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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
AMARILLO MAP, TEXAS. REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC(U)  
DEC 81

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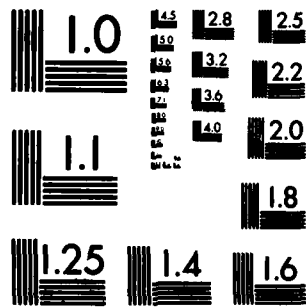
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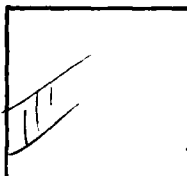
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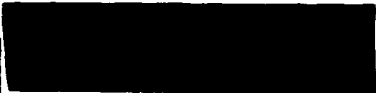
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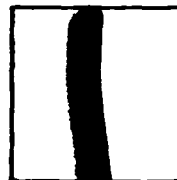


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INVENTORY

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DOCUMENT IDENTIFICATION

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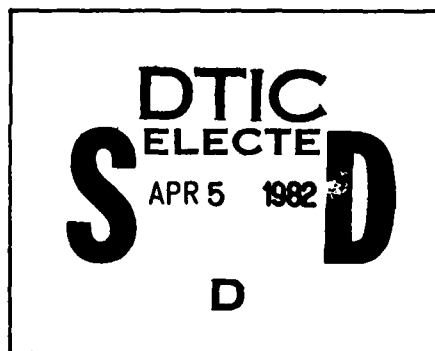
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DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

AMARILLO MAP TX WBAW #23047  
N 35 14 W 101 42 FLD ELEV 3605 FT AMA WMC #72363

PARTS A-F  
FOR FROM HOURLY OBS: JUN 73 - MAY 81

FOR FROM DAILY OBS: JUL 46 - MAY 81

TIME CONVERSION GMT TO LST: -6

DEC 02 1981

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

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U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

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

### DAILY OBSERVATIONS

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

### DESCRIPTION OF SUMMARIES

Each summary 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. Observations are prepared from hourly and daily observations recorded by stations operated by the U. S. Air Force and some foreign stations using similar reporting practices.

Summary operators 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: 00-03, 03-06, 06-09, 09-12, 12-15, 15-18, 18-21, 21-24 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 OR SUMMARY 23047	STATION NAME Amarillo Map TX	LATITUDE N 35.14	LONGITUDE W 101.42	FIELD ELEV (FT.) 3605	CALL SIGN AMA	WMO NUMBER 72363
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### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE WSL		OBS PER DAY
			FROM	TO			FIELD (FT)	WT. BARD.	
1.	English Field AP	WBAS	Jan 47	Apr 56	N 35.14	W 101.42	3605	3607	24
2.	Amarillo Air Terminal	Same	Apr 56	Jul 74	Same	Same	Same	Same	24
3.	Amarillo Map	Same	Jul 74	May 81	Same	Same	Same	3591	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Jan 47	NA	NA	NA	NA	
2.	Nov 35	Located on Roof	NA	NA	43	
3.	Oct 56	Located on steel tower 345 ft SW of Airport Terminal Bldg, 15 ft E of Instrument Shelter	NA	NA	33	
4.	Mar 61	1. Field	F420C	F312	23	
		2. Field	F102A	NA	33	
5.	Jul 64	1. Field	F420C	F312	23	
		2. Ground, 500 ft N of control tower.	F102A	NA	33	
6.	Aug 74	Field	F420C	F312	23	

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	

## PART A

## WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

2747

AMARILLO MAP TX

74-81

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		1.2	2.0	6.7		9.9	10.5		.8	.3	11.3	744
	03-05		.9	1.3	7.3		9.5	10.2		1.3	.1	11.4	744
	06-08		.0	2.7	6.5		9.5	12.6	.1	.9		13.6	744
	09-11		1.2	3.4	8.2		12.1	15.9	.3	.8		15.9	744
	12-14		.5	1.9	6.5		8.5	10.9	.3	.5		11.7	744
	15-17		.3	1.5	4.2		5.8	9.4	.1	.3	.3	9.9	744
	18-20		.9	.9	4.6		6.3	9.0				9.0	744
	21-23	.1	.5	2.6	5.1		7.9	8.7		.3	.3	9.1	744
TOTALS		.0	.8	2.0	6.1		8.7	10.9	.1	.6	.1	11.6	5952

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

23 47  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

FEB  
 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		.9	.6	5.6		7.1	13.3		.9	.7	14.6	678
	03-05		1.6	1.3	6.0		9.0	14.9		.6	.9	16.1	678
	06-08		.6	3.2	4.6		8.4	17.3		.7	.1	17.8	678
	09-11		1.0	2.5	3.5		7.1	15.8	.3	.9	.1	16.7	678
	12-14		1.8	1.3	3.8		6.8	12.1	.4	.9	1.0	14.0	678
	15-17	.1	3.5	.7	3.7		7.7	8.8	.1	1.0	1.2	10.6	678
	18-20	.3	2.8	1.0	3.5		7.1	7.4		.7	.6	8.3	678
	21-23	.1	1.3	1.2	4.7		7.1	8.3		.3	.4	9.0	678
TOTALS		.1	1.7	1.5	4.4		7.5	12.2	.1	.8	.6	13.4	5424



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

25 47      AMARILLO MAP TX      74-81      MAP  
 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	.8	3.2	.4	2.2	.1	5.5	5.5			.4	5.9	744
	03-05	.3	3.6	.8	1.5		5.8	7.7			.4	3.1	744
	06-08	.5	4.2	1.2	2.8		7.8	13.7			.5	14.2	744
	09-11		4.2	.9	2.4		7.4	12.2		.3	.7	12.9	744
	12-14	.4	5.0	.3	2.0	.1	8.1	7.4		.3	1.6	9.1	744
	15-17	1.9	4.6		1.9	.4	6.3	4.0			4.6	8.6	744
	18-20	1.7	4.6		.9		5.4	3.6			3.2	8.9	744
	21-23	.7	2.6		1.3		3.9	4.0			.9	5.0	744
TOTALS		.8	4.1	.5	1.9	.1	6.3	7.3		.1	1.5	8.8	5952

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

27 47      AMARILLO MAP TX      74-81      AFF  
 STATION      STATION NAME      YEARS      MONTH

## PERCENTAGE FREQUENCY OF OCCURENCE 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
01	00-02	.7	4.9		.6		5.1	1.7			.1	1.8	720
	03-05	.1	3.5		.7		3.3	4.0				4.0	720
	06-08	.3	5.7		.4		5.7	9.7				9.7	720
	09-11	.1	5.0		.1		5.1	6.8	.1			6.9	720
	12-14	1.0	5.8		.1	.1	5.8	2.6			.8	3.5	720
	15-17	1.9	4.7		.1	.1	4.7	.6	.1		2.2	2.9	720
	18-20	1.5	3.2		.1	.1	3.3	.6			1.0	1.5	720
	21-23	.8	3.9		.1		4.0	1.0				1.0	720
TOTALS		.8	4.6		.3	.0	4.7	3.4	.0		.5	3.9	5760

CLIMATOLOGY BRANCH  
 AC  
 WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

AMAPILLO MAP TX

74-81

MAY

STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDERSTORMS	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	3.1	5.5		.4		5.9	3.4			.1	3.5	744
	03-05	2.4	8.1		.4		8.5	7.4				7.4	744
	06-08	1.2	6.5		.4		6.9	16.5	.1			16.5	744
	09-11	.5	4.6		.7		5.0	7.1	.3		.3	7.7	744
	12-14	.8	4.0		.3		4.3	3.1	.1		.4	3.6	744
	15-17	3.2	4.6			.3	4.6	1.7			.9	2.7	744
	18-20	5.5	6.5			.1	6.5	2.2	.1		.5	2.8	741
	21-23	4.7	7.6		.3	.1	7.6	3.0	.1		.1	3.2	741
TOTALS		2.7	5.9		.3	.1	6.2	5.6	.1		.3	5.9	5946

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

2147 AMAPILLO MAP TX 73-80 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	HALE	% 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	4.3	5.6				5.6	.4				.4	720
	03-05	1.0	2.6				2.6	1.8				1.8	720
	06-08	.7	2.4				2.4	6.3				6.3	720
	09-11	.4	1.7				1.7	3.1			.1	3.2	720
	12-14	1.0	2.2				2.2	1.0			.4	1.4	720
	15-17	4.3	3.2				3.2	.4				.4	720
	18-20	7.2	6.4			.1	6.4	.4			.4	.8	720
	21-23	5.4	6.3			.1	6.3	.8			.3	1.1	720
<b>TOTALS</b>		3.0	3.8			.0	3.9	1.8			.2	1.9	5760

FEDERAL BUREAU OF SURVEY  
 NATIONAL CENTER FOR ENVIRONMENTAL DATA  
 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

2347

AMARILLO MAP TX

73-80

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	3.4	4.7				4.7	1.1				1.1	744
	03-05	2.3	2.3				2.3	2.4				2.4	744
	06-08	1.3	3.0				3.0	5.8				5.8	744
	09-11	.4	2.0				2.0	1.2	.1			1.3	744
	12-14	1.1	1.7				1.7	.1	.2			.9	744
	15-17	5.8	4.4				4.4						744
	18-20	4.2	3.6				3.0						744
	21-23	4.4	4.2				4.2						744
TOTALS		2.9	3.2				3.2	1.3	.1			1.4	5952

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

20047

AMARILLO MAP TX

73-80

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.
ALL	00-02	3.6	7.1				7.1	.4				.4	744
	03-05	2.2	7.0				7.0	2.2				2.2	744
	06-08	2.3	6.3				6.3	7.5				7.5	744
	09-11	.7	4.7				4.7	2.2	.1			2.3	744
	12-14	.5	2.2				2.2	.4	.1			.5	744
	15-17	2.3	3.1				3.1	.5	.1			.7	744
	18-20	5.5	5.1				5.1	.1				.1	744
	21-23	5.0	5.6				5.6	.1				.1	744
TOTALS		2.8	5.1				5.1	1.7	.0			1.7	5952

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**WEATHER CONDITIONS**

27147      AMARILLO MAP TX      73-80      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	.6	6.4				6.4	4.3				4.3	720
	03-05	1.3	6.6				6.6	4.7				4.7	720
	06-08	.4	5.3				5.3	10.3	.1			10.3	720
	09-11	.6	6.9				6.9	5.8	.3			6.0	720
	12-14	.4	6.4				6.4	3.1				3.1	720
	15-17	1.4	6.4				6.4	2.6				2.6	720
	18-20	1.4	5.4				5.4	2.6				2.6	720
	21-23	1.4	5.1				5.1	3.5				3.5	720
TOTALS		.9	6.1				6.1	4.6	.1			4.6	5760

FEDERAL CLIMATOLOGY BRANCH  
 USAPETAC  
 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

2747      AMARILLO MAP TX      73-80      OCT  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	1.1	2.0		.8		3.4	3.8			.1	3.9	744
	03-05	.1	2.6		.3		2.8	5.1				5.1	744
	06-08	.3	3.4		.5		3.8	9.4				9.4	744
	09-11		4.4		.7		5.1	7.4	.1		.3	7.8	744
	12-14	.1	4.4		.3		5.2	4.7	.3			5.0	744
	15-17	.3	3.6		.8		4.4	3.5			.1	3.6	744
	18-20	1.5	3.5		.9		4.4	3.4			.1	3.5	744
	21-23	1.7	3.6		1.1	.1	4.7	3.8				3.8	744
TOTALS		.6	3.5		.7	.0	4.2	5.1	.1		.1	5.3	5952





FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

2047      AMARILLO MAP TX      73-80      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		.3	.1	3.2		3.5	4.8		.1	.1	5.1	744
	03-05		.7	.1	3.2		3.9	4.0				4.0	744
	06-08		.5	.1	3.9		4.6	5.1		.1	.1	5.4	744
	09-11		.4	.3	3.2		3.8	5.5		.4	.3	6.2	744
	12-14		1.2		3.6		4.6	4.8				4.8	744
	15-17	.1	.9	.1	2.4		3.1	3.8				3.8	744
	18-20		.9	.3	3.5		4.6	4.2		.1		4.3	744
	21-23		.7	.3	4.0		5.0	4.3		.4		4.7	744
TOTALS		.0	.7	.2	3.4		4.1	4.6		.1	.1	4.8	5952

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AT WEATHER SERVICE/MAC

## WEATHER CONDITIONS

21 47 AMAPILLO MAP TX 73-81 ALL  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	.8	2.0	6.1		8.7	10.9	.1	.6	.1	11.6	5952
FEB		.1	1.7	1.5	4.4		7.5	12.2	.1	.8	.6	13.4	5424
MAR		.8	4.1	.5	1.9	.1	6.3	7.3		.1	1.5	8.8	5952
APR		.8	4.6		.3	.0	4.7	3.4	.0		.5	3.9	5760
MAY		2.7	5.9		.3	.1	6.2	5.6	.1		.3	5.9	5946
JUN		3.0	3.8			.0	3.8	1.8			.2	1.9	5760
JUL		2.9	3.2				3.2	1.3	.1			1.4	5952
AUG		2.8	5.1				5.1	1.7	.0			1.7	5952
SEP		.9	6.1				6.1	4.6	.1			4.6	5760
OCT		.6	3.5		.7	.0	4.2	5.1	.1		.1	5.3	5952
NOV		.1	3.6	.5	2.7		6.7	8.8		.5	.0	5.9	5760
DEC		.0	.7	.2	3.4		4.1	4.6		.1	.1	4.8	5952
TOTALS		1.2	3.6	.4	1.7	.0	5.6	5.6	.1	.2	.3	6.0	70122

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.

U.S. WEATHER BUREAU  
 METEOROLOGICAL SERVICE/MAC

**WEATHER CONDITIONS**  
 ATMOSPHERIC PHENOMENA

STATION: DANVILLE, MAR, TX      YEARS: 46-51      MONTH: ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	24.0	.4	14.4	7.2	21.9		29.3	22.3	1.2	3.1	.1	24.4	1050
FEB		1.7	13.2	7.3	20.9	.2	30.5	26.6	.5	3.7	.5	29.1	989
MAR		5.2	22.1	3.5	15.3	1.5	31.2	23.9	2.2	1.4	1.4	27.2	1085
APR		11.2	28.3	.6	5.8	2.9	30.2	17.4	1.0	.2	1.0	17.0	1050
MAY		18.9	45.2		.3	4.4	44.2	21.6	1.0		.6	22.8	1080
JUN		31.9	41.1			4.6	40.3	10.1	.4		1.0	11.3	1020
JUL		71.4	43.4			1.9	41.7	6.9	.6		.3	7.5	1073
AUG		28.7	39.6			1.3	37.3	10.5	.9		.1	11.2	1055
SEP		13.0	32.1			1.0	30.4	20.0	.6			21.1	1050
OCT		6.8	22.7	.4	1.3	.9	21.9	18.9	.6			15.9	1030
NOV		7.0	16.6	2.5	10.5	.5	21.8	15.9	1.4	.6		20.0	1031
DEC		.4	17.4	5.3	15.6		22.0	17.0	1.6	1.7	.2	16.8	1085
<b>TOTALS</b>		<b>13.4</b>	<b>26.1</b>	<b>2.2</b>	<b>7.7</b>	<b>1.6</b>	<b>31.7</b>	<b>17.9</b>	<b>1.0</b>	<b>.9</b>	<b>.4</b>	<b>19.3</b>	<b>12715</b>

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNT

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATION)

23 47 STATION 46-81 YEARS  
AMARILLO MAP TX STATION NAME

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	71.0	15.9	2.1	3.8	2.6	3.1	1.3	.2	.1					13.2	1085	.48	7.3	TRACE
FEB	69.7	14.8	2.7	4.6	3.6	3.1	1.4	.6	.2					16.3	989	.57	1.83	.02
MAR	69.5	16.0	2.0	4.3	1.9	3.7	2.3	.9	.3					15.5	1085	.36	3.99	TRACE
APR	69.3	14.7	1.9	3.7	1.5	4.5	2.0	2.0	.4					16.0	1050	1.10	2.74	TRACE
MAY	54.6	17.2	3.8	5.9	3.5	5.0	4.0	3.9	1.8	.4				29.2	1085	2.90	9.81	.19
JUN	59.3	13.3	2.5	4.9	3.5	5.0	3.6	4.8	2.5	.5				27.4	1020	3.51	10.73	.01
JUL	57.6	15.2	2.8	5.5	3.5	5.3	4.1	3.6	2.3					27.2	1085	2.73	7.59	.11
AUG	60.4	12.5	2.8	5.5	2.5	5.7	4.5	3.3	2.6	.2				27.1	1085	3.04	7.55	.31
SEP	68.3	13.0	2.3	4.8	2.3	3.1	2.6	1.9	1.8					18.8	1050	1.80	5.02	.0
OCT	76.8	8.6	1.1	2.9	2.2	2.9	2.4	1.9	1.0	.1				14.7	1085	1.46	5.73	.0
NOV	77.9	11.5	.9	2.9	2.5	2.0	1.8	.8	.2					11.0	1050	.60	2.26	TRAC
DEC	77.6	11.3	1.6	3.5	2.0	2.0	1.0	.4	.3					11.1	1085	.51	4.52	TRAC
ANNUAL	67.5	13.7	2.2	4.4	2.6	3.8	2.6	2.0	1.1	.1				18.9	12754	19.56		



CLIMATOLOGY BRANCH  
ETAC  
EATHER SERVICE/MAC

**EXTREME VALUES**  
PRECIPITATION

(FROM DAILY OBSERVATIONS)

AMAPILLO MAP TX 46-81  
STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46							.05	1.12	2.03	2.61	.38	1.12	
47	.20	.04	.39	.66	1.11	1.57	.61	.13	.24	.07	.57	.78	1.57
48	.15	.53	.33	.73	1.05	3.46	.44	1.33	.71	1.44	2.01	.75	3.46
49	.42	.25	.21	1.22	3.23	.84	1.35	1.91	.89	.67	.01	.18	3.23
50	TRACE	.13	TRACE	.28	1.13	1.27	1.87	1.89	1.74	TRACE	.03	.22	1.89
51	.11	1.05	.41	.22	3.95	2.06	.80	.85	1.95	1.29	.14	.30	3.95
52	.41	.14	.26	.63	.74	.88	.64	.37	.20	.00	.70	.35	.88
53	.64	.31	.25	.35	.53	.01	1.00	.54	.25	1.56	.37	.63	1.56
54	.15	.07	.08	1.27	.78	.94	.30	.82	.15	.57	TRACE	.07	1.27
55	.41	.04	.33	.14	.99	.72	1.44	.86	1.58	.08	.02	.10	1.58
56	.74	.59	.03	.23	.65	1.27	.83	.40	.43	.35	TRACE	TRACE	1.27
57	.29	.68	.95	.54	1.31	.35	.11	2.09	.40	.95	.26	.03	2.09
58	.42	.21	.90	.82	.80	3.69	1.27	1.70	.52	.12	.38	.25	3.69
59	.11	.02	.12	.88	2.16	.63	1.76	.98	1.61	.79	.09	1.64	2.16
60	.61	.38	1.34	1.46	.42	4.06	1.78	1.36	2.15	2.35	TRACE	.24	4.06
61	.12	.17	.74	.13	2.11	.83	1.20	2.33	1.17	.33	.81	.09	2.33
62	.24	.38	.02	1.09	.89	2.84	1.99	1.59	1.39	.69	.51	.47	2.84
63	.02	.32	.24	.33	1.05	1.14	.87	1.75	.12	1.15	.31	.19	1.75
64	TRACE	.75	.02	TRACE	.86	.79	.40	2.96	2.27	.05	.49	.43	2.96
65	.22	.28	.52	.18	.76	2.50	.58	1.20	.62	.95	.07	.13	2.50
66	.29	.61	.01	.67	.08	2.70	.47	1.33	1.70	.29	.08	.16	2.70
67	TRACE	.08	.22	.89	.54	.82	1.84	.52	.85	1.56	.26	.25	1.84
68	1.54	.33	.27	.70	.97	.79	1.11	1.65	.48	.48	.36	.14	1.65
69	.02	.18	.30	.18	1.69	1.67	1.68	1.93	.60	.89	.30	.40	1.93
70	.02	.02	.78	.99	.19	.88	1.30	.46	.20	.68	.26	TRACE	1.30
71	.08	1.25	.10	.46	.39	1.15	.51	1.20	1.82	1.50	1.11	.63	1.82
72	.07	.11	.06	.03	.83	1.10	1.50	.56	.23	.80	.37	.13	1.50
73	.21	.29	1.39	.84	.68	.68	1.40	.90	.70	.50	.07	.13	1.40
74	.13	.12	.33	.04	2.62	1.63	.70	1.94	.73	.66	.12	.35	2.62
75	.15	.46	.27	.57	1.11	.98	1.13	2.45	.43	.33	.70	.07	2.45
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 PRECIPITATION

(FROM DAILY OBSERVATIONS)

23047  
 STATION

AMAPILLO MAP TX  
 STATION NAME

46-81  
 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	TRACE	.10	.62	.67	.96	1.45	.82	.77	2.06	.47	.25	TRACE	2.06
77	.34	.22	.24	.84	.97	.65	1.45	1.24	.03	.26	.17	.21	1.45
78	.16	.26	.07	.46	1.58	1.55	.80	1.08	1.49	.84	.19	.12	1.58
79	.23	.15	.39	.50	1.78	.72	.88	3.58	.25	.73	.20	.04	3.58
80	.48	.42	.85	.25	1.63	.88	.64	.72	.80	.20	.36	.35	1.63
81	.10	.14	.62	.35	.49								
MEAN	.239	.317	.390	.560	1.172	1.397	1.015	1.329	.937	.749	.341	.293	2.193
S. D.	.285	.284	.361	.376	.826	.969	.528	.769	.704	.628	.387	.336	.846
TOTAL OBS	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

2347 AMARILLO MAP TX 46-81 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT	NOV	DEC	ALL MONTHS
46							.12	3.96	3.25	5.73	.61	1.18	
47	.32	.07	.77	2.07	4.59	3.19	1.54	.39	.24	.12	.92	1.26	15.48
48	.63	1.83	.72	.73	2.82	4.92	1.52	5.16	1.27	2.58	2.11	.09	24.38
49	2.04	.59	.57	1.99	6.43	2.82	3.90	3.78	1.69	1.03	.01	.30	25.15
50	TRACE	.20	TRACE	.64	1.83	3.25	7.32	4.54	5.02	TRACE	.03	.35	23.18
51	.34	1.17	.55	.43	0.81	4.34	2.01	1.52	2.01	2.37	.25	.45	25.29
52	.53	.24	.56	2.46	2.05	1.75	1.36	.88	.38	.00	1.44	.50	12.15
53	.64	.53	.38	.62	.70	.01	1.81	2.00	.26	4.56	.56	.98	13.05
54	.25	.09	.17	2.31	4.44	1.95	.55	2.91	.30	.73	TRACE	.19	13.89
55	.53	.06	.33	.38	2.70	1.49	3.35	1.49	3.13	.13	.02	.10	13.71
56	.09	1.10	.03	.23	1.99	2.03	2.82	.79	.48	.38	TRACE	TRACE	9.94
57	.33	1.11	2.82	2.69	4.36	.53	.13	4.85	.88	2.57	.94	.03	21.24
58	1.05	.58	2.36	1.74	2.45	4.22	6.16	2.08	1.60	.15	.60	.30	23.29
59	.16	.06	.26	1.18	4.82	2.19	2.85	2.24	2.29	2.10	.14	4.52	22.81
60	1.30	.95	1.66	1.66	.82	9.85	7.59	3.15	4.22	4.82	TRACE	.65	36.67
61	.12	.27	2.55	.24	3.40	3.42	4.10	3.14	1.87	.91	2.26	.16	22.44
62	.47	.39	.02	1.48	1.76	10.16	7.51	3.29	2.66	.71	.53	.64	29.62
63	.06	.67	.28	.47	3.66	3.60	2.04	3.93	.43	1.54	.33	.29	17.30
64	TRACE	1.37	.03	TRACE	1.69	1.90	.94	5.69	3.95	.08	1.53	.79	17.97
65	.55	.47	.72	.23	1.88	10.73	1.54	1.71	.79	1.02	.07	.38	20.09
66	.43	.69	.01	.87	.19	4.62	1.37	3.77	2.40	.29	.08	.19	14.91
67	TRACE	.15	.42	1.95	1.40	2.55	3.70	1.81	2.47	1.61	.28	.51	16.85
68	2.33	.73	.45	.93	2.84	1.68	2.96	3.35	.62	.90	.92	.26	17.97
69	.02	.50	1.15	.30	2.93	4.09	2.55	4.51	2.77	2.56	.34	.83	22.55
70	.02	.02	2.10	1.33	.23	1.54	1.39	1.27	.34	1.06	.26	TRACE	9.56
71	.10	1.65	.10	.77	.91	4.17	1.75	3.33	4.70	2.59	2.08	.89	23.04
72	.21	.11	.11	.03	2.81	3.87	2.59	1.73	.71	1.66	1.19	.32	15.34
73	.56	.42	3.99	1.88	1.43	.84	4.08	2.31	1.22	1.05	.10	.17	18.05
74	.33	.24	.60	.04	4.06	3.33	1.31	7.55	1.65	3.44	.12	.42	23.09
75	.28	1.33	.51	1.02	2.47	4.15	5.19	3.97	.76	.33	.92	.15	21.08
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

23047 AMARILLO MAP TX 46-81  
 STATION STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76	TRACE	.10	.79	1.65	1.36	2.94	1.77	1.78	4.28	1.14	.43	TRACE	16.24
77	.64	.53	.24	2.74	4.01	2.06	3.24	4.94	.03	.26	.32	.27	19.28
78	.63	.80	.21	.55	5.76	6.50	1.82	1.61	2.42	.97	.47	.27	22.01
79	.92	.28	1.46	1.29	3.94	3.19	2.03	5.08	.52	1.28	.40	.07	20.46
80	.35	.55	1.38	.82	2.88	1.30	.65	1.80	1.55	.42	.84	.35	13.39
81	.11	.23	1.87	.90	2.11								
MEAN	.482	.574	.862	1.103	2.901	3.505	2.730	3.037	1.805	1.460	.603	.510	19.455
S.D.	.535	.478	.950	.801	1.924	2.534	1.992	1.619	1.417	1.434	.633	.771	5.651
TOTAL OBS	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

3

GLOBAL CLIMATOLOGY BRANCH  
US AFETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

23047

AMAPILLO MAP TX

46-81

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	78.2	11.8	3.6	3.9	1.8	.3	.2	.3	.1					10.0	1085	3.4	12.9	TRACE	
FEB	79.1	10.3	4.0	3.6	1.5	.5	.3	.2	.3	.1				10.6	989	4.0	17.3	TRACE	
MAR	93.7	10.4	2.4	1.8	.6	.5	.4	.2	.1					5.9	1085	2.5	14.7	TRACE	
APR	95.7	3.6	.6	.2	.3	.2		.1						1.3	1050	.5	8.0	.0	
MAY	99.7	.2		.1										.1	1085	TRACE	.5	.0	
JUN	100.0														1020	.0	.0	.0	
JUL	100.0														1085	.0	.0	.0	
AUG	100.0														1085	.0	.0	.0	
SEP	100.0														1050	.0	.0	.0	
OCT	98.4	.8	.3	.2	.1	.2								.7	1085	.3	3.9	.0	
NOV	89.7	5.9	1.4	1.5	.5	.4	.2	.2	.2					4.4	1050	2.0	13.6	.0	
DEC	84.4	9.7	1.9	2.4	1.0	.3	.2	.1						5.9	1085	2.0	7.9	.0	
ANNUAL	92.3	4.4	1.2	1.1	.5	.2	.1	.1	.1	.0				3.2	12754	14.7			

1210 WS FORM JUL 64 0-15-5 (OL-1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 SNOWFALL

(FROM DAILY OBSERVATIONS)

2747 AMAPILLO MAP TX  
 STATION STATION NAME

46-81 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46							.0	.0	.0	.0	.6	.9	
47	2.5	.5	4.1	5.1	.0	.0	.0	.0	.0	.0	.9	3.1	5.1
48	1.3	5.1	2.3	.0	.0	.0	.0	.0	.0	.0	.5	.2	5.1
49	2.0	.3	TRACE	1.5	.0	.0	.0	.0	.0	TRACE	.0	.1	2.0
50	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.5	.5
51	2.6	.6	.3	TRACE	.0	.0	.0	.0	.0	.0	.6	3.0	3.0
52	3.8	.2	.1	TRACE	.0	.0	.0	.0	.0	.0	7.0	4.3	7.0
53	6.4	.6	TRACE	.0	TRACE	.0	.0	.0	.0	.0	TRACE	1.5	6.4
54	1.8	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.8
55	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.2	1.8	1.8
56	.7	7.3	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.3
57	.8	.9	8.4	TRACE	.0	.0	.0	.0	.0	TRACE	2.9	.0	8.4
58	2.3	2.6	4.0	TRACE	.0	.0	.0	.0	.0	.0	1.0	2.5	4.0
59	1.3	.7	.9	TRACE	.0	.0	.0	.0	.0	.0	.9	TRACE	1.3
60	6.7	2.3	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	2.4	6.7
61	1.8	1.9	6.3	.3	.0	.0	.0	.0	.0	.0	4.6	.4	6.3
62	1.0	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	7.6	.8	7.6
63	.2	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.4
64	TRACE	9.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3	9.5
65	2.2	1.9	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.2
66	4.9	.2	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.7	4.9
67	TRACE	.8	.4	.0	.0	.0	.0	.0	.0	TRACE	2.1	2.3	2.3
68	.4	3.3	2.4	.0	.0	.0	.0	.0	.0	.0	.3	1.6	3.3
69	.2	1.8	2.6	.0	.0	.0	.0	.0	.0	.0	TRACE	4.3	4.3
70	.1	TRACE	5.0	1.7	.0	.0	.0	.0	.0	2.9	2.6	TRACE	5.0
71	.8	11.4	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.7	11.4
72	.7	2.0	.6	.0	.0	.0	.0	.0	.0	.0	3.6	2.1	3.6
73	1.8	3.1	.5	3.2	.0	.0	.0	.0	.0	.0	.4	1.2	3.2
74	1.5	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.9	1.5
75	2.3	5.2	.8	TRACE	.0	.0	.0	.0	.0	.0	.4	1.0	5.2
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 SNOWFALL

