80	323
16/ 15	.0	.2	.0																			27	27	36	171
14/ 13	.0	.1	.0																			18	18	24	160
12/ 11		.1																				8	8	17	138
10/ 9		.0																				1	1	7	120
8/ 7																									46
6/ 5																									50
4/ 3																									25
2/ 1																									30
0/ -1																									13
-2/ -3																									3
-4/ -5																									2
-6/ -7																									1
TOTAL	5.7	25.3	20.5	14.9	10.6	7.4	5.5	4.3	2.6	1.7	.8	.5	.2	.0	.0								14117	14117	14106
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	F	Z <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	68568003	912923	64.72	1.697	14115	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	32693768	656789	44.51	2.309	14118		92.6	41.9	14.1	2.8		744													
Wet Bulb	23026387	577523	40.9	1.959	14117		150.2	.3				744													
Dew Point	17820179	473563	33.61	1.672	14106	1.0	374.2					744													

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

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

STATION NAME

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PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
70/69			.1	.1													4	4		
68/67		.1	.1	.1						.1							6	6		
66/65		.3	.6	.1	.1					.1							16	16	4	
64/63	.1	1.2	.9	.3	.1			.1	.1	.1							48	48	19	7
62/61		.4	.8	.1	.1		.2	.1									30	30	31	29
60/59	.2	.6	.7	.1	.1	.1	.1										31	31	25	25
58/57	.5	.9	.5	.2	.2	.3											43	43	45	32
56/55	.2	1.0	.9	.3	.4	.1	.2										47	47	30	37
54/53	.3	1.1	.2	.4	.3	.3	.2										50	50	30	29
52/51	.6	1.1	.3	.6	.4	.3	.1										60	60	48	40
50/49	.7	1.9	.5	.8	.8	.2											84	84	58	34
48/47	.3	1.0	.7	1.3	.9	.1											77	77	68	42
46/45	.3	1.0	1.5	.9	1.0	.3											89	89	54	51
44/43	.6	1.6	1.3	1.7	.5		.1										98	98	85	44
42/41	.2	1.8	2.0	1.6	.3												103	103	85	43
40/39	.8	1.3	2.1	1.0	.3												94	94	121	75
38/37	.5	2.3	2.5	1.5	.6												129	129	112	76
36/35	.5	2.2	1.8	1.3	.4												108	108	128	90
34/33	.5	2.5	1.7	1.3	.1												106	106	114	95
32/31	.2	3.2	1.8	1.0													107	107	105	105
30/29	1.3	2.1	2.4	.4													120	121	147	110
28/27	.5	2.0	1.6	.1													70	70	112	127
26/25	.8	1.3	.6	.1													48	48	95	108
24/23	.2	1.4	.6														39	39	55	103
22/21	.2	.7	.4														23	23	39	76
20/19	.4	1.3	.5	.1													39	39	28	64
18/17	.2	.5	.5														20	20	29	68
16/15	.3	.7	.3														22	22	26	47
14/13	.1	.5	.1														12	12	19	35
12/11		.4															7	7	12	34
10/9	.1	.3															6	6	10	26
8/7	.1																2	2	4	10
6/5	.1																2	2	2	10
4/3																				17
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	Y	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) 1 JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					8
0/ -1																					12
-2/ -3																					2
-4/ -5																					3
-6/ -7																					5
-8/ -9																					2
TOTAL	10.9	37.4	27.4	15.1	6.4	1.7	.7	.2	.1	.1	.1							1740	1741	1740	1739
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	X <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature										Total					
Rel. Hum.	10064398	129100	74.2	16.713	1740	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	2989972	60948	39.6	12.211	1741		27.7	.5							93						
Wet Bulb	2562318	63582	36.5	11.726	1740		36.5								93						
Dew P. int	2038160	34742	31.5	13.882	1739	1.3	52.9								93						

USAFETAC FORM 0-16-5 (OLA) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point									
70/69				.1																					1	1			
68/67			.3	.2																						8	8		
65/65		.2	.5	.1																						16	16	1	
64/63	.2	1.1	.7	.1				.1	.1																	42	42	22	11
62/61	.1	.9	.4	.1	.4																					29	29	28	21
60/59	.1	.7	.3	.2	.1	.1																				26	26	33	29
58/57	.4	.8	.6	.1		.1																				37	37	34	40
56/55	.3	.8	.5	.1	.1	.1																				35	35	31	29
54/53	1.0	1.0	.6	.4	.2	.3	.3																			69	69	46	37
52/51	.6	1.0	.4	.2	.1	.5																				52	52	41	39
50/49	.7	2.2	.4	.5	.3	.2	.1																			79	79	53	44
48/47	.5	.9	.8	.7	.3	.2																				64	64	72	48
46/45	.5	1.1	1.1	1.3	.3																					81	81	41	47
44/43	.4	1.4	1.7	1.3	.4	.2																				98	98	63	38
42/41	.2	1.4	2.2	1.1	.3																					96	96	86	36
40/39	.9	2.0	1.0	.5	.2																					85	85	119	59
38/37	.7	1.8	1.6	.5	.3																					89	89	114	80
36/35	.8	2.7	2.7	1.0	.1																					135	135	110	94
34/33	.5	2.6	2.2	.7	.2																					113	113	107	104
32/31	.8	3.8	2.2	.3	.1																					133	133	118	113
30/29	.9	3.3	2.0	.3																						119	119	163	96
28/27	.5	3.2	1.9	.1																						96	96	112	141
26/25	1.1	3.1	1.0																							96	96	129	97
24/23	.4	1.5	1.1																							56	56	79	117
22/21	.3	1.3	.9																							38	38	50	112
20/19	.5	1.1	.2																							33	33	51	52
18/17	.3	.9	.4																							28	28	37	66
16/15	.1	.9	.4																							25	25	13	30
14/13	.3	.8	.1																							22	22	30	59
12/11	.2	.3																								9	9	23	38
10/9	.1	.5																								11	11	10	28
8/7	.2	.1																								4	4	9	20
6/5	.1																									1	1	1	18
4/3	.1																									2	2	2	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 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN  
 MONTH

PAGE 2 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	x 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
2/ 1																					19		
0/ -1																					14		
-2/ -3																					4		
-4/ -5																					4		
-6/ -7																					2		
-8/ -9																					2		
TOTAL	13.9	43.5	27.5	9.7	3.0	1.6	.4	.2	.2	.1								1828	1828	1828	1828		
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total												
Rel. Hum.	11348914	141092	77.2	19.841	1828	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93											
Dry Bulb	2912432	69270	37.9	12.543	1828		34.2	.5				93											
Wet Bulb	2553093	64617	35.3	12.133	1828		42.1					93											
Dew Point	2105689	56387	30.9	14.117	1828	1.3	54.9					93											

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

STATION

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0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point	
70/69				.1														1	1			
68/67			.2	.3														9	9			
66/65		.2	.2															6	6	3		
64/63	.2	.9	.4			.1				.1								29	29	10	9	
62/61	.3	.9	.2	.1	.1					.1								32	32	35	20	
60/59	.1	.7	.2	.1						.1								20	20	25	29	
58/57	.2	.8	.3		.1	.1				.2	.1							30	30	22	22	
56/55	.7	1.0	.2	.1		.1	.1			.2	.1							41	41	32	29	
54/53	.4	1.3	.3	.4	.2					.2	.1	.1						56	56	39	37	
52/51	.4	1.5	.3	.1	.3	.2				.2	.1	.1						52	52	43	39	
50/49	1.4	2.0	.4	.4	.1	.3												87	82	64	56	
48/47	.9	1.5	.8	.1	.2	.2												68	68	66	46	
46/45	.3	1.3	.5	.7	.3	.2												66	66	58	50	
44/43	.4	1.3	1.3	1.1	.4	.1												61	61	57	34	
42/41	.3	1.7	1.6	.9	.1													90	90	57	50	
40/39	.8	1.6	2.3	1.3	.2													113	113	97	45	
38/37	.3	2.6	1.9	1.0	.3													114	114	118	66	
36/35	1.0	2.4	2.0	.7	.1	.1												114	114	137	90	
34/33	1.1	2.7	1.6	.3	.1													103	103	113	103	
32/31	.4	4.5	1.9	.2														129	129	116	108	
30/29	1.0	3.6	1.1	.2														109	109	137	111	
28/27	.9	3.5	1.5															109	109	103	142	
26/25	1.2	3.4	1.0															102	102	129	121	
24/23	.4	1.9	.8															56	56	83	100	
22/21	.3	1.9	.8															37	37	37	92	
20/19	.7	1.4	.4															46	46	65	82	
18/17	.4	.8	.3															28	28	43	80	
16/15		.9	.4															23	23	18	58	
14/13	.5	.7	.1															22	22	27	48	
12/11	.2	.4																10	10	23	29	
10/9	.3	.7																18	18	11	27	
8/7	.2	.3																9	9	19	27	
6/5		.1																2	2	4	31	
4/3	.1																	2	2	2	4	
Element (λ)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

09943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

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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															
78/77							.1																									1	1		
76/75							.1	.1																								4	4		
74/73						.1	.2																									5	5		
72/71				.2	.3	.1	.1	.1							.1																15	15			
70/69			.2	.5	.2	.2				.1	.4																				23	23			
68/67			.3	.7	.3	.1				.1	.1	.1																			30	30			
66/65		.3	.6	.2	.2	.2	.2	.2	.2	.3	.2	.1																			43	43	18		
64/63	.1	.3	.5	.3	.2	.1	.2	.1	.2	.1	.2	.1																			36	36	31		
62/61		.5	.2	.2	.3	.1	.3	.4	.2	.1																					40	40	37		
60/59	.2	.3	.3	.5	.3	.3	.3	.5	.1	.1																					51	51	36		
58/57	.1	1.1	.6	.4	.1	.3	.6	.1																							63	63	28		
56/55	.2	.7	.5	.3	.6	.6	.5	.4	.1																						72	72	41		
54/53	.2	.7	.4	.5	.7	.7	.5	.2																							71	71	46		
52/51	.4	1.0	.9	.4	.8	.8	.5	.2																							83	83	56		
50/49	.5	1.5	.6	1.0	1.4	.7	.4																								113	113	72		
48/47	.2	.6	.6	1.2	1.3	1.1	.3																								98	98	83		
46/45	.4	1.9	.6	1.6	1.0	.3	.1																								119	119	100		
44/43	.4	.5	1.4	1.7	1.3	.4																									106	106	107		
42/41	.3	.4	1.4	1.4	.9	.2	.1																								86	86	109		
40/39	.3	1.1	1.0	1.8	.5	.1																									87	87	125		
38/37	.3	2.2	1.6	1.5	.8																										118	118	142		
36/35	.6	1.7	1.6	1.3	.4	.1																									104	104	132		
34/33	.2	2.0	1.5	1.0	.2																										90	90	107		
32/31	.3	2.1	.4	.4	.1																										69	69	128		
30/29	.7	1.5	1.3	.2																											66	66	106		
28/27	.4	1.4	1.4	.2																											63	63	66		
26/25	.5	.7	.6	.3																											42	42	74		
24/23	.2	.7	.6																												32	32	38		
22/21	.1	.6	.7	.1																											26	26	31		
20/19	.2	.7	.4																												23	23	35		
18/17	.2	.8	.3																												22	22	27		
16/15		.8	.3																												20	20	21		
14/13		.2	.3																												9	9	16		
12/11		.3	.1																												7	7	11		
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature							Total																					
Rel. Hum.		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

STATION NAME

YEARS

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PAGE 2 0900-1100

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
10/ 9		.2	.4															5	5	8	35
8/ 7		.1																1	1	5	12
6/ 5																				1	23
4/ 3																					8
2/ 1																					7
0/ -1																					7
-2/ -3																					9
-4/ -5																					3
-6/ -7																					3
-10/ -11																					1
-18/ -19																					1
-20/ -21																					2
TOTAL	6.8	26.8	22.0	18.0	11.7	6.6	7.4	2.2	.9	.9	.2	.1						1837	1837	1837	1836

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8850881	122237	66.619	722	1837							
Dry Bulb	3766641	79551	43.313	237	1837		19.5	3.9	.5			93
Wet Bulb	2993294	70934	38.611	813	1837		28.7					93
Dew Point	2213752	38288	31.714	070	1836	1.3	51.2					93

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

STATION NAME

YEARS

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PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
88/ 87																		2	2	
86/ 85																.1	.1	2	2	
84/ 83																.1	.1	3	3	
82/ 81											.1	.2	.1	.2		.1	.1	9	9	
80/ 79											.1	.2	.1	.1		.1		9	9	
78/ 77							.1	.1	.1	.2	.1	.1	.2	.1				14	14	
76/ 75						.1	.3	.3	.4	.2	.1	.2	.3	.1				34	34	
74/ 73					.5	.3	.4	.4	.2	.4	.3	.3	.1					57	57	
72/ 71				.2	.3	.4	.1	.2	.2	.4	.2	.3	.1					43	43	
70/ 69			.1	.4	.5	.4	.6	.2	.5	.3	.3	.3	.1					72	72	
68/ 67			.2	.4	.5	.4	.4	.3	.6	.8	.3	.1						74	74	5
66/ 65		.1	.1	.2	.4	.3	.2	.7	.9	.3	.1	.1						66	66	29
64/ 63		.1	.1	.4	.4	.4	.3	1.1	.8	.3								70	70	41
62/ 61	.1	.4	.2	.2	.2	.1	.6	1.1	.3	.2								62	62	52
60/ 59		.2	.4	.3	.4	.4	1.4	1.1	1.0	.1								96	96	47
58/ 57	.1	.1	.1	.2	.4	1.2	1.5	1.0	.8									99	99	51
56/ 55	.1	.3	.1	.3	.8	.7	1.3	1.2	.4									102	102	68
54/ 53	.2	.4	.3	.6	.9	1.1	1.5	.9	.1									110	110	72
52/ 51		.3	.3	.6	.4	1.0	1.6	.3	.1									90	90	75
50/ 49	.4	1.0	.4	.3	.9	1.3	1.0	.1										97	97	136
48/ 47	.3	.3	.3	.3	1.1	.8	.3	.1										83	83	164
46/ 45	.2	.9	.3	.6	1.0	.8	.3											72	72	121
44/ 43	.2	.3	.8	.7	.7	1.0	.4											74	74	136
42/ 41	.1	.4	.3	.7	1.0	.7	.1											60	60	111
40/ 39		.7	.9	.7	.7	.2	.1											39	39	122
38/ 37		.7	.4	.6	.3	.2												39	39	93
36/ 35	.4	.9	.8	.8	.4	.2												65	65	94
34/ 33	.1	.8	.8	.5	.1													41	41	73
32/ 31	.2	1.4	.8	.4	.2													33	33	69
30/ 29	.3	.8	.5	.1	.1													33	33	69
28/ 27	.4	.7	.6	.4	.1													40	40	56
26/ 25	.9	.2	.3	.1														17	17	34
24/ 23	.1	.3	.7	.1														23	23	28
22/ 21	.1	.5	.3															17	17	20
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	X	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.S./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															
92/ 91																													.1	1	1				
90/ 89																														.1	1	1			
88/ 87																														.1	2	2			
86/ 85																													.1	.1	3	3			
84/ 83																															.1	10	10		
82/ 81																															.1	8	8		
80/ 79																															.1	19	19		
78/ 77																															.1	24	24		
76/ 75																															.1	53	53		
74/ 73																															.1	58	58		
72/ 71																															.1	67	67		
70/ 69																															.1	79	79		
68/ 67																															.1	54	54		
66/ 65																															.1	71	71	3	
64/ 63																															.1	64	64	56	
62/ 61																															.1	95	95	20	
60/ 59																															.1	121	121	33	
58/ 57																															.1	103	103	32	
56/ 55																															.1	118	118	33	
54/ 53																															.1	90	90	38	
52/ 51																															.1	84	84	36	
50/ 49																															.1	79	79	33	
48/ 47																															.1	74	74	36	
46/ 45																															.1	73	73	65	
44/ 43																															.1	57	57	73	
42/ 41																															.1	42	42	84	
40/ 39																															.1	45	45	55	
38/ 37																															.1	60	60	93	
36/ 35																															.1	46	46	87	
34/ 33																															.1	41	41	107	
32/ 31																															.1	40	40	117	
30/ 29																															.1	24	24	96	
28/ 27																															.1	24	24	107	
26/ 25																															.1	22	22	116	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		x <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																																			

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



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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

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
24/ 23	.1	.5	.5															20	20	29	108
22/ 21		.4	.3	.1														16	16	12	79
20/ 19		.3	.3															11	11	18	78
18/ 17	.1	.2																4	4	15	52
16/ 15			.3															6	6	6	43
14/ 13		.3																6	6	3	35
12/ 11																				9	34
10/ 9																					30
8/ 7																					21
6/ 5																					15
4/ 3																					8
2/ 1																					5
0/ -1																					5
-2/ -3																					1
-4/ -5																					8
-6/ -7																					5
-8/ -9																					3
-10/-11																					1
TOTAL	3.1	10.9	9.8	9.5	9.7	11.2	12.9	12.3	8.4	5.1	3.3	2.1	1.2	.3	.1	.2		1818	1818	1818	1818
Element (X)	Zx <sup>2</sup>	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	5252916	88722	48.8	22.539	1818	≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3642332	97682	53.7	14.726	1818		8.8	19.3	9.3	1.7		93									
Wet Bulb	3757812	80146	44.1	11.074	1818		14.9	.2				93									
Dew Point	2220862	38432	32.1	13.733	1818	1.2	49.3					93									

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

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
78/77																		2	2	
76/75									.1									3	3	
74/73								.1	.1	.1								10	10	
72/71					.1	.2		.1	.1	.1								12	12	
70/69				.7	.3	.2		.3	.1	.2								34	34	
68/67			.5	.5	.3	.4	.2	.1	.2	.1								42	42	
66/65		.3	.3	.6	.3	.3	.3	.2	.2	.3								50	50	2
64/63		.4	.2	.5	.3	.2	.7	.2	.5	.3								57	57	36
62/61	.3	.3	.5	.5	.4	.4	.1	.6	.5	.1								64	64	41
60/59	.1	.4	.6	.5	.5	.5	.6	.6	.6	.2								62	62	29
58/57		.5	.2	.3	.8	1.0	.5	.7	.1	.1								71	71	48
56/55	.1	.2	.3	.6	1.0	1.3	1.1	.4	.1									89	89	46
54/53	.2	.3	.9	1.0	1.3	1.6	1.2	.2							.1			117	117	37
52/51	.3	.7	.5	.8	1.5	1.0	.6	.2										98	98	59
50/49	.3	.6	1.0	1.0	1.8	1.6	.3	.1										117	117	97
48/47	.3	1.1	1.2	1.2	1.2	1.1	.3	.1										114	114	121
46/45	.3	1.1	.7	.9	1.1	1.3	.3											100	100	143
44/43	.3	.7	.9	1.7	1.5	.7												101	101	141
42/41	.1	.9	1.1	1.0	.7	.5												77	77	123
40/39		1.1	.9	1.6	.7	.2	.1											81	81	117
38/37		1.1	.9	1.4	.7	.2												74	74	111
36/35	.3	1.1	.7	1.3	.6	.1												73	73	117
34/33	.2	1.1	1.0	1.3	.1													64	64	93
32/31	.5	1.1	.9	.4	.1													51	51	84
30/29	.2	1.1	1.3	.3														50	51	89
28/27	.2	.7	.2	.2														21	21	61
26/25	.2	1.1	.4	.3														39	39	91
24/23	.2	.4	.2	.1														15	15	23
22/21	.1	.7	.5	.1														23	23	19
20/19		.5	.6															18	18	18
18/17	.1	.5	.4															17	17	21
16/15	.1	.3	.2															10	10	16
14/13	.1	.1	.1															4	4	14
12/11	.1	.1																3	3	6
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 9																				1	29
8/ 7																					14
6/ 5																					23
4/ 3																					6
2/ 1																					4
0/ -1																					2
-2/ -3																					3
-4/ -5																					2
-6/ -7																					9
-10/-11																					1
TOTAL	4.1	18.4	17.1	14.2	15.4	12.8	6.5	3.8	1.8	1.0	.5	.2	.1					1759	1760	1760	1760
Element (X)	Σx²	Σx	X̄	σ²	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	7144129	106191	60.420	424	1759	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4147691	82421	46.812	793	1760		13.1	5.4	4.8			93									
Wet Bulb	3128273	71647	40.710	968	1760		21.1					93									
Dew Point	2156307	56901	32.313	418	1760	.9	49.3					93									

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 47-65,67-70

JAN

STATION

STATION NAME

YEARS

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70/ 69				.2	.2													6	6		
68/ 67			.2	.3	.2													19	19		
66/ 65		.4	.6	.4	.1				.1	.1	.1							29	29		
64/ 63	.1	.6	.9	.7	.1	.1	.1	.1	.1	.1	.1							43	43	22	4
62/ 61	.3	.9	.5	.4	.2	.1	.2	.2	.1									50	50	41	26
60/ 59	.1	.5	.3	.6	.4	.5	.1	.1		.1								46	46	34	31
58/ 57	.2	.8	.3	.1	.4	.3	.1	.1										39	39	37	28
56/ 55	.1	.5	.5	.5	.4	.9	.3	.1										51	51	30	44
54/ 53	.2	.6	.2	.8	.7	.4	.2	.1										37	37	25	25
52/ 51	.2	1.0	.4	1.2	.7	1.2	.2											87	87	42	33
50/ 49	.5	1.8	.9	1.3	1.4	1.0												119	119	73	34
48/ 47	.6	1.0	1.0	1.3	1.3	.5												98	98	91	41
46/ 45	.6	1.3	1.0	1.7	1.1	.5	.1											111	111	91	54
44/ 43	.2	1.5	1.3	1.6	1.0	.2	.2											109	109	93	54
42/ 41	.1	1.7	1.3	1.7	1.1	.1												105	105	136	63
40/ 39	.2	1.8	1.7	1.3	.7													98	98	110	77
38/ 37	.2	1.8	1.7	1.7	.8	.1												108	108	130	81
36/ 35	.3	1.7	1.7	1.6	.2													96	96	116	95
34/ 33	.3	1.9	1.7	1.8	.1													99	99	107	95
32/ 31	.1	2.1	1.3	1.0	.2													81	81	101	106
30/ 29	.4	1.7	2.1	.3														78	78	129	126
28/ 27	.6	1.2	.8	.2														47	47	96	110
26/ 25	.4	1.2	.6															38	38	71	103
24/ 23	.2	.4	.4															17	17	39	94
22/ 21	.2	1.3	.2															28	28	26	76
20/ 19	.2	.9	.4															25	25	30	86
18/ 17	.1	.7	.3															22	22	19	63
16/ 15		.8	.2															18	18	23	33
14/ 13		.7	.1															9	9	20	32
12/ 11		.4																7	7	6	31
10/ 9	.1																	2	2	8	15
8/ 7	.1																	1	1	1	15
6/ 5																					21
4/ 3																					13
Element (X)	Σx²	Σx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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



4 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB  
 MONTH

PAGE 1 0000-0700  
 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
76/75												.1					1	1	
74/73												.1					1	1	
72/71												.1					1	1	
70/69				.1								.1					2	2	
68/67			.1	.1								.1					6	6	
66/65		.1	.1							.1		.1					14	14	
64/63		.4	.9	.1		.2	.1		.1	.2		.1					28	28	9
62/61	.2	.7	.4	.3	.2	.2	.3	.1	.2	.2		.1					44	44	23
60/59	.2	.9	.8	.4	.1	.1	.3	.1									46	46	22
58/57	.3	1.1	.9	.4	.2	.3	.3	.1									60	60	38
56/55	.4	1.1	1.1	.9	.9	.9	.3	.1	.1								72	72	37
54/53	.5	1.4	1.1	.7	.4	.8	.3										82	82	61
52/51	.5	.8	.9	1.1	.6	.4	.1										71	71	54
50/49	.5	1.1	1.3	1.1	.6	.4	.1										79	79	61
48/47	.8	2.0	1.9	1.2	1.0	.5	.1										113	113	92
46/45	.6	2.2	2.0	1.8	.6	.4											122	122	116
44/43	.4	1.4	2.0	1.9	1.1	.1											104	104	107
42/41	.7	2.9	1.9	1.7	.9	.1											129	129	109
40/39	.2	3.7	2.9	1.6	.5	.1											138	138	154
38/37	.1	1.9	2.3	1.7	.4												104	104	130
36/35	.9	2.0	2.9	1.1	.1												107	107	128
34/33	.6	1.6	1.9	.6	.1												69	69	106
32/31	.2	1.8	.8	.4													51	51	102
30/29	.7	2.3	.6	.2													61	61	93
28/27	.3	1.5	.9	.1													38	38	59
26/25	.1	1.0	.4														24	24	36
24/23	.4	.4	.1														16	16	31
22/21	.1	.7	.2														16	16	17
20/19	.2	.4	.1														12	12	16
18/17	.1																2	2	10
16/15																			34
14/13		.1															2	2	1
12/11		.1															1	1	1
10/9																			7
Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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

4

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 7		.1																1	1		7
6/ 5		.1																1	1	1	5
4/ 3		.1																1	1	2	2
2/ 1																					1
0/ =1																					1
=6/ =7																					2
=8/ =9																					2
TOTAL	8.3	39.7	26.9	16.4	6.8	4.2	2.0	.4	.4	.4	.2	.2						1611	1611	1611	1611

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4165839	117999	73.2	10.037	1611							
Dry Bulb	3246259	70317	43.6	10.486	1611		11.8	.6	.1			84
Wet Bulb	2722771	64391	39.9	9.723	1611		19.3					84
Dew Point	2170304	96038	34.8	11.717	1611	.2	36.7					84

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



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 STATION FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70 STATION NAME YEARS

FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb
70/ 69																		1	1	
68/ 67																		1	1	
66/ 65		.2	.5															1	1	
64/ 63		.5	.4															14	14	
62/ 61	.3	.8	.5															17	17	9
60/ 59	.2	.8	.6	.3	.1	.1	.3	.1	.2	.1								42	42	25
58/ 57	.4	.7	.6	.4	.1	.1	.1	.2	.2	.1								40	40	26
56/ 55	.5	1.3	.8	.2	.1	.4	.1	.1	.1									42	42	33
54/ 53	.5	1.2	.9	.3	.3	.4	.5											57	57	33
52/ 51	.9	1.3	.8	.2	.4	.4		.1										65	63	50
50/ 49	.7	.7	1.1	.9	.7	.4												67	67	59
48/ 47	.5	1.4	.9	.8	.5	.2	.1											74	74	51
46/ 45	.8	2.8	1.3	1.0	.9	.4												75	75	63
44/ 43	.4	1.4	1.8	1.7	.1	.1												112	112	92
42/ 41	1.1	2.9	1.9	.8	.4	.1												92	92	90
40/ 39	.7	4.6	2.5	1.1	.3	.1												120	120	98
38/ 37	.5	3.3	2.5	1.2	.7													194	194	148
36/ 35	.5	2.7	2.8	.6	.4													138	138	148
34/ 33	.4	2.9	2.6	.9														115	115	122
32/ 31	.4	2.9	1.5															114	114	117
30/ 29	.7	2.3	.8	.2														80	80	124
28/ 27	.7	2.2	1.1	.3														69	69	130
26/ 25	.9	1.2	.4	.1														71	71	91
24/ 23	.3	.9	.2															37	37	52
22/ 21	.1	1.0																25	25	44
20/ 19		.4	.3															18	18	29
18/ 17	.2	.2																11	11	14
16/ 15	.1																	8	8	16
14/ 13																		2	2	4
12/ 11		.1																		24
10/ 9		.1																1	1	8
8/ 7		.1																2	2	7
6/ 5		.1																1	1	2
4/ 3																		2	2	3
Element (X)	$\Sigma X^2$	$\Sigma X$	$X$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$> 80 F$	$> 93 F$	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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