(FROM DAILY OBSERVATIONS)

2747  
 STATION

AMARILLO MAP TX  
 STATION NAME

46-51

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	TRACE	TRACE	4.2	.0	.0	.0	.0	.0	.0	3.0	2.5	TRACE	4.2
77	3.6	1.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.2	.2	3.6
78	2.5	3.3	.7	TRACE	.5	.0	.0	.0	.0	.0	2.0	1.7	3.3
79	1.4	1.7	TRACE	TRACE	.0	.0	.0	.0	.0	1.6	1.9	.3	1.9
80	.7	3.8	.6	TRACE	.0	.0	.0	.0	.0	.0	.5	TRACE	3.8
81	1.0	.1	.1	.0	.0								
MEAN	1.79	2.19	1.40	.34	.01	.00	.00	.00	.00	.23	1.35	1.39	4.41
S.D.	1.690	2.692	2.052	1.049	.084	.000	.000	.000	.000	.735	1.941	1.408	2.530
TOTAL OBS	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

23047 STATION AMARILLO MAP TX STATION NAME 46-61 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV.	DEC	ALL MONTHS	
46							.0	.0	.0	.0	1.3	.9		
47	4.7	1.0	5.4	8.0	.0	.0	.0	.0	.0	.0	.9	4.1	24.1	
48	6.8	8.6	4.1	.0	.0	.0	.0	.0	.0	.0	.7	.2	20.4	
49	8.4	.3	TRACE	2.4	.0	.0	.0	.0	.0	TRACE	.0	.1	11.2	
50	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.5	.5	
51	4.3	1.3	.3	TRACE	.0	.0	.0	.0	.0	.0	.9	4.5	11.3	
52	4.0	.4	.2	TRACE	.0	.0	.0	.0	.0	.0	13.6	4.7	22.9	
53	6.4	1.2	TRACE	.0	TRACE	.0	.0	.0	.0	.0	TRACE	1.5	9.1	
54	3.1	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.4	
55	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.2	1.8	2.7	
56	.7	14.7	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.7	
57	1.6	1.6	11.1	TRACE	.0	.0	.0	.0	.0	TRACE	2.9	.0	17.2	
58	5.2	5.2	8.6	TRACE	.0	.0	.0	.0	.0	.0	2.1	2.7	23.8	
59	1.7	.9	1.4	TRACE	.0	.0	.0	.0	.0	.0	.9	TRACE	4.9	
60	12.9	5.9	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	3.6	22.9	
61	1.6	3.1	14.7	.3	.0	.0	.0	.0	.0	.0	4.9	.5	25.3	
62	2.3	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	7.6	.8	10.8	
63	.5	4.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	3.6	8.9	
64	TRACE	17.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.5	17.8	
65	5.6	3.8	2.3	.0	.0	.0	.0	.0	.0	.0	.0	1.4	13.1	
66	7.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	9.5	
67	TRACE	1.1	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	2.1	9.7	
68	.6	8.0	2.9	.0	.0	.0	.0	.0	.0	.0	.3	1.8	13.6	
69	.2	2.9	10.3	.0	.0	.0	.0	.0	.0	.0	TRACE	7.1	20.5	
70	.1	TRACE	14.1	1.8	.0	.0	.0	.0	.0	.0	3.9	2.6	TRACE	22.5
71	.8	17.3	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.9	27.0	
72	1.6	2.0	.6	.0	.0	.0	.0	.0	.0	.0	.4	9.9	2.8	17.3
73	7.0	4.2	.5	5.7	.0	.0	.0	.0	.0	.0	.4	1.5	19.3	
74	3.6	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.5	6.3	
75	3.8	11.7	1.2	TRACE	.0	.0	.0	.0	.0	.0	.4	1.8	18.9	
MEAN														
S. D.														
TOTAL OBS														

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

23.47 STATION AMARILLO MAP TX STATION NAME 46-81 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76	TRACE	TRACE	4.2	.0	.0	.0	.0	.0	.0	3.9	4.3	TRACE	12.4
77	6.4	3.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.3	.2	11.6
78	8.2	9.4	1.5	TRACE	.5	.0	.0	.0	.0	.0	2.0	3.3	24.9
79	5.9	1.9	TRACE	TRACE	.0	.0	.0	.0	.0	1.6	2.2	.3	11.9
80	1.4	5.2	1.0	TRACE	.0	.0	.0	.0	.0	.0	6.6	TRACE	16.2
81	1.1	.1	.1	.0	.0								
MEAN	3.37	3.99	2.53	.53	.01	.00	.00	.00	.00	.28	2.00	1.97	15.02
S.D.	3.176	4.894	4.142	1.690	.084	.000	.000	.000	.000	.946	3.237	2.110	7.016
TOTAL OBS	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

NOTE \* (BASED ON LESS THAN FULL MONTHS)

3 GLOBAL CLIMATOLOGY BRANCH  
 U.S. AFETAC  
 AIP WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

23.47 AMARILLO MAP TX 46-81  
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
	SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	75.0	11.8	6.1	2.7	2.2	2.1	.1							13.2	1085			
FEB	79.1	10.5	4.3	2.2	1.4	1.7	.3	.4						10.4	989			
MAR	91.1	5.1	2.5	.6	.2	.5	.2							3.9	1085			
APR	98.9	.9	.1	.1		.1								.3	1050			
MAY	99.9	.1													1085			
JUN	100.0														1020			
JUL	100.0														1085			
AUG	100.0														1085			
SEP	100.0														1050			
OCT	99.4	.5	.1											.1	1085			
NOV	91.8	4.5	1.3	1.0	.8	.4	.3							3.7	1050			
DEC	86.9	8.4	2.4	.9	.7	.6	.1							4.7	1085			
ANNUAL	93.5	3.5	1.4	.6	.4	.4	.1	.0						3.0	12754			

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

27047 AMAPILLO MAP TX 46-81  
STATION STATION NAME YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46							0	0	0	0	TRACE	TRACE	
47	4	TRACE	4	1	0	0	0	0	0	0	0	TRACE	4
48	5	4	2	0	0	0	0	0	0	0	0	TRACE	5
49	3	3	0	TRACE	0	0	0	0	0	0	0	TRACE	3
50	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
51	3	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	4	4
52	4	TRACE	0	0	0	0	0	0	0	0	9	3	9
53	3	1	TRACE	0	0	0	0	0	0	0	TRACE	1	3
54	1	0	1	0	0	0	0	0	0	0	0	1	1
55	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	TRACE	1	1
56	1	13	TRACE	0	0	0	0	0	0	0	0	TRACE	13
57	TRACE	1	10	TRACE	0	0	0	0	0	TRACE	2	0	10
58	3	3	3	0	0	0	0	0	0	0	1	3	3
59	2	1	1	TRACE	0	0	0	0	0	0	1	TRACE	2
60	7	1	1	0	0	0	0	0	0	0	0	3	7
61	1	2	4	0	0	0	0	0	0	0	3	1	4
62	2	TRACE	0	0	0	0	0	0	0	0	4	TRACE	4
63	TRACE	2	0	0	0	0	0	0	0	0	0	2	2
64	TRACE	13	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	13
65	2	2	1	0	0	0	0	0	0	0	0	1	2
66	6	1	TRACE	0	0	0	0	0	0	0	0	2	6
67	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	2	2	2
68	TRACE	4	1	0	0	0	0	0	0	0	0	TRACE	4
69	TRACE	2	2	0	0	0	0	0	0	0	TRACE	6	6
70	2	0	7	TRACE	0	0	0	0	0	1	0	TRACE	7
71	1	14	TRACE	0	0	0	0	0	0	0	0	7	14
72	1	2	0	0	0	0	0	0	0	0	2	2	2
73	5	3	TRACE	6	0	0	0	0	0	0	TRACE	2	6
74	3	1	0	0	0	0	0	0	0	0	TRACE	1	3
75	2	6	1	0	0	0	0	0	0	0	0	1	6
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

GLOPAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

23047 AMAPILLO MAP TX 46-81  
STATION STATION NAME YEARS

#### DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	TRACE	TRACE	1	0	0	0	0	0	0	TRACE	3	0	3
77	5	2	0	0	0	0	0	0	0	0	1	0	5
78	3	5	1	TRACE	TRACE	0	0	0	0	0	TRACE	2	5
79	1	1	TRACE	0	0	0	0	0	0	TRACE	2	TRACE	2
80	1	4	TRACE	0	0	0	0	0	0	0	4	TRACE	4
81	TRACE	TRACE	TRACE	0	0								
MEAN	2.0	2.7	1.1	.2	TRACE	.0	.0	.0	.0	.0	1.0	1.3	4.9
S. D.	1.948	3.668	2.171	1.023	.000	.000	.000	.000	.000	.169	1.855	1.725	3.474
TOTAL OBS	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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

## PART C

## SURFACE WINDS

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

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

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUE**  
 SURFACE WINDS

(FROM DAILY OBSERVATIONS)

23047 AMARILLO MAP TX 69-81  
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTH
67										S	*33S	41W	49
70	SW	43N	35SE	47SSE	51NW	38S	59W	41N	52WSW	36NW	46NW	53NW	55 S
71	W	41N	52N	51NE	53S	55SW	60S	40S	37NE	40W	42NW	44W	38 SW
72	W	42N	37N	44W	48S	44NE	60NW	42NE	36N	34N	33N	50N	42 NE
73	N	56W	44W	63SW	70N	52NE	38NW	36W	49SW	39S	34SW	45N	47 SW
74	N	39N	50W	46SW	51S	51W	50NW	40NW	57N	42SW	37N	37NW	44 NW
75	N	50N	45W	50S	55S	51NW	49W	45S	35N	36S	36SW	63SW	42 SW
76	N	53N	58W	54NW	53NW	61S	46NE	44SW	41N	44NE	36N	39N	39 NW
77	W	41W	53N	66W	51NE	44E	45S	37SE	34W	36NE	37N	49W	46 N
78	W	41N	39S	49S	53NW	51E	40NW	39S	40SW	39NE	45SW	42N	41 S
79	N	46NW	42N	50SW	47S	40NW	45N	60N	47W	39NW	64NW	39W	43 NW
80	N	46W	50N	52NW	47NE	40SE	41SE	40N	40SE	39SW	40N	33N	33 N
81	W	34N	42NW	49S	57N	44							
MEAN	44.3	45.6	51.8	53.0	47.6	48.5	42.2	42.0	38.7	40.9	44.6	43.3	6
S.D.	6.213	7.051	6.552	6.164	6.973	8.042	6.478	7.607	2.796	8.757	8.163	5.659	5.
TOTAL OBS	370	339	372	360	372	328	340	341	330	355	358	372	4

NOTES \* (BASED ON LESS THAN FULL MONTHS)

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

ALBUQUERQUE BRANCH  
 STAG  
 WATSON SERVICE/RAC

# SURFACE WINDS

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

7 ABILLO MAP TX 74-81 JAN MONTH

ALL WEATHER CLASS  
 CONDITION

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	4.6	3.6	1.5	1.2	.5	.4				14.4	12.1
NNE	.1	.3	.0	3.1	.7	.1	.1					3.4	12.2
NE		.4	.7	.5	.4	.1						3.2	12.2
ENE		.3	.3									.8	6.5
E		.0	.0	.1								2.3	6.9
ESE		.1	.9	.7								1.7	9.5
SE		.7	1.7	1.6	.4							4.4	10.2
SSE		1.2	1.3	1.9	.3							4.7	10.1
S		3.2	4.4	6.6	1.5	.1						15.9	10.2
SSW		2.0	2.0	2.0	.7							7.7	10.6
SW	.4	.7	6.9	2.3	.9	.1						11.3	9.9
WSW	.3	1.2	2.4	1.9	.4							6.2	9.3
W	.1	1.3	2.8	1.9	.9	.3						7.4	10.7
WNW	.4	1.7	2.2	1.2	.3							5.5	8.4
NW		.0	2.2	1.5	.3							4.3	9.4
NNW		.9	1.2	1.3								3.5	9.8
VARBL													
CALM												2.2	
	1.3	19.5	36.4	30.2	8.2	2.0	.7	.4				100.7	11.4

TOTAL NUMBER OF OBSERVATIONS 744

USAF CLIMATOLOGY BRANCH  
 AF TACT  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

2147      ANAPILLO MAP TX      74-81      JAN

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1960-1969

CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.2	4.2	6.9	2.2	.5	.8					15.7	13.2
NNE		.0	1.9	2.3	.9	.1	.3					6.3	13.1
NE		.3	.4	.3	.3							1.2	11.7
ENE		.1	.4	.3								.8	8.7
E	.1	.5	.2									1.5	6.8
ESE		.7	.5		.1							1.3	8.4
SE		.7	.7	1.7	.3							3.4	10.5
SSE		.9	.9	1.3								3.2	9.4
S		1.7	4.7	3.5	1.2							11.2	10.5
SSW	.3	.7	2.7	2.4	.7	.1						6.9	11.1
SW	.1	1.6	6.6	2.0	.7							11.7	9.6
WSW	.1	1.7	4.2	2.7	.8							9.5	10.1
W	.1	1.7	3.0	.7	.9	.1	.3					6.9	10.5
WNW	.1	1.3	3.8	.7	.1							6.7	8.2
NW		2.0	3.5	2.0	.4	.1						6.1	9.4
NNW		.4	2.4	1.6	.3	.3	.1					6.1	11.3
VARBL													
CALM												1.9	
	.0	16.5	47.6	28.4	8.9	1.3	1.5					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS      744



U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFSSAF  
 WEATHER SERVICE/MAL

# SURFACE WINDS

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

2142 STATION 74-81 MONTH 0607-0608

STATION

WABILLO MAP TX

STATION NAME

74-81

YEARS

MONTH

ALL WEATHER

CLASS

0607-0608

MONTH (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	1.6	6.0	3.5	3.1	1.5						16.2	12.4
NNE	.1	.7	1.1	2.7	.7	.4						5.6	13.8
NE		.1	.9	.4		.5						1.9	13.9
ENE		.4		.3								.7	7.8
E		.4	.5	.1								1.1	7.9
ESE		.1	.1	.1	.1							.5	10.3
SE		.7	.2	1.6	.4							3.5	18.6
SSE	.1	.9	1.7	.5								3.4	7.9
S		1.2	2.7	4.2	.7	.1						9.5	10.7
SSW	.1	.7	2.7	1.1	.4	.4						5.4	11.0
SW		1.9	6.9	2.4	.3							11.4	9.1
WSW	.1	2.7	5.5	2.2	.1	.1						8.7	8.9
W	.1	1.9	1.7	2.0	.9		.1					6.7	10.6
WNW		2.3	2.4	1.1	.1	.3						6.2	9.0
NW	.1	2.0	6.2	2.0	.5							11.9	9.0
NNW		1.6	2.4	1.2	.1	.3	.3					5.9	10.5
VARBL													
CALM												2.6	
	1.1	19.9	39.7	25.4	7.4	3.6	.4					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 47 AMARILLO MAP TX STATION NAME: 74-81 YEARS: JAN  
STATION MONTH  
 CLASS: ALL WEATHER 1900-1100  
CLAS 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	2.1	5.2	3.2	1.1	.3					14.2	13.9
NNE	.1	.4	1.7	3.5	.5	1.1	.1					7.5	14.1
NE		.3	1.1	.8	.5	.1						2.8	12.2
ENE		.4	.1	.5								1.1	9.8
E		1.1	.3	.4	.5							2.3	10.1
ESE		.1	.5	.1								.6	8.5
SE		.5	.3	1.2	.3							2.3	11.4
SSE		.7	.8	1.2	.3							3.0	10.8
S		1.2	2.8	4.0	1.9							7.9	12.1
SSW	.1	.5	2.2	2.0	.7	.3						5.8	12.0
SW	.1	.9	3.0	2.7	1.7	.1						10.6	11.2
WSW		.8	3.1	2.6	.7	.1						7.3	10.7
W	.1	1.6	1.7	1.7	.7	.1						5.3	10.1
WNW		1.3	3.0	2.0	.5	.4						7.3	11.1
NW	.1	1.5	4.0	3.0	.9	.3						9.8	10.7
NNW		.7	3.0	3.1	.4	.1	.3					7.5	11.9
VARBL													
CALM												1.7	
	.7	13.4	32.7	34.1	12.9	3.6	.7					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATE CLIMATOLOGY BRANCH  
 WPC/FAO  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2047 AMARILLO MAP TX STATION NAME 74-81 YEARS JAN MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	2.8	3.0	3.0	1.6	.4					14.5	14.9
NNE	.1	.5	1.3	2.7	2.0	.9	.1					7.7	14.8
NE	.1	.4	.6	1.7		.1						3.2	10.9
ENE		.1	.6	.9	.1							2.0	11.2
E		.5	.5	.7								1.7	6.3
ESE	.1		.7	.5								1.3	9.3
SE		.8	1.2	.3	.3							2.6	8.8
SSE	.3	.7	.6	2.0	.4							4.2	10.7
S	.3	.1	2.4	4.4	2.4	.1						9.8	13.2
SSW	.1	.3	1.9	3.2	1.7	1.1						9.3	14.3
SW		.6	1.3	2.0	1.9	1.3						7.4	15.0
WSW		.1	.5	1.7	1.9	2.0	.1					6.5	10.3
W		.6	1.5	2.7	1.9	.9	.1					7.7	14.7
WNW	.1	.7	1.9	2.3	1.1							6.0	11.5
NW	.3	1.2	2.0	1.0	.3	.7						6.3	10.9
NNW		.3	2.2	4.3	.8	.3						6.3	12.3
VARBL													
CALM												2.4	
	1.5	8.3	22.7	37.5	17.7	9.0	.8					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 METEOROLOGICAL SERVICE/TAC

# SURFACE WINDS

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

STATION 247 STATION NAME AMAPILLO MAP TX YEARS 74-81 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		2.7	2.9	5.6	2.7	1.2						14.0	13.3
NNE		1.1	2.2	2.6	1.6	.7	.1					9.5	13.4
NE		.7	.9	1.1	.4	.3						3.0	12.5
ENE		.3	1.2	.4								1.9	9.1
E		.7	2.2	.5		.1						3.5	9.3
ESE	.7	.4	.4	.5								1.6	8.8
SE		.1	.8	1.9	.5							3.4	13.1
SSE		.7	1.2	2.4	.7							5.3	11.7
S		.8	2.4	4.2	2.7	.3						13.3	13.2
SSW	.1	.9	1.3	2.7	2.7	.9	.3					9.3	14.7
SW		.3	1.3	3.9	1.9	.5						9.5	13.9
WSW	.1	.3	.9	2.0	1.9	1.7	.1					7.1	16.8
W	.1	.7	.9	2.3	1.6	1.1						6.7	14.8
WNW		.4	1.5	1.7	.9							4.6	12.0
NW	.1	1.1	2.0	1.3	.7							3.2	10.0
NNW	.1	.9	1.9	2.2	.7	.3						5.9	11.6
VARBL													
CALM												1.9	
	.9	11.3	4.1	35.8	18.4	7.1	.5					100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 47 AMARILLO MAP TX STATION NAME: 74-81 YEAR: MONTH: JAN

ALL WEATHER

1960-1960  
 HOURS (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		2.7	2.7	2.6	1.2	.5						5.7	11.1
NNE		1.3	1.1	1.9	1.1							5.4	11.1
NE	.1	1.7	2.4	2.2	.7							7.1	9.6
ENE	.1	.7	1.2	.4								2.4	7.5
E		1.1	1.3	.5								3.0	7.8
ESE		.5	2.2	1.7	.1							4.6	10.1
SE	.1	1.6	3.5	1.9	.4							7.5	9.4
SSE		.9	3.8	4.7	.8							10.2	11.0
S	.3	1.3	4.2	5.4	2.2							13.3	11.5
SSW		1.7	2.7	.7	.4							5.5	9.0
SW	.1	.9	2.6	2.6	.4							6.9	10.5
WSW		.4	2.3	1.7	.7	.3						3.4	11.7
W		.5	.8	2.2	.8	.1						4.4	12.8
WNW		1.1	1.1	.1								2.3	7.1
NW		1.9	1.2	.3								3.4	6.6
NNW	.2	1.5	1.5	.8								4.0	7.7
VARBL													
CALM												5.0	
	1.1	20.0	34.7	29.6	8.7	.9						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 744

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

# SURFACE WINDS

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

2047 AVAPILLO MAP TX 74-81 JAN 1980  
 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	.5	1.9	2.8	2.7	.9	.1					5.0	14.1
NNE		.7	2.0	1.7	.8	.3						5.5	12.2
NE		1.2	1.9	.9	.3							4.3	9.3
ENE		1.2	.8									2.0	6.7
E		.3	1.2	.3	.3							2.6	8.7
ESE		.9	1.2	1.1								3.2	9.4
SE			1.6	3.8	1.7	.5						7.7	9.5
SSE	.1	1.5	4.2	4.7	1.2	.1						11.5	10.6
S		2.3	5.4	4.6	1.7	.3						14.2	10.7
SSW		1.7	3.2	3.0	.6							8.7	10.4
SW		1.2	3.8	1.6	.1							6.7	9.2
WSW		.7	2.3	3.1	1.1							7.7	11.7
W		1.1	.9	1.9	1.1	.3						5.2	12.7
WNW		1.2	1.3	.5								2.1	8.0
NW		2.0	.7	.5	.1							3.4	7.4
NNW		1.1	1.7	.5	.3							3.6	8.9
VARBL													
CALM												1.7	
	.3	12.8	36.8	29.0	10.3	1.9	.1					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 U.S. FETAC  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 AMARILLO MAP TX STATION NAME 74-81 YEARS JA MONTH ALL  
 CLASS ALL HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	3.5	4.6	2.3	1.1	.3	.1				10.4	13.3
NNE	.1	.7	1.5	2.6	1.7	.4	.1					5.5	13.2
NE	.0	.5	1.1	1.0	.3	.2						3.2	11.0
ENE	.0	.4	.6	.4	.0							1.4	8.5
E	.0	.8	1.0	.3	.1	.0						2.2	8.0
ESE	.1	.4	.8	.6	.1							1.9	9.4
SE	.7	.9	1.6	1.5	.4							4.3	10.2
SSE	.1	.9	1.8	2.4	.5	.0						5.7	10.6
S	.1	1.6	3.6	4.6	1.8	.1						11.8	11.5
SSW	.1	1.1	2.5	2.1	1.0	.4	.0					7.2	11.8
SW	.1	1.1	4.3	2.4	1.0	.3						9.2	10.9
WSW	.1	1.0	2.5	2.2	.9	.5	.0					7.3	12.0
W	.1	1.2	1.7	1.9	1.1	.4	.1					6.4	12.1
WNW	.1	1.3	2.1	1.2	.4	.1						5.2	9.7
NW	.1	1.6	2.7	1.6	.4	.1						6.5	9.5
NNW	.1	1.0	2.0	1.9	.3	.2	.1					5.5	10.9
VARBL													
CALM												2.4	
	1.0	16.0	33.5	31.2	11.6	3.7	.6	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 5952

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

# SURFACE WINDS

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

STATION: 27 47 AMAPILLO MAP TX STATION NAME: 74-R1 YEAR: FEB MONTH: 1000-0201  
 CLASS: ALL WEATHER HOURS (L.S.T.):  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	3.2	2.1	.3	.7	.4					3.1	11.7
NNE		.4	1.3	1.9	.6		.1					4.4	12.7
NE		.2	1.3	1.5	.6	.3						4.1	12.5
ENE		.6	.7	.4								1.8	8.3
E		.6	1.2	1.3								3.1	10.0
ESE		.4	.9	.6	.1							2.1	9.7
SE		.3	.9	1.5	.1	.4						3.2	12.6
SSE		.6	2.4	2.1								5.0	9.6
S		1.9	5.5	4.0	2.4	.3						15.9	11.6
SSW		1.0	4.0	3.4	1.0							9.4	10.7
SW	.1	1.9	7.1	4.7	1.5							15.3	10.3
WSW		.9	3.4	1.3	.6							6.2	10.1
W		.9	1.2	1.8	1.2	.9						5.9	13.6
WNW		.7	2.1	1.2	.4		.1					4.6	10.7
NW		.7	3.1	1.6	.3	.6	.1					5.5	11.4
NNW		.1	1.5	.9	.3	.1	.3	.1				3.4	14.1
VARBL													
CALM												.9	
	.4	12.4	39.7	32.4	9.4	3.4	1.2	.1				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 675



NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION: 47      STATION NAME: AMARILLO MAP TX      YEARS: 74-81      MONTHS: FEB  
 CLASS: ALL WEATHER      HOURS (L.S.T.): 0300-1800  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.2	4.0	3.1	1.7	.7	.3	.4				10.3	13.3
NNE			2.4	1.8		.7						4.9	12.8
NE			1.0	1.2	.1	.1						2.5	12.0
ENE		.4	.1									.9	8.3
E		.2		1.2								1.5	10.4
ESE		.3	1.0	.1								1.5	8.7
SE		.3	1.2	.7		.4						2.7	12.2
SSE	.1	.3	1.5	.6								2.5	8.6
S		1.8	3.1	4.6	1.7							12.5	10.9
SSW		1.5	2.9	3.4	.6	.1						8.6	10.3
SW		1.3	6.0	6.2	.3							14.3	13.3
WSW		.7	3.5	4.0	1.6	.1						12.0	12.1
W		1.7	1.3	2.4	1.0	.4						9.2	12.7
WNW		1.3	2.9	.9	1.2	.3	.4					7.1	12.5
NW		1.6	5.6	3.1	.4							10.9	9.7
NNW		.5	1.6	1.0	.7			.1				4.1	12.2
VARBL													
CALM												1.3	
	.1	13.4	38.3	34.2	8.1	3.1	.7	.6				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 672

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

# SURFACE WINDS

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

STATION 2747 STATION NAME AMARILLO MAP TX YEARS 74-81 MONTH FEB  
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-2400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.3	2.9	3.2	1.9	1.0	.9	.1				11.3	14.5
NNE		.3	1.5	2.1	.4	.1	.1					4.7	12.0
NE		.1	1.0	.6	.1							1.9	11.1
ENE		.4	.3	.3	.3							1.3	10.7
E		.3	.1	.3								.7	8.6
ESE			.3	.1								.4	9.2
SE		.3	1.3	.6	.1	.1						2.0	10.7
SSE	.1	.1	1.3	1.2	.1							2.7	10.5
S		.6	3.1	2.8	.3							6.3	10.0
SSW	.1	.6	4.7	3.1	.3							8.8	10.2
SW	.1	1.0	7.7	4.7	.1							13.7	9.5
WSW		.6	3.8	2.2	1.2	.1						6.0	11.5
W		2.1	2.9	2.2	.6	.7						8.0	10.9
WNW		1.3	2.9	.7	1.2	.6						6.5	11.9
NW	.3	1.5	8.3	3.5								13.6	9.2
NNW	.1	.7	3.2	2.2	.3							6.6	9.8
VARBL													
CALM												1.2	
	.9	11.1	45.9	29.9	7.1	2.8	1.0	.1				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 675

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47 STATION ABILENE MAP TX STATION NAME 74-81 YEARS 1980-1986 MONTHS 1980-1986  
 CLASS ALL WEATHER  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.2	4.1	4.6	2.2	2.2	.6					17.5	14.5
NNE		.3	1.6	2.2	1.2	.6	.4					4.3	15.2
NE		.4	1.2	1.0	.7							3.4	12.0
ENE		.1	.3	.4	.7							1.6	14.2
E	.1	.4	1.3	.6								2.5	8.4
ESE		.1	.7	.1								1.0	8.1
SE			.6	.6	.4	.1						1.6	13.0
SSE		.1	.9	1.5	.1							2.7	11.3
S		.3	.9	2.7	1.2	.1						6.2	13.0
SSW		.3	1.3	4.1	1.3	.4						7.5	13.0
SW	.1	.5	2.7	3.7	1.5	.3						8.5	12.3
WSW		.7	1.8	4.7	1.5	1.0						4.7	13.0
W		.2	1.3	2.4	1.2	1.6						7.5	14.7
WNW		1.2	2.5	2.5	.7	.6						7.5	11.7
NW	.1	.9	4.4	4.0	.7	.6	.1					12.9	11.0
NNW		1.2	2.1	4.0	.4		.1					7.8	11.0
VARBL													
CALM												.3	
	.4	8.8	27.7	39.1	14.6	7.7	1.3					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 676

METEOROLOGICAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 27147 STATION NAME ABABILLO MAP TX YEARS 74-81 MONTH FEB  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.7	6.0	4.6	2.4	.4	.1				17.3	15.7
NNE			1.0	2.4	2.4	.3	.1					6.9	13.1
NE			.6	1.2	.4							2.2	13.1
ENE		.4	1.2	1.0	.3							2.9	10.5
E		.1	.9	.7	.3							2.1	11.4
ESE		.2	.7	.9	.1							2.1	9.9
SE		.5	.9	.9	.4							3.6	11.3
SSE		.4	.6	1.0	.1							3.2	10.3
S		.4	1.9	4.0	2.2							8.6	13.4
SSW			.7	2.9	3.2	1.0	.3					6.3	17.2
SW	.2	.1	.7	3.5	3.1	.7						8.0	15.2
WSW		.4	1.3	1.9	1.5	1.0						6.2	14.9
W		.2	1.0	1.3	2.1	1.5	1.0	.1				7.4	15.6
WNW		.4	1.6	2.0	.9	1.0	.4					7.4	14.6
NW	.1	.4	2.7	3.7	1.0	1.0						9.0	13.4
NNW		.4	1.2	2.1	.7	.7						5.9	12.2
VARBL													
CALM												.3	
	.4	5.6	21.2	36.6	23.5	9.7	2.4	.3				100.0	14.6

TOTAL NUMBER OF OBSERVATIONS 675

FEDERAL CLIMATOLOGY BRANCH  
 WFO  
 WEATHER SERVICE / MAC

# SURFACE WINDS

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

STATION 47 AMARILLO MAP TX STATION NAME 74-61 YEARS 72-74  
 CLASS ALL WEATHER MONTHS 1900-1900  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.2	2.2	3.4	2.3	1.9	.3					11.5	15.4
NNE		.3	.7	2.7	3.1	.3						7.1	15.4
NE	.3	.4	.7	2.1	.3							4.3	10.6
ENE		.3	1.3	.7								2.4	9.6
E		.3	1.6	.7	.1							2.8	9.3
ESE		1.2	.6	1.5								3.2	9.6
SE		.7	.6	2.1	.3							3.7	11.0
SSE		.3	.9	.7	.6	.1						2.7	12.7
S	.1		1.6	3.2	4.4	1.2						17.6	15.9
SSW		.3	1.5	3.1	1.7	1.3						7.2	14.6
SW	.1	.3	1.6	4.0	2.8	.9		.1				9.9	15.0
WSW			.7	1.3	1.3	1.2	.3					4.9	17.6
W	.2	1.7	1.5	1.6	2.1	.6	.7	.1				8.3	15.2
WNW		1.6	2.1	2.1	1.6	.3	.1	.3				6.1	12.6
NW		.6	3.0	2.5	.7	.3						7.1	11.5
NNW	.1	1.0	.7	1.6	1.2	.6	.4					5.6	14.7
VARBL													
CALM												.7	
	1.7	9.7	21.4	33.4	22.5	8.7	1.9	.6				100.0	13.9

TOTAL NUMBER OF OBSERVATIONS 677

NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

23 47      APARILLU MAP TX      74-81      FEB

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1900-2000

CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	1.9	2.9	2.4	.6						9.4	12.4
NNE		.7	2.5	2.4	1.7	.5						5.1	12.8
NE		1.3	1.5	1.9	.4							5.2	10.6
ENE		1.2	2.2	1.3								4.7	8.6
E		.7	2.6	1.6								5.2	7.5
ESE		.7	2.1	.9								3.7	9.8
SE		1.3	2.2	1.6	1.3							6.5	13.9
SSE		.4	2.5	1.8	.6							5.3	13.8
S		1.2	4.0	4.6	4.3	.1						16.2	12.6
SSW	.1	.3	4.1	2.8	.9							3.3	10.6
SW		.4	3.8	1.5	.4							5.9	10.1
WSW		.4	1.2	1.2	.6		.1					3.5	12.1
W	.1	.1	2.7	2.2	.7	.4	.3					6.5	13.0
WNW		1.0	1.8	.9	.1			.1				4.3	13.7
NW		.4	1.2	.9	.3	.1	.1					3.1	11.9
NNW		.7	.1	.4	.7	.3	.1					2.7	13.8
VARBL												1.1	
CALM													
	.7	13.1	30.3	25.9	14.9	2.2	.7	.1				70.2	11.7

TOTAL NUMBER OF OBSERVATIONS      676

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

# SURFACE WINDS

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

STATION 247 MIAMI, FLORIDA STATION NAME MIAMI, FLORIDA YEARS 74-81 MONTHS 12  
 CLASS ALL WEATHER HOURS (L.S.T.) 2400-2300  
 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		.2	3.2	2.9	.7	.7	.1					1.5	12.2
NNE		.5	1.0	1.5	1.9	.1						3.2	13.5
NE		.2	1.0	1.0	.1							3.1	3.6
ENE		.7	2.2	1.2	.1							4.3	6.0
E	.1	.4	2.8	.9								4.3	6.9
ESE		.9	2.1	1.0								4.3	6.5
SE		.3	2.8	2.1	.1	.4	.1					5.9	11.3
SSE		.7	4.6	4.7	.9							13.9	11.0
S	.1	.9	7.8	5.3	2.0	.3						17.4	11.8
SSE		1.3	5.9	2.1	1.3							10.6	10.3
SW		1.1	2.5	1.3	.6							5.6	10.0
WSW	.1	.5	2.4	.9	.4	.1						4.5	12.1
W	.1	.6	.6	2.2	1.0	.6	.1	.1				5.5	14.9
WNW		.9	.1	.7	.3							2.1	13.0
NW	.1	1.0	1.8	.9	1.0	.3						5.2	11.0
NNW		.6	.9	.6	.6		.7					3.9	13.2
VARBL													
CALM												.4	
	.7	12.1	42.0	29.4	12.2	2.2	.7	.1				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 672

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

0147

SMAYILLO MAP TX

74-81

FEB

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	.0	1.1	3.0	7.5	2.1	1.2	.4	.1				11.5	14.1
NNE		.4	1.6	2.1	1.4	.4	.1					6.0	13.9
NE	.0	.5	1.1	1.3	.4	.1						3.3	11.7
ENE		.5	1.1	.7	.2							2.5	8.0
E	.7	.4	1.3	.9	.1							2.8	9.6
ESE		.5	1.1	.7	.7							2.2	9.2
SE		.5	1.3	1.3	.4	.2	.0					3.6	11.5
SSE	.0	.4	1.9	1.7	.3	.0						4.3	10.7
S	.0	.9	3.7	4.1	2.3	.3						11.4	12.4
SSW	.0	.7	3.2	3.1	1.2	.4	.0					8.6	12.1
SW	.1	.9	4.0	3.7	1.3	.2		.0				10.3	11.4
WSW	.0	.6	2.3	2.2	1.1	.5	.1					6.6	12.8
W	.1	.9	1.6	2.0	1.2	.8	.3	.1				6.9	14.2
WNW		1.0	2.0	1.5	.8	.4	.1	.1				5.9	12.1
NW	.1	.7	3.7	2.5	.6	.4	.1					5.3	11.1
NNW	.0	.7	1.5	1.6	.6	.2	.2	.0				4.9	12.5
VARB												.3	
CALM													
	.6	10.9	34.3	33.0	14.0	5.0	1.3	.3				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

5423



FEDERAL CLIMATOLOGY BRANCH  
 WFO/TAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2047 AMARILLO M&P TX 74-81 MA MONTHS

ALL WEATHER  
 CLASS  
 CONDITION

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.6	1.1	2.4	3.1	.9	.7					2.1	15.3
NNE		.4	1.2	1.3	.7	.9	.1					4.8	14.6
NE	.1	.1	1.1	.7	.5	.1						2.7	11.8
ENE		.1	.7	.4								1.2	6.4
E		.3	1.3		.1							1.7	9.1
ESE	.1	.3	.7	.9	.3							2.3	13.6
SE		.4	2.6	1.6	.3	.4						3.2	11.4
SSE		.7	3.4	3.1	2.6							7.7	12.4
S		.5	4.2	4.2	3.1	1.9	.1					10.5	14.1
SSW		.5	2.7	3.0	1.6	.1						7.9	12.8
SW		1.9	5.5	4.4	1.7							13.6	10.9
WSW		.5	2.6	2.3	.5	.4						6.3	11.9
W		.1	1.3	.7	.5	.6	.4					4.0	15.4
WNW			1.9	.4	1.1	.5						3.7	13.8
NW		.5	.8	1.9	.5	.1						3.7	12.6
NNW		.5	.7	.5	.9			.4				3.1	15.7
VARBL													
CALM												1.5	
	.3	3.6	31.6	31.9	17.7	6.5	1.6	.4				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 WAFBETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47 STATION AMARILLO MAP TX STATION NAME 74-81 YEARS MONTH MAR 0300-0500 HOURS (L.S.T.)  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	3.0	4.6	3.4	1.6	.4					14.1	14.9
NNE	.3	.4	.4	.9	.7	.1						2.8	12.8
NE	.1	.4	.8	.7	.3							2.3	10.5
ENE	.1	.3	.3	.5								1.2	8.7
E		.1	.8	.5								1.5	9.6
ESE		.7	.4	.3								1.3	7.3
SE		.4	1.6	1.2	.9	.7						4.3	12.2
SSE			1.5	2.4	1.3							5.2	13.9
S		.7	3.6	9.3	2.3	.5						13.5	12.9
SSW		.7	3.6	4.2	.5	.3						9.3	11.3
SW		1.1	4.6	4.4	1.2	.1						11.4	11.3
WSW		.7	1.9	4.3	.5	.7						3.1	12.6
W		1.5	1.3	1.7	.9	.5	.1					6.2	12.6
WNW		1.1	2.4	1.1	.5							5.1	9.9
NW		1.1	2.0	2.4	.4	.4						6.3	11.1
NNW		.9	1.1	.5	.5	.8						3.9	13.2
VARBL													
CALM												1.5	
	.8	10.9	29.3	38.2	13.4	5.4	.5					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 744

# SURFACE WINDS

FEDERAL METEOROLOGICAL SERVICE  
METAC  
WEATHER SERVICE/MAC

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

STATION 2847 STATION NAME AMARILLO, MAP, TX YEARS 74-81 DATE 0600-0800  
STATION STATION NAME YEARS DATE

CLASS ALL WEATHER  
CLASS

CONDITION \_\_\_\_\_  
CONDITION

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.2	2.4	4.1	3.4	.8	.3	.1				11.3	14.0
NNE		.7	.4	1.1	1.2	.3						3.5	14.1
NE		.4	.7	.3	.1							1.5	9.4
ENE		.5	.1	.3	.1	.1						1.2	11.2
E		.8	.5	.4								1.7	7.8
ESE		.1	.4	.3								.6	9.5
SE		.1	.7	1.2	1.1							3.1	13.7
SSE		.1	1.2	3.6	1.2	.1						6.3	13.1
S		.4	2.8	7.1	1.6	.1						12.5	12.3
SSW		1.1	2.8	3.4	.5							7.8	10.7
SW		1.3	5.6	5.5	.7							13.2	10.5
WSW		1.6	1.6	3.9	1.2	.3						6.6	12.8
W		1.9	2.6	1.7	.7	.7	.1					7.7	11.3
WNW		1.2	2.3	1.3	.5							5.4	9.7
NW	.1	1.3	2.8	2.7	.5	.1						7.7	10.2
NNW	.1	.7	2.6	1.6	.1	.7	.3	.1				6.5	12.3
VARBL													
CALM												.7	
	.3	13.2	29.6	36.4	13.0	3.2	.7	.3				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGICAL BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2147 STATION NAME AMARILLO MAP TX YEARS 74-81 MAP MSUC-1103  
STATION STATION NAME YEARS MAP  
 CLASS ALL WEATHER MSUC-1103  
 CONDITION \_\_\_\_\_ HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	1.7	2.6	5.4	2.4	.7					16.7	16.6
NNE		.3	.5	2.2	1.3	.3						4.6	14.5
NE		.5		.7	.1							1.3	10.5
ENE		.3	.3	.3	.2							1.1	11.3
E	.1	.1	.7	.2	.2							1.5	10.5
ESE		.3	.5	.5	.1							1.2	11.3
SE	.1	.3	.5	.9	1.5	.7						3.5	14.4
SSE		.5	.8	1.9	2.7	.8						6.7	15.8
S	.1	.3	1.1	4.7	2.2	.8						9.7	14.2
SSW		.1	1.2	2.2	2.7	1.2	.1					7.5	16.4
SW		.1	1.6	2.8	3.2	1.3						5.1	16.0
WSW		.3	1.1	2.4	2.6	1.5	.5					8.3	17.3
W		.3	1.3	2.4	1.5	.9	1.1					7.5	17.1
WNW		.1	1.3	2.8	.8	1.2	.7	.1				7.1	17.1
NW		.4	2.2	4.6	.8	.5	.1					8.6	13.2
NNW		.3	1.1	2.8	.5	.1	.3	.1		.1		5.4	15.3
VARBL													
CALM													
	.4	4.7	16.0	32.0	25.9	11.4	3.1	.3		.1		100.0	15.5

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 AMARILLO MAP TX STATION NAME 74-81 YEARS 1980-1982 MAP MONTHS 1200-1400  
 CLASS ALL WEATHER  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.7	4.3	4.0	2.6	.1					13.3	10.6
NNE		.3	.8	2.3	1.2	.4						5.0	14.4
NE		.4	.5	1.3	.4							2.7	12.0
ENE	.1	.1	.7	.5								1.5	9.3
E		.3	.4	.9	.1							1.7	11.7
ESE	.1	.3	.5	.4	.1							1.5	9.3
SE		.5	.5	.9	.0	.3						3.2	14.3
SSE		.7	.9	1.6	1.6	.8	.1					5.6	14.9
S		.4	.8	3.5	3.2	2.4	.1					10.5	17.4
SSW		.5	1.1	2.6	3.1	2.6	.4					10.2	17.7
SW		.1	.5	2.8	3.0	.5	.1					7.1	16.6
WSW		.1	.4	1.2	1.9	2.6	1.2	.1				7.5	21.2
W		.7	.7	2.3	1.5	1.6	2.7	.3				6.6	20.5
WNW		.3	.9	1.2	1.1	.9	.5	.4				5.4	15.4
NW			2.2	4.4	.3	.8	.3					7.9	14.5
NNW		.5	2.7	1.9	.7	1.3	.3	.1	.1	.1		7.8	15.6
VARBL													
CALM												.3	
	.7	5.4	15.5	32.3	23.1	16.8	5.2	.9	.1	.1		100.0	16.6

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47 AMAPILLO MAP TX 74-81 MAC  
 STATION STATION NAME YEARS MONTHS  
 ALL WEATHER 1507-1700  
 CLASS HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.5	3.9	2.6	1.5						10.1	13.6
NNE		.7	.8	1.9	1.2	.5	.1					5.2	14.3
NE		.3	1.5	2.0	.3			.1				4.2	12.1
ENE		.7	.9	.7								2.3	9.0
E	.1	.7	1.1	.4	.3							2.6	9.1
ESE	.1	.5	1.3	.7	.1	.1						3.0	9.9
SE		.3	.5	1.1	.8	.8						4.0	14.0
SSE		.1	1.2	1.3	1.2	.4	.3					4.6	15.4
S		.5	1.7	3.0	3.1	4.6	.4					13.3	17.9
SSW		.3	.7	1.6	2.2	1.3	.4					6.5	17.3
SW		.4	.7	2.3	3.9	1.9	.1	.1				9.4	17.8
WSW		.1	.4	1.2	1.9	3.0	.6					7.4	20.4
W		.4	1.1	1.5	2.2	2.3	2.2	.6				10.3	21.4
WNW		.7	1.3	1.3	.3	.4	.8					4.8	15.2
NW		.5	1.9	1.5	.4	.4	.8	.4				5.9	16.1
NNW		.7	.8	1.7	.7	.9	.3	.1	.3	.1		5.6	18.3
VARBL													
CALM												.8	
	.3	7.8	17.5	26.1	21.2	18.1	6.2	1.6	.3	.1		100.0	16.5

TOTAL NUMBER OF OBSERVATIONS 744

LOCAL CLIMATOLOGY BRANCH  
 USAFETAC  
 401 PATTON SERVICE/MAO

# SURFACE WINDS

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

2047 STATION AMARILLO MAP TX STATION NAME 74-81 YEARS MA MONTH 1900-1900  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	1.1	3.0	2.2	.4	.1					5.3	13.4
NNE	.1	.4	1.2	2.2	.9	.8						5.6	13.8
NE		.0	1.7	1.5	.3	.1						4.6	11.4
ENE		.3	3.1	1.6	.1							5.1	10.1
E		1.2	2.3	.9	.3							4.7	9.1
ESE		1.1	2.3	1.2	.3	.4						5.2	10.3
SE		.7	2.3	2.7	1.5	.1	.3					7.3	12.9
SSE		.4	2.7	3.6	1.3	.5	.1					3.7	13.5
S		.5	2.3	5.6	4.3	1.6	.3	.1				14.3	15.8
SSW		.1	1.6	2.2	1.1	.0						5.9	14.3
SW		.4	2.0	2.3	2.4	.1	.1					7.4	14.0
WSW		.3	1.5	1.3	.8	.4						4.3	13.3
W		.1	.3	1.2	1.2	1.9	.8	.1				5.6	20.5
WNW		.5	.5	.8	.3	.8	.4					3.4	16.3
NW		.7	.5	.5	.1	.3	.1	.1				2.4	13.9
NNW	.1	.3	.7	.3	.1	.4	1.5	.3	.1			4.3	20.4
VARBL													
CALM												1.7	
	.4	10.2	26.1	30.9	17.2	8.9	3.8	.7	.1			100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 744

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

# SURFACE WINDS

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

2747 AMARILLO MAP TX 74-81 MAC  
 STATION 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	.3	1.2	1.2	1.7	1.3	.5	.3				7.3	17.1
NNE		.8	.9	1.6	1.2	.3						4.8	12.6
NE		.7	.9	1.9	.4	.3						4.2	12.2
ENE		.9	2.0	.5	.1							3.6	10.9
E		.4	.8	1.2								2.4	10.2
ESE	.3	.3	1.9	1.2	.3							3.9	9.5
SE		.1	4.3	3.9	1.5	.7	.1					10.8	12.9
SSE		.5	5.1	5.0	2.2	.5	.3					13.6	12.6
S		1.1	3.2	4.4	3.8	2.2	.1					14.8	14.5
SSW		.5	2.6	3.0	1.2	.4						7.9	12.3
SW		.7	2.4	3.4	.3	.3						7.0	11.5
WSW		.7	2.0	1.3	.1	.4	.1					4.7	12.0
W	.3	.4	1.1	1.1	1.7	.8	.3					5.6	13.2
WNW	.1	.1	.9	.9	1.3	.3						3.8	14.3
NW		.1	.8	.7		.4						2.0	12.5
NNW		.3	.1	.4	.7	.3	.7	.1				2.5	11.1
VARBL													
CALM												1.2	
	.8	6.7	30.4	31.7	16.5	8.1	2.2	.4				102.0	13.1

TOTAL NUMBER OF OBSERVATIONS 744



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 2047 AMARILLO MAP TX STATION NAME: 74-01 YEARS: MONTH: ALL  
 CLASS: ALL HOURS (L.S.T.):  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	1.7	3.7	3.2	1.4	.3	.1				11.4	15.5
NNE	.1	.6	.6	1.7	1.1	.5	.0					4.6	13.9
NE	.0	.5	.9	1.1	.3	.1		.0				2.9	11.3
ENE	.0	.4	1.0	.6	.1	.0						2.2	9.6
E	.0	.5	1.0	.6	.1							2.2	9.5
ESE	.1	.4	1.0	.7	.2	.1						2.4	7.9
SE	.0	.5	1.6	1.7	1.0	.4	.1					5.2	13.1
SSE		.4	2.1	2.8	1.8	.4	.1					7.6	13.6
S	.0	.7	2.5	3.6	2.9	1.6	.2	.0				13.7	14.8
SSW		.5	2.0	2.7	1.6	.9	.1					7.9	14.1
SW		.5	2.9	3.5	2.0	.5	.1	.0				9.8	13.2
WSW		.5	1.4	2.3	1.2	1.1	.3	.0				6.9	15.3
W	.0	.6	1.2	1.6	1.3	1.2	.9	.2				7.5	17.2
WNW	.0	.5	1.5	1.2	.7	.5	.3	.1				4.9	14.4
NW	.0	.7	1.5	2.3	.4	.4	.2	.1				5.6	15.0
NNW	.0	.5	1.2	1.2	.5	.6	.4	.2	.1	.1		4.9	15.1
VARBL													
CALM												1.0	
	.4	3.8	24.5	33.4	18.5	9.8	2.9	.6	.1	.1		100.0	14.0

TOTAL NUMBER OF OBSERVATIONS 8982

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

# SURFACE WINDS

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

47 AMAPILLO MAP TX 74-81 1974-1981

ALL WEATHER  
 CLASS  
 CONDITION

1974-1981  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.5	2.1	1.5	.7	.4					7.0	13.2
NNE		.7	.4	1.2	.8	.3						3.1	14.5
NE		.3	.5	1.0	.1							2.2	10.9
ENE	.1	.6	1.0	.3								1.9	5.0
E		.4	1.7	1.8	.4							3.5	10.4
ESE		.3	1.5	1.0	.4							3.2	11.4
SE		.7	3.6	2.9	.6	.6	.1					5.1	12.3
SSE		.4	3.7	4.9	1.7	.4						11.1	12.5
S		1.7	3.2	4.2	7.9	1.2	.3					22.6	15.1
SSW		1.0	2.8	4.2	1.5	.4						9.9	12.9
SW		1.0	1.7	2.9	.7	.1						6.7	11.6
WSW		.4	2.1	.4	.7	.1						3.7	11.2
W		.8	1.2	1.1	1.1	.8	.3					5.4	14.7
WNW	.1	.4	1.8	1.1	.3							3.7	10.2
NW		.1	1.4	1.1		.4	.1					3.2	12.7
NNW	.1	.7	.3	1.0	.1							2.2	10.5
VARBL												1.4	
CALM													
	.4	9.6	29.0	35.3	17.9	5.1	1.2					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 721

AL CLIMATELOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

47 STATION EMARILLO MAD TX 74-81 YEARS APR MONTH  
 CLASS ALL WEATHER 1300-1500 HOURS (L.S.T.)  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.2	2.5	2.8	1.3	.7						3.8	12.2
NNE		.8	.7	1.8	.4	.3						3.2	12.1
NE		.4	.7	.3	.1	.1						1.7	9.0
ENE		.1	.7		.1							1.8	8.7
E		.2	1.8	1.7								2.9	10.7
ESE		.3	1.1	.6	.4							2.4	11.1
SE		.7	2.4	1.2	.7							5.8	11.6
SSE		.7	2.4	2.9	.4	.3						6.7	11.6
S		1.1	4.7	8.7	3.9	.6						19.3	13.2
SSW	.1	.4	1.9	5.4	2.8							18.7	13.5
SW		1.8	4.2	5.1	1.7	.1						13.1	12.2
WSW		.6	1.8	1.1	.3	.3						4.8	11.8
W	.1	1.1	1.5	1.2	1.4	.4						5.8	12.5
WNW		1.1	1.7	.1	.6	.1						3.6	9.7
NW		.3	2.9	2.2	.4							5.8	10.6
NNW		1.2	1.1	1.7	.3		.1					4.2	10.0
VARBL													
CALM												2.1	
	.3	10.7	31.2	37.1	15.3	3.2	.1					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 725

AFSAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 AMARILLO MAP TX STATION NAME 74-81 YEARS APR  
STATION STATION NAME YEARS MONTH

CLASS ALL WEATHER CLASS 0500-0600 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	1.3	.8	4.2	2.6	.6						2.6	14.0
NNE		.4	.4	1.1	.6	.3						1.1	14.3
NE		.6	.6	.4	.7	.1						2.4	12.5
ENE		.1	.7	.3								1.1	9.0
E		.6	1.7	1.1	.1							3.5	10.0
ESE	.1	.8	.7	1.1								2.2	8.7
SE		.4	1.4	1.7	.7	.3						4.4	12.2
SSE		.7	1.1	2.2	1.2	.3						5.3	12.7
S		1.1	3.0	7.8	2.5							13.3	12.8
SSW		1.2	3.2	3.6	1.5	.7						7.9	11.3
SW		1.2	4.0	4.3	1.7	.6						11.0	12.0
WSW	.1	.7	2.1	3.3	1.1							7.4	11.6
W	.3	1.5	2.2	1.1	.7	.1						6.0	10.0
WNW		1.5	2.2	1.4	.4	.3	.1					4.1	10.4
NW	.1	.6	2.6	2.6	.3	.1						5.4	10.7
NNW		.6	1.8	1.0	.1	.3						4.7	11.2
VARBL													
CALM												1.0	
	1.0	13.1	27.4	38.2	14.0	3.2	.1					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 700

FEDERAL METEOROLOGICAL BUREAU  
 USAFETAC  
 WEATHER SERVICE / MAC

# SURFACE WINDS

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

2047 STATION NAME: MARILLA MAP TX YEARS: 74-81 MONTH: APR

ALL WEATHER  
 CLASS

1980-1100  
 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	1.7	4.7	3.9	1.5						11.9	15.9
NNE		.1	.9	1.0	1.2	.7						3.9	15.7
NE		.3	1.4	1.2	.3	.8						4.0	13.5
ENE		.1	.6	.8	.3	.3						2.1	13.0
E		.3	1.7	.6								2.5	9.6
ESE		.3	.7	1.1	.3							2.4	11.8
SE		.7	.7	1.7	.4							3.5	12.2
SSE		.3	1.0	1.9	1.4	.3						4.9	13.7
S	.4	.6	1.1	4.3	4.9	2.6	.1	.1				14.2	16.5
SSW	.1	.6	1.4	3.6	3.9	2.4						11.9	16.5
SW		.1	.9	6.1	1.9	1.1	.1					10.3	15.3
WSW			.8	2.6	2.2	.8	.3	.1				6.9	17.2
W		.4	.7	1.7	1.8	.8						5.4	15.5
WNW		.1	1.2	2.2	.6	1.1						5.3	14.9
NW		.5	1.8	2.1	.4	.3	.1					5.3	12.2
NNW		.3	1.1	2.2	1.1	.6						5.3	14.1
VARBL												.3	
CALM													
	.6	4.9	17.5	37.9	24.6	13.3	.7	.3				100.0	15.0

TOTAL NUMBER OF OBSERVATIONS 720

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 2747 ANARILLO MAP TX STATION NAME: 74-81 YEARS: APR  
STATION MONTH  
 CLASS: ALL WEATHER 1200-1400  
CLASS HOURS (L.S.T.)  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.7	2.8	2.1	1.2	.1					6.6	15.2
NNE		.4	.7	.6	1.1	1.2						4.3	16.9
NE		.3	.4	1.1	1.2							3.1	14.5
ENE		.1	.5	1.2	.4	.1						2.7	13.6
E		1.0	1.5	.6	.4	.1						3.6	9.7
ESE		.3	1.7	1.0	.4	.1						3.9	11.7
SE		.5	.6	1.0	.7							3.1	11.1
SSE		.4	.7	2.8	1.9	1.4						7.2	16.1
S		.6	1.4	6.5	6.1	3.9	.1	.1				18.7	17.4
SSW			1.1	2.6	3.1	.4	.1					7.4	16.1
SW		.5	1.2	3.9	2.6	1.7	.6					10.6	16.7
WSW			1.1	3.5	1.8	.1	.4	.3				3.2	17.3
W			.7	1.9	1.4	1.1	.8	.1				6.1	18.6
WNW			1.0	1.5	.7	.8						4.0	15.3
NW		.4	1.8	1.7	.3	.3						4.4	12.3
NNW	.1	.3	1.0	1.7	.4	1.2						4.7	15.7
VARBL													
CALM												.3	
	.1	5.8	17.1	34.3	24.7	13.9	3.2	.6				120.0	15.7

TOTAL NUMBER OF OBSERVATIONS 720

U.S. AIR FORCE METEOROLOGICAL SERVICE  
 FETAC  
 AT WETHERS SERVICE/MAG

# SURFACE WINDS

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

2147 MARILLO MAP TX 74-21 APR 1960-1700  
STATION MONTH  
STATION NAME YEARS  
 ALL WEATHER  
CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4	1.0	4.2	1.5	1.9	.3					3.3	16.4
NNE	.1	.1	1.4	1.9	1.2	.3						3.1	13.0
NE		.3	.7	.7	.7	.3						2.6	13.5
ENE		.7	1.5	.3	.1							2.6	13.5
E	.1	.1	1.0	1.5	.3	.3						3.3	13.3
ESE		.4	1.2	1.1	.6							3.3	11.9
SE			.6	1.9	.8	.6	.1					4.0	15.9
SSE		.3	.4	1.5	2.9	1.2						6.4	17.3
S		.1	1.5	6.1	7.1	4.7	.6					20.1	18.0
SSW		.1	1.0	3.3	1.8	1.0	.4					7.6	16.4
SW		.4	1.4	2.9	3.1	2.4	.7					10.8	17.4
WSW			1.0	3.9	1.7	1.5	.8	.4				5.3	16.4
W	.1	.6	.6	2.9	.7	.8	1.0	.1				6.7	17.4
WNW		.6	.4	.8	.1	.7						2.5	14.2
NW		.3	.6	1.7	.7			.1				3.3	13.7
NNW		.6	.4	.8	.3	.3						2.6	12.2
VARBL													
CALM													
	.4	4.6	13.7	30.8	23.7	16.1	3.9	.7				100.0	16.3

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2047 STATION NAME AMARILLO MAP TX YEARS 74-81 AF AF  
STATION STATION NAME YEARS AF

CLASS ALL WEATHER 1800-2400  
CLASS HOURS (L.S.T.)