4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0900

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
70/69																		1	1		
68/67				.1	.1													4	4		
66/65		.4	.1															10	10		
64/63	.1	.7	.3															19	19	13	6
62/61	.2	.5	.7							.1								26	26	16	14
60/59	.1	1.0	.4	.1						.1	.1							35	35	20	15
58/57	.4	.9	.4	.1	.1	.2	.1	.2										39	39	36	31
56/55	.7	1.2	.5	.4	.4	.1	.2	.1										58	58	35	40
54/53	1.0	1.4	.7	.2	.2	.1	.2	.1										65	65	44	30
52/51	.6	1.5	.2	.2	.2	.1	.1	.1										48	48	49	48
50/49	.7	1.1	.9	.3	.9	.2	.1											64	64	59	36
48/47	.7	1.3	1.1	.7	1.1	.4	.1											90	90	47	51
46/45	.9	1.6	2.0	1.1	.4	.3												105	105	64	40
44/43	.5	2.1	1.7	.7	.4													91	91	88	40
42/41	.8	2.8	1.9	.9	.3													111	111	110	64
40/39	1.2	3.5	2.3	1.3	.4					.1								144	144	143	88
38/37	.8	3.7	2.6	1.0	.1	.1												136	136	140	104
36/35	.4	2.9	2.0	.8	.3													107	107	120	109
34/33	1.0	2.8	1.9	.9	.1													111	111	145	118
32/31	.6	3.4	2.2	.4														110	110	106	103
30/29	.9	3.2	1.3		.1													92	92	122	114
28/27	.8	2.6	.8	.1														73	73	119	124
26/25	.2	1.1	.7	.1														36	36	64	114
24/23	.2	2.0	.4	.1														45	45	38	93
22/21	.1	.9	.1															18	18	42	68
20/19	.3	.3	.2															13	13	21	61
18/17	.1	.2																6	6	10	46
16/15	.2	.1																4	4	10	37
14/13	.1																	2	2	2	25
12/11		.1																1	1		19
10/9		.1																1	1	1	9
8/7		.1																2	2	1	7
6/5		.1																2	2	4	3
4/3																					2
Element (X)	Σ x <sup>2</sup>	Σ x	Σ	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	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 44 0-26-5 (OL A) REPRODUCED BY THE AIR FORCE DISSEMINATION CENTER



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100  
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						
80/ 79										.1											1	1				
78/ 77										.1												3	3			
76/ 75						.1	.1	.1														5	5			
74/ 73						.1	.1	.1	.1													7	7			
72/ 71				.1	.1	.2	.2	.2	.2	.1	.1											17	17			
70/ 69		.1	.1	.2	.4	.2	.1	.1	.1	.2	.1	.1										28	28			
68/ 67		.1	.2	.1	.2	.2	.1	.2	.2	.1	.2	.1	.1									32	32	3		
66/ 65		.2	.4	.5	.1	.1	.2	.4	.3	.2	.4	.2										43	43	13	2	
64/ 63		.2	.6	.7	.2	.3	.3	.2	.6	.2												57	57	17	10	
62/ 61	.1	.2	.4	.1	.4	.4	.9	.7	.2													57	57	26	13	
60/ 59		.8	.2	.4	.6	.8	.8	.4	.4													71	71	33	19	
58/ 57	.2	1.0	.7	.5	.2	.8	.5	.8	.1													82	82	42	38	
56/ 55	.6	.7	.4	.7	1.2	.7	.8	.4														90	90	56	42	
54/ 53	.3	.7	.5	.5	1.0	1.2	.4	.2														78	78	64	39	
52/ 51	.3	.9	.9	1.0	.8	1.3	.5	.2														92	92	62	31	
50/ 49	.4	.9	1.3	1.3	1.6	1.0	.3	.1														114	114	108	40	
48/ 47	.2	1.1	1.4	1.3	1.0	1.1	.3	.1														108	108	102	48	
46/ 45	.2	1.0	1.1	1.6	2.0	.7																109	109	123	45	
44/ 43		2.1	1.3	1.6	1.4	.5																119	119	134	54	
42/ 41	.4	1.3	1.4	1.7	1.2	.4	.1															106	106	131	95	
40/ 39	.3	1.1	1.7	1.3	.4	.2																82	82	126	110	
38/ 37	.1	1.7	1.2	1.4	.4	.1																81	81	131	90	
36/ 35	.5	1.5	1.0	1.0	.3	.1																71	71	126	111	
34/ 33	.5	1.0	.8	.9	.1																	56	56	89	112	
32/ 31	.2	.9	.8	.7	.1																	46	46	78	117	
30/ 29	.4	.9	.9	.3																		42	42	53	120	
28/ 27	.1	.7	.5	.2																		29	29	56	109	
26/ 25	.2	1.0	.1																			22	22	42	79	
24/ 23	.1	.4	.2																			13	13	24	85	
22/ 21	.1	.2	.1																			7	7	14	64	
20/ 19	.1																					5	5	9	51	
18/ 17		.1	.1																			3	3	2	47	
16/ 15																									4	28
14/ 13		.1																				1	1	1	23	
Element (X)	Σx <sup>2</sup>		Σx		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature																	
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (O.L.A.) REVERSE NUMERICAL EXTENSION OF THE FORM 0-26-5



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point																
90/89																																		1	1	
88/87																									.1									2	2	
86/85																								.1	.1	.1	.1							8	8	
84/83																								.1	.1	.1	.3							12	12	
82/81												.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	16	16		
80/79												.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	19	19		
78/77											.1	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	21	21		
76/75							.1	.1	.1	.1	.1	.4	.2	.1	.4	.5	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	35	35		
74/73					.1	.3	.1	.4	.3	.8	.7	.4	.4	.5	.4	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	46	46		
72/71				.2	.2	.4	.3	.3	.8	.2	.5	.8	.7	.5	1.0	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	71	71		
70/69			.1	.4	.5	.7	.4	.5	.6	.7	.7	.9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	80	80		
68/67			.2	.5	.4	.4	.8	.8	1.1	.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	83	83	10	
66/65			.4	.3	.5	.6	.5	1.0	1.0	.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	86	86	18	
64/63		.1	.4	.2	.3	.3	.8	1.0	1.0	.8	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	81	81	32	
62/61		.3	.3	.4	.3	.2	.8	1.3	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	79	79	55	
60/59	.1	.4	.4	.1	.4	.8	.8	.9	.8	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	78	78	61	
58/57	.1	.2	.4	.2	.6	.9	1.2	1.0	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	83	83	76	
56/55	.2	.3	.3	.4	1.0	.7	1.5	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	90	90	85	
54/53	.2	.7	.7	.9	1.2	1.0	1.6	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	100	100	86	
52/51	.1	.5	.5	1.0	1.1	1.0	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	89	89	107	
50/49	.1	.8	.3	.3	1.1	1.3	.7	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	86	86	162	
48/47	.1	1.1	.4	1.0	1.1	.9	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	90	90	124	
46/45	.1	.7	.7	1.0	.8	.5	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	68	68	132	
44/43	.1	.8	.5	.8	.5	.7	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	63	63	114	
42/41	.2	.6	.4	.5	.4	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	49	49	119	
40/39	.1	.8	.5	.3	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	44	44	123	
38/37	.1	.8	.7	.8	.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	53	53	76	
36/35	.1	1.1	.6	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	43	43	76	
34/33	.1	.3	.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	21	21	48	
32/31	.2	.5	.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	23	23	60	
30/29	.1	.4	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	16	16	39	
28/27	.1	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	14	14	21	
26/25	.1	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	10	10	19	
24/23	.4	.4	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6	6	12	
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	e <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21	.2		.1	.1														5	5	10	70
20/ 19																					41
18/ 17			.1															1	1	1	54
16/ 15																				2	33
14/ 13																					31
12/ 11																					13
10/ 9																					9
8/ 7																					9
6/ 5																					7
4/ 3																					2
2/ 1																					3
0/ -1																					2
-2/ -3																					1
-4/ -5																					1
<b>TOTAL</b>	1.9	1.0	9.2	9.9	11.8	11.9	11.4	11.8	7.6	5.0	3.8	2.4	1.4	.2	.5	.1	1668	1668	1668	1666	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4972690	83000	49.822482	1668			3.8	19.8	0.1	2.5		84
Wet Bulb	5471483	92943	55.713248	1668			8.3	.5				84
Dew Point	3670969	76569	45.99676	1668		.2	37.9					84

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB  
MONTH

PAGE 1 1900-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
90/ 89													.1																			2	2			
88/ 87																																	6	6		
86/ 85														.2									.2	.3	.1	.2	.2	.2	.1				20	20		
84/ 83														.1									.2	.1	.2	.2	.1						13	13		
82/ 81														.1									.1	.1	.2	.2	.1						16	16		
80/ 79														.1									.5	.4	.2	.2	.2	.1					23	23		
78/ 77									.2	.4	.2	.3	.1	.2	.3	.2	.3	.2	.3	.2	.3	.5	.4	.1									39	39		
76/ 75					.1	.2	.3	.3	.4	.5	.4	.5	.2	.7	.4																		56	56		
74/ 73				.1	.1	.3	.2	.2	.4	.6	.8	.5	.4																				59	59		
72/ 71				.1	.4	.5	.5	.3	.6	.8	.7	.8	.2																				87	87		
70/ 69			.1	.4	.5	.7	.7	.4	1.1	.9	.8	.4	.1																				101	101		
68/ 67				.4	.4	.2	.4	.4	1.4	1.0	.9	.4																					86	86	10	
66/ 65				.4	.3	.4	.4	1.0	.8	.9	.4																						69	69	27	
64/ 63		.2	.4	.5	.2	.2	.8	1.5	1.3	.6																							95	95	39	6
62/ 61	.1	.5	.4	.2	.3	.2	1.0	1.0	1.0	.7																							87	87	64	11
60/ 59		.1	.1	.2	.5	.8	.6	1.6	1.1	.5																							92	92	73	38
58/ 57		.1	.1	.4	.4	.7	1.0	1.0	.7																								74	74	80	32
56/ 55		.3	.4	.4	.2	1.0	.9	1.2	.7	.4																							90	90	89	39
54/ 53		.2	.5	.4	.9	1.0	1.3	.8	.2																								89	89	98	34
52/ 51		.8	.5	.6	.9	1.1	1.1	.4																									86	86	142	50
50/ 49		.4	.4	.5	.8	.7	.6	.2	.1																								62	62	130	36
48/ 47		.9	.4	.8	1.1	.8	.4	.2																									77	77	128	63
46/ 45	.2	.6	.7	.7	.4	.8	.4	.1																									66	66	134	64
44/ 43	.1	.5	.2	.8	.6	.8	.2																										53	53	116	53
42/ 41	.1	1.0	.2	.4	.5	.4																											42	42	121	84
40/ 39		.3	.3	.6	.4	.4																											33	33	100	88
38/ 37	.2	.7	.7	.5	.2	.1																											40	40	54	98
36/ 35	.1	.5	.3	.3	.1																												21	21	76	101
34/ 33	.1	.5	.4	.4	.1																												23	23	53	108
32/ 31	.3	.2	.2	.1																													13	13	34	118
30/ 29		.2	.2																														7	7	25	89
28/ 27	.1	.4	.1																														9	9	16	81
26/ 25	.1	.5																															10	10	17	98
24/ 23		.4		.2																													9	9	8	88
Element (X)	Σ X <sup>2</sup>			Σ X			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) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21		.1																1	1	4	62
20/ 19																				3	65
18/ 17																				1	49
16/ 15																					35
14/ 13																					16
12/ 11																					18
10/ 9																					12
8/ 7																					12
6/ 5																					3
4/ 3																					3
2/ 1																					3
0/ -1																					4
-2/ -3																					2
TOTAL	1.3	9.4	6.6	9.6	9.0	11.4	11.3	11.2	10.3	7.6	4.5	3.5	2.5	.8	.7	.4	.1	1664	1664	1663	
																		1664	1664		

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.	4366478	76582	46.022,300	1664								
Dry Bulb	5949231	96983	58.313,350	1664		2.6	25.8	12.0	3.8			84
Wet Bulb	3851218	78498	47.2 9,430	1664		8.9	.5					84
Dew Point	2237409	97313	34.912,360	1663	.3	38.3						84

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





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300

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															
78/77						.1	.1	.1					.1	.1				6	6																
76/75													.1	.1				1	1																
74/73															.1			1	1																
72/71					.1													1	1																
70/69				.2	.2	.1	.1		.1	.1								12	12																
68/67			.1	.2	.1	.1	.1		.1	.1								13	13	2															
66/65		.3	.5	.1	.2	.2	.1	.1	.3	.2	.1							33	33																
64/63		.3	.6	.2	.3	.2	.1	.2	.3	.2								37	37	13	2														
62/61	.1	.9	.6	.4	.5	.3	.4	.1	.3	.1								53	53	24	11														
60/59	.3	1.0	.7	.6	.6	.4	.5	.5	.1									78	78	42	34														
58/57	.1	.4	.4	.4	.9	.9	.6	.3	.1	.1								78	78	30	36														
56/55	.2	1.0	.7	1.1	.5	.6	.6	.5	.1									86	86	53	24														
54/53	.6	1.4	.9	1.1	1.3	.9	.4											108	108	69	35														
52/51		.3	1.2	1.4	1.1	1.0	.7	.1										92	92	59	48														
50/49	.1	.8	1.1	1.4	1.9	.6	.3											99	99	85	32														
48/47	.4	1.3	1.7	1.4	1.9	.6												117	117	102	64														
46/45	.2	2.2	2.0	1.3	1.6	.4	.1											130	130	133	63														
44/43	.1	1.6	2.3	1.4	1.4	.3												113	113	118	71														
42/41	.3	.9	1.7	1.0	1.4	.2												88	88	147	78														
40/39	.1	1.9	2.3	1.2	1.0	.1												107	107	129	90														
38/37	.2	1.2	1.7	1.2	.4	.2												79	79	129	92														
36/35	.1	1.3	1.4	1.3	.4													75	75	108	123														
34/33	.2	1.2	1.4	.6														57	57	86	98														
32/31	.3	1.5	.5	.3														42	42	87	101														
30/29	.1	1.1	.6	.6														39	39	77	122														
28/27	.1	.7	.4	.1														21	21	36	108														
26/25	.2	.6	.2															16	16	39	78														
24/23	.1	.6	.3															16	16	11	82														
22/21	.1	.7																13	13	20	51														
20/19																				12	49														
18/17																					45														
16/15																					22														
14/13			.1															1	1		12														
12/11			.1															2	2		22														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

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
76/ 75						.1												1	1		
74/ 73					.1	.1												2	2		
72/ 71			.1	.2	.1	.1									.1			9	9		
70/ 69		.2	.6	.7	.4	.2			.1	.1	.1							43	43		
68/ 67		.2	.7	.7	.3	.1			.3						.1			40	40	8	1
66/ 65		1.0	.7	.2	.2	.2	.2	.2	.1	.1	.1							54	54	34	11
64/ 63	.1	.9	1.0	.3	.3	.3	.3	.2	.1	.2								63	63	42	34
62/ 61	.1	.9	.9	.4	.1	.2	.3	.2	.2	.1								60	60	47	36
60/ 59	.2	.6	.9	.7	.6	.5	.4	.1	.1									72	72	60	48
58/ 57	.2	1.2	.6	1.5	1.2	.9	.7	.2	.1	.1								111	111	41	53
56/ 55	.6	1.2	1.0	1.5	.9	.7	.8	.1	.1									120	120	67	47
54/ 53	.1	.6	.9	1.1	1.9	1.1	.3	.1										108	108	59	43
52/ 51	.1	.9	.9	1.4	1.0	1.1	.5	.1										104	104	93	78
50/ 49	.3	1.6	1.4	1.5	1.5	1.1	.2											134	134	105	51
48/ 47	.2	1.2	1.4	1.4	1.5	.5	.1											110	110	104	79
46/ 45	.1	1.1	1.6	2.3	1.8	.6	.1											133	133	154	72
44/ 43	.3	.9	1.9	1.3	1.1	.2	.1											103	103	125	79
42/ 41	.5	1.0	1.8	1.9	.9	.1												109	109	133	95
40/ 39	.2	1.5	1.4	1.1	.9	.1												84	84	154	96
38/ 37	.1	1.0	1.4	1.1	.3													69	69	126	110
36/ 35	.1	1.2	1.3	.5	.1													55	55	100	106
34/ 33	.1	.6	2.2	.7														63	63	85	119
32/ 31	.2	1.3	.8	.5														48	48	70	104
30/ 29	.1	.2	1.0	.2														24	24	64	99
28/ 27	.1	.6	.3	.1														19	19	34	100
26/ 25		.2	.3	.2														12	12	28	95
24/ 23		.1																2	2	8	66
22/ 21		.1																2	2	9	48
20/ 19	.1	.2																4	4	5	37
18/ 17																				3	27
16/ 15																					24
14/ 13																					20
12/ 11																					8
10/ 9																					3
Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 95 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) JAN 64 REVERSED NUMBERS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR

STATION

STATION NAME

YEARS

PAGE 2 0000-0200

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		
8/7																					2		
6/5																					1		
4/3																					2		
<b>TOTAL</b>	3.7	20.4	25.7	21.0	14.8	7.6	3.9	1.4	.7	.5	.2							1758	1758	1758	1794		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8590807	118743	67.5	18.017	1758							
Dry Bulb	4437908	86340	49.1	10.602	1758		3.9	3.0	.2			93
Wet Bulb	3592907	77489	44.1	10.047	1758		11.7	.4				93
Dew Point	2793065	66457	37.9	12.527	1754		33.7	.1				93

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-63,67-70

MAR  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
72/ 71				.1													1	1		
70/ 69		.1	.4	.4													18	18		
68/ 67		.3	.4	.3	.1			.1	.1								23	23	6	1
66/ 65		.7	1.3	.4	.1		.1	.2			.1						56	56	14	7
64/ 63		1.0	1.2	.4	.2	.1	.2	.2	.1								59	59	39	10
62/ 61	.2	1.3	1.4	.2	.2	.2	.1	.1	.1								66	66	59	58
60/ 59	.1	.9	.8	.4	.4	.4	.2	.1	.1	.1							61	61	56	42
58/ 57	.1	1.2	1.0	.9	.4	.2	.2	.2	.1	.1							82	82	50	55
56/ 55	.4	.9	2.2	.8	.6	.9	.3	.2	.1								117	117	50	51
54/ 53	.3	1.3	1.0	.9	.6	.5	.2	.1									89	89	59	46
52/ 51	.3	1.0	.9	1.4	.6	.8	.1										93	93	103	42
50/ 49	.4	1.9	2.0	1.2	.8	.4	.1	.1									123	123	99	79
48/ 47	.1	1.1	1.5	1.6	.7	.7	.1										103	103	91	63
46/ 45	.2	2.1	1.4	2.1	1.1	.2											131	131	121	71
44/ 43	.2	2.2	2.3	2.0	1.5	.2											156	156	139	73
42/ 41	.4	1.5	1.6	1.5	.6		.1										105	105	131	107
40/ 39	.3	1.5	2.0	1.9	.3	.2											111	111	138	103
38/ 37	.2	1.6	1.3	1.3	.2	.1											88	88	138	94
36/ 35	.1	1.8	1.4	.8	.1												73	73	129	111
34/ 33	.3	1.7	1.8	.5													78	78	100	90
32/ 31	.4	1.8	1.5	.3													73	73	87	128
30/ 29	.2	1.3	.8	.1													43	43	99	102
28/ 27	.1	.8	1.0														34	34	47	117
26/ 25	.1	.5	.3														16	16	38	109
24/ 23		.2	.2														7	7	22	72
22/ 21		.2	.2														7	7	9	41
20/ 19	.1	.1															4	4	11	47
18/ 17		.2															3	3	2	37
16/ 15																			3	21
14/ 13																				26
12/ 11																				7
10/ 9																				2
8/ 7																				5
6/ 5																				3
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR  
 MONTH

PAGE 2 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 3																					3
TOTAL	4.4	29.2	30.2	19.7	8.6	4.9	1.5	1.0	.3	.2	.1	.1						1824	1824	1823	
																	1824		1824		
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	9921847	130903	71.8	17.007	1824	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	4199747	85299	46.8	10.752	1824		9.5	2.1				93									
Wet Bulb	3518345	77853	42.7	10.352	1824		16.2	.3				93									
Dew Point	2537925	68161	37.4	12.594	1823		36.7	.1				93									

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR

STATION

STATION NAME

YEARS

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					
72/ 71			.2	.2					.1									8	8							
70/ 69		.1	.2	.4	.1	.1			.1									16	16							
68/ 67		.2	.8	.1	.1	.1			.1	.1								27	27	6	2					
66/ 65		.5	1.6	.4	.1		.1	.1	.1									51	51	15	4					
64/ 63	.1	1.0	1.3	.3	.1	.1	.1	.1	.1									59	59	36	12					
62/ 61	.2	1.6	1.2	.2	.3	.2	.1	.2	.1									73	73	59	45					
60/ 59	.2	1.0	.5	.3	.4	.2	.2	.1	.1	.1								55	55	62	64					
58/ 57	.2	.9	1.3	.4	.4	.3	.1	.2	.1									73	73	50	52					
56/ 55	.1	1.2	2.2	.8	.7	.4	.4	.2										109	109	36	51					
54/ 53	.4	1.3	1.3	1.0	.6	.8	.3	.1										109	109	82	34					
52/ 51	.3	1.6	.8	1.1	.6	.8	.1											98	98	89	64					
50/ 49	.4	1.7	1.3	.8	.9	.5	.1	.1										103	103	103	72					
48/ 47	.2	1.5	1.4	2.0	1.5	.2	.2											136	136	91	66					
46/ 45	.2	1.8	1.4	1.1	1.3	.4												114	114	100	75					
44/ 43	.6	2.2	1.8	2.3	.7	.1												141	141	147	86					
42/ 41	.2	1.7	2.2	1.4	.5	.1												112	112	137	80					
40/ 39	.3	2.0	1.7	1.3	.5	.1												109	109	134	100					
38/ 37	.1	1.9	1.7	1.0	.5													95	95	142	96					
36/ 35	.1	1.0	1.4	1.2	.3													73	73	117	107					
34/ 33	.1	1.9	2.6	.7	.1													88	88	86	94					
32/ 31	.3	2.0	1.4	.3														67	67	107	131					
30/ 29	.1	1.3	.6															40	40	86	114					
28/ 27	.2	1.0	.4	.1														30	30	65	94					
26/ 25	.1	.9	.5	.1														27	27	29	101					
24/ 23		.3	.1															6	6	23	85					
22/ 21		.2	.1	.1														6	6	11	51					
20/ 19		.2																4	4	6	45					
18/ 17	.1	.1																3	3	8	31					
16/ 15		.1																1	1	1	20					
14/ 13	.1																	1	1	2	17					
12/ 11																					12					
10/ 9																					3					
8/ 7																					3					
6/ 5																					6					
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																				
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR  
MONTH

PAGE 1 0900-1100  
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
88/ 87													.1					1	1		
86/ 85													.2					3	3		
84/ 83												.1	.1	.1				5	5		
82/ 81												.1	.1	.1	.1			5	5		
80/ 79								.2	.2	.2	.1	.1	.1	.1	.1			16	16		
78/ 77					.1	.3	.3	.2	.1	.1	.2	.1	.1	.1				23	23		
76/ 75					.1	.5	.2	.2	.2	.3	.3	.2						36	36		
74/ 73				.2	.5	.5	.2	.3	.2	.1	.3	.2						46	46		
72/ 71				.5	.7	.5	.2	.3	.2	.3	.3	.1						59	59		
70/ 69			.3	.6	.5	.7	.3	.3	.4	.3	.4							74	74	1	
68/ 67		.1	.3	.5	.4	.4	.5	.3	.2	1.0	.3	.1						78	78	23	
66/ 65		.2	.6	.6	.8	.4	.4	.4	.4	.4	.2							80	80	53	6
64/ 63		.1	.5	1.1	.9	.6	.7	.9	.8	.5	.1							112	112	54	23
62/ 61	.1	.3	.7	.7	.9	.6	.7	.8	.9	.2								109	109	56	43
60/ 59	.1	.7	.3	.4	.7	1.0	.9	.8	.6	.2								110	110	77	58
58/ 57		.2	.8	1.0	.9	.8	1.6	1.0	.3	.1								126	126	82	40
56/ 55		.5	1.0	.7	.9	1.1	1.1	.4	.3									110	110	100	55
54/ 53		.5	.9	.8	1.1	1.1	.9	.4										107	107	99	69
52/ 51	.1	.6	.7	.5	1.1	1.1	.5	.3										90	90	116	61
50/ 49	.3	.5	.8	1.0	1.0	.9	.5	.1										92	92	140	75
48/ 47	.1	.4	1.4	1.0	.9	.6	.3											84	84	129	84
46/ 45	.2	.9	1.2	1.2	.8	.7	.1											95	95	159	73
44/ 43	.2	.6	.6	1.1	1.1	.7	.1	.1										81	81	150	69
42/ 41	.1	.7	.8	1.0	.9	.4	.1											70	70	116	82
40/ 39		.5	1.2	1.1	.7	.1												63	63	107	119
38/ 37		.4	.7	1.4	.3	.1												51	51	84	86
36/ 35		.4	.9	.6	.1													37	37	81	88
34/ 33	.1	.5	.4	.4														26	26	79	101
32/ 31	.4	.1	.4	.4														24	24	60	127
30/ 29		.1	.3	.1														9	9	24	110
28/ 27	.1	.3	.4	.1														19	19	22	89
26/ 25		.2		.1														4	4	14	84
24/ 23		.1	.1															4	4	9	65
22/ 21		.1																1	1	3	59
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 (OL A) REVERSED MIRROR IMAGES OF THE FORM ARE OBSOLETE  
 USAFETAC JAN 64



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION <sup>1</sup> (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			
96/95																	.1	1	1					
94/93																	.1	2	2					
92/91												.1		.1	.1	.1		5	5					
90/89											.1	.1	.1	.1	.1	.2		13	13					
88/87									.1	.1	.1	.1	.1	.1	.1	.1	.1	15	15					
86/85								.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	31	31					
84/83								.2	.2	.4	.3	.2	.3	.1	.1	.1		31	31					
82/81						.1	.1	.4	.4	.1	.2	.5	.2	.2	.2	.2		41	41					
80/79						.1	.4	.4	.2	.2	.6	.4	.4	.3				58	58					
78/77						.3	.4	.5	.4	.3	.4	.5	.9	.2				71	71					
76/75					.2	.5	.8	.2	.6	.5	.7	1.0	.3	.1				89	89					
74/73			.1		.3	.3	.5	.5	.5	.7	.8	.6	.3					86	86					
72/71				.3	.1	.4	.7	.4	.4	.7	1.4	.8						95	95	2				
70/69			.4	.1	.2	1.0	.7	.7	.9	1.0	1.0	.5						116	116	14				
68/67			.2	.5	.1	.4	.9	.7	.9	1.1	.8	.1	.1					107	107	46				
66/65		.1	.3	.4	.7	.8	.5	.8	1.3	1.6	.6			.1				135	135	66	6			
64/63		.1	.1	.2	.5	.5	1.0	1.3	1.4	1.2	.3	.1						121	121	64	23			
62/61		.2	.2	.1	.2	.6	.5	1.0	.7	.4	.1							72	72	91	25			
60/59	.1	.2	.3	.7	.4	.6	.9	1.0	.3	.3								92	92	103	34			
58/57		.1	.3	.3	.2	.7	.9	1.0	.7	.4								79	79	102	47			
56/55		.2	.3	.3	.7	.4	.5	.6	.3	.3								65	65	123	65			
54/53	.1	.5	.6	.3	.5	.7	.5	.6	.1									71	71	143	52			
52/51	.1	.3	.4	.4	.9	.5	.5	.4	.1									61	61	153	66			
50/49	.1	.3	.7	.6	.5	1.1	.8	.1	.1									80	80	171	63			
48/47	.1	.4	.4	.5	.8	1.0	.4											66	66	150	77			
46/45		.6	.2	.3	.7	.3	.1	.1										41	41	130	80			
44/43		.5	.4	.4	.2	.8	.1											45	45	77	86			
42/41	.1	.3	.4	.5	.3	.3												36	36	93	87			
40/39		.2	.4	.2	.4	.2												26	26	67	110			
38/37		.3	.7	.2	.3													26	26	58	84			
36/35		.5	.1	.2	.2													18	18	48	94			
34/33	.1	.5	.3	.3	.1													22	22	38	106			
32/31	.2	.2	.2	.1														11	11	34	109			
30/29			.1	.1														3	3	19	106			
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAR  
MONTH

STATION

STATION NAME

YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31		Dry Bulb	Wet Bulb	Dew Point
28/27	.1	.3																6	6	12	109
26/25																				5	77
24/23																				1	61
22/21																					58
20/19																					62
18/17																					41
16/15																					28
14/13																					23
12/11																					17
10/9																					6
8/7																					6
6/5																					2
4/3																					2
-2/-3																					2
-8/-9																					1
-10/-11																					1
TOTAL	.8	5.7	6.8	6.9	8.2	11.9	11.3	10.9	10.1	9.0	7.3	5.4	2.9	1.6	.8	.3	.2	1837	1837	1837	1836
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	4332138	80472	42.820	964	1837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	7517602	114980	62.613	219	1837		1.0	38.5	22.4	8.4	.2	93									
Wet Bulb	4794661	92231	50.2	9.450	1837		3.8	3.1				93									
Dew Point	2860009	68395	37.312	042	1836	.2	36.0					93									