CONDITION \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	1.0	3.1	1.2	1.2						7.6	14.4
NNE		.4	1.4	1.4	1.2	.4						4.9	13.7
NE		.4	1.1	1.5	.6							3.6	11.7
ENE		.7	1.2	1.1	.1							3.2	13.0
E		.6	2.6	2.9								6.1	10.9
ESE	.1	.4	1.5	2.2	.6	.1						5.5	11.4
SE		.3	1.8	3.2	1.1	.4	.3					7.1	13.7
SSE		.7	2.2	3.5	4.0	1.2						11.7	15.3
S	.1	.6	3.6	7.4	6.1	3.5						21.2	15.5
SSW		.1	1.5	2.2	.6	.3						4.7	12.7
SW		.1	2.1	2.2	1.5	.6		.1				6.7	14.3
WSW		.3	1.7	1.4	.7	.4	.4					5.9	14.0
W		.4	.8	1.5	1.1	1.3	.3	.1				5.3	16.8
WNW		.4	.4	.4	.4	.6						2.2	14.8
NW		.7	1.0	.3	.1							2.1	8.9
NNW	.1	.4	.8	.1	.1	.4	.1					2.2	12.1
VARBL													
CALM												.7	
	.4	7.5	24.9	35.4	19.6	10.1	1.1	.3				100.0	13.8

TOTAL NUMBER OF OBSERVATIONS 720



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

# SURFACE WINDS

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

2047 STATION AMARILLO MAP TX STATION NAME 74-81 YEARS APR MONTH 2100-2300 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	1.0	2.1	2.6	1.2	.6						7.6	12.7
NNE		.5	1.5	1.5	.3	.3	.1					4.3	12.0
NE	.1	.4	1.1	.8								2.9	9.8
ENE		.7	1.8	.6	.3							3.3	9.0
E		.3	2.2	2.4	.3							2.1	10.9
ESE		.6	2.6	1.4	.9							5.4	10.8
SE		1.0	3.0	5.6	1.7	.4						12.5	12.3
SSE		.4	3.6	6.5	2.4	1.1						14.4	13.5
S		.8	4.0	7.8	6.1	2.4	.1					21.7	15.3
SSW			1.5	2.1	.7	.1						4.4	12.7
SW		.4	2.6	1.8	.1							5.0	9.9
WSW		.1	1.4	.7	.4	.1	.1					2.9	12.8
W			.8	1.2	1.0		.1					3.2	14.6
WNW	.1	.4	.8	.4	.7							2.5	11.2
NW	.1	.1	.4	.6								1.2	10.4
NNW		.4	.7	.7	.4	.1		.1				2.5	13.4
VARBL													
CALM												.3	
	.5	8.1	31.2	36.7	16.4	5.6	.6	.1				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2047 AMARILLO MAP TX 74-81 APR 1961  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER CLASS ALL HOUR (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	1.5	3.3	2.0	1.1	.1					3.9	14.5
NNE	.1	.4	.3	1.2	.9	.5	.0					3.9	14.6
NE	.0	.4	.0	.0	.5	.2						2.6	12.1
ENE	.2	.3	.9	.7	.2	.1						2.2	10.8
E	.0	.4	1.7	1.5	.2	.1						3.8	15.7
ESE	.2	.4	1.4	1.2	.4	.0						3.5	11.1
SE		.5	1.0	2.4	.3	.3	.1					6.0	12.5
SSE		.5	1.9	3.3	2.7	.8						3.5	14.1
S	.1	.7	2.9	7.2	5.6	2.4	.2	.0				19.2	15.5
SSW	.0	.4	1.8	3.4	2.7	.6	.1					8.3	14.2
SW		.6	2.3	3.8	1.7	.8	.2	.0				9.4	14.0
WSW	.2	.3	1.5	2.2	1.1	.4	.4	.1				6.0	15.1
W	.1	.6	1.1	1.6	1.1	.6	.3	.1				5.5	15.1
WNW	.0	.6	1.2	1.0	.5	.5	.0					3.7	12.5
NW	.0	.4	1.6	1.5	.3	.1	.0	.0				4.0	11.5
NNW	.1	.6	.9	1.3	.4	.4	.0	.0				3.6	12.7
VARBL													
CALM												.8	
	.5	8.0	24.3	36.5	19.5	8.8	1.4	.2				100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 5760

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 2047 AMARILLO MAP TX STATION NAME 74-81 YEARS MAY  
 CLASS ALL WEATHER MONTHS 0000-0200  
 CONDITION \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	2.4	1.2	.7	.3					6.6	14.3
NNE		.5	1.6	1.6	.7	.5						5.2	12.3
NE	.1	.7	.9	1.2	.1	.1						3.2	10.0
ENE		.9	1.2	.4	.1							2.7	6.6
E		.5	3.1	1.2	.4							5.2	9.8
ESE		.4	2.3	1.2	.5							4.4	10.6
SE		.7	3.8	3.6	1.5	.5						10.1	12.2
SSE		.4	5.0	5.2	1.6		.1					13.3	11.9
S		1.9	6.2	9.4	3.6	1.7	.3					23.1	13.2
SSW	.1	1.1	2.6	2.7	.9	.4						7.8	11.6
SW		.4	2.2	2.4	.4							5.4	11.2
WSW		1.1	1.3	.9								3.4	8.7
W		.3	.9	.1	.1	.1						1.6	10.4
WNW		.5	1.1	.3								1.9	7.9
NW		.7	1.9	.8		.1						3.5	9.2
NNW		.7	.7	.5								1.9	6.9
VARBL													
CALM												.7	
	.3	11.6	36.2	35.1	11.3	4.3	.7					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23 47 STATION AMARILLO MAP TX 74-81 YEARS MAY MONTH  
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 0300-0600  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	3.2	3.1	1.6	.3						9.8	11.4
NNE		.7	1.2	1.7	.7	.3						4.6	11.9
NE		.4	.5	1.2	.1	.3						2.6	12.3
ENE		.5	.7	.5								1.7	9.2
E	.1	.3	1.6	.7	.3							3.5	9.3
ESE		.3	.5	1.1								1.9	9.7
SE	.1	.5	2.0	2.6	.4	.1						5.8	11.4
SSE		.4	3.1	5.1	.4							9.0	11.5
S		1.1	3.4	9.5	1.9	.5						18.4	12.3
SSW		.7	3.0	5.8	1.1	.4						10.9	12.1
SW	.1	1.1	4.2	5.2	.3	.1						11.0	12.8
WSW		.7	1.7	1.6	.3							4.3	10.3
W	.1	1.3	2.2	1.3	.1	.1						5.2	9.2
WNW		.7	2.0	.1	.3							3.1	8.6
NW		1.3	2.7	1.6	.1							5.8	9.4
NNW		.7	.7	.4	.3							2.0	9.9
VARBL													
CALM												.4	
	.5	12.3	34.7	41.7	7.8	2.2						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 AYAPILLO MAP TX STATION NAME 74-61 YEARS 1947-1961 MONTH ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	3.2	5.2	1.0	.4						12.8	12.0
NNE		.4	1.2	2.0	.7							4.6	12.4
NE		.4	1.1	.8	.1	.7						3.1	13.0
ENE		.4	.1	.5		.1						1.2	10.8
E		.3	.5	1.3		.1						2.3	11.6
ESE		.4	1.5	.3		.1						2.3	9.2
SE	.1	.1	2.2	2.0	.7							5.1	11.6
SSE	.1	.4	.0	3.4	1.1	.3						6.2	13.2
S		.7	3.2	9.5	2.3	.4						16.1	13.2
SSW		.4	2.4	5.2	1.3							9.4	12.5
SW	.1	1.2	4.7	5.4	1.2	.1						12.8	11.1
WSW		.0	.9	2.7		.1						4.7	10.7
W		.3	1.6	1.5	.1							3.5	10.7
WNW		1.1	1.3	.7	.1	.3						3.5	9.9
NW	.1	1.3	3.9	1.7	.3							7.4	9.3
NNW		.5	1.9	1.3	.5	.3						4.6	11.7
VARBL													
CALM												.7	
	.5	10.8	30.8	43.7	10.6	3.0						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 2147 AMARILLO MAP TX STATION NAME: 74-81 YEARS: MAY MONTH: 1900-1100 HOURS (L.S.T.)  
 CLASS: ALL WEATHER  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	2.8	5.6	2.4	.3						11.7	13.3
NNE		.9	1.6	2.7	1.5	.7	.1					7.5	13.5
NE		.7	.7	1.3	1.1	.4						4.2	13.4
ENE		.3	.4	.7	.4	.1	.1					2.2	14.1
E		1.1	.7	1.5	.1							3.4	9.5
ESE		.4	.7	1.3								2.4	11.3
SE			.5	2.3	.5							3.4	13.2
SSE			.5	3.4	1.3	.5						6.2	15.5
S		.5	.9	5.0	5.5	1.6						13.6	16.3
SSW		.3	1.1	3.2	3.5	.5	.1					8.7	15.9
SW		.4	1.9	4.5	3.6	.7						11.4	14.5
WSW	.1	.1	.8	3.2	1.6							5.9	13.5
W		.4	1.7	2.6	1.7	.5						7.0	14.1
WNW		.3	1.2	1.2	.1	.3						3.1	12.0
NW		.5	.8	1.9	.1	.3						3.6	12.3
NNW		.4	2.2	2.0	.1	.9	.1					5.8	13.3
VARBL													
CALM												.1	
	.1	6.9	18.5	42.7	23.8	7.3	.5					100.3	14.0

TOTAL NUMBER OF OBSERVATIONS 744

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

# SURFACE WINDS

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

STATION: 2147 AMARILLO MAP TX STATION NAME: 74-81 YEARS: 1960-1960  
 CLASS: ALL WEATHER HOURS (L.S.T.): 1700-1400  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.1	2.2	3.5	.6	.5	.1	.1				.5	17.1
NNE		.7	1.9	2.7	1.6	.5	.1					7.1	13.5
NE		.1	.8	1.6	.8	.3						3.6	14.1
ENE		.5	.5	1.6	.3							3.2	11.1
E		.9	1.6	.9	.3							3.8	9.5
ESE		.3	.9	1.7	.3	.1						3.4	12.3
SE		.9	1.3	1.7	.7	.1						4.7	11.6
SSE		.3	1.2	3.0	1.3	.7						5.5	14.6
S	.1	.9	1.5	6.5	5.6	2.8						17.5	16.7
SSW		.5	1.1	4.6	3.2	.8						9.9	15.1
SW	.1	.4	.9	4.3	3.7	.7						9.4	14.9
WSW		.5	1.1	2.7	2.3	1.3	.1					6.1	15.7
W		.5	.9	1.1	.9	.9	.1					4.6	15.3
WNW		.1	.6	.5	.5							2.0	12.8
NW		.7	.9	1.6			.1					3.4	11.1
NNW		.1	2.4	.7	.1	.7						4.1	12.4
VARBL													
CALM												.4	
	.3	8.6	20.2	32.7	21.5	9.5	.7	.1				100.0	14.1

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 AFSTAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

0147 AMARILLO MAP TX

74-81

424

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1940-1980

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	1.7	3.5	1.1	.8	.5					6.5	14.3
NNE		.3	1.1	1.7	.9	.1						4.2	13.8
NE		.3	1.5	1.5	.8	.1						4.2	12.1
ENE		.1	1.2	2.0	.5							3.9	12.0
E		.2	1.7	1.2								3.9	9.5
ESE		.4	1.7	.7	.7	.1	.1					3.5	12.1
SE	.1	.4	1.5	2.7	1.6	.7	.1					7.1	14.5
SSE		.1	1.0	3.4	2.3	1.9						9.3	16.1
S		.8	2.3	5.8	5.5	3.0	.3					17.6	16.3
SSW		.5	1.7	2.7	2.3	1.6						8.7	15.0
SW		.1	1.1	4.4	2.6	1.2	.4					9.8	16.5
WSW		.7	1.2	1.6	2.0	.8	.1					6.9	14.9
W		.4	.7	1.3	1.7							4.4	14.1
WNW		.8	.3	.9	.5	.3						3.5	12.9
NW		.4	.9	1.1	.4							2.8	11.5
NNW		.3	.9	.5			.1					1.9	11.0
VARBL													
CALM												.5	
	.1	7.4	21.5	35.1	23.0	10.6	1.7					100.0	14.4

TOTAL NUMBER OF OBSERVATIONS

744



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/AFAC

**SURFACE WINDS**

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

47 STATION NAME: ASAPILLO MAR TX YEARS: 74-81 MONTH: MAY  
 STATION: \_\_\_\_\_ CLASS: ALL WEATHER MONTH: \_\_\_\_\_  
 \_\_\_\_\_ CONDITION: \_\_\_\_\_  
 \_\_\_\_\_ HOURS (L.S.T.): 1800-2000

SPEED (KNTS) DIR.	1 - 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	1.5	2.0	.2	.5						5.4	13.4
NNE	.1	.3	1.3	2.7	.4	.3						5.1	12.7
NE		.0	1.0	2.4	.5							5.7	11.2
ENE		.5	1.2	1.5	.8							4.0	11.8
E		.7	2.2	2.0	.4							5.3	10.9
ESE		.7	1.9	2.2	1.1	.5						6.6	13.5
SE		.7	3.9	5.7	2.7	1.1						13.9	13.6
SSE		.4	2.1	3.8	3.2	1.6	.1					11.2	15.8
S	.1	.3	3.5	6.5	4.5	1.9	.5					17.3	15.4
SSW		.3	2.0	7.5	1.5							7.6	12.8
SW		.1	.0	1.0	1.0	.3	.1					4.9	14.7
WSW		.3	.0	1.2	.0	.3						3.0	13.6
W		.4	1.2	1.9	1.1	.1						4.7	12.8
WNW		.4			.1	.3						.6	13.2
NW	.1	.3	.7	.3		.3						1.6	13.7
NNW		.0	.3	.7	.4							1.5	11.9
VARBL													
CALM												.5	
	.4	7.0	25.4	33.2	20.2	7.4	.8					100.0	13.5

TOTAL NUMBER OF OBSERVATIONS 741

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUL 64

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

# SURFACE WINDS

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

STATION SMARILLO MAP TX STATION NAME 74-51 YEARS MAY  
 CLASS ALL WEATHER MONTH MAY  
 HOURS (L.S.T.) 0100-2300  
 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		1.2	1.6	1.8	1.2	.8	.1					8.7	10.3
NNE		1.2	1.6	1.6	.8	.1						5.4	11.1
NE		.4	1.5	1.2								3.1	10.5
ENE		.2	1.5	2.0	.4							4.3	11.0
E	.1	.7	7.4	2.2	.3		.1					5.7	10.5
ESE		.4	7.2	2.3	.7	.1						6.7	11.5
SE		.4	5.5	6.2	1.3	.5						14.5	12.1
SSE		.4	5.8	6.2	3.9	.7						18.2	13.6
S		.6	3.5	6.2	3.9	1.5						17.9	14.2
SSW		.3	2.4	2.2	.5							5.4	11.4
SW		.4	1.6	.4								2.4	8.4
WSW		.4	1.3	.7								2.4	7.2
W		.1	.8	.7	.3							1.7	11.1
WNW		.2	.5	.5	.3	.1						1.5	12.4
NW		.7	.5	.1	.3			.1				1.3	12.6
NNW		.4	.4	.4		.1						1.3	10.2
VARBL													
CALM												.1	
	.1	5.0	34.7	39.7	13.9	4.0	.3	.1				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 741

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION: 2147 STATION NAME: MARILLO MAR TX YEARS: 74-81 MONTH: MAY

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

CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	2.2	3.4	1.4	.5	.1	.0				8.7	13.7
NNE	.0	.7	1.4	2.1	.9	.3	.0					9.5	12.6
NE	.0	.5	1.1	1.4	.5	.2						3.7	12.0
ENE		.5	.9	1.2	.3	.0	.0					2.9	11.2
E	.0	.7	1.8	1.4	.2	.0	.0					4.3	10.2
ESE		.4	1.6	1.3	.4	.2	.0					3.9	11.7
SE	.1	.4	2.6	3.3	1.2	.4	.0					8.0	12.6
SSE	.0	.3	2.4	4.5	1.9	.8	.0					10.0	13.8
S	.7	.9	3.3	7.6	4.1	1.7	.1					17.7	14.5
SSW	.0	.5	2.0	3.7	1.8	.5	.0					8.6	13.4
SW	.1	.5	2.2	3.6	1.6	.4	.1					8.4	13.1
WSW	.0	.5	1.2	1.8	.9	.3	.0					4.9	12.9
W	.0	.5	1.3	1.3	.8	.2	.0					4.1	12.6
WNW		.2	.9	.5	.3	.2						2.3	10.9
NW	.0	.7	1.5	1.1	.2	.1	.0	.0				3.7	11.3
NNW		.4	1.2	.8	.2	.3	.0					2.7	11.7
VARBL													
CALM												.4	
	.3	9.1	27.7	30.2	16.5	6.0	.6	.0				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 5546

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

2747 MARILLO MAP TX 73-80 JUN 1968-69  
 STATION STATION NAME YEARS MONTHS  
 ALL WEATHER CLASS 0000-2400 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	1.1	.7	.3							2.6	10.2
NNE		.3	.6	.8	.3	.1						3.1	12.5
NE		.1	1.2	.6	.3	.3						2.5	11.6
ENE		.1	1.4	1.5								3.1	10.6
E		.4	1.1	2.4	.3							4.2	11.7
ESE		.4	1.2	1.5	.1	.1						3.5	11.2
SE			4.4	2.9	.7	.6						8.6	11.9
SSE		.8	5.1	5.0	.9							11.8	10.8
S	.1	.3	7.6	15.3	4.6	1.5						30.0	13.3
SSW		1.5	2.9	15.0	2.2	.4						17.1	12.7
SW		1.0	3.5	1.2	.1							5.8	9.1
WSW		.6	1.4	1.0								2.9	9.6
W	.1	.1	1.0	.4		.1						1.8	9.3
WNW		.1		.3		.1						.5	14.5
NW	.1	.4	.8	.3	.1							1.8	9.5
NNW		.3	.7		.4	.1						1.5	11.6
VARBL													
CALM												.1	
	.4	7.6	34.2	43.9	10.3	3.5						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 STATION NAME AMARILLO MAP TX YEARS 73-80 MONTH JUN  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-2500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	1.4	1.1	.7								3.2	7.7
NNE		.7	.4	.6	.7	.1						2.5	11.9
NE		.4	1.5	1.0	.6	.1						3.5	11.3
ENE		.3	1.1	.6	.1							2.1	10.2
E		.3	1.0	1.0	.1							2.4	11.4
ESE		.3	1.2	1.1	.1							2.8	10.3
SE		.6	1.4	1.9	.3							4.2	10.8
SSE		.6	3.5	3.1	.6							7.6	11.1
S		2.1	8.1	11.2	1.1	.4						22.9	11.4
SSW		1.2	4.7	10.7	1.9	.1						19.7	12.2
SW		1.1	5.4	9.9	.8	.1						17.4	11.6
WSW		.7	2.8	1.0	.1							4.6	8.9
W			1.4	.3								1.7	9.4
WNW			.7									.7	8.4
NW	.1	.3	1.4	.4	.3							3.1	8.7
NNW		.3	1.0	.1								1.4	7.0
VARBL													
CALM												1.1	
	.3	10.7	36.7	43.5	6.8	1.0						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 720

NATIONAL CLIMATOLOGY BRANCH  
 AFSLTAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2147 AMARILLO MDP TX STATION NAME 73-80 YEARS JUN MONTH  
 ALL WEATHER CLASS 0600-2600 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	1.4	.4	.7	.1						3.9	10.5
NNE		.7	1.0	.4	.6	.4						2.6	13.4
NE	.1	.3	1.1		.6	.1						2.2	11.1
ENE	.1	.3	.5	1.4	.4							2.8	12.0
E		.4	.7	.6	.1							1.3	9.6
ESE		.3	2.2	.8	.3							3.6	10.6
SE	.1	.4	1.4	1.0	.1							3.1	9.7
SSE	.1	.1	2.4	2.9	.4	.1						6.1	11.3
S		1.4	3.1	6.9	1.9	.1						13.5	12.1
SSW		.9	4.6	8.7	2.2	.1						16.5	12.6
SW		1.3	5.3	8.6	3.7	.4						19.0	12.6
WSW	.1	.6	3.2	4.2	.8							8.9	11.6
W		1.0	2.1	1.5	.4							5.0	9.9
WNW		1.4	1.1	.1								2.6	7.3
NW		1.0	2.6	.7	.1							4.4	8.6
NNW		.9	1.0	.6	.1							2.5	8.6
VARBL													
CALM												1.4	
	.7	11.2	33.6	38.9	12.6	1.5						100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 720

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

# SURFACE WINDS

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

2047 ANAFILLO MAP TX 73-80 JUN 1950-1950  
STATION STATION NAME YEARS MONTHS  
 ALL WEATHER  
CLASS  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6	1.1	1.2	.8	.1						3.9	12.6
NNE		.1	1.1	1.0	.8	.4						3.5	14.1
NE		.4	1.0	.4	.8	.1						2.8	12.1
ENE			.3	1.4	.7							2.4	14.5
E		.1	.8	.7								1.7	9.9
ESE		.3	.7	1.1	.1							2.2	11.4
SE	.1	.4	.6	2.5	.1							3.7	11.9
SSE		.1	1.1	1.7	.7							3.6	12.5
S		.8	3.2	5.1	2.8	1.0						12.9	13.8
SSW		1.0	3.5	7.2	3.5	.4						15.6	13.7
SW		.3	2.8	8.2	6.1	.7						18.1	15.0
WSW		.1	1.7	6.5	1.9	.1						10.4	13.5
W		.6	1.5	3.7	.6	.3	.1					6.8	12.8
WNW		.6	1.7	.8	.3	.4						3.7	11.4
NW	.1	.1	2.4	1.0								3.6	9.6
NNW		.4	2.5	1.2	.1	.1						4.4	10.5
VARBL													
CALM												.7	
	.3	6.0	25.8	43.9	19.4	3.7	.1					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

2747 AMAPILLO MAP TX 73-83 JUN  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER 1200-1400  
 CLASS HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.5	1.1	.6							4.2	11.0
NNE		.1	.7	1.2	.8							2.9	13.1
NE		.6	1.8	1.8	1.7							5.1	11.9
ENE		.5	.8	1.0	.4							3.1	13.5
E	.1	.6	1.2	1.1	.1							3.2	9.5
ESE	.1	.4	1.5	1.4		.1						3.6	10.2
SE	.1	.4	.8	2.5	.3	.1						4.3	12.3
SSE	.1	.7	1.1	5.3	.8	.4						8.5	13.5
S	.1	1.0	4.4	7.5	2.5	1.0	.1					16.7	13.2
SSW	.3	1.0	1.9	6.0	5.3	1.0						15.4	14.4
SW		.7	2.6	7.2	3.6	.3						14.4	13.8
WSW	.1	.4	1.8	3.6	1.4	.1						7.5	12.7
W		.1	1.1	1.7	.3	.4	.3					3.9	14.4
WNW	.3	.7	1.0	.7	.3							2.9	9.7
NW		.7	1.0	.7	.1							2.5	9.4
NNW		.4	.6	.7	.1							1.6	10.2
VARBL													
CALM													
	1.4	9.6	24.0	43.5	17.6	3.5	.4					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 729



FEDERAL METEOROLOGICAL BUREAU  
 UNITED STATES DEPARTMENT OF COMMERCE  
 NATIONAL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 47 ANAPILLO MAP TX YEAR 73-80 MONTH JUN  
STATION NAME YEAR MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
CLASS HOURS (L.S.T.)  
 CONDITION \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	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	1.1	.4							2.9	11.7
NNE	.1	.7	1.1	1.1	.3							3.3	10.5
NE		.4	.4	1.7	.6							3.1	12.6
ENE	.1	.3	1.2	1.9	1.0							4.6	12.2
E		.4	1.5	1.4	.3							3.6	10.7
ESE	.1	.4	1.5	3.5	.1	.3						6.0	11.6
SE		.7	1.7	3.7	1.4	.1						7.6	12.8
SSE		.3	1.1	5.8	2.5							9.7	14.0
S	.1	.3	3.3	11.4	9.2	1.1	.3					25.7	15.4
SSW		.4	1.7	5.3	4.4	.4						12.2	14.7
SW		.6	1.9	5.1	2.2	1.0						13.8	14.4
WSW	.1	.3	1.2	1.2	1.7							3.9	12.2
W		1.2	.3	.7	.3	.3	.1					2.9	11.5
WNW		.1	.4	.1								.7	9.0
NW		.1	.4	.4								1.0	9.4
NNW		.3	.6	.7								1.5	10.2
VARBL													
CALM												.4	
	.7	6.7	19.7	45.3	23.6	3.2	.4					100.0	13.5

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 23047 AMAPILLO MAP TX STATION NAME: 73-80 YEARS: JUN 1969-1980  
 CLASS: ALL WEATHER HOURS (L.S.T.):  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.6	.7	.4							2.2	11.3
NNE	.1	.3	.7	.6	.3		.1					2.1	11.7
NE		1.0	1.0	1.5	.1							3.6	10.3
ENE		.3	1.4	2.6	1.0	.1						5.6	12.5
E		.6	2.4	1.7	.3							4.9	10.1
ESE		.7	1.4	3.2	.4	.1	.1					5.6	12.9
SE		.6	3.3	7.2	3.3	.4	.3					15.1	13.7
SSE		.4	2.5	7.6	3.2	.4						14.2	13.9
S		.6	2.9	11.8	7.1	1.1	.1					23.6	15.1
SSW		.6	2.4	4.4	2.6	.3						10.3	13.7
SW		.3	1.7	1.4	1.7	.1						5.0	11.6
WSW		.1	1.0	.3	.4	.3						2.1	13.5
W		.4	.6	.6	.3							1.5	10.5
WNW			.4	.3	.4							1.1	13.3
NW		.3	.1	.3								.7	8.4
NNW		.6	.3	.6	.1							1.5	9.0
VARBL													
CALM												.7	
	.1	7.2	22.5	44.9	21.0	2.9	.7					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 720

NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2247 AMARILLO MAP TX 73-80 JUN  
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	48-53	≥56	%	MEAN WIND SPEED
N			1.4	.6								1.9	10.0
NNE		.3	.6	.6	.3	.3						1.9	12.9
NE		.1	1.0	.4	.4	.1						2.1	12.6
ENE		.1	1.9	1.8	.1							4.0	10.9
E		.5	3.2	2.5	.6	.1						6.9	11.2
ESE		.4	2.4	2.5	.7							6.0	11.5
SE		1.0	4.2	5.5	1.2	.4						13.3	11.9
SSE		.6	7.6	9.7	2.2	.3		.1				20.6	12.1
S	.1	.6	6.4	17.4	4.9	1.1	.3					30.7	13.6
SSW		.4	2.4	2.1	.1	.1						5.1	10.8
SW		.1	1.8	.3								2.2	9.3
WSW			.7	.3	.3							1.2	11.0
W	.1		.4	.1								.7	9.4
WNW		.3	.1	.4	.3	.1						1.2	13.3
NW		.1	.3	.1	.1		.1					.1	14.3
NNW		.1	.4	.3		.1						1.0	11.9
VARBL													
CALM												.1	
	.3	4.7	34.7	45.6	11.2	2.8	.4	.1				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 729

NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23047      ANARILLO MAP TX      73-80      JUN.      MONTH

STATION      STATION NAME      YEARS

ALL WEATHERED      ALL      HOURS (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	.0	.7	1.2	.8	.4	.0						3.1	10.7
NNE	.0	.3	.9	.8	.5	.2	.0					2.5	12.6
NE	.0	.4	1.1	.9	.5	.1						3.1	11.7
ENE	.0	.3	1.1	1.5	.5	.0						3.4	11.7
E	.0	.4	1.5	1.4	.2	.0						3.6	10.7
ESE	.0	.3	1.5	1.9	.2	.1	.0					4.1	11.4
SE	.1	.5	2.2	3.5	.9	.2	.0					7.5	12.3
SSE	.0	.5	3.1	5.1	1.4	.2		.0				10.3	12.5
S	.1	.9	4.9	10.8	4.3	.9	.1					22.0	13.6
SSW	.0	.9	3.0	6.6	2.8	.4						13.9	13.2
SW		.7	3.1	5.2	2.2	.3						11.6	13.0
WSW	.1	.3	1.7	2.3	.7	.1						5.2	11.9
W	.0	.4	1.0	1.1	.2	.1	.1					5.1	11.5
WNW	.0	.4	.7	.3	.2	.1						2.7	10.3
NW	.1	.5	1.1	.5	.1		.0					2.2	9.3
NNW		.4	.9	.5	.1	.1						2.0	10.0
VARBL													
CALM												.0	
	.5	8.0	28.9	43.7	15.3	2.8	.3	.0				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS      7760

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47      AMARILLO MAP TX      73-80      JCL  
STATION      STATION NAME      YEARS

ALL WEATHER      1000-0100  
CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	.7	1.5		.1						4.0	4.2
NNE		.4	1.3	.4	.1							2.3	7.0
NE		.5	1.5	.9	.3							3.2	10.4
ENE	.1	.3	.8	.3								1.5	6.3
E	.4	.1	.8	.5								1.7	8.4
ESE	.1	.7	1.2	.5								2.6	6.3
SE	.1	.5	2.7	.8	.1	.3						4.6	9.7
SSE		.9	7.3	4.7	.5							13.4	10.3
S	.5	2.0	12.0	20.2	3.1	.1						47.9	11.7
SSW	.1	.9	7.1	4.2	.9	.3						13.6	10.2
SW		1.5	3.6	1.5	.3							6.9	8.8
WSW	.1	.7	1.2	.3								2.3	6.9
W		.8	.5	.3	.1							1.7	6.3
WNW	.1	.3		.3	.1							.8	10.5
NW		.1	.3	.3	.4							1.1	13.6
NNW		.4	.1	.3								.8	7.3
VARBL													
CALM												1.5	
	1.7	12.0	41.1	36.8	6.0	.8						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS      744

FEDERAL METEOROLOGICAL SERVICE  
 AMARILLO, TEXAS  
 WEATHER SERVICE/MAC

**SURFACE WIND**

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

STATION 2047 STATION NAME AMARILLO MAP TX YEARS 73-80 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0600  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEA WIN SPEE
N	.7	1.7	2.2	.9								5.1	7.
NNE		.3	.9	.5	.3	.1						2.2	11.
NE		.1	.3	.1								.5	9.
ENE		.1	.5	.3	.1							1.3	13.
E		.3	1.2	.8	.1							2.4	18.
ESE	.1	.4	.4	.1								1.1	7.
SE		.4	2.7	.5								3.6	5.
SSE	.1	2.7	3.9	1.6								7.7	5.
S	.1	2.5	14.1	13.7	1.3							31.9	10.
SSW		2.3	6.7	9.5	1.5							19.3	10.
SW	.1	1.7	6.2	3.0	.4							11.4	9.
WSW		.9	2.2	.7								3.8	8.
W	.1	1.2	.8	.5	.1							2.5	7.
WNW	.1	.3	1.1									2.3	8.
NW	.1	.4	.7			.1						1.3	8.
NNW		.6	1.3									2.2	7.
VARBL													
CALM												1.0	
	1.2	16.2	45.5	31.4	3.7	.3						100.0	9.

TOTAL NUMBER OF OBSERVATIONS 74

AD-A113 176

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
AMARILLO MAP, TEXAS. REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC(U)  
DEC 81

UNCLASSIFIED

USAFETAC/DS-81/101

S81-AD-E850 144

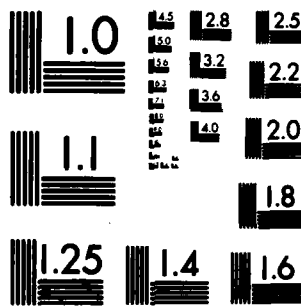
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2 6

500

A large grid consisting of 10 columns and 10 rows. The majority of the cells in this grid are filled with solid black, indicating redacted information. Only the top-left cell of the grid is empty and contains the text '2 6' and '500'.

13176



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



NATIONAL CLIMATOLOGY BRANCH  
 AFSLTAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2047 AMAFILLO MAP TX 73-80 JUL  
STATION STATION NAME YEARS MONTH

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.3	1.5	2.4		.1						5.4	8.6
NNE	.1	.4	1.1	.7	.3							2.6	5.7
NE		.3	.9	.4								1.6	6.9
ENE		.4	.4									.8	6.5
E			.8	.4								1.2	10.7
ESE		.1	.9	.4								1.5	9.4
SE		1.1	1.1	.3								2.4	7.2
SSE		.5	4.7	1.1								6.3	6.8
S	.1	1.6	9.1	7.1	.9							19.1	10.6
SSW	.4	2.4	5.1	11.0	2.0	.3						21.2	11.8
SW		2.4	7.7	5.9	2.8	.1						19.0	11.2
WSW		2.0	3.1	1.9	.3	.1						7.4	9.5
W	.1	.9	1.7	.3								3.0	7.4
WNW	.1	.9	.4	.4								1.9	7.1
NW	.1	1.3	.8	.3								2.6	6.7
NNW		1.1	1.3	.4								2.8	7.3
VARBL													
CALM												1.5	
	1.1	16.8	40.7	32.9	6.3	.7						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

2147 STATION AMARILLO MAP TX 73-80 YEARS JUL SOUTH  
 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	1.6	.8	.5	.1						4.0	10.5
NNE	.1	.3	.8	1.1								2.3	9.5
NE		.2	1.3	1.7								4.0	9.6
ENE		.1	.9	.5		.1						1.7	10.3
E	.1	.7	.3	.7								1.7	8.3
ESE		.4	.8	.8								2.0	10.2
SE		.4	.5	1.1	.1							2.2	10.3
SSE	.1	.4	.9	1.2	.1		.1					3.0	11.2
S	.1	1.1	2.8	5.7	2.7							13.4	12.6
SSW		.5	3.0	11.8	5.8	.9						22.0	14.6
SW	.3	.5	4.3	15.7	3.6	.1						24.6	13.5
WSW		.2	2.2	5.0	1.3							9.3	12.2
W		.4	1.1	1.3								2.8	10.5
WNW		.5	1.2	.4	.1							2.3	8.9
NW		.1	1.7	.5								2.4	8.7
NNW	.1	.3	1.1	.1								1.6	7.5
VARBL													
CALM												.5	
	.9	8.5	24.6	49.6	14.4	1.3	.1					100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

23 47 STATION AMARILLO MAP TX 73-80 JUL 1200-1400  
STATION MONTH  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	.9	1.5	.4							3.4	10.7
NNE		.1	.4	1.1	.1							1.7	11.7
NE		.3	1.9	1.5								3.6	10.3
ENE		.3	1.1	1.5								2.8	10.3
E		.9	1.7	.7	.1							3.5	8.7
ESE		1.3	1.3	1.1	.1							3.9	8.8
SE		.4	1.3	.8	.1							2.7	10.3
SSE	.1	.8	1.5	4.7	.7	.1						7.9	12.3
S		1.3	4.8	14.8	7.8	.9						29.7	14.0
SSW	.1	.5	4.3	10.5	2.7	.8						19.0	13.5
SW	.1	.9	2.4	5.6	1.3							10.5	12.2
WSW		.4	2.0	1.5	.1							4.0	10.7
W	.1	.3	.9	.5								1.9	8.6
WNW		.1	1.9									2.0	8.2
NW		.3	1.1	.3								1.6	8.7
NNW			.7	.4								1.1	10.1
VARBL													
CALM												.7	
	.7	8.5	28.4	46.4	13.6	1.9						100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2847 AMAPILLO MAP TX 73-80 JUL

ALL WEATHER  
 CLASS  
 \_\_\_\_\_  
 CONDITION  
 \_\_\_\_\_

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	.4	.9	.3	.1						2.0	11.9
NNE		.3	.9	.4	.1							1.7	9.9
NE			1.9	1.2	.1							3.2	10.7
ENE		.3	1.9	.4	.1							2.7	9.4
E		.4	2.3	1.9	.4							5.0	10.8
ESE	.1	.1	2.2	1.7	.3							4.4	10.6
SE		.7	2.6	4.2	.9							8.3	11.8
SSE		.4	3.2	5.8	1.7							11.2	12.7
S		.8	3.5	17.9	12.5	1.1	.3					36.5	15.0
SSW		.7	1.7	8.7	4.0	.5						15.7	14.3
SW		.9	1.3	2.8	.4							5.4	11.8
WSW		.1	.7	.7	.1							1.6	10.9
W	.1		.4	.4	.1							1.1	11.1
WNW		.1										.1	4.0
NW		.4	.3									.7	6.8
NNW				.3								.3	13.5
VARBL													
CALM												.5	
	.3	5.4	23.3	47.3	21.2	1.7	.3					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

21 47 AMARILLO MAP TX 73-80 JUL

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1900-2000

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.3	.3	.1							.9	9.9
NNE		.1	.5		.3							.9	11.0
NE		.3	.9	1.2								2.3	10.2
ENE			1.5	1.3								2.8	10.4
E		.3	2.2	1.5	.1							4.0	10.1
ESE		.7	2.0	2.0	.5							5.2	10.9
SE		.7	2.8	6.3	.8	.1						10.8	12.1
SSE		.3	3.6	8.1	1.3							13.3	12.6
S		1.1	6.3	27.7	9.0	1.6						45.7	14.1
SSW		.1	2.3	5.4	2.4							10.2	13.6
SW			1.1	.7		.1						1.9	11.6
WSW			.4									.4	6.7
W		.1		.1								.3	8.0
WNW			.3		.1							.4	12.7
NW	.1			.1		.1						.4	14.3
NNW			.3									.3	10.0
VARBL													
CALM												.1	
	.1	3.9	24.3	54.7	14.8	2.0						100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 744

CLERICAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2347      AMARILLO MAP TX      73-80      JUL

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      2100-2300

CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	1.1	.5	.1							2.7	8.9
NNE		.1	.8					.1				1.1	11.3
NE	.1	.4	1.1	.5								2.2	8.1
ENE		.3	1.2	.3		.1						1.9	9.5
E		.3	2.2	.9		.1						3.5	10.3
ESE			2.2	.5		.4						3.1	11.3
SE		.7	4.8	2.8	.4							8.7	9.9
SSE	.1	1.3	10.2	7.3	.9							19.9	10.3
S	.1	1.6	17.1	19.6	3.9							42.3	11.5
SSW		.8	3.4	2.8	.1	.1						7.3	10.4
SW		.8	1.2	.5	.3							2.8	9.2
WSW			.7									.7	8.6
W	.1	.3	.3	.9	.1							1.7	11.0
WNW			.1	.1	.3							.5	16.0
NW		.1	.1			.1						.4	12.0
NNW			.4	.1								.5	11.0
VARB													
CALM												.7	
	.5	7.7	46.8	37.1	6.2	.9		.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS      744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47 STATION AVAPILLO MAP TX 73-80 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	.1	1.0	1.1	1.1	.2	.1						3.4	9.6
NNE	.0	.3	.9	.5	.2	.0		.0				1.8	10.2
NE	.0	.4	1.2	1.0	.1							2.6	9.9
ENE	.0	.2	1.1	.6	.0	.0						1.9	9.7
E	.1	.4	1.4	.9	.1	.0						2.9	9.8
ESE	.1	.5	1.4	.9	.1	.1						3.0	10.0
SE	.0	.6	2.3	2.1	.3	.1						5.4	10.6
SSE	.1	.8	4.4	4.3	.7	.0	.0					10.3	11.0
S	.1	1.5	8.7	16.0	5.2	.5	.0					32.0	12.7
SSW	.1	1.0	4.2	7.9	2.4	.4						16.0	12.6
SW	.1	1.1	3.5	4.5	1.1	.1						10.3	11.5
WSW	.0	.6	1.5	1.2	.2	.0						3.7	10.2
W	.1	.5	.7	.6	.1							1.9	9.0
WNW	.1	.4	.6	.2	.1							1.3	8.5
NW	.1	.4	.6	.2	.1	.1						1.3	8.9
NNW	.0	.3	.7	.2								1.2	8.1
VARBL													
CALM												.9	
	.8	9.8	34.3	42.0	10.8	1.2	.1	.0				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 5951

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

23047 AMARILLO MAP TX 73-80 AUG  
 STATION STATION NAME YEAR 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		.1	1.3	.5	.1	.1						2.3	10.7
NNE		.7	.1	.5								1.3	8.1
NE			.7	1.6	.1							2.4	11.6
ENE	.2	.3	1.2	.7								2.4	8.7
E		.7	1.3	1.2								3.2	9.6
ESE		.3	1.3	1.3	.1							3.1	13.5
SE		1.0	3.4	1.7								7.0	8.9
SSE		.4	5.6	3.9	.3	.3						10.5	10.5
S	.1	2.4	13.8	19.1	3.9	.1						39.5	11.7
SSW		.8	6.3	7.1	.9							15.2	11.1
SW		.4	3.8	1.5	.3							5.9	9.8
WSW		.4	.9	.7	.3							2.3	10.1
W	.1	.4	.3	.1								.9	6.3
WNW		.4	.1	.1								.7	7.6
NW		.3	.3	.5								1.1	10.3
NNW			.5	.3								.8	10.2
VARBL													
CALM												1.3	
	.5	9.4	41.1	41.0	6.0	.5						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 744



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 STATION NAME AMAPILLO MAP TX YEARS 73-80 MONTH AUG  
 CLASS ALL WEATHER HOURS (L.G.T.) 3300-0500  
 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		.8	.7	.3								1.7	7.1
NNE		.1	.7	.3								1.1	5.6
NE		.5	1.5	.8								2.3	9.4
ENE		.7	.7	.3								1.6	8.1
E		.5	1.1	.3								1.9	7.9
ESE		1.3	.8	1.1	.1							3.4	9.0
SE		.5	1.9	1.1	.1							3.6	9.8
SSE		1.1	3.4	1.9								6.3	9.1
S	.1	2.7	12.1	11.6	1.5							28.0	10.6
SSW	.1	1.5	9.9	9.3	1.9	.3						23.0	11.2
SW	.1	1.5	6.3	5.9	.1	.3						14.2	10.4
WSW		1.2	1.6	1.1	.1							4.0	8.6
W		.4	1.5	.4	.1	.1						2.6	10.1
WNW		.3	.3									.5	7.0
NW		1.1	1.1									2.2	6.0
NNW		.9	.9									1.7	6.6
VARBL													
CALM												1.3	
	.4	15.1	44.4	34.1	4.0	.7						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2147      AMAFILLO MAP TX      77-80      ALL WEATHER      0800-0800  
STATION      STATION NAME      YEARS      CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.7	.4	.1							3.1	6.7
NNE		.5	.3	.4								1.2	6.4
NE	.1	.7	.9	.8	.3							2.8	9.5
ENE			.8	.1								.9	9.6
E		.1	1.2	.3	.4							2.3	11.0
ESE	.1	.3	1.2	.8	.1							2.6	9.2
SE	.1	.5	.9	.9								2.6	9.7
SSE	.1	.8	1.9	.5		.1						3.5	9.0
S	.1	3.5	9.5	7.9	.8	.1						22.0	10.1
SSW	.1	1.7	8.2	9.4	1.9	.3						21.6	11.5
SW		2.6	9.5	6.9	1.3							20.3	10.6
WSW		1.5	4.2	2.4	.5							8.6	9.7
W	.1	.9	.5	.4								2.0	7.3
WNW		.8	.7	.3								1.7	7.3
NW		.8	.4	.1								1.3	6.5
NNW		.5	.7	.8								2.0	8.9
VARBL													
CALM												1.5	
	1.1	16.0	42.7	32.5	5.5	.5						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS      744

FEDERAL CLIMATOLOGY BRANCH  
 WAFSLTAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2047 AMARILLO MAP TX 73-80 AUC  
STATION STATION NAME YEARS MONTHS  
 ALL WEATHER 0900-1100  
CLASS HOURS (L.S.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.5	1.3	.4							3.0	10.6
NNE		.1	.4	1.1								1.6	11.6
NE		.3	.5	.9								1.7	12.3
ENE		.1	.0	.8								1.9	10.3
E	.1	.5	1.1	1.3								3.1	9.4
ESE		.4	.7		.3							1.3	9.3
SE		.4	1.7	.8	.4							3.4	10.4
SSE	.3	.3	.9	.5	.1							2.2	8.8
S	.1	1.3	2.3	5.2	3.2	.3						12.5	13.0
SSW		.8	3.2	10.6	7.0	.4						22.0	14.5
SW	.1	.4	4.0	14.7	7.0	.4						26.6	14.2
WSW		.9	3.2	4.0	1.2							9.4	11.7
W		.4	1.9	2.2								4.4	10.3
WNW		.9	.8	.8								2.6	3.6
NW		.7	.8	.5								2.0	8.8
NNW	.1	.3	.4	.4								1.2	9.4
VARBL													
CALM												.1	
	.8	8.6	24.5	45.3	19.6	1.1						100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47 STATION AMARILLO MAP TX 73-89 YEARS AUG MONTH  
 1200-1400 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.7	.8	.3							3.5	9.2
NNE		.3	.4	1.2								1.9	11.2
NE		.1	.8	1.3								2.3	11.3
ENE		.5	.9	1.2	.1							2.8	10.0
E		.7	1.6	.8	.2							3.2	10.2
ESE		.5	1.7	.4	.4	.1						3.5	9.4
SE		1.1	1.7	1.3	.1							4.3	9.4
SSE		.1	1.1	2.2	.5							3.9	12.3
S		.5	4.2	13.6	5.2	.4						23.9	14.1
SSW		1.1	3.0	13.4	6.6	.7						24.7	14.4
SW		.5	2.0	8.2	2.6							13.3	13.5
WSW		.4	2.2	2.0	.7							5.2	11.6
W		.3	.8	1.5	.1							2.7	13.8
WNW	.1	.5	.9	.3								1.9	8.0
NW	.1	.1	1.1									1.3	7.4
NNW		.1	.9									1.1	7.8
VARBL													
CALM												.4	
	.3	7.8	25.1	48.3	16.9	1.2						100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 47 STATION NAME APACHEVILLE MAP TX YEARS 73-80 ALL WEATHER CLASS ALL WEATHER MONTHS (L.S.T.) 1980-1980  
 STATION 47 STATION NAME APACHEVILLE MAP TX YEARS 73-80 ALL WEATHER CLASS ALL WEATHER MONTHS (L.S.T.) 1980-1980  
 STATION 47 STATION NAME APACHEVILLE MAP TX YEARS 73-80 ALL WEATHER CLASS ALL WEATHER MONTHS (L.S.T.) 1980-1980  
 STATION 47 STATION NAME APACHEVILLE MAP TX YEARS 73-80 ALL WEATHER CLASS ALL WEATHER MONTHS (L.S.T.) 1980-1980

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	1.1	.5	.1							2.0	2.9
NNE		.3	1.2	.3	.5							2.3	10.7
NE		.5	1.1	1.2	.1							3.0	10.2
ENE		.4	1.7	.5								2.7	8.6
E		1.1	1.9	1.9	.3	.3						5.4	10.6
ESE		.8	.8	.8	.1							2.6	9.6
SE		.4	2.4	2.4	.7	.3						6.2	12.4
SSE		.3	1.7	3.8	1.6							7.4	13.4
S		.9	3.5	19.0	13.0	.8						36.2	15.1
SSW		.3	1.5	8.9	5.1	.5						16.3	15.1
SW		.3	1.7	4.2	1.6							7.8	13.0
WSW		.1	.9	1.9	.4	.3						3.5	12.8
W		.4	.9	.7								2.0	9.4
WNW		.1	.5	.1	.3							1.1	11.0
NW			.3									.3	9.5
NNW	.1	.3	.1		.1							.7	7.6
VARBL													
CALM												.7	
	.1	6.3	21.5	45.2	24.1	2.2						100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATE CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2047 STATION AMARILLO MAP TX 73-80 YEAR MONTH ALL WEATHER 1800-2000  
STATION NAME CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.3	.1	.3							.7	13.6
NNE		.3	.5	.1	.5							1.5	12.3
NE		.1	1.3	1.1	.1							2.7	10.5
ENE		.1	2.0	.8		.1						3.1	10.6
E		.1	2.3	1.3	.4							4.2	10.8
ESE	.1	.1	1.5	.8	.5							3.1	10.6
SE	.1	1.2	3.4	3.2	.5	.1						6.6	10.6
SSE		1.2	2.3	6.5	1.2	.1						11.3	12.3
S		.4	7.7	29.3	12.0	.1	.1					49.6	14.0
SSW		.4	1.7	4.6	2.0							6.7	13.4
SW		.3	2.0	.9	.4							3.6	10.4
WSW		.4	.1	.3								.8	8.2
W			.4	.4								.8	10.7
WNW		.4										.4	4.7
NW				.3								.3	14.0
NNW			.3									.3	9.0
VARBL													
CALM												.4	
	.3	5.1	25.8	49.7	18.0	.5	.1					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

23 47 STATION AMARILLO MAP TX 73-80 YEARS AUG 1980  
 STATION NAME 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		.3	.7	.3	.1							1.3	9.7
NNE	.1	.3	.5	.1								1.1	7.5
NE	.1	.1	1.2	.8								2.3	10.2
ENE			1.2	.8	.1							2.2	10.4
E		.9	1.3	.9								3.2	8.7
ESE		.7	2.2	.5	.1							3.5	8.8
SE		.8	4.4	3.0	.4	.3						8.9	10.7
SSE	.1	.7	10.2	5.5								16.5	9.4
S	.1	1.6	16.4	25.0	2.8	.1						46.1	11.6
SSW		.3	3.8	3.5	.4							7.9	10.9
SW		.4	1.3	1.1								2.8	9.7
WSW		.1		.1	.1							.4	14.3
W		.1	.4	.1								.7	8.6
WNW			.1	.3	.1							.5	12.5
NW			.4	.1		.1						.7	11.8
NNW			.5	.1	.1							.6	11.0
VARBL													
CALM												1.1	
	.5	6.3	44.8	42.3	4.4	.5						100.3	10.7

TOTAL NUMBER OF OBSERVATIONS 784

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2147 MAPILLO MAP TX 73-80  
 STATION STATION NAME YEARS  
 ALL WEATHER CLASS ALL HOURS (L.S.T.)  
 CONDITION

SPEED (KMTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.4	1.1	.5	.2	.0						2.3	9.8
NNE	.0	.3	.5	.5	.1							1.5	10.1
NE	.0	.3	1.0	1.1	.1							2.5	10.3
ENE	.0	.3	1.2	.7	.0	.0						2.2	9.6
E	.0	.6	1.5	1.0	.2	.0						3.3	9.9
ESE	.0	.6	1.3	.7	.2	.0						2.9	9.6
SE	.0	.9	2.5	1.8	.3	.1						5.6	10.4
SSE	.1	.6	3.4	3.1	.5	.1						7.7	10.8
S	.1	1.7	8.7	16.2	5.3	.3	.0					32.2	12.6
SSW	.0	.9	4.7	8.4	3.2	.3						17.4	12.9
SW	.0	.8	3.8	5.4	1.7	.1						11.8	12.1
WSW		.6	1.6	1.6	.4	.0						4.3	10.6
W	.0	.4	.8	.7	.0	.0						2.0	9.6
WNW	.0	.4	.4	.2	.1							1.2	8.4
NW	.0	.4	.5	.2		.0						1.1	8.4
NNW	.0	.3	.6	.2	.0							1.1	8.6
VARBL													
CALM												.9	
	.5	9.3	33.7	42.3	12.3	.9	.0					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 5952



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

# SURFACE WINDS

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

22047 AMARILLO MAP TX 73-80 SEP  
STATION STATION NAME YEARS MONTHS

ALL WEATHER 0000-0200  
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.2	1.9	1.4	.6	.3						5.0	11.1
NNE	.1	.1	1.2	1.7	.6	.1	.1					4.0	12.5
NE		.7	1.1	1.2	.8							3.9	11.5
ENE	.1	.4	.8	.6								1.9	8.1
E	.1	.3	1.0	1.1								2.5	10.0
ESE		.6	1.9	.3	.1							2.9	8.6
SE		1.5	2.1	1.4	.3							5.3	9.3
SSE	.1	1.7	9.1	2.8	.3	.1						13.1	9.4
S	.1	3.5	10.4	12.5	1.9	.3						26.7	10.6
SSW		1.9	4.9	4.6	.8							12.2	10.1
SW	.4	1.5	5.0	1.9	.6							9.4	9.2
WSW		.8	.8	1.0	.1							2.8	10.0
W	.1	1.1	.7	1.0								2.9	8.2
WNW	.1	.4	1.0	.4								1.9	8.4
NW		.6	.8	.1								1.5	6.9
NNW		.4	.3									.7	6.4
VARBL													
CALM												1.1	
	1.4	16.4	42.1	31.9	6.1	.8	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 720

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 20047 AMARILLO MAP TX STATION NAME: 73-80 YEARS: SEP MONTH: 1300-2500 HOURS (L.S.T.)  
 CLASS: ALL WEATHER  
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	2.9	1.7	.8							5.4	10.3
NNE		.6	1.8	2.1	.1							4.6	10.4
NE		.6	.7	1.1	.6							2.9	11.1
NNE		.7	.3	1.0								1.9	9.0
E		1.0	2.2	.1								3.3	3.0
ESE		.4	.8	.1								1.4	7.5
SE		.3	1.2	.1								1.7	8.1
SSE	.1	1.2	2.9	1.5								5.8	8.9
S	.3	3.5	10.7	7.5	1.0							22.9	9.6
SSW		2.9	7.6	5.4	.3							16.2	9.6
SW	.1	3.1	6.7	2.6	.1		.1					12.8	8.9
WSW	.1	2.2	1.4	1.1	.3							5.1	8.4
W		1.7	1.1									2.3	6.5
WNW	.1	1.4	1.0	.7								3.2	7.7
NW	.1	1.4	3.6	.3								5.4	7.5
NNW		.5	.8	.1	.1							1.7	8.4
VARBL													
CALM												1.8	
	1.2	22.1	45.8	25.6	3.3		.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL METEOROLOGICAL SERVICE  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 22047 AMABILLO MAP TX STATION NAME 73-80 YEARS SEP MONTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-2600  
 CONDITION

SPEED (KNTS) DIR.	1-3	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	1.9	3.5	1.3	.4						8.2	12.2
NNE		.4	1.1	1.7	.7	.3						4.2	13.3
NE		.1	.8	1.9	.3							3.2	12.2
ENE		.7	1.1	.6	.1							2.5	5.6
E	.1	.1	1.8									2.1	7.6
ESE	.4	.1	1.1	.1								1.8	6.8
SE	.3	1.3	1.8	.6								3.9	7.5
SSE		1.1	2.2	.7	.6							4.6	9.4
S	.4	1.1	7.6	6.3								15.4	9.9
SSW	.3	1.7	5.4	6.1	.1							13.6	10.3
SW	.1	3.1	7.1	5.1	.1							15.6	9.4
WSW	.1	1.8	2.4	2.1								6.4	9.0
W		2.9	1.4	.1								4.5	6.4
WNW	.1	1.5	1.5	.3								3.5	7.0
NW		2.2	3.3	.4	.1							6.1	7.6
NNW		.4	1.7	.7	.1							2.9	9.7
VARBL													
CALM												1.5	
	1.9	19.7	42.4	30.2	3.5	.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 719

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27047 APARILLO MAP TX 73-80 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 0900-1100  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.1	4.6	1.4	.7						4.3	13.8
NNE	.1	.4	1.4	2.9	1.5	.7						7.1	13.7
NE	.3	.1	1.0	1.7	1.0	.1						4.2	12.4
ENE		.8	.1	1.0	.7							2.6	11.7
E		.3	.4	.4								1.1	9.6
ESE		.1	.8	.8								1.8	9.6
SE		.4	1.1	.4								1.7	9.2
SSE	.1	1.2	1.4	1.9	.4							5.1	9.9
S	.1	1.7	4.9	4.4	1.8	.1						13.1	11.4
SSW		1.4	3.2	6.8	3.1	.1						14.6	12.9
SW	.1	.8	3.7	8.7	1.2	.1						14.9	12.4
WSW		1.4	1.4	3.3	1.1							7.2	11.5
W	.1	.6	1.9	1.7	.4							5.0	10.5
WNW		.8	2.2	1.5	.1							4.7	9.3
NW		1.4	1.8	1.4	.3							4.9	9.1
NNW		.4	1.8	.6	.1							2.9	9.1
VARBL													
CALM												.6	
	1.0	12.9	28.3	42.2	13.2	1.9						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 720

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

# SURFACE WINDS

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

2347 AMARILLO MAP TX 73-80 SEP 1980

ALL WEATHER  
 CLASS  
 CONDITION

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.2	2.5	3.1	1.7	.3						6.7	12.4
NNE		.4	2.1	2.2	1.7	.6						6.9	13.4
NE		1.1	1.8	1.8	.7							5.4	10.7
ENE		.6	1.9	1.2	.4							4.2	10.1
E	.3	.8	1.7	1.1								3.2	8.7
ESE		.7	1.5	.7								2.4	9.1
SE		.7	1.1	1.2								3.1	7.8
SSE		.7	2.4	3.5	.1							6.7	13.7
S		.8	5.6	7.4	3.9	.1						17.8	12.8
SSW		.7	2.5	6.7	1.9	.1						11.9	13.1
SW		.3	4.0	5.3	2.2							11.8	12.4
WSW		1.2	1.2	2.2	.7							5.4	11.4
W		.6	1.2	1.5	.3	.6						4.2	12.5
WNW		.1	1.0	.6	.4							2.1	11.7
NW		.3	.8	.3	.3							2.2	9.1
NNW		.4	1.4	.6	.1							2.5	9.8
VARBL													
CALM												1.5	
	.3	11.2	31.5	39.3	14.4	1.7						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2047 STATION NAME AMARILLO MAP TX YEARS 73-81 MONTH SEP  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.4	1.4	1.8	1.5							6.2	11.6
NNE		.4	1.4	2.5	1.1	.7						6.1	14.2
NE		.8	2.1	1.2	.3							4.4	10.2
ENE	.1	1.1	2.1	2.2								5.6	9.5
E		1.0	3.3	.8	.1							5.3	6.7
ESE		.3	.8	1.7	.1							2.9	11.2
SE	.1	.7	2.2	1.9	1.2							6.2	11.2
SSE		.7	1.7	4.0	.8							7.2	11.9
S	.1	1.4	4.7	9.4	4.2	.8						20.7	13.1
SSW	.1	.4	3.6	5.8	2.1	.3						12.4	13.1
SW	.1	.7	1.8	3.9	.1	.6						7.2	12.5
WSW		.1	1.2	1.8	1.9	.1						5.3	14.3
W		.7	1.2	1.0	1.0	.3						4.2	12.5
WNW		.3	.4	.4								1.1	8.9
NW	.1	1.3	.8	.4	.4	.1						2.9	9.9
NNW	.1	.3	.4	.6	.3							1.7	11.0
VARBL													
CALM												.6	
	1.1	11.2	29.3	39.6	15.3	2.9						100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 27047 STATION NAME AMARILLO MAP TX YEARS 73-80 MONTH SEP  
 CLASS ALL WEATHER HOURS (L.S.T.) 1800-2400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.5	1.2	.8							4.3	11.2
NNE	.3	.8	1.0	1.7	.3	.4						4.4	11.8
NE		1.1	1.9	1.9	.8	.1						6.0	11.2
ENE	.1	1.5	2.6	1.2	.1							5.7	8.8
E		.7	2.6	1.0								4.3	8.8
ESE	.1	.4	2.5	1.2	.1							4.4	9.3
SE	.1	.7	7.2	4.0	.8							12.9	10.2
SSE		.8	4.7	6.4	.4							12.4	11.1
S		1.5	6.8	12.2	2.8	.3						23.6	12.6
SSW		.4	3.2	3.7	.7	.1						8.2	11.9
SW		1.2	2.1	1.7	.1							5.1	9.6
WSW		.4	.8	1.1	.4							2.8	11.6
W		.5	.6	.6	.3							1.9	10.1
WNW		.1										.1	6.0
NW	.1	.7	.1		.1							1.1	6.4
NNW		.6		.4	.4							1.4	11.5
VARBL													
CALM												1.2	
	.8	12.4	37.8	38.5	8.3	1.0						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 720

NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 27247 STATION NAME AMARILLO MAP TX YEARS 73-80 MONTH SEP  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	.6	1.5	.4		.1					3.3	12.4
NNE			1.0	1.2	1.1	.3						3.6	14.8
NE		.3	2.1	1.5	.8							4.7	12.0
ENE		.3	2.4	.4								3.1	8.6
E	.1	.4	1.2	1.8								3.6	10.0
ESE		.7	2.8	.6	.3							4.3	9.1
SE		.9	6.1	3.2								10.1	9.6
SSE		2.4	10.3	6.2	.6	.1						19.6	9.9
S	.1	2.1	10.8	12.6	2.2	.1						23.1	11.1
SSW		1.2	3.1	3.1	.1							7.5	9.8
SW		1.2	1.7	.8	.3							4.0	6.8
WSW		.7	.6	.3								1.5	7.3
W	.1	.7	1.0	.4	.3							2.5	9.2
WNW		.7	.1	.1								1.0	6.9
NW		.4	.1		.3							.3	10.3
NNW		.4	.4	.1		.1						1.1	9.8
VARBL													
CALM												1.1	
	.4	13.1	44.2	34.0	6.4	.7	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 728