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943  
STATION

FT WOLTERS AAF TEX/MINERAL WELLS  
STATION NAME

49-65,67-70  
YEARS

YEAR

MAR  
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
96/ 95																	.1	1	1		
94/ 93																	.1	3	3		
92/ 91																	.1	10	10		
90/ 89											.1	.2	.7	.2	.1	.3	.1	29	29		
88/ 87											.1	.2	.3	.3	.3	.2	.1	33	33		
86/ 85								.1	.1	.2	.5	.5	.4	.4	.1	.2		46	46		
84/ 83								.1	.1	.2	.2	.3	.3	.4				33	33		
82/ 81							.2	.3	.3	.2	.2	.7	.4	.2	.1			46	46		
80/ 79						.1	.4	.5	.5	.3	.3	.4	.3	.4	.2			66	66		
78/ 77					.1	.3	.6	.3	.6	.6	.3	.8	.9	.6	.1			93	93		
76/ 75					.1	.2	.6	.2	.5	.9	1.0	1.0	.7	.1				89	89		
74/ 73			.1	.1	.2	.5	.4	.6	.5	.7	1.0	.9	.3					98	98		
72/ 71			.1	.2	.2	.7	.4	.6	.8	1.5	1.4	1.0	.2					129	129	3	
70/ 69		.1	.1	.2	.1	.4	.7	1.0	.8	1.0	1.9	1.0						130	130	18	
68/ 67			.2	.4	.4	.5	.8	1.0	1.4	1.4	1.0	.2						133	133	48	3
66/ 65		.1	.2	.2	.2	.2	.9	.9	1.3	1.1	.3							98	98	78	10
64/ 63		.1	.2	.2	.4	.4	.5	.9	.6	.9	.4	.1						77	77	69	14
62/ 61		.4	.3	.1	.2	.5	.5	.4	.5	.2								59	59	94	20
60/ 59		.1	.4	.2	.2	.5	.6	1.0	.9	.4								80	80	125	36
58/ 57		.2	.2	.4	.7	.7	1.0	.6	.9	.2								89	89	98	41
56/ 55	.2	.2	.2	.3	.7	.4	.7	.8	.4									70	70	136	71
54/ 53	.1	.2	.2	.4	.3	.4	.7	.5	.1									94	94	172	59
52/ 51	.1	.5	.3	.5	.3	.7	.7	.3	.2									65	65	168	53
50/ 49	.1	.2	.1	.3	.3	.6	.8	.1										49	49	161	65
48/ 47	.1	.3	.3	.4	.7	.4	.3											49	49	123	74
46/ 45	.2	.8	.2	.1	.4	.5	.3											45	45	117	83
44/ 43		.4	.3	.5	.4	.6												40	40	82	92
42/ 41	.2	.3	.2	.7	.3													31	31	91	83
40/ 39		.2	.3	.1	.2	.1												16	16	60	108
38/ 37	.1	.3	.3	.1	.4	.1												21	21	54	101
36/ 35	.1	.5	.1	.1	.2													16	16	51	112
34/ 33	.1	.3	.3	.1														14	14	23	98
32/ 31	.2	.1	.2															9	9	22	83
30/ 29		.3																6	6	19	115
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.						≤ 0 F	≤ 12 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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









4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-63,67-70

MAR  
MONTH

PAGE 1 2100-2300  
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
80/79								.1	.1								2	2		
78/77							.2	.1	.1								7	7		
76/75						.5	.2	.1	.1			.1					15	15		
74/73				.1	.6	.2	.3	.2	.1	.1	.1						31	31		
72/71			.1	.5	.7	.4	.1	.2	.2	.3							45	45		
70/69		.2	.4	.7	.5	.3	.3	.3	.3	.2	.1	.1					59	59		
68/67		.4	.6	.9	.4	.1	.3	.3	.4	.1	.3	.1					72	72	10	1
66/65	.1	.4	.5	.7	.3	.5	.3	.6	.2	.2	.1	.1					65	65	63	10
64/63		.7	.7	.6	.6	.5	.3	.4	.3	.2	.1						74	74	47	30
62/61	.1	.5	.6	.6	.5	.6	.7	.6	.3								84	84	55	51
60/59	.1	.7	.4	.5	1.1	1.5	1.1	.6	.3	.1							110	110	63	52
58/57	.3	.8	.6	.7	1.2	1.6	1.4	.7	.2								135	135	65	47
56/55	.6	.6	1.1	1.2	1.2	1.6	1.2	.6									144	144	81	70
54/53		.3	.6	1.1	1.1	1.2	.9	.2	.1								99	99	71	42
52/51	.1	.7	.9	1.2	1.3	1.1	.7	.1									108	108	107	32
50/49	.3	1.1	.9	1.2	1.3	.9	.6	.1									114	114	124	60
48/47	.1	.8	.7	1.1	1.6	1.0	.3										97	97	150	86
46/45	.1	.8	1.3	1.8	1.3	.9		.1									106	106	150	72
44/43	.2	1.2	1.1	1.3	1.0	.9	.1										98	98	135	77
42/41	.2	.7	.9	1.4	.5	.1											66	66	131	102
40/39	.1	.5	1.2	1.1	.5	.1											61	61	124	97
38/37		.7	1.0	.8	.8												58	58	104	129
36/35		.4	.8	.9	.1												33	33	81	110
34/33		.3	.7	.6	.1												29	29	58	97
32/31	.3	.8	.5	.1													31	31	49	109
30/29	.1	.2	.4	.1													14	14	48	103
28/27		.2	.2														7	7	24	95
26/25		.1	.1	.1													4	4	12	76
24/23		.1															1	1	3	58
22/21		.1															2	2	3	52
20/19																			3	35
18/17																				27
16/15																				23
14/13																				16
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		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				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR  
 MONTH

PAGE 1 0000-0200  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
78/77				.2	.1	.1																										6	6				
76/75			.4	.5	.1	.1																										18	18				
74/73			.6	.9	.5	.5	.1		.1		.2																				46	46		1			
72/71		.5	1.7	2.2	1.0	.9	.2	.2	.1	.1	.1																				112	112		14			
70/69		1.3	2.3	2.1	.7	.9	.4	.2	.9	.2																						141	141		33		
68/67		2.1	1.9	1.9	1.0	1.0	.2	.2	.2		.1	.1																				144	144		86		
66/65	.3	2.2	2.1	1.7	.9	.9	.9	.9	.1	.1	.1																					154	154		140		
64/63	.4	2.0	1.0	.6	.8	.8	.2	.2	.1	.1																						108	108		125		
62/61	.3	2.7	1.1	.8	.7	1.1	.5	.2	.1																								134	134		132	
60/59	.6	2.5	1.1	1.1	1.3	.8	.6	.3	.1																								147	147		137	
58/57	.5	1.3	1.0	1.4	.6	.6	.9	.1																									109	109		120	
56/55	.3	1.4	1.6	1.4	.7	.4	.2																										107	107		104	
54/53	.1	.8	1.8	1.0	.8	.9	.1																										88	88		94	
52/51	.2	.7	1.4	1.1	1.3	.6	.1																										94	94		146	
50/49	.1	1.3	1.3	1.4	1.1	.9																											99	99		119	
48/47	.1	1.1	1.2	.9	1.3	.1																											80	80		111	
46/45	.1	.3	1.1	1.1	.7	.1																											61	61		98	
44/43		.7	1.0	.9	.2																												43	43		70	
42/41		.6	.6	.9	.2																												33	33		93	
40/39		.3	.1	.7	.1																												22	22		64	
38/37		.1	.1	.2																													6	6		29	
36/35			.2																														4	4		20	
34/33			.1																														1	1		14	
32/31		.1																															2	2		4	
30/29																																				3	
28/27																																					
26/25																																					
24/23																																					
22/21																																					
20/19																																					
16/15																																					
TOTAL	3,222	123	321	714	0	8.1	3.9	2.0	1.0	.9	.3	.2	.1																					1755	1755		1754
Element (X)	Zx'	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.	9683907	126815	72.3	17.224	1755	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb	6338200	104260	59.4	9.072	1755			.1	23.9	3.6																										90	
Wet Bulb	9312424	93216	54.3	9.141	1755			.4	6.9	.1																										90	
Dew Point	4569434	87160	49.7	11.658	1754			7.6	3.4																											90	

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

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
78/ 77				.1														1	1	
76/ 75			.4	.1														9	9	
74/ 73			.1	.2	.1													5	5	
72/ 71		.4	1.6	.6	.2				.1		.1							52	52	10
70/ 69		1.6	3.1	1.2	.3				.1	.1								112	112	18
68/ 67	.1	2.3	2.5	1.2	.3	.2			.2	.1								122	122	77
66/ 65	.4	2.9	1.9	1.1	.4	.2	.3	.1	.1	.1								134	134	127
64/ 63	.7	2.9	1.8	1.1	.4	.4	.3	.4	.1	.1								149	149	122
62/ 61	.7	2.6	1.6	1.1	.5	.4	.2	.1	.1	.1								132	132	131
60/ 59	.8	3.2	.9	1.7	1.1	.4	.4	.1	.1	.1								153	153	127
58/ 57	.8	2.5	1.3	1.3	.8	.3	.3	.1	.1									136	136	119
56/ 55	.6	1.3	1.3	1.7	1.0	.4	.3											118	118	112
54/ 53	.2	1.4	2.0	.8	.6	.6	.1											100	100	101
52/ 51	.5	1.9	1.3	1.4	.8	.1	.1											108	108	114
50/ 49	.4	1.0	1.1	1.0	.9	.3												84	84	146
48/ 47	.3	1.8	1.4	.9	.4	.1												88	88	95
46/ 45	.2	1.6	1.2	1.7	.5	.1												94	94	109
44/ 43	.1	.5	1.1	1.3	.2													58	58	97
42/ 41		1.1	1.8	.7	.1													51	51	99
40/ 39		1.1	.2	.7	.2													41	41	87
38/ 37		.4	.6	.3														24	24	70
36/ 35	.1	.1	.5	.1														12	12	22
34/ 33	.1	.1	.1															4	4	30
32/ 31		.2	.1															4	4	14
30/ 29		.1																1	1	4
28/ 27																				1
26/ 25																				25
24/ 23																				16
22/ 21																				9
20/ 19																				2
18/ 17																				2
16/ 15																				1
TOTAL	5.9	30.7	27.1	20.1	8.9	3.6	1.9	.9	.4	.2	.2							1792	1792	1792

USAFETAC FORM 164 JUL 64 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature						
Rel Hum.	11073167	137973	77.0	15.847	1792	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5970047	102113	57.0	9.192	1792		.3	15.1	.8			90
Wet Bulb	5196436	94976	53.0	9.531	1792		1.0	5.3				90
Dew Point	4601867	88339	49.3	11.745	1792		8.5	2.6				90

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
78/ 77				.1																													2	2				
76/ 75			.3	.2	.1																													11	11			
74/ 73		.1	.6	.5	.2	.1		.1	.1																									27	27	2		
72/ 71		.3	1.2	1.0	.6	.2		.1	.1																									60	60	8	2	
70/ 69		1.7	3.1	1.6	.3	.3	.1	.1	.1	.1	.1																							131	131	26	12	
68/ 67	.1	2.6	2.7	1.1	.5	.1	.2	.1	.1	.1	.1																							135	135	87	43	
66/ 65	.3	2.7	2.2	1.1	.2	.4	.5	.1	.3	.1	.1																							143	143	136	100	
64/ 63	.5	3.2	2.2	.8	.2	.4	.4	.2	.1	.1	.1																							143	143	132	127	
62/ 61	.2	2.6	1.4	.6	.8	.6	.6	.4	.2																									131	131	142	125	
60/ 59	1.0	2.7	2.1	1.3	1.2	.6	.2	.1	.1																									164	164	130	137	
58/ 57	.7	1.4	1.4	1.0	1.2	.4	.4	.1	.1																									121	121	102	123	
56/ 55	.3	1.0	2.1	1.4	1.0	.8	.3	.1																										124	124	98	82	
54/ 53	.1	1.4	1.9	1.0	.9	.4																												102	102	103	62	
52/ 51	.2	1.5	1.3	1.1	1.1	.4	.2																											102	102	131	73	
50/ 49	.3	1.8	1.1	1.6	.8	.3																												103	103	146	77	
48/ 47	.2	.9	.6	1.0	.8	.1																												64	64	101	110	
46/ 45	.1	1.1	1.0	1.1	.4	.1																												66	66	102	105	
44/ 43		.6	1.4	1.0	.2																													56	56	96	80	
42/ 41		.5	1.0	.6																														37	37	63	73	
40/ 39		.7	.9	.3	.1																													39	39	75	82	
38/ 37		.1	.3	.4																														13	13	43	75	
36/ 35	.1	.1	.2	.1																														8	8	27	76	
34/ 33	.1	.1	.1																															5	5	17	57	
32/ 31		.2	.1																															4	4	10	52	
30/ 29																																					6	41
28/ 27																																					21	
26/ 25																																					26	
24/ 23																																					17	
22/ 21																																					6	
20/ 19																																					2	
18/ 17																																					1	
TOTAL	4,026	9,29	1,118	810	79	9	1	2	9	1	1	0	.2	.1																				1789	1789	1787		
																																			1789		1789	
Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature																																
Rel Hum.	10596284	134460	73.2	16.560	1789	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	6186087	103947	58.1	9.049	1789			.2	16.4	2.0		90																										
Wet Bulb	8311597	96023	53.7	9.389	1789			.8	6.2	.1		90																										
Dew Point	4648913	88663	49.6	11.823	1787			8.4	2.9			90																										

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



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-63,67-70

APR  
MONTH

PAGE 1 0900-1100  
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
90/ 89								.1							.1		2	2	
88/ 87															.1		2	2	
86/ 85								.2		.2	.1				.1		10	10	
84/ 83						.1	.1	.2	.1	.1				.2	.1		14	14	
82/ 81					.1	.4	.6	.5	.2	.3	.2	.3		.1	.1		48	48	
80/ 79				.1	.4	1.1	.7	.5	.1	.1	.3	.3		.2			65	66	
78/ 77				.4	1.3	1.5	.8	.5	.2	.5	.7	.4					113	113	
76/ 75			.1	1.3	1.7	1.0	1.0	.3	.4	.4	.3	.3					122	122	
74/ 73			.6	1.5	2.0	1.2	.9	.4	.4	.9	.4	.3					154	154	7
72/ 71		.3	1.2	1.3	1.7	.9	.4	.5	.4	.6	.3						136	136	27
70/ 69	.1	.7	1.5	1.2	1.4	.5	.7	1.3	.9	.8	.2	.1					168	168	117
68/ 67	.2	.8	1.1	1.3	.6	.4	1.0	1.0	.9	.7	.2						148	148	153
66/ 65	.1	1.1	1.3	1.0	.6	1.0	.8	.8	.5	.3	.1						137	137	159
64/ 63		.8	.9	.7	.4	.9	.7	.7	.6	.3							107	107	140
62/ 61	.1	.8	.4	.8	.8	.7	.7	.8	.2	.1							97	97	127
60/ 59	.1	.6	.4	.6	.9	.9	.7	.6	.4								95	95	117
58/ 57	.1	.3	.3	.6	.8	.6	.8	.4	.1								75	75	115
56/ 55		.4	.5	.3	1.0	.8	.7	.2	.1								72	72	133
54/ 53		.9	.5	.4	.6	.9	.6	.2									74	74	129
52/ 51	.2	.5	.5	.6	.8	.2	.2	.2									59	59	134
50/ 49	.1	.3	.3	.5	.8	.4	.1										45	45	105
48/ 47			.4	.3	.5	.2											24	24	98
46/ 45		.1	.2	.1	.1	.1											10	10	76
44/ 43		.2		.1	.1	.1											8	8	63
42/ 41				.1													1	1	38
40/ 39			.1														2	2	23
38/ 37		.1															1	1	11
36/ 35			.2														3	3	3
34/ 33																			1
32/ 31																			3
30/ 29																			
28/ 27																			
26/ 25																			
24/ 23																			
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	Total							
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb
96/95											.1					.1	.2	6	6	
94/93											.1	.1	.1			.1	.2	8	8	
92/91											.1	.1	.2		.3	.2		19	19	
90/89											.1	.2	.1	.1	.2	.1	.2	17	17	
88/87											.2	.4	.3	.4	.1			66	66	
86/85						.1	.2	.6	1.0	.9	.6	.7	.7	.7	.3	.1		105	105	
84/83					.1	.3	.5	1.6	1.1	.8	.3	.7	.7	.6	.1			120	120	
82/81					.4	.6	1.1	1.6	.9	.3	.3	.9	.6	.2				121	121	
80/79				.1	.8	1.3	1.7	.9	1.0	.5	.6	.8	.6	.3				154	154	
78/77				.3	.6	1.1	.9	1.2	.6	.4	.6	.3	.6	.1				120	120	
76/75				.7	.9	.7	.8	.4	.8	.7	1.4	.7	.1					131	131	9
74/73			.4	.8	1.5	1.2	.3	.8	.8	.9	.7	.4	.2					143	143	29
72/71			.5	.8	1.3	.5	.6	.7	.6	.9	.8	.2	.1					127	127	76
70/69		.3	.6	.6	.8	.6	.6	.7	.8	.7	.5	.2						113	113	170
68/67		.4	.4	.5	.1	.2	.6	.8	.7	.6	.2							79	79	171
66/65	.1	.6	.3	.2	.3	.2	.7	.9	.7	.8								88	88	154
64/63	.1	.3	.2	.6	.1	.7	.5	.6	.7	.7								70	70	166
62/61	.1	.3	.3	.4	.2	.6	.2	.4	.4	.2								55	55	129
60/59	.2	.2	.2	.9	.4	.6	.4	.6	.6									66	66	130
58/57		.2	.4	.2	.3	.2	.8	.5	.2									52	52	126
56/55	.1	.6	.4	.1	.3	.6	.3	.3	.1									49	49	125
54/53	.1	.3	.2	.2	.6	.3	.4	.2										41	41	134
52/51		.2	.4	.5	.3	.1												27	27	106
50/49		.2	.1			.1												6	6	77
48/47			.1															1	1	74
46/45																				66
44/43		.2																3	3	28
42/41				.1														1	1	16
40/39			.1	.1														2	2	5
38/37			.1	.1														2	2	90
36/35		.1																1	1	5
34/33																				1
32/31																				
30/29																				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR

STATION

STATION NAME

YEARS

MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
100/99																		.1	1	1				
98/97																		.1	2	2				
96/95																		.1	11	11				
94/93																		.2	22	22				
92/91																		.1	22	22				
90/89																		.1	59	59				
88/87																		.1	100	100				
86/85																		.3	120	120				
84/83																		.2	114	114				
82/81																		.1	144	144				
80/79																		.1	129	129				
78/77																		.1	131	131				
76/75																		.1	156	156	6			
74/73																		.1	102	102	29			
72/71																		.1	117	117	102			
70/69																		.1	103	103	157			
68/67																		.1	78	78	160			
66/65																		.1	77	77	173			
64/63																		.1	62	62	170			
62/61																		.1	57	57	123			
60/59																		.1	44	44	157			
58/57																		.1	35	35	135			
56/55																		.1	31	31	129			
54/53																		.1	31	31	128			
52/51																		.1	12	12	105			
50/49																		.1	17	17	67			
48/47																		.1	2	2	59			
46/45																		.1	1	1	52			
44/43																		.1	2	2	19			
42/41																		.1	3	3	11			
40/39																		.1						
38/37																		.1						
36/35																		.1	2	2				
34/33																		.1	1	1				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.		Mean No. of Hours with Temperature						Total											
Ref. 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) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
96/ 95																	.1	1	1				
92/ 91																	.1	.1	.1	4	4		
90/ 89																	.2			6	6		
88/ 87									.1	.1	.1	.1	.1	.1	.1	.1			16	16			
86/ 85							.2	.1	.4	.2	.3	.2	.1	.3	.1	.1	.1		35	35			
84/ 83						.1	.1	.5	.3	.2	.3	.2	.3	.2	.1	.1	.1		43	43			
82/ 81					.1	.5	.9	.7	.7	.6	.6	.4	.7			.1			88	88			
80/ 79			.1	.4	1.1	1.5	.9	1.1	.7	.7	.5	.2	.1					126	126				
78/ 77			.5	1.2	.6	.9	1.3	.6	.9	.8	.9	.9	.2	.1				132	132				
76/ 75		.1	1.3	1.7	.8	1.1	1.0	1.0	.7	.6	.3	.1						149	149				
74/ 73	.1	.7	1.3	.8	.9	.9	.7	.7	1.0	.5	.1	.1						134	134	14			
72/ 71	.1	1.0	.7	.7	.9	.8	.9	.6	.7	.4	.2	.1						123	123	41	2		
70/ 69	.3	1.4	1.2	.9	.5	.6	1.0	1.3	.8	.3	.1							146	146	131	31		
68/ 67	.1	1.0	1.3	.6	.5	.6	.7	.8	.6	.5	.1							115	115	139	46		
66/ 65	.1	1.1	.7	.5	.5	.6	.7	1.1	.9	.4	.1							116	116	161	118		
64/ 63	.1	.7	.6	.3	.4	.6	.6	1.4	.5	.1								92	92	158	131		
62/ 61	.1	.9	.3	.2	.6	.6	.3	.9	.5									78	78	140	107		
60/ 59	.3	.3	.3	.7	.6	.5	.6	.6	.2	.1								75	75	147	96		
58/ 57	.3	.3	.5	.3	.4	.5	.8	.2	.1									62	62	139	100		
56/ 55	.5	.6	.2	.8	.7	.6	.2	.1										64	64	105	84		
54/ 53	.1	.7	.3	.5	.2	.5	.3	.2										47	47	136	90		
52/ 51	.7	.1	.6	.4	.2	.2												39	39	116	78		
50/ 49	.1	.2	.3	.5	.2	.4	.1											31	31	90	101		
48/ 47	.2	.2	.1	.2		.1												11	11	79	75		
46/ 45	.1	.2	.2	.1														10	10	67	80		
44/ 43																				42	79		
42/ 41			.2															3	3	18	89		
40/ 39																				17	92		
38/ 37	.1																	1	1	7	67		
36/ 35																					56		
34/ 33	.1																	2	2		58		
32/ 31	.1																	1	1	3	55		
30/ 29																					43		
28/ 27																					25		
Element (X)	Σx <sup>2</sup>		Σx		X		x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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





4 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300  
 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
82/ 81				.1	.2	.3	.1											1	1	
80/ 79				.1	.2	.3	.1		.1	.1	.1	.1						17	17	
78/ 77			.1	.5	.6	.7	.3	.4	.2	.1	.2							52	52	
76/ 75			.2	1.0	1.3	.6	.8	.3	.3	.2	.2							87	87	
74/ 73		.1	.6	2.1	1.9	.9	.9	.3	.4	.2	.1	.1						133	133	4
72/ 71		.3	1.2	1.3	1.4	.8	.7	.7	.3	.3	.2							124	124	21
70/ 69		1.1	1.7	1.3	1.0	1.2	.9	.6	.3	.2	.1	.1						149	149	64
68/ 67		1.5	.8	1.2	1.4	.3	.8	.8	.3	.1								126	126	131
66/ 65	.2	2.3	1.0	1.1	.8	.9	.9	.6	.2	.1	.2							141	141	128
64/ 63	.4	1.8	1.4	.6	.8	.9	1.3	.6	.1	.1								138	138	144
62/ 61	.5	2.1	.9	.5	.7	1.3	.9	.3										125	125	143
60/ 59	.3	1.2	.6	1.1	1.3	1.0	.7	.5	.1									117	117	150
58/ 57	.3	.9	.7	.6	.8	.9	.6	.1										83	83	109
56/ 55	.1	.4	.8	1.4	.9	1.2	.5											92	92	103
54/ 53	.1	.6	1.1	.7	.8	1.2	.2											80	80	106
52/ 51	.3	1.0	.4	1.4	.8	1.1	.1											90	90	139
50/ 49	.1	.7	.6	1.0	1.0	.4	.1											67	67	116
48/ 47		.3	.8	.6	.6	.4	.1											48	48	84
46/ 45		.5	.3	.3	.3	.2												28	28	99
44/ 43		.1	.4	.6	.1													21	21	71
42/ 41			.2	.2	.1													9	9	55
40/ 39																				27
38/ 37																				25
36/ 35																				6
34/ 33		.2																3	3	1
32/ 31																				3
30/ 29																				29
28/ 27																				28
26/ 25																				8
24/ 23																				9
22/ 21																				2
20/ 19																				3
18/ 17																				4
16/ 15																				1
Elev. (X)	Z <sub>1</sub>		Z <sub>X</sub>		Z̄		Z <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70 MAY  
 STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200  
 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
88/ 87							.1											1	1	
86/ 85							.1											1	1	
84/ 83					.1	.1												3	3	
82/ 81				.1	.1	.1	.2	.1										7	7	
80/ 79			.1	.1	.2	.4	.4											23	23	
78/ 77		.1	.2	.7	2.4	.7	.2	.1										85	85	
76/ 75		.3	1.4	2.7	2.3	1.0	.2											146	146	12
74/ 73		.4	2.7	2.7	2.1	1.0	.3	.1	.1									172	172	20
72/ 71	.1	1.3	3.3	2.6	1.7	.4	.3	.1	.1									178	178	72
70/ 69	.1	2.2	3.1	2.1	1.2	1.2	.2	.3										188	192	209
68/ 67	.2	3.0	3.5	1.6	1.6	.5	.2											194	197	218
66/ 65	.8	4.3	3.9	1.3	.8	.6	.1	.1										217	219	256
64/ 63	.4	4.9	1.8	1.2	.5	.4	.1											170	170	222
62/ 61	.5	2.9	1.3	.8	.4	.2	.1											111	111	223
60/ 59	1.2	1.9	1.6	.8	.1		.1											102	102	176
58/ 57	.4	1.4	1.0	.5	.4													68	68	111
56/ 55	.4	1.0	.7	.5	.2													52	52	87
54/ 53		.5	.8	.7	.1	.1	.1											41	41	68
52/ 51	.1	.6	.4	.4														27	27	47
50/ 49		.3	.4	.1														15	15	37
48/ 47	.2	.2	.1	.1														9	9	34
46/ 45		.1	.3	.1														9	9	12
44/ 43			.1															1	1	7
42/ 41																				6
40/ 39																				2
38/ 37																				
36/ 35																				3
32/ 31																				1
30/ 29																				2
TOTAL	4.3	25.4	26.9	19.0	14.2	6.8	2.6	.7	.2									1820	1829	1821

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	11599741	143477	78.8	12.603	1820	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	8293910	122498	67.0	6.999	1829			51.1	22.3	.8		93
Wet Bulb	7187420	113832	62.5	6.276	1821			27.1	1.6			93
Dew Point	6004813	108909	59.8	7.081	1821			.2	14.7	.7		93

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY  
MONTH

STATION

STATION NAME

YEARS

PAGE 1 0300-0500  
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
84/ 83						.1												1	1		
82/ 81					.1													1	1		
80/ 79			.1	.1														3	3		
78/ 77		.1	.1	.1	.1	.1												6	6		
76/ 75		.5	.5	1.3	.7	.2												59	59	7	3
74/ 73		.7	2.9	1.8	.6	.1						.1						111	111	13	6
72/ 71	.1	1.9	4.1	2.4	.8	.2			.1									172	172	40	19
70/ 69	.1	4.4	3.6	2.1	1.0	.5	.2	.2	.1									219	219	142	62
68/ 67	.3	3.6	4.1	1.7	.9	.4	.1	.1	.1	.1								205	205	212	175
66/ 65	1.2	5.9	3.2	.9	.7	.2	.1	.1	.1	.1								224	230	240	185
64/ 63	.7	5.7	2.6	1.0	.4	.1												193	195	232	234
62/ 61	.7	6.0	1.4	.9	.3													168	169	236	239
60/ 59	1.0	4.3	1.3	.9	.3	.1												144	144	197	216
58/ 57	.6	2.1	1.2	.4	.4													88	88	132	159
56/ 55	.4	.5	1.0	.3	.1													60	60	103	108
54/ 53	.2	1.3	.9	.5	.1													54	54	64	88
52/ 51	.2	.8	.7	.2	.1	.1												35	35	67	73
50/ 49	.3	.5	.8	.1	.1	.1												33	33	43	56
48/ 47	.2	.4	.6															21	21	39	51
46/ 45		.5	.2															13	13	19	45
44/ 43		.2	.2	.1														7	7	23	25
42/ 41		.2		.1														5	5	6	29
40/ 39				.1														1	1	5	13
38/ 37																				1	6
36/ 35																				2	2
34/ 33																					1
32/ 31																					4
30/ 29																					3
28/ 27																					1
TOTAL	5.9	40.8	29.3	14.6	6.5	2.0	.3	.3	.1	.1		.1						1823	1832	1823	
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	X <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	13117070	152344	84.1	10.947	1823	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	> 93 F	Total									
Dry Bulb	7701688	118124	64.5	6.824	1823			39.4	9.2	.2		93									
Wet Bulb	6930680	111768	61.3	6.551	1823			21.1	1.0			93									
Dew Point	6514618	108156	59.3	7.329	1823		.4	13.5	.5			93									

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800  
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
86/ 85																		1	1	
84/ 83							.1					.1						1	1	
82/ 81			.1	.2	.2	.2	.1											11	11	
80/ 79			.1	.2	.7	.1	.1	.1			.1							22	22	
78/ 77		.1	.5	.9	1.1	.2	.2	.1	.1									58	58	2
76/ 75		.2	1.1	2.0	1.0	.7	.2	.2	.1									111	111	14
74/ 73		.9	3.6	3.1	1.1	.2	.3	.1			.1							169	171	20
72/ 71	.1	1.5	4.2	3.6	.3	.3	.1	.1	.1									185	186	79
70/ 69	.1	2.9	5.1	3.0	1.3	.8	.2	.2		.1	.1							247	247	200
68/ 67	.4	3.8	4.2	1.5	.5	.4	.1											202	205	234
66/ 65	.7	4.6	3.3	1.5	.7	.4	.2			.2								211	214	272
64/ 63	.5	4.6	2.0	.8	.8	.2	.1	.1										165	165	240
62/ 61	.4	3.4	1.7	1.0	.5	.2		.1										133	133	198
60/ 59	.4	2.1	1.4	.7	.2	.1	.1											91	91	150
58/ 57	.1	1.3	.9	.9	.2													62	62	103
56/ 55	.2	1.3	.4	.7	.1		.1											49	49	106
54/ 53	.1	.3	.8	.7	.2													37	37	52
52/ 51	.2	.3	.4	.1	.1													20	20	44
50/ 49		.6	.3	.1	.1													18	18	39
48/ 47		.4	.3	.1	.1													15	15	32
46/ 45		.4	.1		.1													9	9	15
44/ 43																				14
42/ 41	.1	.1		.1														4	4	4
40/ 39				.1														1	1	1
38/ 37																				1
36/ 35																				2
34/ 33																				2
32/ 31																				4
30/ 29																				1
28/ 27																				1
26/ 25																				2
TOTAL	3,226	830	421	18	9.1	3.8	1.6	.7	.4	.1	.1							1822	1831	1819
																		1822	1822	
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum	12016443	146297	80.3	12.023	1821	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	5236578	122160	66.7	6.869	1831			51.5	19.0	1.2		93								
Wet Bulb	7218836	114080	62.6	6.460	1822			28.0	1.8			93								
Dew Point	6679260	109382	60.1	7.482	1819			.4	17.6	1.0		93								

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100  
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
96/ 95																.1	1	1		
94/ 93																	.1	1	1	
92/ 91											.2	.2	.1	.1	.1		10	10		
90/ 89										.1	.3	.1	.2	.1	.1		16	16		
88/ 87						.2	.3	1.5	1.1	1.0	.1	.2	.2	.1	.1		48	48		
86/ 85					.2	.3	1.5	1.1	1.0	.1	.2	.2	.2	.1			86	87		
84/ 83					.1	.9	1.9	1.9	.8	.1	.4	.2					112	114		
82/ 81				.1	.8	2.3	2.6	1.5	.4	.6	.6	.3		.1			168	176		
80/ 79			.1	.5	2.2	3.6	2.3	1.0	.3	.4	.2	.1					195	197	2	
78/ 77			.2	1.0	3.4	2.5	1.6	1.2	.5	.4	.1	.2	.1				204	205	14	
76/ 75			.8	2.4	3.0	1.6	1.4	.7	.3	.3	.1	.1					193	194	33	
74/ 73	.1	.3	1.1	2.1	2.3	1.1	1.0	.5	.4	.2	.1	.1					167	167	109	
72/ 71		.8	1.2	2.0	1.5	.6	1.1	.4	.1	.3	.1						147	147	222	
70/ 69	.1	.7	1.3	1.5	.8	.8	.8	.2	.3	.1							121	121	322	
68/ 67	.1	.9	1.3	.6	.9	.9	.5	.4	.1	.1							105	105	254	
66/ 65	.2	1.3	1.2	.2	.3	.3	.2	.2	.1	.1							76	76	210	
64/ 63	.3	1.1	.6	.3	.6	.2	.3	.1		.1							65	65	200	
62/ 61	.1	.4	.3	.3	.3	.2	.1		.1								31	31	133	
60/ 59	.1	.4	.2	.2	.3	.2	.1										24	24	92	
58/ 57		.4	.3	.3	.1	.1											25	25	68	
56/ 55		.7		.2	.1	.1											19	19	73	
54/ 53			.1	.2	.1												6	6	34	
52/ 51		.1				.1											2	2	29	
50/ 49		.1	.1			.1											5	5	13	
48/ 47					.1												1	1	15	
46/ 45																			2	
44/ 43																				
42/ 41																			1	
40/ 39																			2	
38/ 37																				
36/ 35																				
34/ 33																				
32/ 31																				
30/ 29																				
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 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY

STATION

STATION NAME

YEARS

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	U.S./W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																	.1	1	1		
102/101																	.1	1	1		
100/99													.1	.1			.1	3	3		
98/97									.1				.1				.1	6	6		
96/95								.1	.2	.3	.1	.2	.1	.1	.1		.1	17	17		
94/93							.1	.2	.5	.9	.4	.3	.2	.2	.1	.1	.2	58	58		
92/91							.1	.9	1.0	.9	.5	.2	.2	.2	.1		.1	73	73		
90/89						.1	.6	1.8	2.2	1.9	.6	.3	.4	.1	.1		.1	146	146		
88/87					.1	.1	.4	1.6	2.3	3.1	.7	.3	.6	.3		.1	.1	174	176		
86/85					.1	.6	1.3	2.3	2.9	1.3	.4	.4	.4	.2		.1	.1	183	187		
84/83					.2	1.3	3.1	2.7	1.8	1.1	.7	.3	.3	.1	.1			211	213		
82/81				.1	.4	1.8	2.2	1.8	1.1	.4	.6	.4	.2					164	165	1	
80/79				.4	.7	1.5	1.8	1.0	.7	.7	.9	.3		.1				144	144	8	
78/77				.5	1.3	1.9	1.4	.7	.8	.2	.3	.2						133	133	16	
76/75			.3	.8	1.5	1.5	.8	.9	.9	.2	.3		.1					126	126	91	3
74/73			.9	1.1	1.1	.4	.5	.4	.3	.4	.2							94	94	193	14
72/71		.2	.7	.9	.4	.4	.2	.3	.2	.2	.1							63	63	272	47
70/69		.7	.8	.8	.2	.2	.2	.4	.3	.1	.1							67	67	351	99
68/67	.2	.7	.6	.2	.3	.2	.3	.2	.1	.1								50	50	242	202
66/65		.9	.1	.1	.4	.2	.1	.2										34	34	182	225
64/63	.2	.3	.1	.2	.1	.2	.2	.1										23	23	143	276
62/61	.1	.2		.1	.2	.2	.1	.1										17	17	97	242
60/59	.1	.3		.2	.1	.1												12	12	67	156
58/57	.2	.5	.2		.1		.1											19	19	63	89
56/55	.1	.1	.1															4	4	46	79
54/53																				28	67
52/51						.1												1	1	16	55
50/49		.2																3	3	5	56
48/47																				4	55
46/45																				1	43
44/43																					33
42/41																				1	33
40/39																					15
38/37																					11
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	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 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-69,67-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point		
104/103																	.2	3	3				
100/99														.2	.2			8	8				
98/97														.1	.1			9	9				
96/95								.1	.2				.3	.3	.1	.2	.1	44	44				
94/93								.1	.1	.1	.6	1.2	.9	.6	.4	.4	.1	82	82				
92/91								.1	.1	.7	1.4	2.1	.9	.6	.3	.4	.1	122	123				
90/89								.1	.6	1.1	2.0	2.8	.8	.3	.5	.4	.1	179	179				
88/87								.4	1.7	2.4	2.0	1.5	.6	.5	.4	.1		173	176				
86/85					.2	.6	2.3	2.6	2.4	1.4	.7	.6	.3	.2	.1	.1		205	210				
84/83					.9	1.8	2.1	1.9	.8	.9	.4	.2	.1	.1				156	158				
82/81				.1	.5	.8	2.3	1.6	1.2	1.0	.8	.8	.4					173	173	2			
80/79				.6	1.1	1.5	2.1	1.3	.6	.3	.2	.4			.1			147	147	9			
78/77				.3	1.2	1.0	1.5	.8	.3	.2	.2	.4			.1			111	111	18			
76/75			.1	.6	.7	1.2	.6	.6	1.0	.3	.2	.1			.1			92	92	87			
74/73		.1	.5	.6	.7	.3	.1	.3	.2	.2	.2	.1						54	54	233			
72/71		.1	.8	.5	.3	.2	.1	.2	.2	.2	.3							51	51	279			
70/69	.1	.4	.7	.5	.2	.5	.2	.3	.2	.1								56	56	323			
68/67	.1	.9	.4	.2	.3	.3	.4	.2	.2									55	55	242			
66/65	.1	.8	.2	.1	.1	.2	.1	.2										24	29	184			
64/63		.7	.1	.1	.1	.2	.1	.2										25	25	141			
62/61		.1	.1			.3												9	9	89			
60/59	.1	.2	.3			.2												13	13	71			
58/57	.1	.3	.2	.2														13	13	50			
56/55		.1	.1	.1														4	4	45			
54/53																				23			
52/51																				12			
50/49		.1																2	2	5			
48/47		.1																1	1	5			
46/45																				38			
44/43																				35			
42/41																				31			
40/39																				27			
38/37																				9			
36/35																				8			
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 0-26-5 (OL A) 0-26-5 (OL A) EXTENDED METEOROLOGICAL FORMS ARE OBSOLETE JUL 64



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY

5' 10N

STATION NAME

YEARS

MONTH

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							
102/101																		.1	1	1							
98/97												.1							2	2							
96/95																			1	1							
94/93											.1	.1	.2	.2					10	10							
92/91										.1	.2	.3	.4	.1	.1	.1			20	20							
90/89							.1	.1	.3	.3	.3	.3	.2	.3	.1	.1			51	51							
88/87						.1	.2	1.1	2.0	1.2	.4	.2	.4	.1					98	98							
86/85					.2	.1	1.2	1.9	1.7	1.4	.3	.3	.3	.2					137	140							
84/83				.1	.2	1.2	1.6	2.6	1.8	.7	.6	.1							160	160							
82/81				.2	1.0	1.9	2.6	1.5	1.2	.4	.5	.2	.1	.1					172	175							
80/79			.1	.4	1.6	2.2	1.7	1.3	1.0	.6	.3	.3							172	172	4						
78/77			.2	1.7	2.2	2.4	1.0	.6	.7	.4	.3								171	174	13						
76/75			.6	2.0	2.1	1.9	1.0	.7	.3	.2	.2	.1		.1					167	167	33						
74/73		.1	.9	1.7	1.9	.7	.9	.4	.5	.2	.1	.1							133	133	127						
72/71		.3	1.3	1.2	1.1	.5	.4	.7	.2	.1				.1					107	107	262						
70/69		1.0	1.5	1.1	.3	.6	.4	.2	.2	.1				.1					99	99	310						
68/67		1.1	1.1	.4	.7	.4	.4	.2	.1										78	78	273						
66/65	.1	1.7	.7	.4	.3	.3	.3	.3	.1			.1							79	79	212						
64/63		.6	.3	.1	.4	.1	.2	.1											33	33	162						
62/61		.2	.2	.3	.2	.2	.3												25	25	112						
60/59	.2	.3	.4	.2	.2	.2													27	27	84						
58/57	.2	.3	.1	.1	.2	.1													20	20	65						
56/55		.2		.1	.1														7	7	46						
54/53		.1	.1	.1	.1														6	6	29						
52/51	.1	.1		.1															3	3	23						
50/49																					18						
48/47		.2																	3	3	6						
46/45																					3						
44/43																											
42/41																					22						
40/39																					22						
38/37																					9						
36/35																					4						
34/33																					2						
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.																Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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

4

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
32/31																						3														
20/19																						2														
16/15																						1														
TOTAL	.6	6.3	7.7	10.3	13.0	13.2	12.5	12.0	10.4	6.7	3.8	1.5	1.2	.6	.1			1782		1782																
																		1782		1782																

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	< 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6829564	105934	59.4	7.285	1782			82.5	67.7	39.2	.7	93
Dry Bulb	10718634	137804	76.9	8.038	1791			53.3	9.2	.1		93
Wet Bulb	7910428	118286	66.4	5.746	1782		.3	19.3	.8			93
Dew Point	6616913	107673	60.4	7.695	1782							93

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

MAY

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
94/ 93														.1				1	1						
90/ 89									.1							.1		3	3						
88/ 87							.1		.1									2	2						
86/ 85						.1	.1	.3	.1									11	11						
84/ 83				.1	.1	.3	.6	.7	.2		.1							35	35						
82/ 81			.1	.1	.4	.8	1.0	.3	.1	.1								68	68						
80/ 79			.1	.7	1.3	2.5	1.5	.9	.2	.1								129	129						
78/ 77		.1	.3	1.0	2.9	2.0	1.3	.4	.3	.1								160	160	6					
76/ 75		.1	1.6	2.0	3.0	1.7	.9	.6	.3	.1								199	203	8	5				
74/ 73		.3	2.0	2.5	2.1	.9	.9	.7	.1	.1								181	182	43	8				
72/ 71		1.1	1.9	3.1	1.1	.7	.9	.1	.1		.1							160	164	149	34				
70/ 69	.1	1.4	3.3	1.9	1.3	1.0	.6	.4	.1	.1								182	182	266	97				
68/ 67	.1	2.5	2.9	2.0	.9	.8	.3	.2	.1									173	173	252	163				
66/ 65	.3	3.2	1.9	1.3	.6	.9	.1											148	148	280	274				
64/ 63	.1	1.7	1.1	.8	.7	.2	.3	.1										91	91	184	274				
62/ 61	.3	1.9	.8	.6	.4	.1	.1	.1										70	70	177	201				
60/ 59	.4	.7	.7	.8	.2	.2	.1	.1										56	56	127	184				
58/ 57	.2	.4	.6	.6	.3	.1												37	37	79	112				
56/ 55	.2	.4	.4	.7	.4		.1											42	42	78	85				
54/ 53		.1	.1	.4	.2													13	13	39	74				
52/ 51		.2	.1															6	6	29	83				
50/ 49		.2	.1	.1														7	7	37	51				
48/ 47	.1	.1	.1	.1														6	6	16	43				
46/ 45																				6	25				
44/ 43																				3	26				
42/ 41																				1	19				
40/ 39																					7				
38/ 37																					5				
36/ 35																					3				
34/ 33																					1				
32/ 31																					2				
28/ 27																					1				
26/ 25																					1				
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	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUN  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/87											.1	.1	.1					6	6		
86/85						.5	.5	.6	.2									32	32		
84/83					.7	1.0	1.4	.4	.1		.1							65	65		
82/81				.5	1.5	2.6	1.4	.2	.2		.1							115	115		
80/79			.7	2.5	3.4	3.8	1.4	.2										249	249		
78/77		.2	1.2	4.8	5.0	2.6	.7	.1	.1									262	262		
76/75		.8	3.1	5.2	3.5	1.0	.1	.2										248	248	71	2
74/73	.1	1.5	5.1	4.4	1.8	.5	.2											240	240	162	64
72/71		2.8	3.2	2.8	.8	.5	.1											180	180	388	116
70/69	.3	2.6	2.6	1.2	.5	.1	.1											128	128	432	309
68/67	.2	2.6	1.5	.6	.4	.1												96	96	303	395
66/65	.4	1.6	.7	.3	.5	.1	.1											64	64	193	322
64/63	.3	1.0	.4	.2	.2													37	37	85	266
62/61	.1	.5	.3	.1														17	17	58	117
60/59		.3	.2	.2														11	11	23	61
58/57		.2	.4															11	11	20	32
56/55		.3	.3															11	11	15	31
54/53		.2																4	4	18	21
52/51																				3	24
50/49																					14
TOTAL	1.4	14.6	19.6	22.7	20.4	12.8	9.8	1.7	.6	.2	.1	.1						1776	1776	1776	1774

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

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	10249866	133258	75.0	11.899	1776	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	9938560	132470	74.6	5.704	1776			82.1	61.7	17.2		90
Wet Bulb	8402417	121939	68.7	4.122	1776			69.0	12.0			90
Dew Point	7706633	116633	65.8	4.498	1774			44.9	3.3			90



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0:00-0900

HO RS (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																
86/85																																	1	1		
84/83						.3				.1											.1											9	9			
82/81					.3	.6	.5	.1	.2																							30	30			
80/79			.6	1.3	2.6	.8	.1	.1	.1																						100	100				
78/77		.1	1.5	3.9	3.1	.8	.3	.1	.1																						177	177				
76/75		1.2	5.3	6.0	2.7	.5	.1																								286	286	31	6		
74/73	.1	2.2	6.5	3.8	1.1	.3	.1																								250	250	112	37		
72/71	.2	5.0	5.6	3.1	.9	.2																									267	267	319	131		
70/69	.4	5.7	5.2	1.4	.4	.2																									237	237	417	318		
68/67	.3	4.0	3.4	.7	.3	.1																									157	157	323	401		
66/65	1.1	3.5	1.1	.4	.2	.1																									114	114	266	295		
64/63	.7	1.8	.6	.7	.1			.1																							71	71	126	269		
62/61	.2	1.1	.4	.1																											34	34	80	130		
60/59	.2	.3	.1																												10	10	38	58		
58/57		.4	.2	.1																											12	12	24	46		
56/55		.6	.4																												18	18	15	29		
54/53		.3	.1																												7	7	18	22		
52/51		.1																													1	1	11	22		
50/49																																		1	10	
48/47																																			4	
44/43																																			1	
TOTAL	3.226	291.3	22.0	12.2	3.5	.8	.3	.2	.2																							1781	1781	1781	1779	

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

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PAGE 1 0900-1100  
 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		≥ 11	Dry Bulb	Wet Bulb
100/99																	5	5		
98/97												.1	.2	.3	.1		11	11		
96/95											.1	.4	.4	.2			20	20		
94/93									.3	.9	.8	.3	.2	.1			46	46		
92/91								.4	.8	2.0	1.0	.2	.1				79	79		
90/89							.5	2.7	4.0	1.6	.6	.2					173	173		
88/87					.1	.6	2.7	4.6	2.8	.7	.3			.1			211	211		
86/85					.2	2.2	4.9	4.9	.8	.3	.2	.1	.1				245	245		
84/83			.1	.1	1.2	4.6	4.0	2.0	.4	.2	.1						227	227		
82/81			.1	.6	2.2	4.8	2.4	.7	.4	.1							203	203		
80/79		.1	.2	1.1	2.9	2.6	1.2	.4	.2	.1							150	150	6	
78/77		.1	.3	1.3	2.2	1.8	.6	.2	.2								117	117	65	5
76/75		.2	.8	1.2	1.4	.5	.3	.1	.1	.1							86	86	283	9
74/73		.6	.7	1.0	.6	.1	.2	.4	.1								63	63	509	65
72/71	.1	.4	.4	.2	.3	.3	.4	.2									41	41	379	181
70/69	.1	.4	.6	.4	.2	.1	.2	.1									36	36	220	333
68/67		.5	.2	.1	.2	.2											21	21	133	406
66/65	.1	.7	.1		.2	.2	.1										23	23	61	309
64/63	.2	.3	.1	.1	.2	.1											18	18	47	196
62/61	.2	.1															5	5	30	102
60/59																			20	99
58/57		.1															2	2	21	29
56/55		.1															1	1	7	21
54/53																			2	15
52/51																				26
50/49																				14
48/47																				8
46/45																				3
44/43																				1
TOTAL		3.6	3.5	6.2	11.4	18.0	17.5	16.8	10.2	3.9	3.4	1.4	1.0	.3			1783	1783	1783	1782

USAFETAC FORM 44 JUL 64 0-26-5 (O.I. A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6562640	105500	59.2	13.409	1783	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	12284397	147503	82.7	6.777	1783			87.5	82.6	66.3	4.1	90
Wet Bulb	9130949	127391	71.4	4.046	1783			80.5	43.6			90
Dew Point	7861921	118049	66.2	4.841	1782			50.5	4.0			90

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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WDLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUN  
 MONTH

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YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
106/105																												.1				2	2			
104/103																													.1	.2			10	10		
102/101																													.1				19	19		
100/99																													.1				36	36		
98/97																																	96	96		
96/95																																	182	182		
94/93																																	199	199		
92/91																																	251	251		
90/89																																	234	234		
88/87																																	201	201		
86/85																																	132	132		
84/83																																	116	116		
82/81																																	65	65		1
80/79																																	51	51		28
78/77																																	39	39		3
76/75																																	48	48		11
74/73																																	38	38		61
72/71																																	21	21		154
70/69																																	19	19		245
68/67																																	6	6		349
66/65																																	9	9		325
64/63																																	4	4		249
62/61																																	3	3		138
60/59																																			18	92
58/57																																	3	3		44
56/55																																				27
54/53																																				21
52/51																																				27
50/49																																				15
48/47																																				10
46/45																																				3
44/43																																				4
42/41																																				1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-69,67-70

JUN

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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															
106/105																.1	.3	6	6																	
104/103																.2	.4	22	22																	
102/101																.3	.5	22	22																	
100/99										.4	1.1	1.7	1.4	.4	.2	.1	93	93																		
98/97									.1	1.2	2.6	3.2	1.9	.1	.1		165	165																		
96/95								.5	1.4	4.4	4.5	2.4	.4	.1			240	240																		
94/93							.2	1.1	2.1	4.1	3.0	.5	.5				203	203																		
92/91						.1	1.0	2.2	4.8	3.0	1.6	.5	.3				255	255																		
90/89					.1	.7	2.0	3.8	2.3	1.1	.6	.2					190	190																		
88/87					.1	1.0	1.8	2.1	.9	.7	.3	.1					124	124																		
86/85					.1	.8	1.6	1.7	1.1	1.0	.3	.2	.1				124	124																		
84/83					.4	1.0	1.6	1.0	.4	.2	.2						82	82																		
82/81				.1	.5	.8	.6	.3	.1	.1	.2	.1					47	47																		
80/79				.5	.6	.7	.2	.3	.1	.1	.1						42	42	40																	
78/77			.2	.2	.5	.3	.2	.1	.3	.2	.1						35	35	150	1																
76/75	.1	.2	.2	.5	.7	.3	.2	.1	.3	.1							45	45	418	8																
74/73		.3	.2	.3	.1	.1		.1									20	20	492	60																
72/71	.1	.2	.2	.3	.1	.1	.2	.2									20	20	311	120																
70/69		.1	.2	.1		.1	.1										9	9	141	200																
68/67		.2	.2	.1													9	9	105	305																
66/65		.1	.2	.1	.1	.1											8	8	35	340																
64/63		.4		.1													9	9	31	264																
62/61	.1		.1														2	2	16	177																
60/59		.1	.1														2	2	14	101																
58/57																			13	72																
56/55																				34																
54/53																				32																
52/51																				22																
50/49																				18																
48/47																				7																
46/45																				4																
44/43																				2																
42/41																				1																
Element (X)	Σx <sup>2</sup>	Σx	Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature					Total																								
Rel. Hum.					≤ 0 F	≤ 32 F	≥ F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUN

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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															
102/101															.1	.2	.1	5	5																
100/99													.2	.3	.1	.1		10	10																
98/97										.1	.5	.2	.8	.6	.1			39	39																
96/95									.1	.3	1.0	1.1	1.0	.2				67	67																
94/93								.1	.5	1.5	2.2	1.8	.3	.1				114	114																
92/91							.1	.6	1.0	2.7	3.2	1.0	.1	.1				150	150																
90/89						.1	.7	1.5	4.7	4.1	1.4	.3	.2	.1				231	231																
88/87					.1	.5	1.0	3.8	3.7	1.6	.6	.2	.1					195	195																
86/85					.2	1.3	3.3	4.0	2.1	.9	.4							211	211																
84/83				.1	1.0	2.5	3.3	1.9	1.1	.4	.1	.1						184	184																
82/81			.1	.3	1.4	1.9	2.0	.9	.4	.1	.1							125	125																
80/79			.4	.7	1.7	1.3	1.3	.6	.2		.1							111	111																
78/77			.2	1.1	1.0	1.0	.5	.2		.3								73	73	17	1														
76/75		.3	.6	1.2	1.0	.5	.1	.2	.1									70	70	225	19														
74/73	.1	.4	1.5	.7	.3	.2	.2	.3	.1									65	65	490	63														
72/71	.1	.5	.3	.4	.2	.1	.1	.1										33	33	467	117														
70/69	.1	.1	.4	.1	.1	.1	.1											16	16	264	244														
68/67	.1	.1	.3	.1	.1	.1	.2											15	15	110	313														
66/65	.1	.3	.1	.1	.1	.1												11	11	63	318														
64/63	.1	.3	.1	.1	.1													7	7	32	248														
62/61	.1	.1	.2	.1														6	6	19	191														
60/59		.1	.2															5	5	21	93														
58/57		.1																1	1	11	43														
56/55																				6	28														
54/53																					24														
52/51																					24														
50/49																					12														
48/47																					5														
46/45																					2														
TOTAL	.3	2.1	4.0	4.7	7.1	9.8	12.7	14.2	13.8	11.9	9.5	4.8	2.7	1.3	.2	.2	.1	1744	1744	1743	1743														
																		1744		1744															
Element (X)	Σx²		Σx		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.	5416759		93703		53.7	14,808	1744		≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	12711938		148360		85.1	7,230	1744				88.9	85.1	72.1	12.1	90																				
Wet Bulb	8962390		124890		71.6	3,756	1744				82.2	41.4	.2		90																				
Dew Point	7468435		113777		69.3	4,879	1743				39.1	4.3			90																				

USAFETAC FORM 44 JUL 64 0-26-5 (OL A) REISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUN

STATION

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HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) 1 JAN 64 REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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		
92/ 91									.2											7	7		
90/ 89							.1	.3	.6	.5	.2	.1	.1							33	33		
88/ 87						.1	.8	1.0	1.8	.9	.1	.1								84	84		
86/ 85					.1	1.0	2.0	3.2	1.6	.1	.1									141	141		
84/ 83			.1	.9	2.7	5.1	2.8	.5	.1											211	211		
82/ 81		.1	1.0	2.4	5.1	3.1	1.3	.4	.1											234	234		
80/ 79	.1	.6	2.0	4.5	4.6	1.9	.6	.2	.1											252	252	2	
78/ 77		.1	.9	2.8	4.4	2.5	.8	.1	.2											203	203	13	
76/ 75		.6	1.8	2.0	2.7	1.5	.3	.1												155	155	104	9
74/ 73	.1	1.0	2.3	1.9	1.2	.5	.2	.1												127	127	266	58
72/ 71		1.3	2.2	1.2	.9	.3	.1	.1												105	105	487	133
70/ 69	.1	1.7	1.3	.6	.2	.2	.2													74	74	389	245
68/ 67	.1	.8	.9	.2	.2	.1	.1													33	33	219	376
66/ 65		.6	.3	.2	.3	.1														28	28	119	352
64/ 63	.3	.3	.1	.2	.2															19	19	91	242
62/ 61	.1	.1	.1	.2	.1															11	11	27	146
60/ 59		.2	.2																	6	6	25	68
58/ 57		.2	.1																	5	5	14	19
56/ 55		.1	.2																	4	4	19	23
54/ 53																						3	30
52/ 51																						2	17
50/ 49																							11
48/ 47																							1
46/ 45																							1
TOTAL	.6	7.0	10.6	12.4	18.1	18.8	14.5	9.6	5.4	2.1	.4	.3	.1							1732	1732	1732	1731
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum	7956979	119073	66.4	13.408	1732	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	10735929	139951	78.5	6.110	1732			86.2	75.2	44.1		90											
Wet Bulb	8479347	121003	69.9	3.852	1732			76.7	20.0	.1		90											
Dew Point	7517062	113806	65.7	4.484	1731			42.7	3.5			90											