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 20047 STATION NAME AMARILLO MAP TX YEARS 73-80 MONTH SEP  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	1.7	2.3	1.1	.2	.0					6.3	12.0
NNE	.1	.4	1.4	2.0	.9	.4	.0					5.1	13.1
NE	.0	.6	1.4	1.6	.7	.0						4.3	11.4
ENE	.1	.9	1.4	1.0	.2							3.4	9.3
E	.1	.6	1.7	.8	.0							3.2	8.9
ESE	.1	.4	1.5	.7	.1							2.7	9.1
SE	.1	.8	2.9	1.6	.3							5.6	9.7
SSE	.1	1.2	4.2	3.4	.4	.0						9.3	10.2
S	.2	1.9	7.7	9.0	2.2	.2						21.3	11.3
SSW	.1	1.3	4.2	5.3	1.1	.1						12.1	11.4
SW	.1	1.5	4.0	3.8	.6	.1	.0					10.1	10.5
WSW	.0	1.1	1.2	1.6	.6	.0						4.6	10.7
W	.1	1.1	1.1	.8	.3	.1						3.5	9.7
WNW	.1	.7	.9	.5	.1							2.2	8.6
NW	.1	1.1	1.4	.4	.2	.0						3.1	8.3
NNW	.0	.4	.9	.4	.2	.0						1.9	9.0
VARBL													
CALM												1.2	
	1.0	14.9	37.7	35.2	8.8	1.2	.1					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 5759

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 2047 AMARILLO MAP TX STATION NAME: 73-80 YEARS: OCT  
 CLASS: ALL WEATHER DATE: 0000-0000  
 CONDITION: (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.1	1.7	1.1	1.6	1.3	1.2	.4					7.5	14.0
NNE		.9	.5	.5	.4							2.4	9.9
NE		.3	.6	.8	.5							2.4	11.7
ENE		.8	1.5	.7								3.0	8.1
E		.3	1.1	.4	.1							1.9	9.1
ESE		.5	1.1	.3								1.9	7.8
SE		.4	1.3	.3								2.0	8.1
SSE		.8	1.6	1.9	.3							4.6	10.2
S	.1	1.9	7.1	8.1	2.6	.3						20.0	11.5
SSW	.3	3.2	7.4	7.7	2.9	.3						21.6	11.2
SW	.1	2.7	7.9	3.0	1.1							14.3	9.5
WSW	.1	1.3	3.2	.9	.4							6.0	9.0
W	.1	1.2	.5	.9	.3							3.1	9.3
WNW		1.7	.4	.1	.1							2.4	7.1
NW		.5	.8	.9				.3				2.6	12.1
NNW		.7	1.2	.4	.3			.1				2.7	10.8
VARBL													
CALM												1.1	
	.9	19.1	37.6	28.5	10.2	1.7	.4	.4				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2147 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS 007 MONTHS  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-1500  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	2.4	2.3	.9	1.5	.3					2.2	14.1
NNE	.1	.4	1.2	.8	.0	.3						2.8	12.8
NE	.1	.4	.8	.9								2.3	8.8
ENE		.1	.7	.5								1.3	5.5
E	.1	.5	1.5	.1								2.3	7.5
ESE		.4	.5									1.2	7.4
SE		.4	.4	.1								.9	7.9
SSE			.7	1.5								2.2	11.0
S	.1	1.1	5.0	5.7	.9							12.8	11.1
SSW		2.0	7.1	2.0	1.6	.1						19.9	11.1
SW	.1	2.2	10.5	4.6	1.2	.1						19.7	10.1
WSW		1.1	3.9	2.2	.5							7.7	10.0
W		1.3	1.3	.7	.4							3.8	9.2
WNW	.2	1.7	1.2	.1	.1							3.5	6.0
NW		2.4	3.0	.9								6.3	7.7
NNW		2.2	.8	.3	.3	.1	.3					3.9	9.9
VARBL													
CALM												1.1	
	.9	17.2	41.3	23.7	7.0	2.2	.5					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 743

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 AMARILLO MAP TX STATION NAME 73-PD YEARS OCT  
 CLASS ALL WEATHER MONTH OCT  
 HOURS (L.S.T.) 600-0000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	4.6	3.4	1.5	1.2						11.8	12.6
NNE		.4	.4	2.3	.8	.4						4.7	13.6
NE		.1	.4	.7	.4	.3						1.9	14.2
ENE		.1	.3									.4	7.0
E	.1	.3	.1									.5	5.8
ESE		.7	.2	.1								1.1	6.9
SE		.4	.7	.1								1.2	7.7
SSE			.7	.7								1.3	11.4
S		1.6	3.2	4.3	.4							9.6	10.7
SSW		.9	5.1	5.8	1.9							13.7	11.5
SW	.3	2.6	11.2	4.4	.9							19.4	9.5
WSW	.1	2.0	3.6	3.1	.8							9.7	9.5
W		3.1	1.7	.9	.1	.3						6.2	8.3
WNW	.7	1.5	1.1	.7	.3							3.8	5.0
NW	.1	2.6	3.4	1.1	.3							7.4	6.1
NNW		1.6	2.3	1.2	.3	.1						5.5	9.3
VARBL													
CALM												1.7	
	1.2	18.7	39.4	28.8	7.8	2.3						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 743

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

# SURFACE WINDS

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

STATION 0147 AMARILLO MAP TX STATION NAME 73-8 YEARS 67  
 CLASS ALL WEATHER HOURS (L.S.T.) 000-100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	1.5	3.8	2.3	1.7	.1					1.2	15.5
NNE			1.5	2.3	3.2	1.2						3.2	16.4
NE			.4	1.3	1.3	.3						3.4	15.8
ENE			.7	.4								1.1	16.6
E		.5	.9	.4								1.6	8.6
ESE			.3	.1								.4	9.7
SE	.3		.4	.5	.1							1.3	9.6
SSE	.1	.1	.4	.7	.3							1.6	10.7
S		.5	1.6	3.5	1.7	.1						7.5	13.4
SSW		.7	1.3	5.4	3.5	2.6						12.9	15.6
SW		.7	2.3	7.8	3.1	1.2						14.9	14.1
WSW		.7	2.3	4.3	1.6	.4						9.3	10.9
W		.7	2.7	3.6	.9	.8						6.1	13.0
WNW		1.2	2.2	2.2	.4	.1						2.2	10.7
NW		.8	4.2	2.2	.3	.1						7.5	5.8
NNW		.5	2.4	1.6	.7	.1						5.4	11.4
VARBL													
CALM												.5	
	.5	6.7	25.6	32.4	19.5	6.2	.1					122.7	13.4

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

2047 AMARILLO MAP TX 73-80 007  
STATION STATION NAME YEARS MONTH

ALL WEATHER 1700-1900  
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	2.7	4.9	3.0	.4						11.3	13.6
NNE		.4	1.3	2.7	2.4	.3						7.1	14.4
NE			1.5	1.7	1.9							5.1	15.8
ENE	.1	.4	.3	.8	.1							2.2	9.1
E		.1	1.3	.5								2.0	9.7
ESE	.1	.1	.8	.3								1.3	6.1
SE		.4	.4	.4	.3							1.5	10.7
SSE		.4	.3	2.2	.4	.1						3.4	12.7
S		.8	3.9	4.0	1.5	1.7						12.0	13.8
SSW		.7	3.2	5.9	4.4	1.7						16.0	14.9
SW	.1	.5	2.0	6.2	3.8	.1						12.8	13.9
WSW	.1	.1	2.0	4.2	1.9	.5						6.9	13.9
W		1.1	1.1	2.8	1.5	.5	.1					7.1	13.8
WNW		.7	.7	.8	.4		.1					2.7	11.5
NW	.1		1.5	.8								2.4	10.2
NNW		.3	1.7	.8	.9							3.8	11.9
VARBL													
CALM												.5	
	.7	7.5	24.1	39.0	22.4	5.5	.3					100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 744

U.S. AIR FORCE  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 2547 MARILLO MAP TX STATION NAME: MARILLO MAP TX YEAR: 73-80 MONTH: DEC  
 CLASS: ALL WEATHER PERIOD: 1500-1700  
 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		.9	1.2	3.1	2.3	.1						7.7	17.4
NNE		.5	1.3	2.3	1.7	.7						6.6	17.0
NE		.7	2.2	3.8	1.2							7.8	11.9
ENE	.3	.4	1.1	.5								2.3	8.6
E		.9	1.6	.7								3.2	8.6
ESE		.1	.5	.7								1.3	9.9
SE		.3	.6	1.7								3.4	9.8
SSE		.3	.5	1.9	1.1	.1						3.9	13.5
S		.7	2.4	5.9	4.4	1.3						14.8	14.8
SSW		.5	3.6	4.8	4.8	.7						14.5	14.1
SW		.7	1.5	6.0	2.4	.4	.1					11.2	14.2
WSW	.1	.3	1.1	4.0	.9	1.3	.1					7.9	15.4
W		.7	1.5	2.6	.3	.1						5.6	12.7
WNW		.8	1.3	.4	.1							2.7	9.0
NW	.1	.5	1.1	.7	.3							2.7	9.5
NNW		.5	1.2	.8	.3	.1	.1	.1				3.2	12.7
VARBL													
CALM												1.2	
	.5	9.4	23.0	39.9	20.4	5.0	.4	.1				100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 247 AMARILLO MAP TX STATION NAME 73-80 YEARS 1960  
 ALL WEATHER CLAS 1960-2000  
 CONDITON NOV8 (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	1.6	1.7	1.3	.7						6.5	13.2
NNE	.3	.5	2.3	.9	.9	.1						5.1	11.1
NE		1.6	3.7	2.3								6.9	9.4
ENE	.1	.5	2.7	.5								4.2	7.9
E	.1	1.2	2.0	.3								3.6	7.2
ESE		1.1	2.3	.7								4.0	8.0
SE		1.1	3.8	1.7								6.6	9.7
SSE		.7	4.6	4.3	.4							9.9	10.9
S		3.8	8.6	10.3	2.7	.1						24.7	11.5
SSW		1.5	5.6	2.7	1.5	.1						11.4	10.5
SW		1.7	3.2	2.0	.4							7.0	9.5
WSW		.3	1.2	.8								2.3	9.7
W	.1	1.2	.9	.3	.1							2.7	7.8
WNW		.3	.1	.1								.5	8.5
NW	.1	.3	.5		.3	.1						1.3	10.7
NNW		.5	.3	.4		.1	.1					1.5	12.1
VARBL													
CALM												1.7	
	.9	16.3	42.7	29.2	7.7	1.3	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 744



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

# SURFACE WINDS

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

STATION 2047 STATION NAME AMARILLO MAP TX YEARS 77-80 MONTH OCT  
 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		1.3	1.1	1.6	1.1	.4						5.5	12.2
NNE	.1	.5	1.1	.7	.9	.3						3.9	12.4
NE		1.5	1.3	1.6	.1	.1						4.7	9.7
ENE		.3	1.3	.8								2.4	9.6
E	.1	.7	1.6	.8		.1						3.4	9.3
ESE		.5	1.9	.1	.1							2.7	8.0
SE	.1	1.2	4.0	1.5	.1							7.0	8.8
SSE	.3	.8	5.6	3.8	.5	.1						11.2	10.4
S	.3	1.7	10.3	11.8	3.9	1.1						29.2	11.2
SSW		2.2	5.9	3.0	1.2	.1						12.4	10.0
SW	.3	1.3	3.6	.8	.5							6.6	8.9
WSW	.1	.9	1.2	.4	.1							2.7	5.1
W	.1	.3	1.1	.8	.1							3.0	6.6
WNW		.1	.4	.3								.8	9.2
NW	.1	.8	.5	.5	.1		.3	.1				2.6	12.7
NNW		.3	.4	.3	.4							1.3	12.0
VARBL													
CALM												.8	
	1.6	15.2	41.5	28.8	9.4	2.3	.3	.1				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 AMAPILLO MAP TX STATION NAME AMAPILLO MAP TX YEARS 73-80 MONTH OCT  
 CLASS ALL WEATHER MONTH ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	1.0	2.8	1.7	.9	.1					6.5	13.7
NNE	.1	.5	1.3	1.6	1.4	.4						5.2	13.6
NE	.0	.6	1.3	1.6	.7	.1						4.3	11.7
ENE	.1	.4	1.1	.5	.0							2.1	8.6
E	.1	.5	1.3	.4	.0	.0						2.3	8.4
ESE	.0	.4	1.0	.3	.0							1.7	6.1
SE	.1	.6	1.5	.8	.1							3.0	9.1
SSE	.1	.4	1.2	2.1	.4	.1						4.2	11.1
S	.1	1.4	5.3	6.7	2.3	.6						16.3	12.2
SSW	.0	1.0	4.9	5.5	2.7	.6						15.3	12.3
SW	.1	1.5	5.3	4.4	1.7	.2	.0					13.2	11.3
WSW	.1	.5	2.3	2.5	.8	.3	.0					6.8	11.6
W	.1	1.3	1.4	1.5	.5	.2	.0					4.9	11.0
WNW	.1	1.0	.9	.6	.2	.0	.0					2.5	8.9
NW	.1	1.0	1.9	.9	.2	.0	.0	.1				4.1	9.4
NNW		.8	1.3	.7	.4	.1	.1	.0				3.4	11.0
VARBL													
CALM												1.1	
	.0	13.8	34.3	32.9	13.1	3.6	.3	.1				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 5950

NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2047 STATION NAME AMAPILLO MAR TX YEARS 73-80 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.4	3.2	3.1	1.8	.4	.1					13.6	12.1
NNE		.4	1.2	1.7	1.0							4.3	12.4
NE	.1	.8	1.2	1.4	.6							4.2	10.5
ENE		1.0	.8	.3								2.1	7.3
E	.1	.4	1.2	.8								2.6	9.1
ESE			1.0	.6								1.5	9.6
SE		.3	1.1	.8								2.2	9.9
SSE		.7	2.1	1.4		.1						4.3	9.9
S		1.2	5.3	7.1	1.7	.4						15.7	11.6
SSW		.6	4.7	4.2	.7	.4						10.6	11.5
SW		2.1	6.8	3.6	1.5							14.0	10.4
WSW		1.2	5.1	2.4	.8							9.6	9.7
W	.1	1.5	2.1	1.0	.1	.3	.1					5.3	9.7
WNW		1.5	1.8	.8								4.2	8.1
NW		1.1	1.5	1.2	.3							4.2	9.7
NNW		.6	1.9	.6	.4	.1	.1					3.7	11.1
VARBL													
CALM												1.5	
	.4	14.9	41.2	30.8	8.9	1.8	.4					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2147 AMARILLO MAP TX 73-80 NOV  
STATION STATION NAME YEAR MONTH

ALL WEATHER

0000-0500  
HOURS (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		.8	3.2	3.6	1.1	.3						9.0	12.3
NNE		.8	1.2	2.1	1.0		.1					5.3	12.3
NE	.1	.1	.6	.7	.1							1.7	11.0
ENE	.1	.3	.3	.4								1.1	8.4
E		.6	1.2	.4								2.2	8.5
ESE		.1	.6	.1								1.1	8.5
SE		.4	.6	.3								1.2	8.7
SSE	.1	.7	1.2	1.1	.3							3.5	9.9
S		.4	5.7	4.3	.3							10.7	10.7
SSW		1.0	3.9	5.4	1.0							11.2	11.2
SW	.1	1.8	8.2	4.6	.8							15.6	9.9
WSW		1.2	4.0	2.1	.8							8.2	10.1
W		2.8	2.6	.8	.1							6.4	8.0
WNW	.3	2.2	1.5	.8	.1	.6						5.6	9.1
NW		1.9	4.7	2.2	.6	.1						9.4	9.6
NNW		.8	2.6	2.9	.7	.1						7.2	11.2
VARBL													
CALM												.6	
	.8	16.0	42.5	31.9	6.9	1.1	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 47      STATION NAME: MAPILLO MAP TX      YEARS: 73-80      MONTHS: NOV  
 CLASS: ALL WEATHER      HOURS (L.S.T.): 1600-0000  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.1	3.5	5.7	1.2	.3	.3					12.5	11.7
NNE		.4	1.2	1.9	.1							3.7	11.3
NE	.1		.4	.7	.4							1.7	13.1
ENE				.1	.1	.1						.4	20.3
E	.1		.6	.3								1.3	9.3
ESE		.1	.7	.1								1.3	8.6
SE		.6	.8	1.1								2.5	9.4
SSE	.1	.4	1.1	.4	.1							2.2	8.9
S		1.1	3.0	4.6	.6							10.1	10.7
SSW	.3	1.3	2.6	3.1	.4							7.4	10.1
SW	.1	1.5	7.9	4.4	1.7							15.3	10.1
WSW		2.6	3.3	1.8	.6							4.3	8.9
W		1.1	2.1	.8	.8							6.6	8.4
WNW		2.1	1.3	.3	.3							4.4	7.6
NW		2.9	6.0	3.7	.1							12.6	9.1
NNW		1.5	4.6	2.2	.6	.1						9.3	10.0
VARBL													
CALM												1.1	
	1.0	19.4	40.6	30.7	6.4	.6	.3					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 STATION NAME MAPILLO MAP TX YEARS 73-80 MONTH NOV  
 CLASS ALL WEATHER MONTHS 0900-1100  
 CONDITION \_\_\_\_\_ HOURS (L.S.T.) \_\_\_\_\_

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	3.2	6.0	2.1	.8						13.2	12.7
NNE		.7	1.0	1.7	2.1	.4						5.8	14.2
NE		.6	.4	1.1	1.1							3.2	13.8
ENE	.1		.3	.3	.1							.8	10.3
E	.1	.3	.7									1.1	7.5
ESE			1.0	1.0								1.9	10.4
SE		.1	.4	1.0	.1							1.7	11.9
SSE		.3	1.5	.7	.3	.1						2.9	10.6
S	.1	.6	1.5	3.2	1.5	.1						7.1	12.6
SSW	.1	.3	2.2	1.8	1.4	.8	.3					7.5	13.7
SW	.1	1.4	1.6	5.1	2.4							10.8	12.7
WSW		1.2	2.2	4.4	1.9	.8						10.7	13.3
W		1.2	1.9	1.7	.7	.3	.1					6.0	11.5
WNW	.1	.7	3.2	1.2								5.3	8.9
NW	.1	2.1	3.7	4.3	.6							10.8	10.1
NNW	.1	1.2	3.1	2.9	2.5	1.0						10.8	13.1
VARBL													
CALM												.3	
	1.4	12.1	28.2	36.4	16.8	4.4	.4					100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 21047 AMARILLO, MAP, TX STATION NAME: 73-80 YEARS: NO  
 CLASS: ALL WEATHER MONTH: 1230-1400  
 CONDITION: \_\_\_\_\_  
 HOURS (L.S.T.): 1230-1400

SPEED (KNTS) DIR.	1 - 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	2.5	7.9	3.5	1.5	.4					17.2	14.5
NNE		.4	1.7	2.5	1.4							6.0	12.7
NE		.8	.4	2.1	.4							3.7	11.9
ENE		.3	.7	.3		.1						1.4	10.7
E		1.1	1.1	1.0								3.2	8.1
ESE	.3	.4	.7	.6								1.9	7.9
SE	.1	.1	.3	.3	.3							1.1	10.9
SSE	.1	.1	1.0	1.0	.3							2.5	10.9
S		.4	1.9	3.9	2.6	.6						9.4	13.9
SSW		.7	1.9	3.9	3.5	.8						10.8	14.6
SW	.1	.6	1.2	2.5	3.7	1.2						7.4	16.0
WSW		.3	1.4	3.5	1.9	1.2	.6					6.9	16.3
W	.1	.1	1.6	2.8	1.4	1.0	.4					7.6	14.5
WNW		.6	1.7	1.1	.3	.1						3.7	10.6
NW	.4	.8	1.5	2.6		.1						5.6	10.2
NNW	.1	.6	1.5	1.7	1.0	1.4						6.2	14.6
VARBL													
CALM												1.1	
	1.4	8.5	21.7	37.5	20.3	8.2	1.4					100.0	13.5

TOTAL NUMBER OF OBSERVATIONS: 720

FEDERAL CLIMATOLOGY BRANCH  
 AFSTAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

2047 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS NOV NORTH  
 ALL WEATHER CLASS 1972-1976 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	3.2	4.7	2.5	1.4	.3					19.7	13.8
NNE	.1	.8	1.4	3.1	2.1	.4						7.9	12.2
NE		.4	1.1	2.2								3.7	10.7
ENE		.3	.4	.1								.8	5.7
E	.1	.7	.7	.7								3.2	6.7
ESE		.7	1.1	.4								2.1	4.9
SE	.1	1.0	1.5	1.0	.3							3.9	7.0
SSE		.4	2.9	2.2	.7							6.2	11.7
S	.4	.7	2.6	3.9	3.6	.6						11.8	13.2
SSW		1.7	2.1	3.9	1.2	.4						3.6	12.9
SW		.4	2.4	5.0	2.1	.4	.4					12.7	14.0
WSW		.3	1.8	3.3	2.5	1.4						9.3	15.0
W		.8	1.5	1.7	1.1	1.2	.3	.1				5.8	15.3
WNW		.9	1.1	.8	.1							2.9	9.2
NW	.1	.7	1.2	.8	.4							3.3	9.4
NNW		.6	.7	1.8	.8	.7	.3					4.9	10.2
VARBL													
CALM												1.0	
	1.0	11.1	25.8	35.7	17.5	6.5	1.2	.1				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 720



FEDERAL METEOROLOGICAL SERVICE  
 WASHINGTON, D. C.  
 METEOROLOGICAL SERVICE/MAC

# SURFACE WINDS

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

STATION 47 STATION NAME AMARILLO MAP TX YEARS 73-85 MONTHS NOV  
 ALL WEATHER CLASS ALL WEATHER 1907-2000 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	.5	2.2	1.0	2.6	.4	.3					6.5	10.8
NNE	.2	1.2	2.5	2.9	.3	.1						7.4	10.2
NE	.2	1.4	2.5	.8	.1							3.6	8.0
ENE		.4	1.2	.8								2.5	9.1
E		.3	1.0	.6								1.8	6.5
ESE		.3	1.5	1.8	.1							3.7	10.4
SE		1.0	2.2	1.9	.1							5.1	7.6
SSE		.7	4.6	3.9	.1							9.3	10.2
S	.1	3.2	7.4	6.4	2.5							19.6	10.6
SSW	.1	1.9	4.7	3.1	.7	.1						13.7	9.8
SW		1.3	4.2	1.7	.4							7.2	9.7
WSW	.1	1.1	1.5	.8								3.6	8.5
W		1.1	.8	1.5	.7	.4	.1					4.7	12.2
WNW		1.1	.7	.7	.1							2.6	9.2
NW	.1	.7	.4	.3								1.5	7.2
NNW	.3	.7	.6	.3	.1	.6	.3					2.8	13.2
VARBL													
CALM												3.3	
	1.5	17.4	38.1	22.3	8.1	1.7	.7					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 720

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

2747 SMARILLI MAP TX 77-80 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 2100-2400  
CLASS HOURS (L.S.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.5	2.2	1.5	.4	.4					6.9	14.7
NNE	.3	.7	2.5	2.1	.9	.4						6.3	11.7
NE		.9	2.1	1.1	.1							4.2	9.4
ENE	.1	.7	1.0	.4	.3							2.5	5.7
E	.1	.9	1.5	1.4	.1							4.0	7.1
ESE		.6	1.2	.8	.4							3.1	16.5
SE		.7	2.2	1.5								4.0	18.0
SSE		.4	2.9	3.1	.6	.1						7.1	11.8
S		2.1	6.9	7.2	2.6	.6						19.4	11.7
SSW	.1	1.7	3.7	2.9	1.4	.3						17.1	18.9
SW		3.1	4.9	2.6	.7							11.2	9.1
WSW	.1	.9	2.6	1.4	.4							5.4	10.0
W	.1	2.1	2.2	.7	.1	.3	.1					5.7	9.1
WNW	.1	.7	1.2	1.1								3.2	9.1
NW		.5	.8	.6								1.7	8.3
NNW		1.7	.7	.7		.9						3.2	12.9
VARBL													
CALM												1.4	
	1.2	16.7	37.9	29.9	9.2	2.9	.6					100.0	16.5

TOTAL NUMBER OF OBSERVATIONS 770

UNITED STATES WEATHER SERVICE  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20540

# SURFACE WINDS

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

2047 \_\_\_\_\_

STATION NAME MARILLO MAP TX YEARS 77-80 NCY       

CLASS ALL WEATHER MONTH       

CONDITION \_\_\_\_\_ HOURS (L.S.T.)       

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	2.8	4.3	2.0	.7	.2					11.4	13.2
NNE	.1	.7	1.6	2.2	1.1	.2	.0					5.9	12.3
NE	.1	.7	1.1	1.3	.4							3.5	10.5
ENE	.1	.4	.6	.3	.1	.0						1.5	9.3
E	.1	.5	1.0	.6	.0							2.3	9.7
ESE	.0	.3	1.0	.7	.1							2.0	9.6
SE	.0	.5	1.1	1.0	.1							2.7	9.5
SSE	.1	.5	2.2	1.7	.3	.1						4.8	10.5
S	.1	1.2	4.4	5.1	1.9	.3						13.0	11.0
SSW	.1	1.1	3.2	3.5	1.3	.4	.0					9.6	11.5
SW	.1	1.5	4.7	3.7	1.6	.2	.1					11.6	11.3
WSW	.2	1.1	2.3	2.5	1.1	.4	.1					6.0	11.9
W	.1	1.6	1.9	1.4	.6	.4	.2	.0				6.2	11.3
WNW	.1	1.2	1.6	.9	.1	.1						4.3	9.9
NW	.1	1.3	2.5	2.0	.2	.0						6.2	9.5
NNW	.1	.9	2.0	1.6	.8	.6	.1					6.0	12.5
VARBL													
CALM												1.3	
	1.1	14.5	34.5	32.8	11.8	3.4	.6	.0				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 5765

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 27 47 STATION NAME AMAPILLO MAP TX YEARS 73-80 MONTH DEC  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	2.4	4.2	2.7		.3					11.4	12.6
NNE	.1	.5	1.1	1.6	1.5	.1						5.0	13.2
NE		.5	1.2	.3	.3	.1						2.4	10.4
ENE	.1				.1							.3	12.3
E	.1	.9	.9	.1								2.2	6.8
ESE	.1	.4	.1									.7	5.4
SE		.8	.7	.1								1.6	7.2
SSE			1.1	1.1	.1							2.3	10.2
S	.1	1.5	4.4	3.2	.9							10.3	10.2
SSW		1.1	5.4	3.5	.3							10.2	10.1
SW	.1	1.5	6.7	5.2	1.6							13.3	10.5
WSW		2.2	6.3	3.0	1.2	.3						10.9	10.3
W	.1	2.3	2.8	1.3	1.5	.4						8.6	10.7
WNW		.9	2.8	1.2	.1							5.0	9.2
NW		.9	3.5	2.0	.4	.1	.1					7.1	10.5
NNW	.1	1.3	1.6	.5	.3							3.9	8.2
VARBL													
CALM												.3	
	1.1	16.2	41.1	27.4	11.2	1.1	.4					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 744

U.S. AIR FORCE  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 2747 AMARILLO MAP TX STATION NAME 77-80 YEARS DEC MONTH DEC  
 CLASS ALL WEATHER HOURS (L.G.V.) 0300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	2.6	5.3	2.8	.7	.3					12.7	13.6
NNE		.5	.7	1.5	.4	.4						3.5	12.7
NE		.7	.3	.3	.7							1.9	11.5
ENE			.4	.1								.5	10.3
E		.5	.3									.9	6.8
ESE		.4										.4	4.7
SE		.3	.3									.5	6.6
SSE		.5	.4	.4								1.3	6.2
S		.5	3.1	1.5	.5							5.7	10.3
SSW		.5	3.5	2.2	.7	.3						7.1	11.3
SW	.3	1.6	9.3	5.5	1.5	.1						18.3	10.2
WSW	.1	1.8	6.3	5.1	1.2							14.6	10.5
W	.1	2.3	3.2	1.9	.8	.5						8.9	10.2
WNW		2.4	3.0	1.2	.4	.1						7.1	9.0
NW	.1	1.5	7.0	2.7	.3							11.6	9.3
NNW	.1	.9	1.5	1.3	.3							4.2	10.2
VARBL													
CALM												.6	
	.9	15.5	41.8	29.0	9.6	2.2	.3					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 742

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAG

# SURFACE WINDS

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

STATION: 47 AMARILLO MAP TX STATION NAME: 73-FG YEARS: DEC  
 CLASS: ALL WEATHER HOURS (L.S.T.): 3600-3600  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	3.4	4.6	2.6	.7	.1	.1				12.9	13.3
NNE		.5	1.3	2.5	.9	.4	.1					5.4	13.4
NE		.3	.5	1.2	.3							2.3	11.8
ENE		.1	.1									.3	6.5
E		.1										.1	4.0
ESE		.1	.5									.7	7.0
SE		.3	.7	.4								1.3	8.8
SSE		.3	.3	.4								.7	9.6
S		.4	2.0	.7	.3							3.4	9.8
SSW		1.3	2.8	1.6	1.2	.1						7.3	11.0
SW		1.3	6.7	4.8	.1	.1						13.2	10.3
WSW	.1	2.0	5.1	3.2	.9	.3	.1					11.3	10.5
W		3.4	3.8	1.9	.3	.8						10.1	9.7
WNW	.3	1.2	3.5	1.3	.4							7.4	8.5
NW		1.7	7.5	3.2	.4	.3						13.2	9.7
NNW		1.3	2.6	2.2	1.1							7.1	10.7
VARBL													
CALM												2.7	
	.5	16.4	40.9	27.8	8.5	2.7	.4	.1				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 AFSTAC  
 AIR FORCE SERVICE/AFAC

# SURFACE WINDS

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

STATION 47 STATION NAME MAPILLO MAP TX YEARS 73-80 MONTH DEC  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	2.6	6.5	3.9	1.5	.3	.1				16.0	15.0
NNE	.1	.1	.7	2.0	1.3	.7						3.0	15.3
NE		.2	.3	1.6	.8							3.1	13.6
ENE		.2	.1	.8								1.2	11.0
E		.1	.3	.3								.7	9.4
ESE		.1	.4									.5	7.3
SE			.1	.3								.4	12.0
SSE		.3	.4	.4	.1							1.2	11.0
S	.1	1.1	1.3	1.1	1.1							4.7	12.9
SSW		.4	1.1	1.2	2.0	.5						5.2	15.0
SW	.3	2.0	3.1	4.2	1.7	.1						11.4	11.4
WSW	.3	1.3	3.0	3.4	2.2	.5						10.6	12.2
W		1.6	3.4	1.6	1.2	.5	.4					6.7	12.3
WNW	.3	1.6	2.8	3.1	.7		.1					8.6	10.8
NW		2.7	5.5	4.7	.7	.1						13.1	10.4
NNW	.1	.8	2.4	2.7	.9	.5						7.5	12.1
VARBL													
CALM												1.9	
	1.2	13.3	27.5	33.8	16.8	4.6	.8	.1				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 745

FEDERAL CLIMATOLOGY BRANCH  
 AFM/TAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2747      CHARILLO MAP TX      73-80      DEC

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STATION      STATION NAME      YEARS      MONTH

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ALL WEATHER      1200-1400

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CLASS      HOURS (L.S.T.)