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUL

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87									.4									1	1		
86/ 85									.4									1	1		
84/ 83					.1	.3	1.0	.4	.4									37	37		
82/ 81				.1	.8	2.3	1.6	.6	.4									101	101		
80/ 79				2.0	4.5	3.9	1.5	.5	.4									231	231		
78/ 77		.3	2.4	6.6	5.9	2.6	.9	.3										350	350		
76/ 75		2.0	7.9	7.3	3.8	1.3	.4	.1										419	419	17	1
74/ 73	.3	6.5	7.1	2.9	.7	.3	.1											330	330	211	61
72/ 71	1.0	3.3	3.3	1.1	.3	.2	.1											207	207	665	260
70/ 69	.8	3.0	.7	.5	.3	.2	.1											101	101	525	452
68/ 67	.1	.7	.2	.2	.2													24	24	261	454
66/ 65	.1	.4	.3	.1	.1	.1												17	17	75	273
64/ 63	.1	.2	.3	.1														11	11	49	140
62/ 61		.1	.2															4	4	14	93
60/ 59			.1															2	2	15	41
58/ 57			.1															1	1	6	35
96/ 55																				2	12
54/ 53																				1	5
52/ 51																					8
50/ 49																					1
TOTAL	2.2	18.4	22.6	20.8	16.7	11.2	5.7	1.9	.4									1837	1837	1837	1836
Element (X)	Σx²	Σx	X	Σx	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	11144209	141275	76.9	12,336	1837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	10475848	138552	73.4	3,751	1837			91.2	74.4	12.5		93									
Wet Bulb	8997714	128466	69.9	2,738	1837			85.0	11.3			93									
Dew Point	8339129	123547	67.3	3,726	1836			62.2	3.1			93									

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

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUL  
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				
94/93																		1	1						
92/91																		3	3						
90/89							.1	.2	.3	.4	.1							21	21						
88/87						.2	.8	.9	.3	.1	.1							44	44						
86/85					.1	1.2	2.3	1.5	.4	.1								103	103						
84/83				.1	.8	2.8	2.6	.7	.3									134	134						
82/81			.1	.7	4.5	4.1	1.3	.3	.1									200	200						
80/79			.7	4.5	7.0	2.6	.9	.2										292	292						
78/77		.3	3.4	7.7	4.9	1.1	.5	.1										330	330	14					
76/75		2.2	6.9	4.1	1.3	.2	.1	.1										271	271	141	11				
74/73	.3	4.2	4.7	1.9	.5	.3	.1											220	220	488	90				
72/71	.5	2.9	1.6	.3	.1	.2	.1											104	104	613	384				
70/69	.5	2.3	.6	.3	.3		.1											76	76	352	536				
68/67	.2	.1	.3	.2	.1													15	15	139	426				
66/65	.1	.2	.1	.1														8	8	34	187				
64/63	.1	.2	.3	.1														10	10	30	84				
62/61			.1															1	1	9	51				
60/59		.1																1	1	10	34				
58/57																				4	16				
56/55		.1																1	1		10				
54/53																				1	3				
52/51																					3				
TOTAL	1.5	12.4	18.6	19.9	19.6	12.7	8.9	4.0	1.6	.4	.2	.1						1835	1835	1835	1835				

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10291816	135486	73.8	2.527	1835							
Dry Bulb	11164367	142861	77.9	4.794	1835			91.9	82.1	33.0	.1	93
Wet Bulb	9348850	130878	71.3	2.784	1835			88.5	32.6			93
Dew Point	8598272	125457	68.4	3.376	1835			73.3	5.1			93

USAFETAC FORM 49 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUL

STATION

STATION NAME

YEARS

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
110/109																.1	1	1			
108/107																.1	1	1			
106/105															.1	.5	14	14			
104/103													.1	.1	.7	.9	37	37			
102/101												.7	2.1	1.9	.7	.1	93	93			
100/99										.1	.6	3.3	4.0	1.3	.2	.1	176	176			
98/97									.1	.9	4.9	6.3	1.8	.4	.2		270	270			
96/95								.2	1.4	5.3	6.0	1.7	.3	.1			274	274			
94/93							.2	1.1	4.6	4.4	2.3	.5		.1			241	241			
92/91						.1	1.3	4.0	4.4	2.0	.4	.2					223	223			
90/89						.1	.6	2.2	3.2	1.0	.2	.3	.1				139	139			
88/87					.1	.4	2.0	2.4	1.9	.1	.1	.1					122	122			
86/85					.2	.4	1.4	.4	.4			.1					34	34			
84/83			.1	.4	.5	.3	.1	.2				.1					39	39			
82/81				.8	.7	.1	.1	.2			.1						36	36		1	
80/79			.2	.8	.7	.2	.1	.1									37	37		34	
78/77		.1	.3	.3	.2	.3		.1									22	22		206	
76/75	.1	.2	.3	.1	.1	.1											14	14		668	
74/73	.1	.7	.1		.1	.1											19	19		607	
72/71	.2	.6	.1														19	19		212	
70/69	.1	.1	.1		.1												9	9		53	
68/67																				29	
66/65																				17	
64/63			.1														1	1		8	
62/61																				2	
60/59																					
58/57																					
56/55																					
54/53																					
52/51																					
50/49																					
48/47																					
TOTAL	.4	1.6	1.0	1.3	2.7	2.9	5.0	6.8	10.7	11.7	12.9	14.6	13.1	8.3	4.0	2.1	1.2		1833	1833	1831
Element (X)	Z <sub>x</sub>		Z <sub>y</sub>		X		Y		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	3782824		79104		43.2		14.193		1833		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	15920054		170402		93.0		6.562		1833				92.9	91.9	88.3	56.2	93				
Wet Bulb	10107973		136047		74.2		2.386		1833				91.6	76.9	.4		93				
Dew Point	7976224		120580		65.9		4.402		1831				43.9	4.1			93				

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
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PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUL

STATION

STATION NAME

YEARS

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
112/111																	.1	2	2	
108/107																	.2	4	4	
106/105															.1	.5	1.1	31	31	
104/103													.2	.2	1.2	1.6	.8	71	71	
102/101												.4	2.7	3.8	2.2	.4	175	175		
100/99											1.0	3.9	5.3	3.2	.4	.3	258	258		
98/97									.1	.5	1.4	4.2	6.0	3.3	.8	.1	289	289		
96/95									.2	1.4	4.5	4.2	2.9	.5	.1		251	251		
94/93								.2	.9	3.6	4.3	1.3	.3	.5			209	209		
92/91						.1	.6	2.5	2.5	1.3	.2	.2	.1				136	136		
90/89						.2	.5	1.1	2.0	1.1	.1	.1					93	93		
88/87						.3	1.0	1.6	.7	.4	.2						77	77		
86/85				.1	.4	.9	1.0	.3	.2	.1	.1	.2					54	54		
84/83				.1	.4	1.0	.7	.1	.1	.1							44	44		
82/81			.1	.2	.5	.4	.3	.1	.1	.2							39	39	3	
80/79			.2	.5	.4	.1	.2	.2									28	28	23	
78/77		.1	.2	.3	.3	.2	.1	.1									23	23	186 4	
76/75		.3	.6	.2		.1	.1										22	22	620 12	
74/73		.7	.2														15	15	659 50	
72/71	.1	.4	.1														9	9	264 139	
70/69	.1	.1															3	3	73 229	
68/67																			23 278	
66/65																			12 276	
64/63																			10 283	
62/61																				224
60/59																				144
58/57																				77
56/55																				56
54/53																				22
52/51																				17
50/49																				12
48/47																				2
TOTAL	.2	1.9	1.3	1.3	1.7	3.2	3.9	4.2	6.6	9.5	11.9	11.4	13.9	12.7	9.0	4.8	2.9	1825	1825	1825
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>		X	x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	3333481	73221		40.1	14.730		1825		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	16350353	172289		94.4	6.843		1825				93.0	92.4	88.9	69.5	93					
Wet Bulb	10009664	132090		74.0	2.346		1825				91.9	73.4	.5		93					
Dew Point	7695052	118168		64.7	4.896		1825				36.3	3.4			93					

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



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1900-2000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
106/105															.1	.1	.1	4	4		
104/103															.2	.2	.3	13	13		
102/101													.1	.4	.6	.6	.2	34	34		
100/99												.2	.4	1.7	1.3	.2	.1	70	70		
98/97											.2	1.1	3.4	2.2	.8	.1		139	139		
96/95									.3	2.2	3.9	2.7	1.2	.2			180	180			
94/93								.2	2.4	4.1	3.9	2.9	1.5	.2			186	186			
92/91							.2	2.4	4.1	3.8	1.4	.3	.1				220	220			
90/89						.5	1.6	4.9	3.6	1.9	.9	.1	.1				235	235			
88/87					.1	.3	1.6	3.3	2.6	.7	.4	.2					166	166			
86/85				.2	1.1	3.1	1.8	.6	.2	.1	.1						129	129			
84/83			.4	.8	2.2	1.3	.4	.2	.2	.1							101	101			
82/81		.1	.7	1.6	1.2	.5	.1										74	74			
80/79		.6	1.5	1.3	.4	.2	.1	.1	.1								76	76	4		
78/77		.3	1.2	.9	.7	.2	.2	.1	.1								59	59	70		
76/75		.9	1.1	.4	.3	.2	.1										52	52	370	20	
74/73	.1	.8	.4	.2	.1	.1	.1										31	31	667	69	
72/71		.4	.2				.1										12	12	449	152	
70/69	.1	.1	.1														4	4	149	266	
68/67				.1													1	1	47	295	
66/65																			14	261	
64/63																			13	251	
62/61																			3	186	
60/59																					112
58/57																					89
56/55																					43
54/53																					25
52/51																					11
50/49																					5
48/47																					1
TOTAL	.1	2.5	3.3	3.8	5.0	5.8	7.7	7.6	11.1	11.3	12.3	9.7	8.6	9.8	3.1	1.2	.7	1786	1786	1786	

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4623048	85809	48.0	16.743	1786	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	14327261	159489	89.3	6.899	1786			93.0	92.1	83.1	32.6	93
Wet Bulb	9510706	130260	72.7	2.409	1786			91.4	57.9			93
Dew Point	7669099	116711	65.3	4.868	1786			41.8	4.6			93

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

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

JUL

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
96/95																	.1	1	1																
94/93										.1	.2	.4	.2					16	16																
92/91										.5	1.5	.3	.2					46	46																
90/89								.3	.8	3.6	1.8	.2						122	122																
88/87							.5	2.0	4.6	3.3	1.1	.1						209	209																
86/85						.9	3.5	6.0	4.3	1.4	.3							294	294																
84/83				.4	3.8	6.2	2.8	1.6	.5	.1								274	274																
82/81			.8	2.5	4.1	3.3	.6	.7	.1									217	217																
80/79		.6	2.7	3.8	1.8	.7	.2	.3	.2									184	184																
78/77	.8	1.8	3.0	1.5	.8	.1	.1	.1										146	146	4															
76/75	.1	1.6	2.5	1.5	.6	.1	.2	.1	.2									121	121	115	11														
74/73	.1	2.3	1.7	.3	.3	.1	.1	.1										88	88	486	71														
72/71	.1	1.5	.6	.2	.3	.1												48	48	673	209														
70/69		.3	.2	.1	.1													12	12	330	302														
68/67		.1	.1		.1													6	6	111	331														
66/65			.1	.1														3	3	27	278														
64/63																				26	264														
62/61																				9	146														
60/59																				7	79														
58/57																				1	38														
56/55																					30														
54/53																					15														
52/51																					6														
50/49																					5														
TOTAL	.3	6.5	7.6	8.8	9.4	11.9	14.5	12.2	12.7	9.6	3.0	1.2	.3					1787	1787	1787	1785														
Element (X)	Σ X²	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	6974195	107895	60.4	16.044	1787	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	12165180	147148	82.3	3.210	1787			92.8	89.4	66.7	.9	93																							
Wet Bulb	9119348	127382	71.4	2.469	1787			89.6	31.5			93																							
Dew Point	7858891	118183	66.2	4.373	1783			48.1	4.3			93																							

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



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WULTERS AAF TEX/MINERAL WELLS 49-65,67-70

AUG  
MONTH

PAGE 1 0300-0900  
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
88/ 87																		1	1		
86/ 85							.1	.2	.4	.1								13	13		
84/ 83						.7	.9	.2	.2									37	37		
82/ 81				.1	.7	2.5	1.8	.8	.1		.1							110	110		
80/ 79			.1	1.3	4.5	3.1	1.7	.8		.1								213	213		
78/ 77		.2	.9	3.5	3.8	2.0	1.1	.4										293	293		
76/ 75	.1	1.4	5.4	6.3	3.6	.8	.7	.1										338	338	16	2
74/ 73	.1	4.3	6.3	3.0	1.0	.7	.4	.1	.1									294	294	153	36
72/ 71	.5	4.8	2.7	2.2	1.1	.6	.3	.1										224	224	513	154
70/ 69	.1	2.3	2.2	1.9	1.0	.4	.1	.1										149	149	485	409
68/ 67		1.1	.9	1.1	.6	.1	.1											73	73	268	377
66/ 65		.5	.9	1.0	.1	.2	.1											51	51	148	288
64/ 63	.1	.4	.9	.4	.1	.1												30	30	102	173
62/ 61		.1	.9		.1													9	9	72	140
60/ 59		.2			.1													4	4	59	89
58/ 57					.1													1	1	16	82
56/ 55																				9	47
54/ 53																				1	13
52/ 51																				2	7
50/ 49																					9
48/ 47																					6
46/ 45																					6
TOTAL	.9	15.5	20.1	22.8	18.6	11.1	7.3	2.6	.8	.2	.1							1840	1840	1840	1840
Element (X)	Σx'	Σx	R	Σ <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	10543337	137377	74.7	12.483	1840	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	10305499	137449	74.7	4.544	1840			88.2	65.7	13.0		93									
Wet Bulb	8710906	126416	68.7	3.729	1840			72.5	8.5			93									
Dew Point	7985474	120900	63.7	4.753	1840			49.4	1.9			93									

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





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-69,67-70

YEARS

AUG  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb
110/109																.1	1			
108/107															.1	.1	.2	6		6
106/105														.1	.2	.7	.7	30		30
104/103													.2	.8	1.9	1.0	.2	73		73
102/101												.8	2.2	1.6	.4	.2	96		96	
100/99										.1	1.4	3.2	3.2	1.0	.3	.1	170		170	
98/97									.1	1.4	3.9	5.4	1.8	.3	.3	.2	246		246	
96/95								.3	1.4	4.0	5.1	2.2	.6	.3	.1	.1	256		256	
94/93							.8	3.2	3.8	2.3	.9	.5	.3				213		213	
92/91						.1	.1	.2	2.9	2.0	1.5	.7	.5				195		195	
90/89						.4	1.1	1.1	2.1	1.7	1.0	.5	.3				172		172	
88/87						.8	1.9	1.8	1.0	.7	.4	.2	.1				128		128	
86/85					.1	.4	1.2	1.7	.5	.4	.5	.1					90		90	
84/83			.1	.2	.8	.7	.3	.3	.1	.1							46		46	
82/81			.2	.1	.3	.4	.3	.2	.1	.1							27		27	
80/79			.4	.5	.1	.1	.1										22		22	
78/77	.1	.3	.4														23		202	
76/75	.2	.5	.3	.1	.1	.1											22		533	
74/73	.5	.2															13		532	
72/71	.2	.1															9		281	
70/69		.1															1		124	
68/67																			82	
66/65																			45	
64/63																			7	
62/61																			1	
60/59																				
58/57																				
56/55																				
54/53																				
52/51																				
50/49																				
48/47																				
46/45																				
44/43																				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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





4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

02943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

AUG

STATION

STATION NAME

YEARS

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
10/109																.1	2	2			
108/107																.2	11	11			
106/105															.3	.9	40	40			
104/103													.7	2.1	1.2	.6	84	84			
102/101											.2	.7	2.2	3.7	1.3	.4	159	159			
100/99										.1	1.1	3.7	5.5	3.4	1.3	.1	277	277			
98/97									.1	.7	2.6	6.0	2.3	.4	.6	.2	237	237			
96/95								.3	.8	2.6	4.7	2.7	.9	.6	.1	.1	231	231			
94/93							.2	1.2	1.3	2.6	2.0	2.1	1.1	.3	.1		200	200			
92/91						.1	.4	1.3	2.6	1.6	1.0	.8	.4	.1	.1		154	154			
90/89					.1	.1	.7	1.7	2.1	1.4	1.1	.4	.3	.1			145	145			
88/87					.1	.7	1.1	.7	.6	.4	.6	.1					78	78			
86/85				.2	.5	.9	1.0	.3	.3	.2	.1						61	61			
84/83			.1	.3	.5	.7	.3	.5	.3								49	49			
82/81			.2	.5	.7	.2	.1	.1									31	31			
80/79			.4	.2	.2		.2	.1									20	20	32		
78/77	.1	.5	.5														20	20	146	1	
76/75	.5	.3			.1												17	17	492	9	
74/73	.4	.1															8	8	376	48	
72/71	.1	.1															3	3	299	104	
70/69	.1	.2															4	4	137	116	
68/67																			102	230	
66/65																			37	273	
64/63																			10	308	
62/61																				220	
60/59																				193	
58/57																				118	
56/55																				79	
54/53																				55	
52/51																				38	
50/49																				15	
48/47																				11	
46/45																				1	
44/43																				9	
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 (OL A) REVERSE PERIODIC EXTENSION OF THE FORMER ISSUE  
 USAFETAC







DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

AUG  
 MONTH

PAGE 1 2100-2300  
 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
96/ 95																		1	1		
94/ 93																		12	12		
92/ 91										.1	.3						47	47			
90/ 89								.1	.2	1.2	2.6	1.5	.5	.1			108	108			
88/ 87								.6	1.8	4.4	2.2	1.0	.3				182	182			
86/ 85							.6	2.0	3.0	3.1	1.4	.7	.1				230	230			
84/ 83				.1	.8	2.6	3.5	2.5	1.2	1.1	.3	.1					218	218			
82/ 81			.1	.6	1.9	3.8	2.6	1.2	1.0	.2	.2	.1					209	209			
80/ 79		.1	.2	1.4	3.4	2.1	1.8	1.2	.4	.3	.2						196	196			
78/ 77		.3	1.1	3.4	2.1	1.4	1.1	.6	.8	.2	.1						193	193	11		
76/ 75		1.3	2.1	2.3	1.3	.6	.6	.6	.3	.1							165	165	96	11	
74/ 73	.1	1.6	1.9	1.0	.3	.8	.5	.2									105	105	318	45	
72/ 71	.2	1.4	.9	.4	.3	.3	.1	.1									68	68	563	151	
70/ 69	.1	.6	.3	.2	.2	.3	.1	.1									33	33	362	242	
68/ 67		.1	.1	.3		.1											9	9	179	298	
66/ 65				.1													1	1	119	291	
64/ 63																			69	235	
62/ 61																			42	143	
60/ 59																			18	117	
58/ 57																			3	102	
56/ 55																			1	63	
54/ 53																				31	
52/ 51																				15	
50/ 49																				18	
48/ 47																				6	
46/ 45																				3	
44/ 43																				4	
42/ 41																				1	
TOTAL	.3	5.3	6.2	9.7	10.9	12.6	12.9	13.4	12.5	8.6	9.6	2.0	.3	.1				1777	1777	1776	
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	6672322	105202	59.2	5.814	1777	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	11817470	144580	81.4	5.523	1777			92.9	87.2	57.9	.7	93									
Wet Bulb	8782315	124779	70.2	3.395	1777			79.8	22.2			93									
Dew Point	7491567	114957	64.7	5.340	1776			39.1	2.9			93									

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

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
88/ 87									.1									1	1		
86/ 85							.1	.1	.1									4	4		
84/ 83					.1	.2	.1	.3	.2	.1								18	18		
82/ 81				.1	.3	1.0	.7	.1	.2									44	44		
80/ 79		.1	.2	.8	1.3	1.9	1.1	.3	.2							.1		110	110		
78/ 77	.2	.2	.4	2.1	2.9	1.9	.5	.5	.2	.1	.1							138	138	6	5
76/ 75	.1	.7	3.6	3.2	3.0	1.6	.9	.3	.1	.2								243	243	19	7
74/ 73	.1	3.3	2.8	1.9	1.2	1.0	1.1	.3	.1									208	208	59	14
72/ 71	.6	3.3	2.8	1.6	1.3	.8	.7	.2	.1									202	202	272	117
70/ 69	.7	2.7	1.4	1.9	1.4	1.2	.8	.3	.1									184	184	283	202
68/ 67	.2	2.2	2.1	1.2	.5	.8	.7	.2										141	141	218	196
66/ 65	.3	2.5	1.8	.7	.5	.7	.6	.2										128	128	168	218
64/ 63	.3	1.7	2.0	1.1	.6	.6	.2											113	113	191	171
62/ 61	.1	1.3	1.5	.7	.6	.2	.1											80	80	125	160
60/ 59		1.2	.9	.8	.5	.2												63	63	127	136
58/ 57		.5	.5	.5	.1	.1												29	29	103	130
56/ 55		.5	.6	.2	.1													24	24	83	103
54/ 53		.3	.1	.1	.1													9	9	61	55
52/ 51		.1		.1														4	4	31	81
50/ 49			.1															2	2	11	54
48/ 47				.2														3	3	4	43
46/ 45																				4	35
44/ 43																				2	13
42/ 41																				1	18
40/ 39																					6
38/ 37																					4
TOTAL	2.5	20.5	20.7	17.2	14.7	12.2	7.7	2.7	1.2	.3	.2							1768	1768	1768	1768

Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	10173956	131560	74.4	14.748	1768	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90
Dry Bulb	8920201	125058	70.7	6.504	1768			46.8	40.0	6.1		90
Wet Bulb	7520222	114882	68.0	6.091	1768			42.6	4.2			90
Dew Point	6814963	108938	61.6	7.541	1768			27.8	1.3			90

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISION 5 OF THE FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-65,67-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

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
96/ 95																		1	1	
88/ 87											.1	.1						3	3	
86/ 85								.2	.1							.1		5	5	
84/ 83						.1	.2	.3	.1	.1								14	14	
82/ 81			.1	.1	.3	.6	.2	.1	.1									28	28	
80/ 79		.1	.2	1.5	1.7	.7	.2	.3	.1	.1	.1							88	88	
78/ 77		.1	.8	2.6	1.3	.6	.2	.6	.1									111	111	2
76/ 75	.1	1.5	2.9	2.8	1.1	.7	.9	.3	.1	.1								178	178	19
74/ 73	.3	3.9	3.8	2.5	.7	.7	.4	.2	.2									224	224	117
72/ 71	.9	4.3	4.3	1.5	.8	.5	.2	.3	.2									230	230	151
70/ 69	.5	4.5	2.2	1.7	.9	1.2	.4	.2	.2									209	209	270
68/ 67	.3	2.7	1.6	1.1	1.1	.5	.2		.1									134	134	207
66/ 65	.6	2.4	2.0	1.2	1.0	.3	.3	.1										138	138	194
64/ 63	.4	2.5	1.5	1.0	.9	.2	.2											110	110	159
62/ 61	.1	1.4	1.1	.8	.6	.2	.1											79	79	133
60/ 59	.2	1.7	1.0	.8	.8	.2												84	84	113
58/ 57		1.8	.6	.3	.3													56	56	109
56/ 55	.1	.7	1.0	.6	.2													44	44	88
54/ 53		.2	.6	.2	.1													19	19	39
52/ 51	.1	.5	.1	.1														14	14	48
50/ 49	.1	.1		.2														6	6	32
48/ 47		.1																1	1	8
46/ 45				.1														2	2	3
44/ 43																				3
42/ 41																				
40/ 39																				2
38/ 37																				4
36/ 35																				2
TOTAL	3.528	523.7	19.2	11.7	6.4	3.2	2.4	1.0	.2	.1	.1	.1						1774	1774	1772
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	11291813	139319	78.6	13.953	1773	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	8646749	123233	69.5	6.973	1774			62.1	33.1	4.8	.1	90								
Wet Bulb	7523771	114933	64.8	6.613	1774			43.9	7.0			90								
Dew Point	6928804	109926	62.0	7.864	1772			33.3	2.0			90								

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



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

SEP  
MONTH

STATION

STATION NAME

YEARS

PAGE 1 0900-1100  
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																
102/101													.1																				2	2		
100/99																																		2	2	
98/97																																		6	6	
96/95																																		13	13	
94/93																																		39	39	
92/91																																		59	59	
90/89																																		109	109	
88/87																																		144	144	
86/85																																		160	160	
84/83																																		144	144	2
82/81																																		163	163	2
80/79																																		170	170	1
78/77																																		128	128	26
76/75																																		148	148	179
74/73																																		132	132	317
72/71																																		102	102	294
70/69																																		79	79	193
68/67																																		72	72	171
66/65																																		43	43	132
64/63																																		23	23	129
62/61																																		21	21	126
60/59																																		13	13	93
58/57																																		12	12	94
56/55																																		2	2	26
54/53																																		23	23	66
52/51																																		1	1	9
50/49																																				3
48/47																																			3	
46/45																																			2	
44/43																																				
42/41																																				
40/39																																				
38/37																																				
36/35																																				
Element (X)	Σ x <sup>2</sup>		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	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-63,67-70

STATION

STATION NAME

YEARS

SEP

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
108/107															.1			1	1		
106/105															.1		.1	4	4		
104/103														.4			.1	9	9		
102/101												.1	.2	.3	.1	.2	.1	18	18		
100/99												.1	.3	.3	.1	.2	.2	25	25		
98/97											.1	1.0	.7	.8	.3	.3	.2	62	62		
96/95									.2	1.8	1.9	1.9	1.2	.1	.1		126	126			
94/93								.1	.3	1.7	2.5	2.2	1.2	.6	.5	.2	167	167			
92/91				.1				.3	1.9	2.8	1.8	1.3	1.3	.4	.2	.1	181	181			
90/89							.2	1.1	2.5	2.4	1.0	.8	1.0	.2	.2		169	169			
88/87						.2	1.2	1.6	1.8	.8	.6	1.0	.6	.4	.2		147	147			
86/85					.1	.8	1.3	1.6	1.2	.6	.7	.7	.2	.3			139	139	1		
84/83					.3	1.2	1.5	1.4	.4	.6	.6	.3	.3	.1			121	121		1	
82/81				.2	1.1	.9	.9	.9	1.1	.8	1.0	.2	.2				131	131			
80/79			.1	.7	.9	.9	.6	.7	.8	.9	.5						107	107	7		
78/77			.2	.3	.3	.3	1.1	.6	1.0	.6	.2	.1					93	93	71		
76/75		.3	.7	.2	.3	.3	.7	.5	.6	.2	.1						70	70	248	3	
74/73	.1	.3	.5	.1	.4	.3	.3	.5	.2	.1	.1						53	53	334	26	
72/71	.2	.3	.1	.2	.3	.3	.3	.4	.2	.1							49	49	275	122	
70/69		.4	.6	.3	.1	.1	.2	.2	.1								35	35	188	161	
68/67		.5	.1	.3	.1	.2	.1	.1	.1		.1						25	25	147	211	
66/65	.1	.1	.1	.1				.1									6	6	193	220	
64/63		.3	.2	.1			.1		.1								12	12	122	189	
62/61		.2						.1		.1							4	4	104	125	
60/59		.3	.2			.1		.1									10	10	62	120	
58/57		.1	.2														6	6	28	118	
56/55			.1														1	1	14	99	
54/53																			10	86	
52/51																			3	85	
50/49																			2	63	
48/47																			2	42	
46/45																				30	
44/43																				30	
42/41																				15	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	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 84 0-26-5 (01A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥31	Dry Bulb	Wet Bulb
108/107																.1	3	3		
106/105														.1	.1	.1	4	4		
104/103														.2	.1	.3	10	10		
102/101													.1	.2	.2	.3	14	14		
100/99												.1	.6	.4	.3	.5	59	59		
98/97											.1	.7	1.3	1.1	.7	.3	77	77		
96/95										.4	1.0	2.7	2.4	2.1	.9	.5	169	169		
94/93								.1	.2	1.2	3.0	2.8	1.8	.7	.2	.1	177	177		
92/91						.1	.1	1.1	1.0	2.1	.5	1.5	1.0	.6	.1	.1	154	154		
90/89					.5	1.2	2.4	1.8	1.2	1.0	1.6	.5	.5	.5	.1		187	187		
88/87					.7	1.8	1.6	1.1	.7	.9	.5	.7	.5	.7	.2		144	144		
86/85					.4	.7	1.5	1.5	.7	.7	.5	.5	.2				118	118		
84/83				.1	.1	.9	1.2	1.1	1.2	1.0	.6	.7	.4	.1			127	127		
82/81				.2	.6	1.0	.7	.4	1.2	1.1	.7	.3	.1				111	111	1	
80/79			.2	.7	.8	.3	.6	.9	1.0	.9	.5	.1	.1				106	106	8	
78/77			.9	.5	.6	.3	.5	.6	.3	.7	.3	.1					78	78	48	
76/75		.5	1.0	.9	.1	.4	.2	.6	.6	.1	.1	.2					76	76	192	4
74/73	.1	.3	.3	.1	.6	.3	.2	.5	.1								43	43	318	29
72/71	.1	.4	.4	.6	.2	.1	.3	.2									38	38	324	82
70/69		.4	.2	.4	.1		.1	.1	.2	.1							26	26	206	133
68/67	.1	.2	.2	.1			.1		.1								12	12	178	184
66/65		.2	.4	.1					.3								18	18	161	187
64/63		.2	.2														6	6	128	192
62/61		.1			.1												2	2	91	151
60/59		.1	.1	.1													4	4	60	157
58/57		.1		.1	.1												5	5	21	108
56/55																			11	116
54/53																			6	97
52/51																			3	79
50/49																			6	54
48/47																				67
46/45																				46
44/43																				32
42/41																				22
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVERSE AIRWAYS EXTENSIONS OF THE FORM ARE OBSOLETE JAN 64



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03043 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

SEP

STATION MONTH  
1800-2000  
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
102/101														.1				1	1		
100/ 99														.1				2	2		
98/ 97														.1				3	3		
96/ 95										.2			.2	.3				22	22		
94/ 93								.1	.2	.5		.5	.7	.3	.1			39	39		
92/ 91								.1	.2	.8	1.3	.9	.4	.4		.1		67	67		
90/ 89						.1	.1	.3	1.2	2.0	1.2	1.0	.6	.3	.1			118	118		
88/ 87						.1	.6	1.5	2.3	1.3	1.2	.6	.3	.1				144	144		
86/ 85					.1	.3	1.2	1.9	1.6	.9	1.0	.5	.3	.1				137	137		
84/ 83		.1		.1	.2	1.2	2.1	1.6	1.0	1.2	.6	.3	.1					147	147		
82/ 81			.2	1.2	1.4	1.6	1.3	1.0	.8	.8	.2	.1						148	148	1	
80/ 79	.1		.1	1.0	1.6	1.3	1.0	1.3	1.1	.7	.6	.2						156	156	3	
78/ 77		.1	.8	1.0	1.6	1.0	1.0	1.0	.6	.8	1.0	.2	.1					143	143	14	
76/ 75		1.1	1.3	1.0	1.0	1.0	.6	.8	.8	.6	.2							145	145	66	7
74/ 73	.1	1.1	1.0	.9	.9	.7	.6	.6	.5	.5								111	111	226	27
72/ 71	.2	1.0	.9	1.2	.9	1.0	.8	.5	.2	.2	.1							121	121	304	114
70/ 69	.1	.5	.5	.9	.2	.6	.4	.2	.1									61	61	259	120
68/ 67	.1	.9	.7	.8	.5	.4	.3		.1									65	65	180	179
66/ 65	.1	.8	.5	.2	.4	.6	.1	.1	.1									50	50	199	188
64/ 63		.3	.3	.2	.2	.1	.1	.1										25	25	154	190
62/ 61		.1	.1	.1	.2	.1	.1											9	9	116	178
60/ 59			.1	.1	.1	.1												6	6	85	124
58/ 57		.1			.1	.2												6	6	67	122
56/ 55				.1	.1	.1												3	3	27	105
54/ 53																				10	99
52/ 51																				8	70
50/ 49																				6	59
48/ 47																				4	58
46/ 45																					28
44/ 43																					21
42/ 41																					18
40/ 39																					5
38/ 37																					12
36/ 35																					2
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Daw Point																					

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





4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-65,67-70

SEP

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89								.2	.5	.2	.1							5	5		
88/ 87								.2	.5	.2	.1							18	18		
86/ 85					.2	.2	.6	.8	.6	.4	.2	.1	.1					57	57		
84/ 83					.2	.5	1.4	1.6	.6	.5	.5	.2						92	92		
82/ 81		.1	.1	.2	.8	1.7	2.8	1.3	.9	.2	.2							149	149		
80/ 79		.1	.1	1.3	2.1	2.8	1.6	1.1	.8	.2	.1							177	177	1	
78/ 77		.1	.7	1.7	1.5	1.4	1.4	1.0	.7	.4	.2	.1						159	159	8	3
76/ 75	.1	.8	2.0	2.3	1.4	1.3	1.2	.6	.8	.2	.1							189	189	20	5
74/ 73	.2	2.7	2.3	1.9	1.1	1.1	.7	.7	.3	.2								193	193	125	24
72/ 71	.5	1.9	1.4	1.0	1.3	.7	.9	.8	.3	.2								145	145	265	118
70/ 69	.2	1.4	2.1	1.4	.8	.9	.5	.5	.1	.1								139	139	278	139
68/ 67		1.0	1.9	1.1	1.0	.9	.3	.5	.1									118	118	179	183
66/ 65	.2	1.9	1.3	1.2	.8	.6	.2	.1										108	108	205	188
64/ 63	.1	.9	.9	1.0	.8	.6	.1	.1										76	76	177	186
62/ 61	.1	.8	.9	.9	.3	.1	.1											53	53	121	136
60/ 59		.2	.5	.6		.1	.1											26	26	120	140
58/ 57		.1	.3	.1	.2	.1												14	14	89	113
56/ 55			.1	.1	.3	.1												9	9	72	107
54/ 53				.1		.1												2	2	38	86
52/ 51				.1	.1													2	2	8	73
50/ 49																				12	63
48/ 47																				6	40
46/ 45																				2	22
44/ 43																				1	22
42/ 41																					21
40/ 39																					9
38/ 37																					6
36/ 35																					3
TOTAL	1.3	11.9	14.6	15.1	12.7	13.2	11.7	9.1	6.0	2.7	1.6	.3	.1					1727	1727	1727	1727
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	X <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	8192295	115333	66.8	16.850	1727	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	9495807	127499	73.8	6.932	1727			74.9	53.9	21.6		90									
Wet Bulb	7527883	113575	65.8	5.831	1727			45.7	8.0			90									
Dew Point	6560857	109601	61.1	7.749	1727			25.6	1.7			90									

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
82/ 81						.1	.1											2	2				
80/ 79				.1	.1	.1	.1											5	5				
78/ 77			.2	.4	.4	.1												21	21				
76/ 75		.4	.8	.8	.4	.2	.1									.1		48	50				
74/ 73		.4	1.2	.9	.8	.2	.3	.2	.1							.1		75	75	17	8		
72/ 71		1.3	.7	1.0	1.0	.6	.1	.1		.1								91	92	43	15		
70/ 69	.3	1.2	1.7	1.4	.9	.3	.3	.1		.1								119	116	82	66		
68/ 67	.5	1.8	1.6	1.5	1.1	.8	.8	.3	.1									155	156	79	63		
66/ 65	.5	2.0	1.6	1.2	1.0	.8	.4	.1	.1									142	145	111	74		
64/ 63	.3	2.5	1.0	1.8	1.0	.6	.3	.3										145	146	136	111		
62/ 61	.6	2.0	2.6	1.5	.7	.2	.2	.1	.1									145	146	135	127		
60/ 59	.4	2.0	2.0	1.3	.9	.8	.3	.1										145	145	122	104		
58/ 57	.2	1.3	1.6	1.2	.8	.8	.3	.1										111	111	163	109		
56/ 55	.3	1.3	1.6	1.5	1.2	.6	.4	.1										129	129	147	109		
54/ 53	.4	1.6	1.6	1.8	.9	.3												124	124	108	140		
52/ 51	.1	2.3	2.3	1.6	.7	.2												136	136	119	89		
50/ 49		1.3	1.5	1.2	1.1	.2												98	98	140	122		
48/ 47	.2	.9	.7	.6	.4													54	54	148	123		
46/ 45		.5	.6	.4	.6	.1	.1											41	41	101	107		
44/ 43	.1	.6	.3	.5	.2	.1												33	33	71	83		
42/ 41		.2	.4	.4														18	18	91	83		
40/ 39	.2	.1	.4	.1	.1													15	15	32	82		
38/ 37		.2	.1		.1													5	5	22	67		
36/ 35		.2																3	3	22	43		
34/ 33		.1																2	2	4	42		
32/ 31																				4	35		
30/ 29																				1	20		
28/ 27																					16		
26/ 25																					12		
22/ 21																					1		
18/ 17																					4		
16/ 15																					2		
TOTAL	4.0	24.6	23.7	21.2	14.2	6.6	3.8	1.3	.3	.1	.1							1658	1668	1858	1857		
Element (X)	Zx'	Zx	X	X'	No. Obs.	Mean No. of Hours with Temperature					Total												
Rel Hum.	10802898	138662	74.6	8.646	1858	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	6940777	112659	60.3	8.832	1868			25.7	7.6			93											
Wet Bulb	5875948	103166	58.5	8.904	1858			.3	11.1	.9		93											
Dew Point	5166848	95828	51.6	10.931	1857			4.5	7.6	.4		93											

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

067

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0300  
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
78/77				.1	.1													3	4		
76/75		.1	.9	.4														27	29		
74/73		1.2	1.1	.3	.1													49	50	7	3
72/71		1.9	1.0	.9	.1	.1	.2	.1		.1								80	61	51	23
70/69	.4	1.1	1.9	1.1	.2	.1	.2	.1		.1								91	92	68	61
68/67	.3	1.4	1.5	.9	.3	.1	.1	.1	.1									87	89	70	58
66/65	.7	2.1	2.0	1.1	.6	.2	.2	.1										131	132	88	70
64/63	.7	3.1	1.2	1.1	.9	.7	.3	.1										148	150	110	97
62/61	1.2	2.7	2.0	1.4	.7	.3	.1	.1										157	160	130	130
60/59	.4	2.4	2.0	1.5	.6	.5	.2											146	150	107	110
58/57	.6	2.8	1.8	1.2	.6	.5	.1											143	145	130	63
56/55	.5	2.3	1.3	.9	.8	.2	.2											117	117	159	121
54/53	.2	1.5	1.6	1.0	.9	.6	.2											110	110	113	128
52/51	.3	3.1	1.9	1.6	.5	.2												143	143	116	104
50/49	.1	2.9	2.8	1.3	.6	.2												149	149	142	110
48/47	.1	2.4	1.3	1.2	.3													100	100	143	120
46/45	.2	1.2	1.2	.6	.4	.2												71	71	146	121
44/43	.1	.3	.7	.6	.2													34	34	76	102
42/41	.2	1.0	.7	.4	.1													45	45	68	98
40/39	.2	.4	.4	.1														18	18	59	61
38/37		.6	.4	.1														19	19	32	54
36/35		.1	.1	.2														7	7	28	76
34/33		.2	.1															4	4	11	29
32/31	.1	.1																3	3	7	38
30/29																				4	23
28/27																					26
26/25																					9
24/23																					1
20/19																					1
18/17																					3
16/15																					2
TOTAL	6.1	35.0	27.6	17.9	7.8	3.9	1.4	.3	.1	.1								1882	1902	1882	1882
Element (X)	Σx <sup>2</sup>		Σx		Σ	Σ <sup>2</sup>	No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.	12237056		149350		79.4	14,308	1882		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	6312828		109966		57.8	9,030	1902				.1	16.9	4.1		93						
Wet Bulb	9677227		101885		54.1	9,266	1882				.3	9.7	.3		93						
Dew Point	5119060		93952		51.0	10,986	1882		9.1	7.2	.1				93						

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

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

OCT  
MONTH

PAGE 1 0600-0800  
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															
80/79					.1																											2	2		
78/77			.2	.4	.1	.1																										14	14		
76/75		.3	.5	.3																												28	22		
74/73		1.3	1.2	.4																												61	62	14	
72/71	.2	1.8	1.2	.6	.2	.1	.1																									80	82	62	
70/69	.2	1.8	1.9	.8	.3	.1	.1																									98	98	63	
68/67	.5	1.5	1.5	.8	.5	.3	.2	.1	.1																							105	106	83	
66/65	.4	2.1	1.9	.8	.8	.3	.1	.1	.2																							124	129	82	
64/63	.6	3.6	1.2	.7	.5	.3	.3	.1	.2																							141	142	127	
62/61	1.0	2.5	1.7	1.6	.7	.5	.2	.1																								161	163	124	
60/59	.6	2.2	1.7	1.3	.8	.7	.3	.1																								145	149	113	
58/57	.4	3.0	1.5	1.1	.8	.4	.1	.1																								139	143	132	
56/55	.4	1.8	1.9	1.1	.8	.2	.2																									120	120	138	
54/53	.2	1.7	1.9	1.2	.8	.4	.1	.1																								120	120	129	
52/51	.5	2.2	1.7	1.3	.6	.4																										131	131	129	
50/49	.3	2.0	2.1	1.2	.9	.4																										122	122	144	
48/47	.2	2.2	1.7	.7	.4	.1	.1																									101	101	131	
46/45	.1	1.7	1.4	.7	.1	.1																										79	79	136	
44/43		.6	.8	.4	.1	.1																										36	36	81	
42/41	.1	.7	.5	.2	.1																											30	30	74	
40/39		.6	.5	.4																												28	28	51	
38/37		.5	.1																													12	12	34	
36/35	.1	.3	.2	.1																												12	12	25	
34/33		.1	.1	.1																												3	3	8	
32/31	.1	.2																														5	5	7	
30/29																																	6		22
28/27																																			23
26/25																																			0
24/23																																			5
20/19																																			1
18/17																																			4
TOTAL	6.0	34.7	27.4	16.2	8.1	4.8	1.7	.5	.4	.1																							1891	1913	1890
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	C <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel Hum.	12209267	149297	79.0	14.943	1891	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	6641478	111340	58.2	9.184	1913		.2	18.8	4.9	.1	93																								
Wet Bulb	5762762	102866	54.4	9.402	1891		.6	10.9	.7	93																									
Dew Point	5186976	96730	51.2	11.176	1890		4.6	8.6	.0	93																									

USAFETAC FORM 0-26-5 (OL A) 1 JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

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
98/97																		1	1	
92/91																		3	3	
90/89																		11	11	
88/87																		14	14	
86/85																		29	29	
84/83																		38	38	
82/81																		67	87	
80/79																		103	103	
78/77																		123	124	1
76/75																		144	145	19
74/73																		127	129	61
72/71																		137	138	68
70/69																		137	142	117
68/67																		132	134	164
66/65																		158	159	171
64/63																		136	136	147
62/61																		112	114	142
60/59																		120	122	126
58/57																		74	75	128
56/55																		55	55	153
54/53																		30	30	133
52/51																		32	32	113
50/49																		24	24	98
48/47																		19	19	71
46/45																		12	12	61
44/43																		4	4	45
42/41																		8	8	25
40/39																		1	1	10
38/37																		2	2	5
36/35																				3
34/33																				1
32/31																				1
30/29																				1
28/27																				14
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (DLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE UNUSABLE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
104/103																	.1	2	2							
100/99																	.1	2	2							
98/97																	.1	3	3							
96/95																	.1	11	11							
94/93																	.1	22	22							
92/91																	.1	42	42							
90/89																	.1	67	67							
88/87																	.1	92	92							
86/85																	.1	133	137							
84/83																	.1	176	177							
82/81																	.1	147	150							
80/79																	.1	137	138							
78/77																	.1	127	132	7						
76/75																	.1	129	131	42						
74/73																	.1	119	119	68 15						
72/71																	.1	127	127	103 28						
70/69																	.1	114	114	178 40						
68/67																	.1	93	92	194 80						
66/65																	.1	83	86	191 95						
64/63																	.1	61	61	158 120						
62/61																	.1	45	45	142 118						
60/59																	.1	36	39	158 105						
58/57																	.1	37	37	158 135						
56/55																	.1	29	29	121 111						
54/53																	.1	16	16	103 120						
52/51																	.1	12	12	72 76						
50/49																	.1	8	8	66 97						
48/47																	.1	9	9	52 124						
46/45																	.1	1	1	40 92						
44/43																	.1	7	7	22 71						
42/41																	.1	3	3	9 89						
40/39																	.1			5 87						
38/37																	.1			2 70						
36/35																	.1			1 42						
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.															Mean No. of Hours with Temperature						
Rel. Hum.					≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total															
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 44 JUL 64 0-26 5 (O/L A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

OCT

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥31	Dry Bulb	Wet Bulb
104/103																	.1	2	2	
102/101																	.1	1	1	
100/99																.1	3	3		
98/97														.1		.1	3	3		
96/95											.1	.1	.1	.2	.1	.2	13	13		
94/93											.1	.3	.2	.3	.2	.3	36	36		
92/91								.1	.2	.5	.5	.1	.4	.7	.3	.4	62	62		
90/89							.1	.5	.4	.2	.7	1.0	.6	.4	.2	.1	77	77		
88/87							.3	.5	.6	.9	1.1	.3	.7	.3	.3		93	93		
86/85						.2	.6	.7	2.1	1.3	1.2	.9	.5	.6	.1		154	155		
84/83						.7	.8	1.3	1.7	1.5	.8	.6	.3	.5	.1		157	160		
82/81			.1	.2	.2	.5	1.3	1.3	1.3	1.4	.5	.5	.5	.1			149	148		
80/79				.1	.4	.7	1.0	1.0	1.2	.8	1.2	.8	.2	.1			142	143		
78/77			.1	.2	.3	.6	1.3	.8	.8	1.3	1.3	.6	.1				142	146	6	
76/75			.1	.6	.3	.8	1.0	1.0	.8	1.4	.9	.7	.2				148	151	43	
74/73	.1	.1	.3	.2	.5	.5	1.0	.4	1.7	1.4	.7	.5	.1				140	140	61	
72/71		.3	.2	.4	.4	.4	.6	.6	1.0	1.2	.5	.1					103	103	98	
70/69	.1	.4	.1	.4	.5	.3	.3	.8	.6	.7	1.0	.1					100	100	178	
68/67		.2	.2	.2	.2	.3	.5	.4	.6	.6	.4	.1					69	69	193	
66/65	.2	.2	.2	.2	.5	.5	.1	.7	.6	.4	.2						67	69	194	
64/63		.2	.2	.3	.3	.4	.3	.1	.3	.2							44	49	182	
62/61	.1	.5	.6	.1	.2	.2	.3	.4	.5	.2							51	51	143	
60/59		.3	.1	.2		.3	.2	.5	.1								30	32	147	
58/57	.1	.2	.1		.1	.2	.2	.2	.1								19	20	171	
56/55		.2	.1	.3		.4	.4	.1	.1								28	28	112	
54/53		.5	.2	.1		.1	.1	.2	.1								22	22	95	
52/51		.3	.1	.1		.1	.1										12	12	77	
50/49			.2			.1	.1										8	8	69	
48/47			.1	.1													2	2	46	
46/45		.2	.2														7	7	39	
44/43		.3															6	6	13	
42/41																			13	
40/39	.1	.1															3	3	7	
38/37																				
Element (X)	Σx²		Σx		Σ		Σ²		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



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

OCT

STATION

STATION NAME

YEARS

MONTH

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
94/ 93													.1	.1				2	2		
92/ 91																		1	1		
90/ 89													.1	.1				3	3		
88/ 87								.1	.2	.1	.1	.2	.1	.1	.1			17	17		
86/ 85						.1	.3	.4	.1	.1	.2	.1	.1	.3				28	28		
84/ 83					.1	.3	.5	.3	.2	.4	.2	.1		.1				39	39		
82/ 81			.2	.3	.5	.5	.7	.6	.2	.5	.2							68	68		
80/ 79		.1	.4	.6	.7	.7	.6	.2	.3	.6	.3	.1						85	85		
78/ 77	.1	.2	.2	1.4	1.0	1.1	1.5	.8	.3	.4	.1							131	133		
76/ 75	.1	.2	1.3	.7	1.8	1.2	1.0	.4	.3	.4	.1							141	143	13	1
74/ 73	.1	.2	.7	1.1	1.0	1.5	2.0	.7	.6	.5	.1							154	158	40	8
72/ 71	.1	.5	.3	.9	1.2	1.6	1.3	.8	.7	.3	.2							145	147	58	26
70/ 69	.1	.4	.8	1.1	.7	1.8	.7	.9	.7	.3	.1							139	140	118	38
68/ 67	.2	.6	.9	1.5	1.2	1.0	1.3	.9	.7	.3								157	157	109	79
66/ 65	.2	1.0	.5	.8	.8	1.4	.9	.7	.4	.1								124	124	159	84
64/ 63	.6	.3	.8	1.1	1.3	1.0	.8	.4	.2									118	118	182	98
62/ 61	.1	.7	.5	.5	.9	1.0	1.0	.5	.1	.1								98	99	183	114
60/ 59	.1	.6	.4	.9	1.0	1.2	.6	.2	.2									95	97	150	119
58/ 57	.7	.3	1.0	.7	.9	.4	.3	.1										80	82	114	116
56/ 55	.3	.5	.2	.8	.7	.5	.1											57	57	170	153
54/ 53	.3	.3	.3	.4	.3	.2	.1											38	36	114	98
52/ 51	.2	.8	.3	.4	.3	.2	.1											42	42	114	94
50/ 49	.3	.2	.2	.3	.1	.1												23	23	100	126
48/ 47	.1	.3	.1	.2	.1	.1												16	16	72	104
46/ 45	.1	.2				.1												6	6	47	86
44/ 43	.4	.2	.1															12	12	31	93
42/ 41	.1	.1	.1															6	6	26	79
40/ 39	.1	.1																2	2	14	82
38/ 37	.1																	2	2	11	61
36/ 35																				2	42
34/ 33																					46
32/ 31																					26
30/ 29																					13
28/ 27																					18
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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



4

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-7300  
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
86/85											.1							1	1		
84/83											.1	.1						3	3		
82/81						.1	.2	.2	.1							.1		10	10		
80/79				.1	.4	.9	.3	.1	.1	.2					.1		39	39			
78/77			.2	.6	.7	.4	.2	.2			.2						43	43			
76/75		.5	.4	.7	1.1	.8	.7	.4	.1	.3	.1						94	94	3	2	
74/73		.2	1.0	1.0	.8	1.0	.4	.3	.2	.2							94	94	26	6	
72/71	.1	.9	1.3	1.3	1.3	.9	.6	.4	.4	.2	.1						135	136	48	20	
70/69	.4	.8	1.1	1.8	1.1	1.5	.7	.7	.2	.1							150	152	86	49	
68/67	.3	1.2	1.8	1.2	1.5	1.0	.8	.2	.3	.1							153	153	97	81	
66/65	.3	1.0	1.7	1.8	1.9	.7	.3	.5	.2	.1							152	154	120	80	
64/63	.6	1.3	1.3	1.2	.7	1.3	.2	.6									128	128	152	103	
62/61	.2	1.3	1.3	1.0	1.5	.6	.6	.7									128	128	132	104	
60/59	.2	.6	.8	1.3	1.3	.8	.4	.4									108	108	161	120	
58/57	.2	1.4	.9	1.4	1.2	1.2	.7	.1									129	129	144	98	
56/55		1.0	1.8	1.8	1.3	.9	.4	.1									132	132	113	143	
54/53	.2	.6	1.4	1.0	1.0	.4	.1	.1									86	86	145	116	
52/51	.2	.9	.6	1.2	.6	.3	.2	.1									79	79	122	89	
50/49	.2	.5	.4	.8	.2	.3	.1	.1									49	49	127	122	
48/47		.6	.7	.5	.3	.1	.1										40	40	107	113	
46/45		.3	.3	.3	.1	.2											23	23	99	93	
44/43		.3	.2	.1	.2	.1											14	14	40	85	
42/41		.4	.3	.1		.1											14	14	36	71	
40/39	.1	.2	.1														7	7	26	87	
38/37	.1	.3															7	7	23	65	
36/35																			9	49	
34/33																			2	34	
32/31																				39	
30/29																				11	
28/27																				9	
26/25																				10	
24/23																				4	
22/21																				1	
20/19																				3	
Element (X)	Σ x'		Σ x		R	σ <sub>x</sub>	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 (OL A) JUL 64  
 USAFETAC  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WDLTERS AAF TEX/MINERAL WELLS 49-69

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200  
 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															
76/ 75				.1																												2	2		
74/ 73			.2	.1																												6	6		
72/ 71		.4	.2	.2																												14	14		
70/ 69		.5	.5	.6	.1																											35	35	12	1
68/ 67		.1	.9	.7	.2																											38	38	20	16
66/ 65		1.1	1.2	.3	.2																											49	49	9	17
64/ 63	.2	1.1	.8	.3	.1																											54	54	38	30
62/ 61	.3	1.4	.7	.5	.1																											58	58	60	66
60/ 59	.7	1.3	.5	.2	.3																											71	71	54	52
58/ 57	.5	1.3	.7	.5	.5																											105	105	57	60
56/ 55	.5	1.9	1.5	1.1	.8																											107	107	66	46
54/ 53	.7	1.7	1.7	1.1	.5																											98	98	81	64
52/ 51	.2	1.4	1.6	1.2	.8																											134	134	111	54
50/ 49	.8	2.7	1.8	1.8	.6																											119	119	116	87
48/ 47	.8	1.6	1.8	1.8	1.1																											107	107	103	77
46/ 45	.1	1.9	2.1	1.3	.5																											136	136	123	82
44/ 43	.1	2.1	2.7	1.1	.5																											124	124	134	75
42/ 41	.2	2.4	2.7	1.7	.4																											119	119	143	120
40/ 39	.1	2.6	2.1	1.5	.6																											75	75	111	116
38/ 37	.3	1.4	1.4	1.2	.1																											51	51	108	131
36/ 35	.1	.9	1.1	.8	.2																											48	48	74	100
34/ 33	.2	1.0	1.0	.6																												28	28	60	92
32/ 31	.2	.5	.6	.4																												30	30	42	64
30/ 29		.8	.7	.2																												16	16	32	69
28/ 27		.4	.3	.2																												9	9	24	44
26/ 25		.2	.1	.2																												8	8	11	43
24/ 23	.1	.2	.2																													2	2	9	49
22/ 21		.1	.1																													1	1	1	20
20/ 19		.1																														1	1	1	23
18/ 17		.1																														1	1	1	16
16/ 15		.1																																	3
14/ 13																																			6
12/ 11																																			9
10/ 9																																			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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





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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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STATION

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YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
76/75				.2														3		3																
74/73			.1															2		2																
72/71		.3	.2															8		8																
70/69	.1	.5	.2	.1						.1								18	18	14	2															
68/67	.1	.6	.3	.2						.1	.1							24	24	14	19															
66/65		1.1	1.1	.2						.1		.1						45	45	14	15															
64/63	.3	1.1	.9	.3	.1					.1		.1						47	47	35	20															
62/61	.4	2.0	.8	.2	.1	.1				.1								63	63	50	43															
60/59	.6	1.8	.2	.2		.1	.2			.1								54	54	75	63															
58/57	1.0	1.4	.7	.3	.4	.1		.2										76	76	58	65															
56/55	.6	1.6	.4	.5	.3	.3	.1											69	69	50	51															
54/53	1.2	1.9	1.1	1.1	.5	.3	.1											109	109	69	56															
52/51	.3	2.2	1.4	.6	.6	.2	.3	.1										101	101	77	60															
50/49	.2	1.8	1.7	1.3	.7	.3	.1											108	108	70	46															
48/47	1.3	2.2	1.6	.8	.3	.1	.1											111	111	120	70															
46/45	1.3	2.4	2.4	1.0	.2	.4												135	135	128	98															
44/43	.2	2.0	2.3	1.0	.2	.1												103	103	121	82															
42/41	.2	3.5	2.1	.7	.2	.1												120	120	102	79															
40/39	.1	3.5	3.0	1.1	.2	.1	.1											139	139	152	115															
38/37	.5	2.3	2.7	.7	.3													116	116	120	115															
36/35	.2	2.2	1.1	1.1	.2													83	83	117	127															
34/33	.4	1.9	1.0	.3														65	65	103	98															
32/31	.3	1.4	1.3	.2														55	55	82	119															
30/29		.7	1.0	.1														31	31	51	82															
28/27	.1	1.3	.4	.2														35	35	53	68															
26/25		.5	.3	.1														14	14	33	43															
24/23		.1	.2	.1														7	7	16	51															
22/21	.1	.5	.3															14	14	9	55															
20/19																					11	34														
18/17																					5	21														
16/15		.1																2	2		18															
14/13		.1																2	2	4	11															
12/11																						9														
10/9																						6														
Element (X)	Σ X <sup>2</sup>	Σ X	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) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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STATION NAME