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CONDITION

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SPEED (KNTS) DIR.	1 - 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	4.0	7.4	3.2	1.5	.3					17.2	13.9
NNE		.5	1.1	3.0	3.4	1.2						9.1	10.0
NE		.3	.7	1.5	.4	.5						3.4	14.3
ENE		.3	.1	1.1	.1							1.6	11.4
E		.1	.7	.5								1.3	10.6
ESE			.4	.1	.1							.7	8.4
SE			.4	.3								.7	7.2
SSE			.5	.3	.4							1.2	8.2
S	.1	.7	1.3	2.6	1.5	.5						6.7	13.6
SSW		.7	1.6	2.8	2.7	.9						8.7	13.0
SW			.8	1.3	3.8	2.7	1.7	.3				10.0	15.8
WSW			.1	1.6	2.2	2.4	1.5	.3				8.1	10.6
W			.3	1.7	2.7	2.3	.7	.3				7.4	13.0
WNW			.4	1.7	1.9	.4	.4	.1				5.0	12.5
NW	.3	.7	3.2	2.8	.8	.5						8.3	11.5
NNW		.5	1.7	3.4	2.0	1.3						9.0	15.0
VARBL													
CALM												.4	
	.4	7.5	21.6	36.0	21.9	10.9	1.2					170.0	14.2

TOTAL NUMBER OF OBSERVATIONS      744



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAJ

# SURFACE WINDS

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

2147 STATION AMARILLO MAP TX STATION NAME 73-60 YEARS 265 MONTHS  
 ALL WEATHER CLASS 1600-1700 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	1.6	4.3	6.9	4.4	1.1						16.4	13.3
NNE	.1	.5	2.2	3.2	3.5	.9						10.5	14.6
NE		1.5	1.3	1.9	.5							5.2	10.3
ENE	.3	.5		.9	.7							2.0	10.3
E		.4	.4	.5								1.3	9.5
ESE		.4	.7									1.1	6.8
SE		.4	.3									.7	6.6
SSE		.4	.1	.7	.3							1.5	11.5
S		.9	2.4	3.9	2.3	.7	.3					10.2	13.5
SSW		.7	.7	4.3	1.9	.8						8.3	14.7
SW		.5	2.6	3.9	2.0	1.2	.1					10.7	14.3
WSW	.3	.1	.9	2.8	2.3	.7						7.3	15.3
W		.3	1.3	2.3	1.1	1.1	.1					6.2	14.7
WNW		1.1	2.2	1.9	.4	.1						5.6	10.5
NW		1.7	.9	.5	.3	.3						3.8	9.2
NNW	.3	1.2	1.9	1.7	.8	.8						6.7	11.8
VARBL													
CALM												1.1	
	1.1	12.4	22.0	35.5	19.8	7.7	.5					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 WPLTAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47 STATION AMAPILLO MAP TX 73-80 YEARS DEC MONTH

ALL WEATHER CLASS  
 \_\_\_\_\_  
 CONDITION  
 \_\_\_\_\_

1800-2300 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.1	3.4	2.3	1.9	.4	.4					11.4	11.5
NNE	.4	.4	3.5	3.6	1.7	.8						10.3	12.4
NE		.9	2.3	1.7								8.0	8.3
ENE	.1	.3	1.5	.7								3.1	8.3
E		1.5	1.1	1.1	.1							3.2	9.0
ESE	.4	.9	.7									2.3	5.4
SE		.3	2.0	.1								3.0	7.9
SSE	.1	.3	3.4	2.6	.9							7.1	11.1
S	.1	1.9	5.6	5.0	1.5							14.1	10.7
SSW		1.5	4.2	3.4	.8							9.8	10.2
SW	.1	2.2	3.9	2.2	.3							8.6	9.2
WSW		.7	2.3	1.5	.1	.1	.1					4.8	10.4
W		1.5	1.1	.7	.7							3.9	10.0
WNW		1.1	.9		.1							2.2	7.4
NW	.1	1.3	1.3	.4								3.2	7.0
NNW	.1	1.1	1.1	1.2	.4							3.9	10.0
VARBL													
CALM												3.8	
	1.6	20.3	38.2	26.3	7.9	1.3	.5					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

2047 STATION AMAPILLO MAP TX STATION NAME 73-80 YEARS 010 NORTH  
 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		2.2	2.6	3.0	2.2	.7	.3					10.8	13.0
NNE		.5	2.8	2.8	1.3	.4						7.9	12.1
NE		.5	.8	.9	.3							2.6	10.5
ENE		.8	.8	.7								2.3	9.0
E	.1	1.2	1.6	.5								3.5	7.9
ESE			.4									.4	7.3
SE	.1	1.3	.9		.1							2.6	7.1
SSE		.4	2.6	1.7	.4	.3						5.4	10.9
S		1.6	5.8	5.9	.4	.1						13.8	10.6
SSW		2.3	5.4	3.1	1.1	.3						12.1	10.3
SW		2.4	6.9	4.4	1.2							14.9	11.3
WSW		1.7	2.3	1.7	.5							6.3	9.7
W	.1	1.7	1.5	.7	.5	.1						4.7	9.3
WNW	.1	1.1	.8	.4	.1							2.6	7.9
NW	.1	1.2	2.7	1.1	.3							5.4	9.1
NNW		1.1	1.2	.3	.1							2.7	8.4
VARBL													
CALM												2.2	
	.7	20.2	32.9	27.3	8.6	1.9	.3					100.6	10.1

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27 47 AMAPILLO MAP TX 73-80 DEC  
STATION MONTH  
 ALL WEATHER  
CLASS  
 ALL  
HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.6	3.1	5.0	3.0	.6	.2	.0				13.9	13.4
NNE	.1	.9	1.7	2.5	1.7	.6	.0					7.1	13.3
NE		.6	.9	1.2	.4	.1						3.2	11.3
ENE	.1	.4	.4	.5	.1							1.4	9.7
E	.0	.6	.7	.4	.2							1.7	8.4
ESE	.1	.4	.4	.0								.6	8.3
SE	.0	.5	.7	.1	.0							1.3	7.7
SSE	.0	.3	1.1	1.0	.2	.0						2.6	10.6
S	.1	1.1	3.3	3.0	1.0	.2	.0					9.6	11.2
SSW		1.1	3.1	2.8	1.3	.4						8.6	11.9
SW	.1	1.6	5.1	4.3	1.4	.4	.1					17.8	11.3
WSW	.1	1.2	3.5	2.9	1.4	.4	.1					9.5	11.7
W	.1	1.7	2.4	1.6	1.1	.5	.1					7.4	11.5
WNW	.1	1.3	2.2	1.4	.3	.1	.0					5.4	9.8
NW	.1	1.4	4.0	2.2	.4	.2	.0					8.2	9.9
NNW	.1	1.0	1.7	1.7	.7	.3						5.6	11.5
VARBL													
CALM												1.7	
	.9	15.3	34.0	30.4	13.0	4.0	.6	.0				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 5949

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 47 STATION NAME AMARILLO MAP TX YEARS 73-81 MONTH ALL

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

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.0	2.1	3.0	1.6	.7	.1	.0				6.5	13.4
NNE	.0	.5	1.2	1.6	.9	.2	.0	.0				4.0	13.1
NE	.0	.5	1.1	1.2	.4	.1	.0	.0				3.3	11.3
ENE	.0	.4	.9	.7	.1	.0	.0					2.3	10.0
E	.0	.4	1.3	.9	.1	.0	.0					2.9	9.8
ESE	.0	.4	1.2	.8	.2	.0	.0					2.6	10.1
SE	.0	.6	1.8	1.9	.5	.1	.0					4.9	11.3
SSE	.0	.6	2.5	3.0	.9	.2	.0	.0				7.2	11.9
S	.1	1.2	4.9	8.0	3.2	.5	.1	.0				18.3	12.9
SSW	.0	.9	3.2	4.6	1.9	.4	.0					11.1	12.8
SW	.1	1.0	3.8	4.0	1.5	.3	.0	.0				10.7	11.9
WSW	.0	.7	2.0	2.1	.5	.3	.1	.0				6.2	12.4
W	.1	.9	1.3	1.3	.7	.4	.2	.0				4.9	12.0
WNW	.0	.6	1.3	.8	.3	.2	.0	.0				3.4	10.7
NW	.1	.8	1.9	1.3	.2	.1	.0	.0				4.5	10.2
NNW	.0	.5	1.2	1.0	.4	.2	.1	.0	.0	.0		3.6	12.0
VARBL													
CALM												1.1	
	.7	11.5	31.8	36.1	13.8	4.2	.7	.1	.0	.0		104.0	12.0

TOTAL NUMBER OF OBSERVATIONS 70114

REGIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 47 MARILLO MAP TX STATION NAME: 77-51 YEARS: ALL MONTH: ALL HOURS (L.S.T.): ALL

INSTRUMENT: CLASS: NONE

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	3.0	6.0	6.0	2.5	.5	.0				21.1	15.5
NNE	.0	.5	2.1	6.0	3.7	.9	.1					15.2	14.5
NE	.0	.6	1.9	2.7	1.3	.3						6.8	12.8
ENE	.0	.6	1.3	1.4	.4	.0						3.7	10.7
E	.0	.9	2.0	1.5	.2	.0						4.7	10.0
ESE	.0	.5	1.5	1.3	.3	.0						3.6	10.4
SE	.0	.7	1.7	2.4	.9	.2	.0					6.1	12.2
SSE	.1	.7	1.9	2.6	1.4	.4	.0					6.1	12.7
S	.1	.6	3.2	6.5	3.0	.4						13.9	15.2
SSW	.0	.4	1.4	2.8	1.2	.2	.0					6.0	13.1
SW	.0	.3	1.1	1.3	.7	.1						3.4	12.5
WSW	.0	.2	.4	.3	.1		.0					1.1	10.0
W	.0	.3	.3	.1	.0	.0	.3	.1				.9	13.1
WNW	.0	.2	.1	.2	.1	.0	.0	.1				.3	12.5
NW	.0	.4	.9	.6	.3	.2	.1	.1				2.7	12.9
NNW	.1	.3	.9	.9	.6	.3	.2	.1		.0		3.4	15.0
VARBL													
CALM												.7	
	.7	8.1	23.8	39.7	20.1	5.6	1.0	.4		.0		109.0	14.2

TOTAL NUMBER OF OBSERVATIONS: 1000

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq 0$	
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$					95.4											
$\geq 0$						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.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

JAN  
MONTH

## 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	≥½	≥⅓	≥¼	≥0	
NO CEILING	62.8	63.7	64.1	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	69.0	70.0	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 1800	69.0	70.0	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 1600	69.0	70.0	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 1400	69.5	70.6	71.0	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1200	70.4	71.5	71.9	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1000	72.6	73.9	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 900	72.6	73.9	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 800	73.5	75.0	75.4	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 700	74.2	75.7	76.1	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
≥ 600	74.9	76.3	76.7	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	75.8	77.6	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	76.3	78.1	78.5	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
≥ 4000	76.7	78.6	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3500	77.2	79.0	79.4	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	77.4	79.4	79.8	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	78.1	80.2	80.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	78.8	80.9	81.3	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	79.2	81.3	81.7	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1500	80.1	82.5	82.9	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1200	80.8	83.2	83.6	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	81.0	83.7	84.3	85.1	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 900	81.3	84.4	85.1	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 800	81.5	84.7	85.3	86.2	86.4	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
≥ 700	81.9	85.3	86.2	87.1	87.4	87.5	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 600	82.4	86.2	87.4	88.3	88.6	88.7	88.8	88.8	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1
≥ 500	82.4	86.4	87.9	89.2	89.5	89.7	89.8	89.8	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2
≥ 400	82.8	87.6	89.5	91.1	91.8	91.9	92.1	92.1	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.6
≥ 300	82.8	88.2	90.1	92.2	93.3	93.4	93.8	94.0	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	82.8	88.2	90.1	92.3	93.5	93.7	94.1	94.8	94.9	96.5	96.5	96.5	96.9	97.0	97.2	97.2
≥ 100	82.8	88.2	91.1	92.3	93.5	93.7	94.1	94.8	94.9	96.8	97.0	97.0	97.7	97.8	98.8	99.3
≥ 0	82.8	88.2	90.1	92.3	93.5	93.7	94.1	94.8	94.9	96.8	97.0	97.0	97.7	97.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

74-81

JAN

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	60.9	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.8
≥ 20000	68.1	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.5
≥ 18000	68.3	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.6
≥ 16000	68.3	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.6
≥ 14000	68.8	69.5	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.2
≥ 12000	69.4	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7
≥ 10000	71.8	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.4
≥ 9000	71.9	72.8	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5
≥ 8000	73.9	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.7
≥ 7000	74.3	75.3	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.1
≥ 6000	75.1	76.2	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	77.0
≥ 5000	75.7	77.2	77.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.1
≥ 4500	75.9	77.4	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.4
≥ 4000	76.6	78.1	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0
≥ 3500	77.8	79.3	79.4	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
≥ 3000	78.4	79.8	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.9
≥ 2500	78.8	80.2	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.3
≥ 2000	79.4	81.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.1
≥ 1800	80.0	81.7	82.1	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.1
≥ 1500	81.0	83.1	83.6	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.9
≥ 1200	81.6	84.1	84.7	85.6	85.6	85.6	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.2
≥ 1000	81.9	84.4	84.9	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.4
≥ 900	82.3	85.3	85.9	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.4
≥ 800	82.7	86.0	86.6	87.6	87.6	87.6	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.2
≥ 700	82.9	86.4	87.2	88.3	88.3	88.3	88.8	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.5
≥ 600	82.9	86.6	87.8	88.8	88.8	88.8	89.4	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.2
≥ 500	83.3	87.9	89.0	90.2	90.2	90.2	90.7	91.3	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.9
≥ 400	83.5	88.3	89.4	91.1	91.5	91.5	92.2	92.9	92.9	92.9	93.7	93.8	93.8	93.8	93.8	94.0
≥ 300	83.5	88.6	89.7	91.4	91.9	91.9	92.6	93.5	93.5	93.5	95.2	95.6	95.6	95.6	95.6	96.1
≥ 200	83.5	88.6	89.7	91.4	92.1	92.1	92.9	93.8	93.8	93.8	95.8	96.2	96.2	96.2	96.5	98.7
≥ 100	83.5	88.6	89.7	91.4	92.1	92.1	92.9	93.8	93.8	93.8	95.8	96.2	96.2	96.2	96.5	99.5
≥ 0	83.5	88.6	89.7	91.4	92.1	92.1	92.9	93.8	93.8	93.8	95.8	96.2	96.2	96.2	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

JAN  
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	¾	¾	≥5/16	≥¼	≥0
NO CEILING	59.5	60.6	60.8	60.8	60.8	60.8	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.3	61.3
≥ 2000	64.4	65.9	66.4	66.5	66.5	66.5	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.1	67.1
≥ 1800	64.5	66.0	66.5	66.7	66.7	66.7	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 1600	64.5	66.0	66.5	66.7	66.7	66.7	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 1400	65.9	67.3	67.9	68.0	68.0	68.0	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5
≥ 1200	66.8	68.3	69.0	69.1	69.1	69.1	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.6
≥ 1000	69.1	70.6	71.2	71.4	71.4	71.4	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.9	71.9
≥ 900	69.8	71.5	72.2	72.3	72.3	72.3	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8
≥ 800	72.0	74.3	75.0	75.1	75.1	75.1	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.7	75.7
≥ 700	72.2	74.5	75.1	75.3	75.3	75.3	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.9	75.9
≥ 600	72.6	74.9	75.8	75.9	75.9	75.9	76.2	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 500	74.1	76.6	77.7	77.8	77.8	77.8	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 450	74.1	76.7	77.8	78.0	78.0	78.0	78.2	78.2	78.2	78.5	78.5	78.5	78.5	78.5	78.6	78.6
≥ 400	74.7	77.4	78.5	78.6	78.6	78.6	78.9	78.9	78.9	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 350	75.7	78.4	79.4	79.7	79.7	79.7	80.0	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.5	80.5
≥ 300	75.9	78.6	79.8	80.4	80.4	80.4	80.6	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.2	81.2
≥ 250	76.1	78.9	80.1	80.6	80.6	80.6	80.9	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.5	81.5
≥ 200	77.6	80.6	81.9	82.4	82.5	82.5	82.8	82.8	82.8	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 180	77.7	80.8	82.0	82.5	82.7	82.7	82.9	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.5	83.5
≥ 150	78.1	81.2	82.5	83.1	83.2	83.2	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	84.0	84.0
≥ 120	78.9	82.0	83.3	83.9	84.1	84.1	84.4	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.9	84.9
≥ 100	79.8	82.9	84.4	84.9	85.3	85.3	85.6	85.6	85.6	86.2	86.2	86.2	86.2	86.2	86.3	86.3
≥ 90	80.4	83.5	84.9	85.5	86.0	86.0	86.3	86.4	86.4	86.8	86.8	86.8	86.8	86.8	87.0	87.0
≥ 80	80.6	83.9	85.5	86.0	86.6	86.6	86.8	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.5	87.5
≥ 70	81.2	84.8	86.4	87.0	87.5	87.5	87.8	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.4	88.4
≥ 60	81.3	85.3	87.1	87.8	88.3	88.3	88.6	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.4	89.4
≥ 50	81.3	85.5	87.2	88.0	88.6	88.6	88.8	89.2	89.2	89.8	89.8	89.8	89.8	89.8	89.9	89.9
≥ 40	81.6	86.0	87.9	88.7	89.5	89.5	90.2	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 30	81.6	86.2	88.0	89.2	90.1	90.3	91.0	91.7	91.7	92.6	92.7	92.7	92.7	92.7	92.9	92.9
≥ 20	81.6	86.3	88.3	89.7	90.5	90.7	91.5	92.5	92.6	93.8	94.8	94.8	95.3	95.3	95.8	96.1
≥ 10	81.6	86.3	88.3	89.7	90.5	90.7	91.5	92.5	92.6	94.2	95.3	95.3	96.1	96.2	98.1	99.2
≥ 0	81.6	86.3	88.3	89.7	90.5	90.7	91.5	92.5	92.6	94.2	95.3	95.3	96.1	96.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 47

AMARILLO MAP TX

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	56.2	57.8	58.2	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.9
≥ 18000 IV 18000	62.2	64.4	65.2	65.5	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.4
IV 16000	62.8	65.1	65.9	66.1	66.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.2
IV 14000 IV 12000	63.6	65.9	66.7	66.9	67.2	67.3	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0
IV 10000 IV 9000	65.2	67.5	68.3	68.5	68.8	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.6
IV 8000 IV 7000	67.6	70.0	70.8	71.1	71.4	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.2
IV 6000 IV 5000	70.2	73.3	74.1	74.3	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.5
IV 4500 IV 4000	70.6	73.8	74.7	75.1	75.5	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.3
IV 3500 IV 3000	70.8	74.2	75.1	75.5	75.9	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.7
IV 2500 IV 2000	71.9	75.3	76.2	76.6	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.8
IV 1800 IV 1500	72.0	75.5	76.6	77.0	77.4	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.2
IV 1200 IV 1000	72.6	76.1	77.4	77.8	78.2	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.0
IV 900 IV 800	73.0	76.5	77.8	78.2	78.6	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.6
IV 700 IV 600	73.1	76.6	78.1	78.6	79.0	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.0
IV 500 IV 400	73.1	76.6	78.1	78.6	79.0	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.0
IV 300 IV 200	74.2	78.1	80.0	80.6	81.2	81.6	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.5
IV 100 0	74.3	78.2	80.1	80.8	81.3	81.7	82.0	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.7
	74.7	79.0	80.9	81.6	82.3	82.7	83.1	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.9
	75.4	80.0	81.9	82.5	83.3	83.7	84.1	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	85.1
	75.4	80.0	81.9	82.5	83.3	83.7	84.1	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.5
	75.5	80.2	82.1	82.8	83.6	84.0	84.4	85.1	85.1	85.9	85.9	85.9	85.9	85.9	85.9	86.3
	75.9	80.8	82.7	83.3	84.1	84.5	84.9	85.6	85.6	86.4	86.4	86.4	86.4	86.4	86.4	86.8
	75.9	81.2	83.3	84.0	84.8	85.2	85.8	86.4	86.4	87.4	87.4	87.4	87.4	87.4	87.4	87.8
	76.1	81.3	83.5	84.4	85.3	85.8	86.3	87.1	87.1	88.2	88.2	88.2	88.2	88.2	88.2	88.6
	76.1	81.5	83.6	84.5	85.6	86.0	86.7	87.6	87.6	88.8	88.8	88.8	88.8	88.8	88.8	89.2
	76.1	81.5	83.6	84.5	85.6	86.3	87.6	88.8	88.8	90.1	90.1	90.1	90.3	90.3	90.3	91.0
	76.2	81.7	83.9	84.8	85.9	86.6	88.3	89.9	89.9	91.7	92.1	92.1	92.6	92.6	92.6	93.3
	76.2	81.7	83.9	84.9	86.2	86.8	88.6	90.7	90.7	92.7	93.3	93.3	94.2	94.5	95.8	96.6
	76.2	81.7	83.9	84.9	86.2	86.8	88.6	90.7	90.7	92.7	93.3	93.3	95.0	95.3	98.4	99.6
	76.2	81.7	83.9	84.9	86.2	86.8	88.6	90.7	90.7	92.7	93.3	93.3	95.0	95.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AT & WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMAPILLO MAP TX

74-81

JAN

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥1/16	≥0	≥0	
NO CEILING ≥ 2000	60.6	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7
≥ 1800 ≥ 1600	67.6	69.2	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8
≥ 1400 ≥ 1200	68.8	70.6	70.7	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1
≥ 1000 ≥ 900	72.7	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3
≥ 800 ≥ 700	75.8	78.2	78.4	78.5	78.8	78.8	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.2	79.2
≥ 600 ≥ 500	76.9	79.6	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6
≥ 450 ≥ 400	77.6	80.2	80.5	80.6	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3
≥ 350 ≥ 300	78.2	81.5	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5
≥ 250 ≥ 200	78.9	82.5	82.8	82.9	83.2	83.2	83.3	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
≥ 180 ≥ 150	79.4	83.3	83.7	84.0	84.3	84.3	84.4	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
≥ 120 ≥ 100	80.6	85.5	86.4	87.0	87.2	87.2	87.4	87.6	87.6	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0
≥ 90 ≥ 80	81.2	86.8	87.8	88.4	89.0	89.4	89.9	90.2	90.2	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7
≥ 70 ≥ 60	81.2	87.4	88.4	89.9	90.7	91.1	91.8	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6
≥ 50 ≥ 40	81.5	88.2	89.9	91.8	93.0	93.4	94.5	94.8	94.8	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8
≥ 30 ≥ 20	81.5	88.2	89.9	91.8	93.1	93.5	94.9	95.6	95.6	97.4	97.4	97.4	97.6	97.6	97.7	97.7	97.7
≥ 10 0	81.5	88.2	89.9	91.8	93.1	93.5	94.9	95.8	95.8	97.8	97.8	97.8	98.8	98.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	61.7	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 20000	70.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	70.8	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	70.8	72.2	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
≥ 14000	71.6	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 12000	72.4	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 10000	74.6	76.6	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
≥ 9000	74.9	76.9	77.0	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
≥ 8000	77.3	79.6	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1
≥ 7000	78.4	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2
≥ 6000	78.6	80.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5
≥ 5000	79.3	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4500	79.3	82.0	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	80.1	82.9	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	80.2	83.3	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	80.6	83.7	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	81.2	84.4	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	82.0	85.3	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1800	82.3	85.8	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500	82.5	87.0	87.8	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	83.1	88.4	89.5	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000	83.2	89.0	89.9	90.6	91.1	91.1	91.1	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	83.2	89.2	90.2	91.0	91.5	91.5	91.5	91.5	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	83.2	89.5	90.9	92.1	92.7	92.7	92.9	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	83.2	89.5	91.3	92.6	93.5	93.5	93.7	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	83.2	90.1	91.9	93.3	94.4	94.4	94.8	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	83.2	90.1	91.9	93.3	94.4	94.4	95.0	95.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400	83.2	90.2	92.1	93.5	94.8	94.8	95.7	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 300	83.2	90.2	92.1	93.5	94.8	94.8	95.8	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.3
≥ 200	83.2	90.2	92.1	93.5	94.8	94.8	95.8	96.5	96.5	97.8	97.8	97.8	97.8	98.8	98.9	99.1
≥ 100	83.2	90.2	92.1	93.5	94.8	94.8	95.8	96.5	96.5	97.8	97.8	97.8	97.8	98.8	98.9	99.3
≥ 0	83.2	90.2	92.1	93.5	94.8	94.8	95.8	96.5	96.5	97.8	97.8	97.8	97.8	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	64.8	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 20000	72.8	74.6	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
≥ 18000	72.8	74.6	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
≥ 16000	73.1	74.9	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	74.3	76.1	76.3	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
≥ 12000	75.4	77.3	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	77.4	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	77.4	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	78.9	80.9	81.3	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
≥ 7000	79.6	81.6	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
≥ 6000	79.7	81.7	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
≥ 5000	80.8	82.9	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
≥ 4500	80.8	83.2	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
≥ 4000	81.6	84.0	84.4	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
≥ 3500	82.1	84.7	85.1	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
≥ 3000	82.5	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	82.9	85.6	86.2	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
≥ 2000	83.5	86.3	87.0	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
≥ 1800	83.6	86.4	87.1	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
≥ 1500	84.0	87.1	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	84.3	88.0	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	84.8	89.1	89.9	90.2	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	84.9	89.5	90.3	90.6	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	85.1	89.9	90.9	91.3	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	85.2	90.2	91.5	92.1	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	85.3	90.6	92.2	92.7	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 500	85.3	91.1	92.7	94.1	94.9	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	85.3	91.3	92.9	94.5	95.3	95.4	95.4	95.4	95.7	95.8	95.8	95.8	95.8	96.0	96.0	96.0
≥ 300	85.3	91.3	92.9	94.8	95.6	95.7	95.7	95.7	96.1	96.4	96.4	96.6	96.6	96.6	96.8	97.0
≥ 200	85.3	91.3	92.9	94.8	95.6	95.7	95.7	95.7	96.4	96.6	96.6	96.6	97.6	97.6	97.6	98.8
≥ 100	85.3	91.3	92.9	94.8	95.6	95.7	95.7	95.7	96.4	96.6	96.6	96.6	97.6	97.6	97.6	99.7
≥ 0	85.3	91.3	92.9	94.8	95.6	95.7	95.7	95.7	96.4	96.6	96.6	96.6	97.6	97.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	63.4	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥ 20000	70.6	71.6	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2
≥ 18000	70.8	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥ 16000	70.8	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥ 14000	72.3	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 12000	73.7	74.7	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3
≥ 10000	75.9	77.0	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	77.6
≥ 9000	75.9	77.0	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	77.6
≥ 8000	77.2	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	78.9
≥ 7000	77.7	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	79.3	79.4
≥ 6000	77.8	79.0	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	79.6
≥ 5000	78.9	80.1	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	80.6
≥ 4500	79.2	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 4000	79.4	80.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2
≥ 3500	80.0	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7
≥ 3000	80.2	81.7	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	82.4
≥ 2500	80.6	82.1	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8
≥ 2000	80.9	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5
≥ 1800	81.2	83.1	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9
≥ 1500	82.5	84.4	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 1200	83.1	85.5	85.9	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
≥ 1000	83.7	86.3	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	87.4
≥ 900	84.1	86.8	87.4	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
≥ 800	84.1	87.1	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 700	84.5	87.6	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
≥ 600	85.3	88.6	89.9	90.7	90.9	91.0	91.0	91.0	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.4
≥ 500	85.8	89.8	91.1	91.9	92.1	92.3	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7
≥ 400	86.0	90.6	92.2	93.0	93.5	93.8	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.5
≥ 300	86.0	90.9	92.7	94.0	94.5	94.8	95.0	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.6
≥ 200	86.0	90.9	92.7	94.0	94.6	94.9	95.2	95.4	95.6	96.4	96.5	96.5	96.6	96.6	96.9	97.0
≥ 100	86.0	90.9	92.7	94.0	94.6	94.9	95.2	95.4	95.6	96.8	97.3	97.3	98.8	98.8	99.6	99.7
≥ 0	86.0	90.9	92.7	94.0	94.6	94.9	95.2	95.4	95.6	96.8	97.3	97.3	98.8	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