YEARS

PAGE 2

0300-0500  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
8/ 7																					2				
6/ 5																					4				
4/ 3																					7				
2/ 1																					2				
0/ -1																					1				
<b>TOTAL</b>	9.4	40.8	28.9	12.6	4.3	2.3	.9	.4	.3	.1	.1							1759	1759	1757					
																	1759		1759						

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	11198622	137470	78.2	15.984	1758							
Dry Bulb	4001451	81745	46.5	10.734	1759		8.2	2.8	.3			90
Wet Bulb	3526117	76439	43.5	10.791	1759		13.3	1.4				90
Dew Point	2042369	69461	39.5	12.990	1757	.1	27.3	1.1				90

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

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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STATION NAME

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PAGE 1 0600-0800  
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															
76/75				.1																											2	2			
74/73			.2	.1																											4	4			
72/71		.2	.3		.1																										12	12			
70/69	.1	.3	.2	.2	.1	.1																									15	15	13	5	
68/67		.4	.7	.1																											24	24	11	10	
66/65	.1	.6	1.2	.2	.1																										37	37	17	18	
64/63	.5	1.8	.3	.1																											51	51	44	26	
62/61	.7	1.9	.3	.2																											59	59	67	59	
60/59	.6	1.5	.6	.1	.2																										56	56	53	65	
58/57	.4	1.5	.9	.3	.2	.2																									58	58	45	39	
56/55	.8	1.7	.7	.8	.6	.3																									91	91	54	47	
54/53	1.1	1.9	.9	.5	.4	.4	.1																								95	95	74	72	
52/51	.6	2.2	1.7	1.1	.6	.4																									119	119	67	54	
50/49	.3	2.4	1.3	1.2	1.1	.2	.1																								115	118	92	46	
48/47	.7	2.0	1.6	.9	.8	.2																									113	113	102	69	
46/45	.8	2.5	2.4	.8	.4	.1																									126	126	123	91	
44/43	.7	2.6	1.7	.9	.2	.1																									114	114	126	90	
42/41	.3	3.1	1.9	1.4	.6																										124	124	143	86	
40/39	.6	3.0	2.2	.9	.2	.2																									129	129	127	114	
38/37	.2	2.4	2.2	1.3	.2																										114	114	113	125	
36/35	.7	2.5	1.9	.7	.3	.1																									113	113	131	115	
34/33	.2	1.6	1.4	.2																											61	61	104	110	
32/31	.3	1.0	1.0	.1																											44	44	93	101	
30/29	.2	1.2	1.2	.2	.1																										52	52	63	88	
28/27		.6	.9	.1																											32	32	54	70	
26/25	.1	.9	.2	.1																											22	22	37	68	
24/23		.1	.3																												8	8	23	62	
22/21	.1	.1	.3																												8	8	13	47	
20/19		.1	.2																												6	6	8	37	
18/17			.2																												3	3	5	24	
16/15		.1																													2	2	4	22	
14/13																																			
12/11																																			
10/9																																			
Element (X)	Σ X <sup>2</sup>		Σ X		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	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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PAGE 2 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
8/ 7																					8
6/ 5																					4
4/ 3																					6
2/ 1																					6
0/ -1																					1
-2/ -3																					1
-4/ -5																					1
TOTAL	10.0	40.6	27.9	12.4	6.0	2.3	.5	.2	.2	.1								1812		1809	
																		1812		1812	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11477814	141186	77.9	16.229	1812							
Dry Bulb	4067560	83588	46.1	10.810	1812		8.8	2.8	.3			90
Wet Bulb	3585497	78129	43.1	10.940	1812		15.1	1.2				90
Dew Point	3086325	70749	39.1	13.291	1809	.1	28.3	.7				90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

NDV

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PAGE 1 0900-1100

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															
82/ 81								.2		.1								.1														4	4		
80/ 79							.1	.1	.1									.2	.1													11	11		
78/ 77					.2	.1	.2	.1	.1									.1	.1												12	12			
76/ 75			.1	.3	.2	.5	.4	.1	.1	.2	.1							.2	.1											34	34				
74/ 73		.1	.2	.1	.8	.4	.2	.3	.1	.1								.3	.1											40	40				
72/ 71		.1	.2	.5	.7	.2	.1	.1	.3	.1	.1							.1	.1											45	45	2			
70/ 69		.2	.6	.6	.6	.7	.4	.2	.3	.2	.3							.2	.1		.1								73	73	20	5			
68/ 67	.1	.3	.4	.3	.3	.5	.4	.7	.3	.1								.1			.1								64	64	26	16			
66/ 65	.1	.6	.7	.7	.7	.6	.8	.7	.4	.2	.1							.2	.1		.1								98	98	59	18			
64/ 63	.1	.4	1.0	.7	.6	.6	.8	.9	.6	.6	.1							.2	.1		.1								103	103	68	34			
62/ 61	.2	.4	.7	.8	.7	.7	.5	.6	.2									.2											86	86	50	60			
60/ 59	.2	1.0	.6	.7	.8	1.2	1.0	1.3	.2																				130	130	76	60			
58/ 57	.2	1.2	.9	.9	.8	1.0	1.0	.3	.3																				124	124	93	52			
56/ 55	.3	1.7	.7	.9	1.3	1.0	1.5	.4	.1																				144	144	91	75			
54/ 53	.1	1.3	.7	.9	.7	.9	1.0	.1																					106	106	123	75			
52/ 51	.3	1.1	.6	1.2	1.5	1.4	.6	.1																					121	121	119	76			
50/ 49	.3	.6	.7	1.6	1.3	1.3	.6																						123	123	133	68			
48/ 47	.2	.7	1.0	1.2	1.5	.9	.2																						104	104	136	79			
46/ 45	.1	.7	.9	1.3	1.2	.8	.3																						93	93	127	77			
44/ 43		1.1	.6	.7	1.0	.4	.1																						73	73	147	74			
42/ 41	.1	1.2	.6	.8	.6	.3	.1																						65	65	138	101			
40/ 39		.4	.6	.8	.3	.3	.1																						45	45	113	112			
38/ 37		.3	.3	.8	.2	.1																							30	30	83	100			
36/ 35	.1	.4	.4	.4	.2	.1																							28	28	63	96			
34/ 33	.1	.3	.3	.3	.2																								28	28	44	89			
32/ 31	.1	.1	.3	.2	.1																								14	14	39	102			
30/ 29			.1	.3	.1																								8	8	26	87			
28/ 27			.1																										2	2	16	71			
26/ 25			.1	.1																									4	4	11	66			
24/ 23																															7		68		
22/ 21			.1																										1	1	3	30			
20/ 19																																1		35	
18/ 17																																1		16	
16/ 15																																		10	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 54 0-26-5 (OL A) REVISED PER YOUR EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
90/ 89													.1	.1				2	2		
88/ 87													.1	.1				5	5		
86/ 85												.1	.2	.1				13	13		
84/ 83												.2	.4	.1				26	26		
82/ 81								.2	.5	.6	.3	.2	.4	.2				42	42		
80/ 79						.1	.4	.8	.2	.4	.6	.3	.3					56	56		
78/ 77				.1	.3	.1	.9	.9	.4	.7	.7	.2						76	76		
76/ 75				.3	.1	1.1	.6	.9	.6	1.2	.7	.4	.1					106	106		
74/ 73			.2	.2	.1	.3	.5	.8	.2	.9	.8	.1	.1					72	72		
72/ 71			.2	.2	.4	.7	1.1	1.0	1.3	.9	.8	.2						123	123	2	
70/ 69		.1	.2	.2	.6	.9	1.1	.9	1.3	1.3	.8	.1						134	134	32	
68/ 67		.1	.2	.3	.3	.4	.6	1.0	1.2	1.6	.7	.1						117	117	51	11
66/ 65			.2	.6	.6	.4	.5	.7	1.5	.9	.2							100	100	74	17
64/ 63		.2	.3	.3	.2	.4	.6	1.2	1.8	.8	.1							108	108	67	14
62/ 61	.1	.6	.4	.4		.6	.6	.7	2.1	.2								102	102	99	55
60/ 59	.2	.6	.6	.3	.2	.6	.9	2.0	.8	.1								110	110	137	61
58/ 57	.2	.7	.4	.2	.5	.5	1.2	1.4	.4	.1								102	102	128	72
56/ 55	.1	.4	.3	.2	.7	.8	.9	1.3	.2									86	86	129	77
54/ 53	.1	.7	.3	.3	.6	.7	1.2	.6	.1									31	31	128	78
52/ 51	.1	.3	.2	.6	.7	.9	.6	.3										66	66	112	76
50/ 49	.1	.4	.3	.2	.7	.6	.7	.2										56	56	147	61
48/ 47	.1	.7	.3	.4	.3	.4	.5											48	48	141	79
46/ 45	.1	.6	.3	.7	.3	.3	.5											49	49	150	75
44/ 43		.4	.4	.3	.2	.3	.3	.1										37	37	109	91
42/ 41	.1	.4	.4	.1	.5	.3												31	31	93	87
40/ 39		.4	.4	.1	.2	.2	.2											26	26	58	95
38/ 37		.3	.1	.3	.1	.2												16	16	58	94
36/ 35		.4	.1	.1	.1													13	13	32	85
34/ 33	.1	.1		.1														4	4	30	113
32/ 31			.1	.1														3	3	21	97
30/ 29			.1															1	1	7	91
28/ 27			.1															1	1	9	82
26/ 25																				2	77
24/ 23																				1	58
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

NOV  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
90/89																		1	1		
88/87													.1	.2				11	11		
86/85												.1	.1	.1	.3	.3	.1	17	17		
84/83												.2	.4	.1	.4	.6		33	33		
82/81							.1	.1	.3	.3	.2	.1	.1	.4	.4		33	33			
80/79							.1	.4	.8	.6	.6	.5	.8	.2			70	70			
78/77				.1	.2	.1	.8	1.0	.9	1.0	.9	.4	.2				103	103			
76/75				.1	.1	.7	.5	.9	1.0	.7	.6	.4	.2				93	93			
74/73			.2	.3	.1	.9	.6	.7	.8	1.0	1.3	.2					104	108			
72/71		.2	.3	.1	.4	.4	.5	1.0	1.2	1.1	.9	.2	.1				113	113		4	
70/69		.1	.1	.2	.5	.4	.6	1.0	1.3	.9	.6	.1	.1				103	103	24	2	
68/67		.1	.3	.4	.4	.3	.9	1.0	1.6	.6	.1	.1					104	104	45	14	
66/65		.2	.4	.3	.7	.4	.8	1.3	1.3	1.4	.3	.1					129	129	64	11	
64/63		.1	.4	.3	.3	.3	.6	1.0	2.0	.8	.1						108	108	101	12	
62/61	.2	.2	.1	.4	.2	.7	.7	1.3	1.6	.4							103	105	95	32	
60/59		.4	.1	.2	.2	.7	.8	1.3	1.2	.1							91	91	123	68	
58/57	.3	.8	.4	.2	.2	.8	1.0	.9	.6								92	92	141	71	
56/55	.3	.6	.6	.6	.3	.9	1.0	1.2	.1								96	96	127	70	
54/53		.4	.3	.2	.3	.7	.8	.5	.2								68	68	140	75	
52/51	.1	.2	.1	.3	.6	.3	1.4	.2	.1								58	58	118	76	
50/49	.1	.5	.5	.1	.6	.6	.6	.1									53	53	136	71	
48/47	.2	.4	.3	.2	.7	.8	.4										53	53	153	55	
46/45	.2	.4	.6	.2	.2	.3	.3	.2									45	45	146	92	
44/43		.5	.6	.3	.6	.4	.1										43	43	97	104	
42/41		.1	.4		.4	.2											19	19	87	90	
40/39	.1	.3	.3	.2	.2	.2	.1										28	28	68	115	
38/37		.1	.1	.1	.1	.1	.1										9	9	53	98	
36/35		.3	.1	.1													7	7	19	93	
34/33		.6	.1														12	12	34	89	
32/31		.2															3	3	19	96	
30/29		.1															1	1	11	93	
28/27																			3	74	
26/25																			1	79	
24/23																				07	
Element (X)	Σ X <sup>2</sup>		Σ X			Σ	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature												
Rel. Num.								≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

NOV  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21																					45
20/ 19																					35
18/ 17																					26
16/ 15																					20
14/ 13																					5
12/ 11																					9
10/ 9																					11
8/ 7																					5
2/ 1																					3
0/ -1																					2
-2/ -3																					2
TOTAL	1.3	6.9	5.7	4.6	7.3	10.4	12.3	14.9	14.5	10.0	6.5	3.3	2.0	.3				1811	1811	1810	
																		1811		1811	

Element (X)	Σx <sup>2</sup>	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4487974	81814	45.220	917	1811							
Dry Bulb	7594990	115346	63.711	714	1811		.2	39.2	23.3	6.7		90
Wet Bulb	4979951	93549	51.7	9.029	1811		1.7	3.6				90
Dew Point	3143187	71675	39.6	12.982	1810	.2	28.4	.8				90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

NOV

STATION

STATION NAME

YEARS

MONTH

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					
80/79							.1	.1	.1	.1	.1							4	4						
78/77						.2	.2	.1	.1	.1	.1							12	12						
76/75				.2	.2	.2	.2	.1	.1	.1	.1							23	23						
74/73			.2	.3	.2	.3	.3	.3	.2	.3	.1							44	44						
72/71		.1	.2	.3	.3	.3	.3	.3	.3	.3	.1							67	67	1					
70/69		.3	.4	.4	.4	.4	.4	.4	.4	.3	.1			.1				80	80	15	4				
68/67	.1	.2	.3	.3	.3	.3	.3	.3	.3	.3	.1							59	59	23	10				
66/65		.2	.3	.3	.3	.3	.3	.3	.3	.3	.1							94	94	29	15				
64/63		.4	.5	1.0	.8	.9	1.0	.9	.4	.4								104	104	57	19				
62/61	.3	.6	.7	1.0	.3	1.1	.8	.8	.2	.1								102	102	65	35				
60/59	.1	.5	.8	.9	.7	1.4	1.1	1.1	.2									114	114	83	59				
58/57	.2	1.2	.8	.7	1.5	1.2	1.2	.5	.1									129	129	95	67				
56/55	.2	1.0	.8	.8	2.1	1.4	1.1	.6	.1									134	134	128	51				
54/53	.2	1.1	.9	.8	1.5	1.4	1.0	.2										125	125	93	84				
52/51	.2	.3	.5	1.4	1.7	1.5	.8	.1										114	114	124	80				
50/49	.2	.6	.6	1.1	1.4	1.8	.2	.1										104	104	125	58				
48/47	.1	.9	.8	1.0	1.1	1.6	.1											84	84	147	65				
46/45	.1	1.3	.4	1.2	1.4	1.4												109	109	134	102				
44/43	.1	.7	1.0	.6	.9	.5		.1										67	67	137	84				
42/41		.2	.7	1.1	.7	.2	.1											51	51	129	127				
40/39	.1	.4	.5	.6	.6	.2												40	40	100	83				
38/37		.2	.1	.6	.2													20	20	79	115				
36/35	.1	.1	.2	.5	.1													16	16	61	96				
34/33		.6	.5	.3	.2	.1												30	30	35	84				
32/31		.1	.3	.2	.2													13	13	34	87				
30/29			.2	.1														6	6	27	86				
28/27			.1															1	1	11	73				
26/25																				10	68				
24/23																				4	55				
22/21																					46				
20/19																					30				
18/17																					21				
16/15																					11				
14/13																					8				
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 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

NOV  
MONTH

PAGE 1 2100-2300  
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	
76/ 75			.1	.2	.1	.1												7	7			
74/ 73			.3	.2	.1		.1	.1	.1									12	12			
72/ 71			.4	.2	.2	.1	.2											19	19		2	
70/ 69		.2	.5	.5	.7	.2	.2	.1		.2								45	45	10	2	
68/ 67	.1	.4	.4	.9	.4	.4	.1	.2										45	45	22	13	
66/ 65		.5	1.0	.6	.5	.2	.2	.1	.1	.1								56	56	13	17	
64/ 63		.6	1.0	.2	.5	.5	.3	.2										61	61	38	16	
62/ 61	.2	1.2	.9	.4	.6	.5	.1	.1	.1									68	68	65	34	
60/ 59	.6	1.2	1.5	1.0	1.0	.9	.4	.2										108	108	76	71	
58/ 57	.1	1.7	1.1	.6	1.0	.8	.4	.1										100	100	64	61	
56/ 55	.2	1.4	.9	1.5	1.2	.5	.4	.1										106	106	82	46	
54/ 53	.6	1.5	.8	1.9	1.2	1.2	.2											126	126	95	79	
52/ 51	.3	1.3	1.4	1.9	1.5	1.1	.3											134	134	92	72	
50/ 49	.1	1.4	1.6	1.9	1.5	.8	.2	.1										130	130	106	66	
48/ 47	.4	.9	1.9	2.3	1.1	.5	.1											121	121	126	67	
46/ 45	.2	1.0	1.5	1.6	1.4	.6												109	109	124	70	
44/ 43	.1	1.6	2.3	2.1	1.1	.2												127	127	147	94	
42/ 41	.1	1.1	1.7	1.5	.8	.1												90	90	126	119	
40/ 39		1.1	1.2	1.2	.4	.1												68	68	126	98	
38/ 37	.2	.3	.8	1.5	.3													52	52	116	101	
36/ 35	.1	.4	.6	.4														26	26	83	119	
34/ 33		.7	.6	.4	.2													32	32	49	101	
32/ 31	.2	.5	.3	.5	.2													28	28	54	85	
30/ 29		.2	.8	.2														19	19	25	71	
28/ 27		.1	.4	.1														9	9	25	59	
26/ 25		.1	.1	.1														4	4	20	66	
24/ 23			.1															2	2	9	53	
22/ 21																				3	35	
20/ 19																				2	21	
18/ 17																					20	
16/ 15																					14	
14/ 13																					13	
12/ 11																					11	
10/ 9																					5	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total											
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$											
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-69

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0290

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
72/ 71																		1	1		
70/ 69				.1														3	3		
68/ 67		.1	.2	.1														9	9		
66/ 65		.2	.2	.3														13	13	1	
64/ 63		.4	.4	.2														19	19	10	4
62/ 61		.7	.6	.1														29	29	12	10
60/ 59	.2	1.1	.1	.3	.1													34	34	42	21
58/ 57	.2	1.1	.4	.1	.2	.3	.1	.1										41	41	26	31
56/ 55	.6	1.2	.5	.2	.3	.1	.2	.2										54	54	34	39
54/ 53	.3	.6	.4	.2	.8	.1	.2											44	44	34	32
52/ 51	.1	1.0	.5	.6	1.3	.5		.1										68	68	38	12
50/ 49	.5	1.6	.2	1.8	.7	.4	.2											93	93	43	43
48/ 47	.5	1.4	1.3	.8	.4	.5	.1											88	88	61	37
46/ 45	.2	2.2	1.5	1.5	.9	.1												107	107	78	46
44/ 43	.8	2.8	1.9	1.9	.5	.1												136	136	128	45
42/ 41	.8	2.1	3.1	2.2	.2													143	143	125	74
40/ 39	.5	1.9	4.1	1.6	.4													149	149	141	100
38/ 37	.8	2.9	4.1	1.4	.1													157	157	136	113
36/ 35	.5	2.4	3.3	1.2	.1													130	130	179	106
34/ 33	.5	2.3	3.0	.5	.1													108	108	141	99
32/ 31	.1	2.4	2.2	.2														82	82	121	166
30/ 29	.2	2.6	1.3	.2														73	73	120	143
28/ 27	.1	1.4	.6															34	33	78	125
26/ 25		1.0	.2	.1														22	22	48	118
24/ 23		.9	.6															26	26	25	102
22/ 21		.3	.3															10	10	20	57
20/ 19	.1	.6	.2															15	15	12	59
18/ 17		.3	.1															6	6	16	43
16/ 15		.2	.1															5	5	7	13
14/ 13		.1																1	1	4	8
12/ 11		.2																3	3	3	16
10/ 9																				1	13
8/ 7																					7
6/ 5																					4
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-69

DEC

STATION

STATION NAME

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MONTH

PAGE 1 0300-0300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
70/69																		2	2		
68/67			.1	.2														6	6		
66/65			.1	.1		.2												6	6	2	
64/63	.1	.3	.3	.1			.1	.1	.1									16	16	7	3
62/61	.1	1.2	.7					.1										36	36	14	16
60/59	.1	1.3	.1	.1	.2	.1	.1											33	33	27	10
58/57	.5	.8	.2	.1	.2	.3												35	35	48	39
56/55	1.0	.9	.5	.3	.2	.1		.1										52	52	32	47
54/53	.3	.7	.3	.1	.3		.2	.1										36	36	23	23
52/51	.4	1.0	.3	.7	.5	.2		.1										54	54	40	24
50/49	.4	.9	.6	1.0	.6	.2	.3											75	75	39	28
48/47	.9	1.3	.8	.9	.6	.1												79	79	57	42
46/45	.3	1.5	1.0	1.1	.5	.4												85	85	65	42
44/43	.9	2.3	2.5	1.2	.4	.1												128	128	88	40
42/41	.9	3.0	1.7	1.3	.5													129	129	107	63
40/39	1.0	1.5	2.4	1.6	.3													119	119	155	108
38/37	1.2	2.5	3.6	1.0	.2													147	147	118	99
36/35	.2	4.4	3.0	.9														147	147	139	90
34/33	.7	3.7	3.3	.5														143	143	196	106
32/31	.5	2.9	1.8	.2														94	94	123	133
30/29	.2	4.3	1.5	.2														112	112	133	156
28/27	.5	3.2	1.0															80	80	124	128
26/25	.3	1.6	.5															38	38	80	121
24/23	.2	.7	.2															20	20	42	129
22/21	.2	.9	.2															23	23	22	90
20/19		.9	.2															19	19	17	75
18/17	.1	.3	.2															10	10	16	41
16/15	.2	.2																6	6	14	25
14/13		.3																5	5	3	11
12/11		.2																3	3	4	10
10/9		.1																1	1	4	12
8/7																					8
6/5																					8
4/3																					3
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-69  
 STATION STATION NAME YEARS

DEC  
 MONTH

PAGE 2 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1																					4
0/ -1																					2
-2/ -3																					1
-4/ -5																					1
TOTAL	11.0	3.2	7.0	11.0	4.9	1.5	.7	.3	.2									1739	1739	1739	1739
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel Hum.	10686944	133668	76.9	15.407	1739	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	2953522	69368	39.9	10.357	1739		22.0	.4				93									
Wet Bulb	2560136	64448	37.1	9.938	1739		31.1					93									
Dew Point	2093106	56878	32.7	11.549	1739	.2	51.3					93									

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

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

DEC  
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
68/67			.1														1	1		
66/65		.2	.2					.1	.1								11	11		
64/63	.1	.2	.3					.1									12	12	7	2
62/61	.2	.9	.5	.1													33	33	17	16
60/59	.2	1.2	.2	.1		.2											35	35	28	15
58/57	.5	.8	.4	.2		.2											39	39	46	45
56/55	.8	1.0	.3	.3	.6	.1											55	55	36	36
54/53	.2	.8	.5	.3	.2	.1	.1										41	41	25	27
52/51	.7	1.4	.3	.6	.1	.2	.1	.1									64	64	50	36
50/49	.5	1.0	.7	.7	.5	.1	.3										71	71	47	43
48/47	.5	1.2	.6	.9	.7	.2											74	74	67	35
46/45	.9	1.1	.9	1.1	.5	.1											85	85	66	52
44/43	.6	2.2	1.4	1.2	.3	.1											107	107	65	52
42/41	1.1	2.4	1.7	1.2	.4												124	124	103	62
40/39	1.3	2.5	2.0	2.1	.3												151	151	142	88
38/37	.5	2.7	2.4	1.1	.2												146	146	116	86
36/35	.4	3.1	3.2	1.0	.1												144	144	146	81
34/33	.5	4.3	3.0	.3	.1												152	152	180	107
32/31	1.0	4.0	1.8	.1													129	129	181	140
30/29	.3	3.5	1.6	.2													102	102	146	154
28/27	.2	3.8	.8														88	88	113	145
26/25	.4	2.8	.6														70	70	97	136
24/23	.3	1.0	.3														30	30	63	137
22/21	.2	1.1	.2														27	27	26	116
20/19	.4	.7	.1														21	21	29	71
18/17	.1	.4	.1														10	10	18	50
16/15		.7															12	12	11	25
14/13	.1	.3	.1														8	8	11	24
12/11		.1															2	2	6	12
10/9																			2	20
8/7																				6
6/5																				5
4/3																				6
2/1																				6
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≈ 67 F	≈ 73 F	≈ 80 F	≈ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



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DATA PROCESSING DIVISION  
USAF ETAC  
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PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

DEC

STATION

STATION NAME

YEARS

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PAGE 1

0900-1100

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																
84/ 83																																	1	1		
82/ 81																																	1	1		
78/ 77																																	1	1		
76/ 75																																	1	1		
74/ 73																																	10	10		
72/ 71																																	8	8		
70/ 69																																	15	15		
68/ 67																																	27	27	2	
66/ 65																																	38	38	7	
64/ 63																																	40	40	19	9
62/ 61																																	51	51	21	16
60/ 59																																	66	66	45	22
58/ 57																																	75	75	42	39
56/ 55																																	83	83	37	40
54/ 53																																	107	107	50	26
52/ 51																																	117	117	66	36
50/ 49																																	125	125	85	44
48/ 47																																	121	121	103	40
46/ 45																																	158	159	131	61
44/ 43																																	152	152	156	64
42/ 41																																	124	124	158	79
40/ 39																																	98	98	190	92
38/ 37																																	112	112	155	107
36/ 35																																	86	86	159	121
34/ 33																																	63	63	109	135
32/ 31																																	44	44	95	153
30/ 29																																	42	42	72	124
28/ 27																																	31	31	52	132
26/ 25																																	11	11	30	130
24/ 23																																	12	12	22	87
22/ 21																																	10	10	12	89
20/ 19																																	12	12	15	63
18/ 17																																	1	1	11	38
16/ 15																																	2	2	2	19
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 0-26-5 (OL A) 1 JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
USAF ETAC  
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PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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STATION NAME

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PAGE 2 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
14/ 13		.1																2	2	3	26
12/ 11																				2	16
10/ 9																					15
8/ 7																					5
6/ 5																					7
4/ 3																					5
2/ 1																					3
0/ -1																					2
TOTAL	4.3	20.2	21.5	18.7	14.6	9.9	5.8	2.9	1.2	.5	.1	.1	.1					1847	1848	1847	1845

Element (X)	Z <sub>X</sub> '	Z <sub>X</sub>	X	X'	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8243703	117973	63.9	19.538	1846							
Dry Bulb	4214334	35992	46.5	10.741	1848		8.4	3.2	.7	.1		93
Wet Bulb	3280334	75837	41.1	9.450	1847		15.9	.1				93
Dew Point	2355201	62277	33.8	11.713	1845	.1	46.1					93

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

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PAGE 1

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
88/87																																	1	1	
86/85																																	4	4	
84/83																																	6	6	
82/81																																	5	5	
80/79																																	13	13	
78/77																																	11	11	
76/75																																	24	24	
74/73																																	47	47	
72/71																																	46	46	
70/69																																	63	63	
68/67																																	72	72	3
66/65																																	95	95	12
64/63																																	120	120	36
62/61																																	130	130	46
60/59																																	115	115	43
58/57																																	112	112	58
56/55																																	112	112	79
54/53																																	102	102	101
52/51																																	100	100	111
50/49																																	122	122	158
48/47																																	98	98	185
46/45																																	75	75	178
44/43																																	58	58	153
42/41																																	51	51	141
40/39																																	63	63	119
38/37																																	43	43	110
36/35																																	32	32	72
34/33																																	26	26	59
32/31																																	22	22	49
30/29																																	14	14	38
28/27																																	10	10	15
26/25																																	3	3	18
24/23																																	5	5	8
22/21																																	7	7	5
Element (X)	Σx <sup>2</sup>		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	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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STATION NAME

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MONTH

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
90/89																		2	2		
86/85																		4	4		
84/83												.1	.1			.1		4	4		
82/81												.1	.1			.1		9	9		
80/79												.1	.1	.2	.1			14	14		
78/77												.1	.2	.1				9	9		
76/75										.1	.2	.2	.6	.1				19	19		
74/73						.1	.2	.4	.2	.1	.3	.3	.1					31	31		
72/71					.3	.3	.5	.4	.2	.5	.6	.2	.1					47	47		
70/69				.3	.4	.2	.2	.3	.4	.9	.9	.5	.4					65	65		
68/67				.3	.3	.3	.3	.6	.8	1.1	1.4	.4	.1					69	69		
66/65		.1	.2	.3	.3	.3	.3	.7	.7	1.5	1.4	.3	.1					78	78		
64/63	.1	.3	.2	.3	.3	.7	.5	1.1	1.0	1.6	.6	.5						105	105	11	
62/61	.1	.2	.2	.6	.3	.5	.5	1.1	1.6	1.7	.2	.5						140	140	42	
60/59		.3	.6	.5	.4	1.0	1.1	2.1	.8	.3								112	112	50	
58/57		.2	.5	.4	.3	.7	1.6	1.4	.7	.3								125	125	46	
56/55		.1	.2	.7	.7	1.4	1.3	1.1	.3									107	107	58	
54/53	.1	.3	.6	.5	1.0	1.0	1.2	1.7	.1									102	102	98	
52/51		.5	.7	.4	.6	1.4	1.4	.5	.1									113	113	102	
50/49		.6	.3	.5	.8	1.1	1.0	.2										97	97	122	
48/47	.2	1.0	.5	.6	1.1	1.5	.4	.1										79	79	178	
46/45	.2	.7	.5	.4	1.1	.8												97	97	181	
44/43	.2	.6	.6	.5	1.1	.6												63	63	168	
42/41	.1	.6	.5	.8	.7	.3	.1											66	66	139	
40/39	.2	.6	.5	.7	.6	.1												49	49	116	
38/37	.2	.5	.2	.7	.5													46	46	133	
36/35	.1	.1	.5	.3	.2													35	35	107	
34/33		.5	.2	.2	.3													20	20	64	
32/31	.2	.5	.1	.3														23	23	33	
30/29	.1	.2	.1	.3	.1													17	17	55	
28/27		.3	.2	.2														14	14	20	
26/25		.1		.1														11	11	19	
24/23		.1																3	3	14	
22/21		.2	.1															2	2	12	
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70  
 STATION STATION NAME YEARS

DEC  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
20/ 19		.1																1	1	6	61					
18/ 17																				1	45					
16/ 15																					31					
14/ 13																					22					
12/ 11																					24					
10/ 9																					16					
8/ 7																					8					
6/ 5																					10					
4/ 3																					3					
2/ 1																					2					
0/ -1																					1					
TOTAL	1.6	8.4	7.4	9.5	11.6	12.6	12.3	13.5	9.7	6.7	3.5	2.0	.7	.1	.2			1776		1774						
																	1776		1776							

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4761985	83723	47.1	21.427	1776							
Dry Bulb	3894214	100150	56.4	11.788	1776		2.0	18.0	6.9	1.6		93
Wet Bulb	3915144	81922	46.1	8.763	1776		6.7					93
Dew Point	2300931	60265	34.0	11.961	1776	.1	44.1					93

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

DATA PROCESSING DIVISION  
 USAF ETAC  
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PSYCHROMETRIC SUMMARY

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

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STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
76/75						.1		.1										3	3		
74/73						.1	.1	.1	.1									6	6		
72/71					.1		.2	.1	.1									9	9		
70/69				.2	.2	.2		.2										15	15		
68/67				.4	.4	.1		.4	.3									23	23		
66/65		.1	.8	.5	.4	.2	.2	.3	.1	.2								49	42	1	
64/63	.1	.5	.2	.6	.3	.2	.2	.3	.2	.1								47	47	13	3
62/61		.8	.2	.5	.1	.2	.7	.4	.1									49	49	41	9
60/59	.1	.1	1.2	.5	.3	1.0	1.0	.4	.1									78	78	39	35
58/57		.5	.6	.6	.8	1.4	1.3	.4										95	95	39	24
56/55		.6	.3	.8	1.3	1.7	1.5	.4	.1	.1								114	114	56	24
54/53	.3	.4	.6	1.5	1.6	1.5	.8	.5										129	129	47	41
52/51	.2	.9	.8	1.2	1.6	2.3	.3	.1										130	130	59	45
50/49	.1	1.1	.8	1.5	1.9	1.5	.8	.1										133	133	100	35
48/47	.4	1.3	.7	2.7	2.3	1.9	.1											163	163	151	45
46/45	.3	.8	1.5	1.6	1.6	.9	.2											118	118	165	53
44/43	.4	1.3	1.2	1.7	2.0	.5												123	123	154	79
42/41	.2	.9	.9	1.6	1.6	.1												90	90	162	92
40/39	.3	.6	1.3	1.8	.8	.1												84	84	161	98
38/37	.4	1.0	1.2	1.4	.4													74	74	143	123
36/35	.1	.5	1.2	.9	.1													48	48	109	101
34/33	.1	.4	.7	.3	.1													29	29	91	132
32/31	.1	.8	.5	.3	.1													30	30	68	103
30/29	.2	.6	.4	.4														26	26	44	132
28/27		.2	.5	.2														16	16	29	114
26/25	.1	.3	.5	.1														16	16	23	94
24/23		.1	.2															4	4	16	88
22/21		.2	.3	.1														9	9	10	81
20/19		.2	.1															5	5	10	54
18/17																				6	30
16/15		.1																1	1	1	11
14/13																				1	14
12/11																					20
10/9																					10
Element (X)	Σ X <sup>2</sup>		Σ X		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	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

09943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

DEC  
 MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/79													.1					1	1		
76/75										.1			.1					2	2		
72/71						.1												1	1		
70/69				.1	.1				.1	.1								6	6		
68/67			.1	.1	.2	.1												9	9		
66/65	.1	.1	.5	.5	.1	.1			.2	.1	.1							27	27	1	
64/63		.2	.7	.1	.1	.2	.2	.1	.1									23	23	7	3
62/61	.2	1.2	.5	.2		.1	.1	.1										39	39	29	9
60/59	.1	.6	.5	.1	.2	.2	.1											31	31	41	30
58/57	.1	1.1	.7	.2	.2	.7	.1	.1										54	54	22	33
56/55	.3	.8	.5	.6	.9	.8	.1	.1	.1									69	69	44	30
54/53	.3	.8	.5	.5	.8	.7	.5	.1	.1									73	73	27	35
52/51		.9	.8	.9	1.0	.8	.1											77	77	47	30
50/49	.2	1.6	1.0	1.5	1.4	.6												108	108	58	21
48/47	.4	1.7	1.5	2.3	1.8	.7	.1											145	145	88	36
46/45	.5	1.7	2.1	2.7	1.8	.8												161	161	108	50
44/43	.5	1.9	2.3	2.4	1.1	.1												142	142	139	39
42/41	.3	1.7	2.3	2.0	.8	.1												140	140	148	77
40/39	.9	1.7	2.3	2.3	.7	.1												149	149	176	103
38/37	.5	1.5	2.2	1.9	.9													117	117	169	117
36/35	.2	1.2	2.4	1.2	.1													86	86	155	121
34/33	.1	.9	1.7	.3	.1													53	53	115	108
32/31	.1	1.6	1.4	.3														56	56	89	131
30/29	.1	1.1	.6	.2														34	34	88	135
28/27	.1	.6	.7	.1														25	25	42	110
26/25		.9	.5															25	25	27	115
24/23		.2	.6															11	11	27	96
22/21		.4	.2															11	11	16	72
20/19	.1	.5	.1															11	11	12	35
18/17		.1	.1															3	3	12	33
16/15		.1																1	1	1	18
14/13		.1																2	2	2	17
12/11																				2	18
10/9																					15
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVERSED MIRROR IMAGES OF THIS FORM ARE OBSOLETE JUL 64



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

STATION		STATION NAME												YEARS
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	39.6	43.6	49.1	59.4	67.0	74.6	78.4	77.6	70.7	60.3	48.5	41.7	59.6
	S D	12.211	10.486	10.602	9.072	6.999	5.704	4.374	4.926	6.504	8.852	10.465	10.007	16.259
	TOTAL OBS	1741	1611	1758	1755	1829	1776	1834	1836	1768	1868	1687	1700	21163
03-05	MEAN	37.9	41.4	46.8	57.0	64.5	71.8	75.4	74.7	68.2	57.8	46.5	39.9	57.0
	S D	12.545	10.493	10.792	9.193	6.824	5.216	3.751	4.544	6.506	9.020	10.724	10.357	16.018
	TOTAL OBS	1828	1667	1824	1792	1532	1781	1837	1840	1776	1902	1759	1739	21577
06-08	MEAN	36.8	40.4	46.7	58.1	66.7	74.3	77.9	76.6	69.5	58.2	46.1	39.2	57.6
	S D	12.496	10.571	10.843	9.079	6.869	5.766	4.794	5.281	6.973	9.184	10.810	10.904	17.177
	TOTAL OBS	1831	1669	1830	1789	1831	1785	1835	1841	1774	1913	1812	1844	21754
09-11	MEAN	43.3	47.7	55.1	66.6	75.0	82.7	87.0	86.7	79.3	68.3	55.2	46.5	66.2
	S D	13.237	11.608	12.057	9.202	7.561	6.777	6.169	6.321	8.091	9.502	10.790	10.741	18.201
	TOTAL OBS	1837	1670	1838	1793	1837	1783	1835	1838	1775	1911	1815	1848	21760
12-14	MEAN	51.5	59.7	62.6	73.0	80.7	88.5	93.0	93.3	85.6	75.7	63.0	55.1	73.2
	S D	14.728	13.248	13.219	10.100	8.283	7.262	6.562	6.488	8.639	10.149	11.643	11.751	17.976
	TOTAL OBS	1834	1668	1827	1793	1836	1780	1833	1837	1771	1912	1817	1808	21726
15-17	MEAN	53.7	58.3	64.9	74.9	82.2	90.0	94.4	94.6	86.7	76.6	63.7	56.4	74.8
	S D	14.726	13.358	13.376	10.322	8.434	7.324	6.843	6.624	8.476	10.185	11.714	11.788	17.833
	TOTAL OBS	1818	1664	1827	1788	1827	1774	1825	1831	1762	1910	1811	1776	21613
18-20	MEAN	46.8	52.1	59.1	69.3	76.9	85.1	89.3	88.5	79.7	68.4	55.8	48.8	68.5
	S D	12.793	11.639	11.991	9.691	8.038	7.230	6.899	6.860	7.975	9.339	10.346	10.029	17.725
	TOTAL OBS	1780	1632	1791	1750	1791	1744	1786	1783	1729	1843	1746	1711	21066
21-23	MEAN	42.3	46.8	53.2	63.1	70.8	78.5	82.3	81.4	73.8	63.2	51.2	44.4	62.8
	S D	12.139	10.626	10.941	8.950	7.240	6.110	5.210	5.523	6.932	8.949	10.086	9.781	16.621
	TOTAL OBS	1735	1614	1771	1731	1789	1732	1787	1777	1727	1821	1704	1692	20880
ALL HOURS	MEAN	44.0	48.3	54.7	65.2	73.0	80.7	84.7	84.2	76.7	66.1	53.8	46.5	65.0
	S D	14.396	13.115	13.503	11.445	9.839	9.176	8.856	9.303	10.134	11.711	12.651	12.309	18.414
	TOTAL OBS	14384	13195	14476	14191	14572	14155	14572	14583	14082	15080	14191	14118	171559

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03943 FT WOLTERS AAF TEX/MINERAL WELLS 49-70

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	36.5	39.9	44.1	54.3	62.5	68.7	70.5	69.3	65.0	55.5	44.8	38.4	54.5
	S D	11.726	9.723	10.047	9.141	6.276	4.122	2.664	3.596	6.091	8.904	10.410	9.520	14.821
	TOTAL OBS	1740	1611	1798	1755	1821	1776	1834	1836	1768	1858	1687	1700	21144
03-05	MEAN	35.3	38.4	42.7	53.0	61.3	67.7	69.9	68.7	64.0	54.1	43.5	37.1	53.1
	S D	12.133	10.040	10.332	9.531	6.551	4.244	2.738	3.729	6.530	9.266	10.791	9.958	15.219
	TOTAL OBS	1828	1667	1824	1792	1823	1781	1837	1840	1776	1882	1759	1739	21548
06-08	MEAN	34.5	37.6	42.7	53.7	62.6	69.0	71.3	70.0	64.8	54.4	43.1	36.5	53.4
	S D	12.143	10.196	10.439	9.389	6.460	4.353	2.784	3.712	6.613	9.402	10.940	10.208	15.928
	TOTAL OBS	1831	1669	1830	1789	1822	1785	1835	1841	1774	1891	1812	1844	21723
09-11	MEAN	38.6	41.9	46.9	57.4	65.7	71.4	73.6	72.8	68.3	59.2	48.1	41.1	57.1
	S D	11.813	9.841	9.957	8.599	6.011	4.046	2.460	3.024	5.916	8.443	9.910	9.450	15.018
	TOTAL OBS	1837	1670	1838	1793	1828	1783	1835	1839	1775	1891	1815	1847	21751
12-14	MEAN	42.9	45.9	50.2	59.7	67.4	72.6	74.2	73.5	69.6	61.5	51.5	43.4	59.6
	S D	11.421	9.678	9.450	8.117	5.675	3.843	2.386	2.939	5.442	7.912	9.249	8.886	13.699
	TOTAL OBS	1834	1668	1837	1793	1827	1780	1833	1837	1771	1892	1817	1808	21697
15-17	MEAN	44.1	47.2	51.3	60.3	67.7	72.8	74.0	73.3	69.4	61.6	51.7	46.1	60.0
	S D	11.074	9.438	9.175	7.738	5.581	3.748	2.346	2.904	5.105	7.743	9.029	8.763	13.202
	TOTAL OBS	1818	1664	1827	1788	1818	1774	1825	1831	1762	1889	1811	1776	21583
18-20	MEAN	40.7	44.4	48.9	58.5	66.4	71.6	72.9	71.9	67.5	58.9	48.3	42.5	57.9
	S D	10.968	9.400	9.339	8.092	5.746	3.796	2.405	3.095	5.436	8.082	9.400	8.847	13.948
	TOTAL OBS	1700	1632	1791	1750	1782	1744	1786	1783	1729	1827	1746	1711	21041
21-23	MEAN	38.2	41.7	46.4	56.2	64.2	69.9	71.4	70.2	65.8	56.8	46.2	40.1	55.8
	S D	11.300	9.489	9.748	8.659	5.987	3.852	2.469	3.395	5.831	8.592	9.832	9.176	14.396
	TOTAL OBS	1735	1614	1771	1731	1780	1732	1787	1777	1727	1814	1704	1692	20864
ALL HOURS	MEAN	38.9	42.1	46.7	56.6	64.7	70.5	72.2	71.2	66.8	57.8	47.2	40.9	56.4
	S D	12.034	10.260	10.309	9.063	6.458	4.387	2.974	3.761	6.237	9.012	10.443	9.959	14.769
	TOTAL OBS	14383	13195	14476	14191	14501	14155	14572	14584	14082	14944	14151	14117	171351



DATA PROCESSING DIVISION  
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## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

STATION	STATION NAME	YEARS												
HRS (L ST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	31.5	34.8	37.9	49.7	59.8	65.8	66.8	65.2	61.6	51.6	40.2	33.5	50.7
	S D	13.882	11.717	12.527	11.658	7.081	4.498	4.033	5.043	7.541	10.931	12.781	11.304	16.483
	TOTAL OBS	1739	1611	1754	1754	1821	1774	1833	1834	1768	1857	1686	1697	21128
03-05	MEAN	30.9	33.9	37.4	49.3	59.3	65.7	67.3	65.7	61.5	51.0	39.5	32.7	49.7
	S D	14.117	12.001	12.594	11.745	7.329	4.562	3.726	4.753	7.747	10.986	12.990	11.549	16.882
	TOTAL OBS	1825	1666	1823	1792	1823	1779	1836	1840	1776	1882	1737	1738	21537
06-08	MEAN	30.3	33.4	37.4	49.6	60.1	66.5	68.4	66.8	62.0	51.2	39.1	32.4	49.8
	S D	14.111	12.068	12.737	11.823	7.482	4.662	3.376	4.931	7.864	11.176	12.291	11.910	17.423
	TOTAL OBS	1829	1667	1828	1787	1819	1782	1835	1841	1772	1890	1809	1841	21700
09-11	MEAN	31.7	34.4	37.7	49.7	60.4	66.2	67.7	66.5	62.5	52.4	40.3	33.8	50.3
	S D	14.070	12.113	13.061	12.576	8.037	4.841	3.643	4.460	7.924	11.442	13.465	11.715	17.087
	TOTAL OBS	1836	1667	1838	1793	1828	1782	1836	1839	1775	1891	1811	1845	21739
12-14	MEAN	32.1	34.5	37.3	49.3	60.0	65.4	65.9	64.4	61.1	51.3	39.8	33.8	49.6
	S D	13.826	12.407	13.042	12.786	8.310	5.143	4.402	5.018	8.005	11.695	13.289	11.917	16.682
	TOTAL OBS	1833	1666	1836	1791	1826	1779	1831	1835	1769	1891	1814	1808	21679
15-17	MEAN	32.1	34.5	37.2	49.0	59.7	64.8	64.7	63.2	60.1	50.9	39.6	34.0	49.2
	S D	13.735	12.560	13.023	12.739	8.514	5.142	4.896	5.541	8.130	11.661	12.982	11.961	16.381
	TOTAL OBS	1818	1663	1826	1785	1817	1774	1829	1831	1761	1888	1810	1774	21572
18-20	MEAN	32.3	35.1	37.9	49.9	60.4	65.3	65.3	64.0	60.7	51.9	40.7	34.4	49.9
	S D	13.418	12.260	12.914	12.123	7.895	4.879	4.868	5.656	7.849	10.937	12.617	11.476	16.206
	TOTAL OBS	1760	1630	1791	1746	1782	1743	1786	1782	1728	1827	1743	1711	21029
21-23	MEAN	32.0	35.0	38.6	50.4	60.5	65.7	66.2	64.7	61.1	51.7	40.4	34.1	50.3
	S D	13.601	11.841	12.568	11.596	7.169	4.484	4.373	5.340	7.749	10.946	12.500	11.339	16.252
	TOTAL OBS	1733	1614	1771	1731	1780	1731	1785	1771	1727	1813	1703	1692	20856
ALL HOURS	MEAN	31.6	34.4	37.7	49.6	60.0	65.7	66.6	65.1	61.4	51.5	39.9	33.6	49.9
	S D	13.862	12.134	12.817	12.147	7.752	4.808	4.349	5.188	7.882	11.237	13.005	11.672	16.688
	TOTAL OBS	14372	13184	14467	14179	14496	14144	14565	14578	14076	14939	14133	14106	171240

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**RELATIVE HUMIDITY**

03943 FT WILTERS AAF TEX/MINERAL WELLS 49-70 ALL  
 STATION STATION NAME PERIOD MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	99.9	98.4	93.4	84.9	73.3	60.2	49.8	31.8	15.4	65.9	14382
FEB		99.9	97.5	90.4	80.6	68.9	55.0	43.0	29.8	14.0	63.7	13194
MAR		99.8	95.6	85.5	73.9	60.7	46.3	33.1	20.1	6.9	57.8	14475
APR		100.0	97.0	89.5	79.4	67.5	53.8	40.1	25.1	9.5	61.8	14191
MAY		100.0	99.4	96.5	89.9	78.3	63.1	48.2	31.6	10.4	67.7	14499
JUN		100.0	99.9	97.8	87.5	71.8	55.2	38.6	21.9	6.0	63.4	14155
JUL		100.0	99.6	93.0	77.9	60.7	45.0	30.0	16.6	4.6	58.3	14572
AUG		100.0	99.3	91.5	74.2	57.7	42.0	27.0	14.2	3.3	56.5	14582
SEP		100.0	99.3	94.0	82.7	68.7	54.3	40.4	26.5	8.4	63.1	14081
OCT		100.0	98.5	92.0	82.5	70.6	56.1	41.8	27.4	10.6	63.7	14944
NOV		100.0	99.0	91.5	80.9	66.9	56.2	42.6	24.9	13.3	63.8	14130
DEC		100.0	98.8	93.1	84.1	74.2	58.3	42.0	24.9	13.6	64.7	14115
TOTALS		100.0	98.5	92.4	81.5	68.3	53.9	39.6	25.2	9.7	62.5	171340



























DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

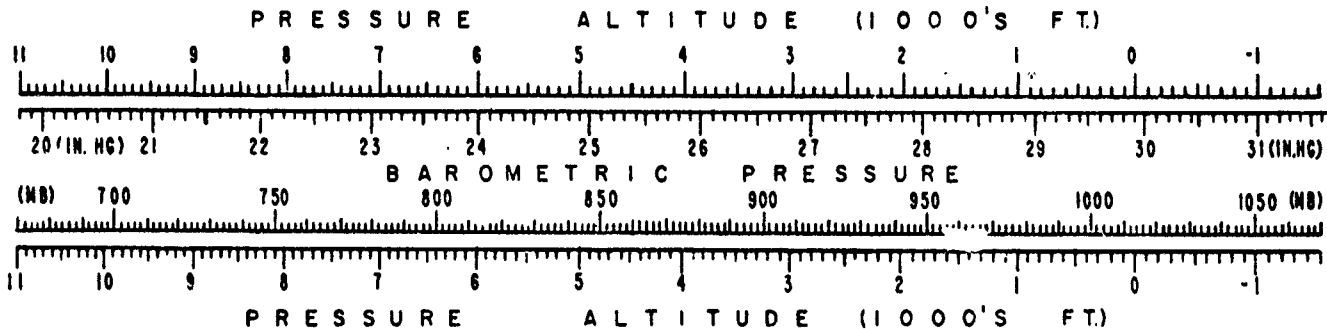
## PART F

## 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 to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

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



DATA PROCESSING DIVISION  
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## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	29.093	29.037	28.973	28.928	28.922	28.903	28.960	28.952	28.972	29.028	29.070	29.090	28.993
	S D	.214	.210	.209	.179	.140	.103	.079	.080	.112	.151	.209	.211	.177
	TOTAL OBS	568	536	585	572	608	588	608	608	586	615	593	562	6989
03	MEAN	29.092	29.033	28.966	28.923	28.914	28.902	28.959	28.951	28.971	29.024	29.069	29.084	28.990
	S D	.216	.207	.211	.180	.137	.102	.078	.081	.111	.152	.208	.212	.178
	TOTAL OBS	611	557	608	598	611	594	613	614	592	627	584	579	7188
06	MEAN	29.095	29.043	28.987	28.947	28.941	28.925	28.985	28.974	28.993	29.042	29.084	29.085	29.009
	S D	.215	.208	.213	.182	.137	.101	.078	.080	.112	.155	.212	.213	.177
	TOTAL OBS	609	556	608	596	610	595	612	614	592	639	605	608	7246
09	MEAN	29.135	29.085	29.025	28.980	28.968	28.951	29.010	29.002	29.025	29.079	29.123	29.123	29.042
	S D	.218	.213	.216	.187	.138	.102	.080	.082	.115	.156	.215	.216	.181
	TOTAL OBS	614	557	613	597	612	595	612	614	592	639	605	618	7268
12	MEAN	29.116	29.070	29.004	28.957	28.949	28.932	28.989	28.978	29.001	29.052	29.094	29.100	29.020
	S D	.222	.215	.217	.189	.138	.102	.080	.084	.117	.156	.213	.218	.181
	TOTAL OBS	611	557	612	598	613	595	612	613	592	638	606	610	7257
15	MEAN	29.050	29.001	28.935	28.897	28.898	28.884	28.936	28.921	28.938	28.992	29.035	29.041	28.961
	S D	.220	.213	.213	.187	.137	.102	.082	.084	.118	.154	.210	.213	.178
	TOTAL OBS	609	556	613	597	612	595	612	614	591	638	605	596	7238
18	MEAN	29.059	29.001	28.924	28.877	28.869	28.853	28.904	28.893	28.924	28.989	29.042	29.053	28.944
	S D	.215	.210	.211	.186	.137	.102	.078	.083	.117	.153	.208	.211	.182
	TOTAL OBS	596	549	603	587	599	585	597	598	578	622	587	576	7029
21	MEAN	29.085	29.031	28.960	28.915	28.905	28.883	28.933	28.931	28.963	29.022	29.069	29.078	28.981
	S D	.214	.208	.209	.184	.137	.101	.078	.081	.113	.153	.207	.210	.179
	TOTAL OBS	580	539	592	576	596	576	595	591	576	608	573	566	6968
ALL HOURS	MEAN	29.091	29.038	28.972	28.928	28.921	28.904	28.960	28.951	28.973	29.029	29.073	29.082	29.093
	S D	.218	.212	.214	.187	.141	.106	.085	.088	.118	.156	.212	.214	.181
	TOTAL OBS	4798	4407	4836	4723	4861	4723	4861	4866	4699	5026	4718	4715	57233



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

03943 FT WALTERS AAF TEX/MINERAL WELLS 49-70

STATION	STATION NAME												YEARS	
HRS (L S T)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00	MEAN S D TOTAL OBS	1020.4 7.876 568	1018.3 7.407 526	1015.7 7.608 585	1013.8 6.533 574	1013.2 5.048 608	1012.2 3.644 588	1014.1 2.572 608	1013.8 2.751 608	1014.7 3.891 586	1017.0 5.433 615	1019.2 7.595 454	1020.2 7.675 562	1016.0 6.533 6992
03	MEAN S D TOTAL OBS	1020.2 7.895 611	1018.0 7.418 557	1015.5 7.602 608	1013.5 6.541 598	1013.0 4.928 611	1012.1 3.581 594	1014.0 2.512 613	1013.7 2.764 614	1014.6 3.860 592	1016.7 5.501 627	1015.1 7.529 485	1019.9 7.704 579	1015.9 6.590 7189
06	MEAN S D TOTAL OBS	1020.5 7.867 608	1018.5 7.451 526	1016.3 7.678 608	1014.4 6.593 598	1014.0 4.904 610	1013.0 3.551 595	1015.0 2.491 612	1014.6 2.751 614	1015.5 3.888 592	1017.7 5.578 638	1019.7 7.659 606	1020.0 7.713 609	1016.6 6.495 7246
09	MEAN S D TOTAL OBS	1022.0 7.953 613	1020.1 7.568 556	1017.7 7.775 613	1015.6 6.770 596	1014.9 4.943 612	1013.9 3.594 594	1015.8 2.573 611	1015.6 2.775 614	1016.6 4.002 592	1019.0 5.586 638	1021.0 7.718 605	1021.3 7.848 618	1017.8 6.649 7262
12	MEAN S D TOTAL OBS	1021.2 8.048 610	1019.4 7.641 557	1016.8 7.797 612	1014.8 6.784 598	1014.2 4.924 613	1013.2 3.595 595	1015.0 2.589 612	1014.7 2.832 614	1015.7 4.041 592	1017.9 5.600 636	1019.9 7.655 606	1020.5 7.883 610	1016.9 6.652 7255
15	MEAN S D TOTAL OBS	1018.8 8.019 608	1016.9 7.601 557	1014.4 7.641 612	1012.6 6.778 598	1012.4 4.916 612	1011.5 3.586 595	1013.2 2.593 612	1012.7 2.815 614	1013.5 4.070 591	1015.8 5.524 638	1017.8 7.570 605	1018.4 7.727 596	1014.8 6.537 7236
18	MEAN S D TOTAL OBS	1019.3 7.863 596	1017.0 7.467 569	1014.1 7.624 605	1012.0 6.713 589	1011.4 4.911 599	1010.5 3.597 585	1012.2 2.579 597	1011.8 2.862 598	1013.1 4.049 578	1015.9 5.516 622	1018.3 7.469 588	1019.0 7.649 576	1014.5 6.723 7082
21	MEAN S D TOTAL OBS	1020.3 7.852 580	1018.1 7.452 540	1015.4 7.574 592	1013.4 6.680 578	1012.7 4.858 596	1011.6 3.573 576	1013.2 2.559 595	1013.1 2.802 591	1014.5 3.965 576	1017.0 5.523 608	1019.3 7.459 573	1020.0 7.614 566	1015.7 6.652 6971
ALL HOURS	MEAN S D TOTAL OBS	1020.3 7.972 4794	1018.3 7.562 4408	1015.7 7.739 4835	1013.8 6.736 4729	1013.2 5.039 4861	1012.2 3.722 4722	1014.1 2.788 4860	1013.8 3.010 4867	1014.8 4.108 4699	1017.2 5.619 5022	1019.3 7.635 4722	1019.9 7.770 4716	1016.0 6.675 57235