JAN  
 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	61.2	62.2	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	68.1	69.5	69.8	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
≥ 18000	68.3	69.7	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5
≥ 16000	68.4	69.9	70.2	70.4	70.4	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7
≥ 14000	69.4	70.8	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.7
≥ 12000	70.5	72.0	72.4	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.9
≥ 10000	72.7	74.4	74.7	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.3
≥ 9000	72.9	74.6	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.5
≥ 8000	74.8	76.8	77.2	77.4	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8
≥ 7000	75.4	77.4	77.8	78.0	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.4	78.5
≥ 6000	75.8	77.9	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9	79.0
≥ 5000	76.7	78.9	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.1
≥ 4500	76.9	79.2	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.4
≥ 4000	77.5	79.9	80.4	80.7	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.1
≥ 3500	78.0	80.5	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.8
≥ 3000	78.3	80.8	81.5	81.8	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.3
≥ 2500	78.7	81.3	81.9	82.3	82.4	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.8
≥ 2000	79.5	82.3	83.0	83.4	83.6	83.6	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥ 1800	79.6	82.5	83.2	83.6	83.8	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.2
≥ 1500	80.3	83.4	84.2	84.7	84.9	84.9	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3
≥ 1200	80.9	84.5	85.4	85.9	86.2	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.7
≥ 1000	81.3	85.2	86.2	86.7	87.1	87.2	87.4	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.8	87.9
≥ 900	81.6	85.6	86.6	87.2	87.6	87.7	87.9	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.4	88.5
≥ 800	81.7	86.1	87.2	87.9	88.3	88.4	88.7	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.2
≥ 700	82.0	86.5	87.8	88.6	89.1	89.2	89.5	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.1
≥ 600	82.3	87.1	88.5	89.5	90.1	90.3	90.6	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.3	91.3
≥ 500	82.3	87.4	89.0	90.2	90.9	91.0	91.4	91.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.4
≥ 400	82.5	87.9	89.6	90.9	91.7	91.9	92.6	93.1	93.1	93.7	93.7	93.7	93.7	93.7	93.8	93.9
≥ 300	82.5	88.1	89.9	91.4	92.3	92.6	93.4	94.0	94.0	94.9	95.0	95.0	95.0	95.1	95.1	95.3
≥ 200	82.5	88.2	89.9	91.5	92.5	92.8	93.6	94.5	94.5	96.0	96.2	96.2	96.2	96.8	96.8	97.5
≥ 100	82.5	88.2	89.9	91.5	92.5	92.8	93.7	94.5	94.6	96.2	96.6	96.6	96.6	97.5	97.6	99.6
≥ 0	82.5	88.2	89.9	91.5	92.5	92.8	93.7	94.5	94.6	96.2	96.6	96.6	96.6	97.5	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

000-0200  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥⅜	≥⅜	≥0
NO CEILING ≥ 20000	67.1	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2	69.2	69.3	69.3	69.8	69.8
IV ≥ 18000	70.9	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	73.6	73.6	74.0	74.0
IV ≥ 16000	70.9	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	73.6	73.6	74.0	74.0
IV ≥ 14000	71.1	73.0	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.7	73.7	74.2	74.2
IV ≥ 12000	71.5	73.5	73.7	73.7	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.2	74.2	74.6	74.6
IV ≥ 10000	73.6	75.5	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.3	76.3	76.7	76.7
IV ≥ 9000	73.7	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.8	76.8
IV ≥ 8000	74.9	76.8	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.6	77.6	78.0	78.0
IV ≥ 7000	75.1	77.1	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.9	77.9	78.3	78.3
IV ≥ 6000	75.5	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.8	78.8
IV ≥ 5000	75.8	78.0	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.8	78.8	79.2	79.2
IV ≥ 4500	76.4	78.6	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.4	79.4	79.8	79.8
IV ≥ 4000	76.7	78.9	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	80.1	80.1
IV ≥ 3500	77.1	79.4	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	80.1	80.1	80.5	80.5
IV ≥ 3000	77.1	79.4	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	80.1	80.1	80.5	80.5
IV ≥ 2500	77.1	79.5	79.8	79.9	80.1	80.1	80.2	80.2	80.2	80.4	80.4	80.4	80.5	80.5	81.0	81.0
IV ≥ 2000	77.9	80.2	80.7	80.8	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.6	81.6	82.0	82.0
IV ≥ 1800	77.9	80.2	80.7	80.8	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.6	81.6	82.0	82.0
IV ≥ 1500	78.5	81.1	81.6	81.7	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.9	82.9
IV ≥ 1200	79.2	82.0	82.6	83.0	83.3	83.3	83.5	83.5	83.5	83.6	83.6	83.6	83.8	83.8	84.2	84.2
IV ≥ 1000	79.4	83.0	83.8	84.4	84.7	84.7	84.8	84.8	84.8	85.0	85.0	85.0	85.1	85.1	85.5	85.5
IV ≥ 900	79.5	83.3	84.1	85.0	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.5	85.7	85.7	86.1	86.1
IV ≥ 800	79.5	83.5	84.5	85.5	85.8	85.8	86.0	86.0	86.0	86.1	86.1	86.1	86.3	86.3	86.7	86.7
IV ≥ 700	79.9	84.1	85.1	86.1	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.9	86.9	87.3	87.3
IV ≥ 600	79.9	84.1	85.1	86.3	86.6	86.6	86.7	86.7	86.7	86.9	86.9	86.9	87.0	87.0	87.5	87.5
IV ≥ 500	80.2	85.0	86.0	87.5	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.8	88.8
IV ≥ 400	80.5	85.8	87.0	88.8	89.7	89.7	89.8	89.8	89.8	90.3	90.3	90.3	90.4	90.4	90.9	90.9
IV ≥ 300	80.5	85.8	87.0	88.9	90.0	90.0	90.6	90.6	90.6	91.4	91.4	91.4	91.9	91.9	92.3	92.3
IV ≥ 200	80.5	85.8	87.2	89.4	90.6	90.6	91.3	91.3	91.3	92.2	92.3	92.3	93.1	93.1	93.5	93.5
IV ≥ 100	80.5	85.8	87.2	89.4	90.6	90.6	91.4	91.4	91.4	92.6	92.9	92.9	94.0	94.0	96.2	97.9
IV ≥ 0	80.5	85.8	87.2	89.4	90.6	90.6	91.4	91.4	91.4	92.6	93.1	93.1	94.1	94.1	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 678

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMAPILLO MAP TX

74-81

FEE

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥1/16	≥0	≥0	
NO CEILING ≥ 20000	63.9	64.7	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	66.2	66.4
≥ 18000	68.7	69.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4	71.1	71.2
≥ 16000	68.7	69.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4	71.1	71.2
≥ 14000	69.0	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	71.4	71.5
≥ 12000	69.8	70.6	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	72.1	72.3
≥ 10000	71.5	72.4	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.2	73.2	73.9	74.0
≥ 9000	71.8	72.7	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5	74.2	74.3
≥ 8000	73.3	74.2	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.7	75.8
≥ 7000	73.3	74.2	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.7	75.8
≥ 6000	73.5	74.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.8	76.0
≥ 5000	73.6	74.6	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4	75.4	76.1	76.3
≥ 4500	74.2	75.2	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.7	76.8
≥ 4000	74.5	75.8	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.0	77.1	77.1	77.9	78.0
≥ 3500	75.1	76.4	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.9	77.9	78.6	78.8
≥ 3000	75.1	76.7	77.6	77.7	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.2	78.2	78.9	79.1
≥ 2500	75.2	77.0	77.8	78.2	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.9	78.9	79.6	79.8
≥ 2000	76.0	78.2	79.1	79.5	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.2	80.2	80.2	81.0	81.1
≥ 1800	76.3	78.5	79.4	79.8	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.5	80.5	81.3	81.4
≥ 1500	76.4	78.8	79.6	80.2	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	81.0	81.0	81.0	81.7	81.9
≥ 1200	76.4	79.1	80.2	80.8	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.6	81.6	82.3	82.4
≥ 1000	77.1	80.1	81.3	82.0	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.7	82.7	83.5	83.6
≥ 900	77.4	80.7	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.3	83.3	84.1	84.2
≥ 800	77.4	80.8	82.0	82.9	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.6	83.6	84.4	84.5
≥ 700	77.7	82.0	83.2	84.1	84.5	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.8	84.8	85.5	85.8
≥ 600	77.9	83.0	84.2	85.3	85.7	85.7	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.9	87.2
≥ 500	77.9	83.3	84.7	85.8	86.3	86.3	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.7	86.7	87.5	87.9
≥ 400	78.0	83.8	85.3	86.6	87.6	87.6	87.9	87.9	87.9	88.6	88.6	88.6	88.6	88.8	88.8	89.5	90.0
≥ 300	78.0	84.1	85.7	87.5	88.8	88.8	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.1	90.1	90.9	91.3
≥ 200	78.2	84.2	85.8	87.8	89.4	89.4	90.3	90.3	90.3	91.4	91.4	91.4	91.4	91.6	91.6	92.5	92.9
≥ 100	78.2	84.2	85.8	87.8	89.4	89.4	90.3	90.3	90.3	91.7	91.7	91.7	91.7	91.9	91.9	92.8	93.3
≥ 0	78.2	84.2	85.8	87.8	89.4	89.4	90.3	90.3	90.3	91.7	91.7	91.7	91.7	91.9	91.9	92.8	93.3

TOTAL NUMBER OF OBSERVATIONS 678

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23247

AMARILLO MAP TX

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-2800  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0	
NO CEILING	60.0	62.5	62.8	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.3	63.3	63.4	63.7
≥ 20000	66.1	68.7	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.6	69.9
≥ 18000	66.1	68.7	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.6	69.9
≥ 16000	66.4	69.0	69.3	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8	69.9	70.2
≥ 14000	66.7	69.3	69.6	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.2	70.5
≥ 12000	67.3	70.1	70.4	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.9	71.2
≥ 10000	69.3	72.1	72.4	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	73.0	73.0	73.2	73.5
≥ 9500	69.5	72.3	72.6	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.2	73.5
≥ 8000	70.9	73.7	74.0	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.6	75.1
≥ 7000	71.1	73.9	74.2	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.9	75.4
≥ 6000	71.1	73.9	74.2	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.9	75.4
≥ 5000	71.2	74.3	74.6	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.4	75.8
≥ 4500	72.0	75.1	75.4	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.1	76.5
≥ 4000	72.1	75.8	76.3	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.1	77.6
≥ 3500	72.4	76.5	77.0	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.9	78.3
≥ 3000	72.6	76.7	77.1	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9	78.0	78.5
≥ 2500	72.9	77.1	77.7	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.6	79.1
≥ 2000	73.3	77.7	78.3	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.1	79.2	79.6
≥ 1800	73.7	78.2	78.8	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.6	80.1
≥ 1500	74.0	78.5	79.1	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	80.1	80.5
≥ 1200	74.3	79.6	80.2	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.3	81.7
≥ 1000	75.5	80.8	81.6	82.3	82.3	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9	83.0	83.5
≥ 900	75.5	80.8	81.6	82.3	82.3	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9	83.0	83.5
≥ 800	75.5	81.1	81.9	82.6	82.6	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.3	83.8
≥ 700	75.8	81.7	82.4	83.2	83.2	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.8	83.8	83.9	84.4
≥ 600	76.0	82.0	83.2	84.1	84.1	84.2	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	85.0	85.4
≥ 500	76.0	82.3	83.9	85.0	85.0	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.7	85.7	86.0	86.4
≥ 400	76.0	83.0	84.8	85.8	86.1	86.3	86.6	87.2	87.2	87.3	87.3	87.3	87.3	87.5	87.5	87.8	88.2
≥ 300	76.0	83.2	85.0	86.4	86.9	87.0	87.3	88.3	88.3	88.9	88.9	88.9	88.9	89.5	89.5	89.8	90.3
≥ 200	76.0	83.3	85.1	86.6	87.0	87.2	87.5	88.6	88.6	90.3	90.6	90.6	90.6	91.3	91.3	91.9	92.3
≥ 100	76.0	83.3	85.1	86.6	87.0	87.2	87.6	88.8	88.8	91.0	91.3	91.3	91.3	92.8	92.8	95.3	97.2
≥ 0	76.0	83.3	85.1	86.6	87.0	87.2	87.6	88.8	88.8	91.0	91.3	91.3	91.3	93.1	93.1	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	59.9	62.5	63.0	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.9
IV ≥ 18000 6700	65.9	68.7	69.2	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1
IV ≥ 14000 12000	66.5	69.3	69.8	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6
IV ≥ 10000 9000	67.6	70.4	70.8	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7
IV ≥ 8000 7000	69.9	73.0	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
IV ≥ 6000 5000	69.9	73.0	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
IV ≥ 4500 4000	71.2	74.5	74.9	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
IV ≥ 3500 3000	72.0	75.5	76.1	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0
IV ≥ 2500 2000	72.4	76.1	77.0	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9
IV ≥ 1800 1500	72.6	76.4	77.3	77.9	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
IV ≥ 1200 1000	72.6	76.5	77.4	78.2	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
IV ≥ 900 800	72.6	76.5	77.4	78.2	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
IV ≥ 700 600	72.7	77.0	77.9	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1
IV ≥ 500 400	72.9	77.3	78.2	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5
IV ≥ 300 200	73.7	78.6	79.5	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.0
IV ≥ 100 U	73.7	78.6	79.6	81.0	81.1	81.1	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.6
	74.2	79.9	81.1	82.6	82.7	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.2
	74.6	80.8	82.0	83.5	83.6	83.6	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.4
	75.1	81.9	83.2	84.7	84.8	84.8	85.3	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.1
	75.1	81.9	83.3	84.8	85.0	85.0	85.5	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.4
	75.2	82.3	83.9	85.8	86.0	86.0	86.6	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.6
	75.2	82.4	84.4	86.3	86.6	86.6	87.2	87.8	87.8	88.2	88.5	88.5	88.5	88.5	88.5	88.6
	75.4	82.9	84.8	86.7	87.0	87.0	87.8	88.3	88.3	88.8	89.1	89.1	89.1	89.1	89.1	89.2
	75.4	82.9	85.3	87.3	87.9	87.9	88.6	89.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.9
	75.4	83.0	85.4	87.5	88.2	88.2	89.4	90.7	90.7	91.4	92.2	92.2	92.3	92.3	92.6	92.8
	75.4	83.0	85.4	87.5	88.2	88.2	89.4	90.7	90.7	91.9	93.1	93.1	94.0	94.0	94.5	94.8
	75.4	83.0	85.4	87.5	88.2	88.2	89.4	90.7	90.7	92.2	93.4	93.4	95.0	95.0	96.6	98.1
	75.4	83.0	85.4	87.5	88.2	88.2	89.4	90.7	90.7	92.2	93.4	93.4	95.0	95.0	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 678

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

FEB  
 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	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	64.6	67.0	67.1	67.4	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 18000 V 5000	70.1	72.6	72.7	73.0	73.6	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000 V 2000	70.4	72.9	73.0	73.3	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000 V 9000	72.6	75.4	75.5	75.8	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 8000 V 7000	73.9	76.8	77.0	77.3	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000 V 5000	75.7	78.8	78.9	79.2	79.8	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4500 V 4000	76.3	79.8	79.9	80.2	80.8	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500 V 3000	77.0	80.7	80.8	81.1	81.7	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2500 V 2000	78.8	82.7	83.0	83.3	83.9	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800 V 1500	79.2	83.3	83.6	83.9	84.5	84.8	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1200 V 1000	80.4	85.3	85.8	86.6	87.3	87.8	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 900 V 800	80.4	85.3	85.8	86.6	87.3	87.8	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 700 V 600	80.4	86.1	86.9	87.8	88.8	89.2	89.8	90.0	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6
IV 500 V 400	80.4	86.4	87.6	88.9	90.6	91.0	91.7	91.9	91.9	92.3	92.5	92.5	92.5	92.5	92.5	92.5
IV 300 V 200	80.4	86.6	87.9	89.7	91.6	92.0	93.5	94.0	94.0	95.3	95.6	95.6	95.7	95.7	95.9	95.9
IV 100 V 0	80.4	86.6	87.9	89.7	91.6	92.0	93.7	94.2	94.2	95.9	96.6	96.6	97.2	97.6	98.5	99.7

TOTAL NUMBER OF OBSERVATIONS 670

# CEILING VERSUS VISIBILITY

2747  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

FEB  
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	¾	¾	≥3/16	≥¼	≥0			
NO CEILING ≥ 20000	64.5	66.1	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000 IV 16000	72.3	73.9	74.8	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4
IV 14000 IV 12000	72.4	74.0	74.9	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000 IV 9000	72.7	74.3	75.2	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000 IV 7000	73.2	74.8	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3
IV 6000 IV 5000	75.2	77.3	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8
IV 4500 IV 4000	76.4	78.5	79.4	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
IV 3500 IV 3000	77.4	79.6	80.5	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
IV 2500 IV 2000	78.3	80.5	81.4	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2
IV 1800 IV 1500	78.3	80.5	81.4	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
IV 1200 IV 1000	78.5	80.8	81.7	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
IV 900 IV 800	79.4	82.0	82.9	83.0	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1
IV 700 IV 600	79.8	82.4	83.3	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5
IV 500 IV 400	80.8	83.8	84.7	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8
IV 300 IV 200	81.9	84.8	85.8	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0
IV 100 IV 0	82.2	85.4	86.4	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6
	82.3	85.5	86.6	86.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.9	87.9	87.9	87.9	87.9	87.9
	82.3	86.3	87.5	87.8	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.1	89.1	89.1	89.1	89.1	89.1
	82.7	87.0	88.2	88.6	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.0
	83.2	87.9	89.2	89.7	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.2	91.2	91.2	91.2	91.2	91.2
	83.2	88.3	90.0	90.6	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	92.0	92.0	92.0	92.0	92.0	92.0
	83.2	88.3	90.0	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.2	92.2	92.2	92.2	92.2	92.2
	83.2	88.5	90.3	91.0	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5
	83.2	88.9	90.7	91.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.1	93.1	93.1	93.1	93.1	93.1
	83.2	89.2	91.2	92.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0
	83.2	89.7	91.7	92.8	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	95.1	95.1	95.1	95.1	95.1	95.1
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.6	95.6	95.6	95.6	95.6	95.6
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.9	95.9	95.9	95.9	95.9	95.9
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	96.0	96.0	96.0	96.0	96.0	96.0
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	96.3	96.3	96.3	96.3	96.3	96.3
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	96.6	96.6	96.6	96.6	96.6	96.6
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	97.1	97.1	97.1	97.1	97.1	97.1
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	97.9	97.9	97.9	97.9	97.9	97.9
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	98.4	98.4	98.4	98.4	98.4	98.4
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	99.7	99.7	99.7	99.7	99.7	99.7
	83.2	89.7	91.7	92.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 67



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.3	66.5	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67
IV 20000	70.8	74.0	74.3	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74
IV 18000	70.9	74.2	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74
IV 16000	70.9	74.2	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74
IV 14000	71.8	75.1	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75
IV 12000	72.7	76.1	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76
IV 10000	75.1	78.6	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79
IV 9000	75.2	78.8	79.1	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79
IV 8000	77.1	80.7	81.0	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
IV 7000	77.6	81.1	81.4	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
IV 6000	78.0	81.6	81.9	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
IV 5000	79.4	83.0	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83
IV 4500	79.4	83.0	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83
IV 4000	80.1	83.9	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85
IV 3500	80.4	84.2	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85
IV 3000	81.0	84.8	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85
IV 2500	81.1	85.1	85.5	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
IV 2000	82.0	86.1	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87
IV 1800	82.2	86.6	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87
IV 1500	82.3	87.5	87.9	88.5	88.6	88.6	88.6	88.6	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88
IV 1200	82.6	88.2	88.6	89.4	89.7	89.7	89.8	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90
IV 1000	83.0	88.8	89.5	90.3	90.6	90.6	90.7	90.7	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91
IV 900	83.6	89.7	90.4	91.2	91.4	91.4	91.6	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91
IV 800	83.6	90.0	90.7	91.4	91.7	91.7	91.9	91.9	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92
IV 700	83.6	90.1	91.3	92.0	92.3	92.3	92.5	92.5	92.5	92.6	92.9	92.9	92.9	92.9	92.9	92
IV 600	83.6	90.4	91.6	92.5	92.8	92.8	92.9	92.9	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93
IV 500	83.9	90.9	92.0	93.1	93.7	93.7	93.8	93.8	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94
IV 400	84.2	91.2	92.5	93.8	94.4	94.4	94.8	94.8	94.8	95.1	95.4	95.4	95.6	95.6	95.6	95
IV 300	84.2	91.4	92.9	94.2	94.8	94.8	95.4	95.4	95.4	96.2	96.5	96.5	96.6	96.6	96.6	96
IV 200	84.2	91.6	93.1	94.4	95.0	95.0	95.6	95.6	95.6	96.3	96.8	96.8	97.1	97.1	97.1	97
IV 100	84.2	91.6	93.1	94.4	95.0	95.0	95.6	95.6	95.6	96.6	97.1	97.1	97.3	97.3	97.5	98.2
IV 0	84.2	91.6	93.1	94.4	95.0	95.0	95.6	95.6	95.6	96.6	97.1	97.1	97.3	97.5	98.2	100

TOTAL NUMBER OF OBSERVATIONS 6

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

FEB  
 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	¾	¾	≥5/16	¾	≥0
NO CEILING	67.8	68.9	69.2	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 20000	72.9	74.2	74.5	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 18000	72.9	74.2	74.5	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 16000	72.9	74.2	74.5	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 14000	73.7	75.1	75.4	75.5	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 12000	74.6	76.1	76.4	76.5	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 10000	76.0	77.4	77.7	77.9	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 9500	76.1	77.6	77.9	78.0	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.5
IV 8000	76.8	78.3	78.6	78.8	78.8	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2
IV 7000	77.9	79.4	79.6	79.8	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2
IV 6000	78.6	80.1	80.4	80.5	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.0
IV 5000	79.2	80.8	81.1	81.3	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
IV 4500	79.5	81.1	81.4	81.6	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
IV 4000	80.5	82.2	82.6	82.7	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2
IV 3500	80.8	82.4	82.9	83.2	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6
IV 3000	81.3	82.9	83.5	83.8	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2
IV 2500	81.4	83.0	83.6	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.4
IV 2000	81.9	83.9	84.5	85.0	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4
IV 1800	81.9	83.9	84.5	85.0	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4
IV 1500	82.4	85.1	85.8	86.3	86.3	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
IV 1200	83.5	86.7	87.5	87.9	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5
IV 1000	83.9	87.3	88.1	88.5	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.1	89.1	89.1
IV 900	84.1	87.6	88.8	89.2	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8
IV 800	84.7	88.2	89.5	90.0	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6
IV 700	84.8	88.8	90.1	90.6	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.2	91.2	91.2
IV 600	85.1	89.1	90.4	91.0	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6
IV 500	85.5	90.6	91.9	92.6	93.1	93.2	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.7	93.7	93.7
IV 400	85.7	91.0	92.5	93.7	94.1	94.2	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.7	94.7	94.7
IV 300	85.7	91.0	92.6	93.8	94.2	94.4	94.5	94.5	94.5	94.5	95.0	95.0	95.0	95.1	95.1	95.1
IV 200	85.7	91.2	92.8	94.0	94.4	94.5	94.8	94.8	94.8	94.8	95.3	95.3	95.3	96.0	96.0	96.2
IV 100	85.7	91.2	92.8	94.0	94.4	94.5	94.8	94.8	94.8	94.8	95.6	95.7	95.7	97.2	97.2	97.9
IV 0	85.7	91.2	92.8	94.0	94.4	94.5	94.8	94.8	94.8	94.8	95.6	95.7	95.7	97.2	97.2	97.9

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
STATION

AMAPILLO MAP TX  
STATION NAME

74-81  
YEARS

FEB  
MONTH

## 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	64.0	65.9	66.3	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0	67.1
IV 18000 16000	69.7	71.8	72.2	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	73.0	73.1
IV 14000 12000	70.2	72.4	72.8	73.0	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.5	73.6
IV 10000 9000	70.9	73.1	73.5	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.2	74.3
IV 8000 7000	72.9	75.2	75.6	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.4	76.4
IV 6000 5000	73.0	75.4	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.5	76.6
IV 4500 4000	74.3	76.7	77.1	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.9	77.9
IV 3500 3000	74.9	77.4	77.8	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.6	78.7
IV 2500 2000	75.4	77.9	78.3	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.1	79.2
IV 1800 1500	75.8	78.4	78.9	79.1	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.8	79.9
IV 1200 1000	76.1	78.8	79.2	79.5	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.1	80.2
IV 900 800	76.5	79.4	80.0	80.2	80.5	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.8	81.0	81.1
IV 700 600	76.9	79.9	80.4	80.7	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.5	81.6
IV 500 400	77.3	80.4	81.0	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	82.0	82.1
IV 300 200	77.8	81.0	81.6	82.0	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.8	82.9
IV 100 0	78.3	81.7	82.4	82.8	83.1	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.6	83.7
	78.4	81.9	82.5	83.0	83.3	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.9	84.0
	78.7	82.7	83.4	84.0	84.3	84.4	84.6	84.6	84.6	84.8	84.8	84.8	84.9	84.9	85.0	85.1
	79.2	83.6	84.4	85.1	85.4	85.5	85.7	85.8	85.8	85.9	86.0	86.0	86.0	86.0	86.2	86.3
	79.7	84.4	85.3	86.0	86.4	86.5	86.8	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.3	87.4
	79.8	84.7	85.7	86.5	86.9	87.0	87.2	87.3	87.3	87.4	87.5	87.5	87.6	87.6	87.7	87.8
	79.9	85.0	86.1	86.9	87.3	87.4	87.7	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.2	88.3
	80.1	85.5	86.7	87.6	88.0	88.1	88.4	88.5	88.5	88.6	88.7	88.7	88.8	88.8	89.0	89.1
	80.2	85.8	87.1	88.1	88.6	88.8	89.1	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.8	89.9
	80.3	86.3	87.8	89.0	89.6	89.7	90.1	90.2	90.2	90.4	90.5	90.5	90.6	90.6	90.8	90.9
	80.4	86.7	88.4	89.8	90.7	90.8	91.3	91.5	91.5	92.0	92.1	92.1	92.3	92.3	92.5	92.6
	80.4	86.9	88.8	90.1	91.1	91.3	91.9	92.3	92.3	93.0	93.2	93.2	93.5	93.5	93.8	93.9
	80.4	86.9	88.8	90.2	91.3	91.5	92.3	92.7	92.7	93.7	94.1	94.1	94.7	94.7	95.2	95.4
	80.4	86.9	88.8	90.2	91.3	91.5	92.3	92.7	92.7	94.0	94.5	94.5	95.5	95.5	97.2	98.3
	80.4	86.9	88.8	90.2	91.3	91.5	92.3	92.7	92.7	94.0	94.5	94.5	95.6	95.7	97.4	100.3

TOTAL NUMBER OF OBSERVATIONS 5424

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.47  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAR  
MONTH

## 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	≥¾	≥½	≥¼	≥0	≥0
NO CEILING	66.1	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	73.3	73.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	73.3	73.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	73.5	73.9	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 14000	73.9	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 12000	75.1	75.5	75.7	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	76.9	77.3	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 9000	77.4	77.8	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 8000	79.2	79.6	79.7	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
≥ 7000	79.6	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 6000	80.2	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 5000	82.5	83.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4500	83.1	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	83.6	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	84.0	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	84.3	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	84.5	85.6	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000	85.9	87.4	87.5	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
≥ 1800	86.4	88.0	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	87.1	89.1	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	88.2	90.3	90.5	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	89.0	91.4	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	89.2	91.9	92.1	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
≥ 800	89.4	92.3	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	89.9	93.0	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	90.1	93.3	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	90.1	93.5	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	90.2	94.1	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	90.2	94.1	95.3	96.1	96.1	96.1	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 200	90.2	94.1	95.4	96.5	96.6	96.6	96.9	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	90.2	94.1	95.4	96.5	96.6	96.6	96.9	97.0	97.0	98.3	98.4	98.4	99.1	99.1	99.5	99.5
≥ 0	90.2	94.1	95.4	96.5	96.6	96.6	96.9	97.0	97.0	98.3	98.4	98.4	99.1	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23847

AMARILLO MAP TX

74-81

MAR

STATION

STATION NAME

YEARS

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	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	63.6	65.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV ≥ 18000	69.5	71.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 16000	70.0	71.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 14000	70.4	72.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 12000	71.6	73.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	74.1	76.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 8000	74.7	76.7	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	75.0	77.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 6000	75.7	77.7	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	77.0	79.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4500	77.3	79.3	80.4	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 4000	77.6	79.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3500	77.6	79.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3000	78.2	80.6	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 2500	78.4	81.3	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2000	80.1	83.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800	80.4	83.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	82.1	85.5	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	86.8
IV 1200	83.6	87.4	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1000	84.5	88.6	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 900	84.9	89.2	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 800	85.1	89.7	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	85.5	90.2	91.8	91.8	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 600	85.8	90.6	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 500	85.9	90.9	92.6	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 400	86.2	91.4	93.4	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	86.2	91.7	93.8	94.1	94.4	94.5	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200	86.2	91.7	94.0	94.2	94.5	94.8	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 100	86.2	91.7	94.0	94.2	94.5	94.8	95.2	95.2	95.2	96.4	96.4	96.4	96.9	96.9	98.4	99.2
IV 0	86.2	91.7	94.0	94.2	94.5	94.8	95.2	95.2	95.2	96.4	96.4	96.4	96.9	96.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 US AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

MAR  
 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	≥¼	≥1/16	≥0	≥0
NO CEILING	61.4	62.5	63.8	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	67.1	68.4	69.8	70.3	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 18000	67.2	68.5	70.2	70.7	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000	67.3	68.7	70.3	70.8	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 14000	68.1	69.5	71.1	71.6	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 12000	69.2	70.6	72.2	72.7	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000	70.7	72.3	73.9	74.6	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000	71.0	72.6	74.2	74.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	71.9	73.5	75.1	75.8	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	72.4	74.1	75.7	76.3	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000	72.4	74.2	75.8	76.5	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	73.5	75.3	77.0	77.7	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4500	73.5	75.3	77.2	78.0	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	73.5	75.3	77.2	78.0	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500	73.8	75.5	77.4	78.2	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3000	73.8	75.5	77.4	78.5	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	75.3	77.3	79.2	80.2	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	76.1	78.5	80.5	81.9	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1800	76.3	78.9	80.9	82.4	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	76.6	79.7	81.7	83.3	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200	77.6	80.6	82.7	84.4	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	79.3	82.7	84.8	86.6	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 900	79.6	83.1	85.2	87.0	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 800	80.0	83.5	85.8	87.5	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	80.4	84.0	86.6	88.3	89.1	89.2	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8
≥ 600	80.6	84.7	87.2	89.2	90.1	90.2	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7
≥ 500	80.8	85.1	87.9	90.1	91.0	91.1	91.5	91.7	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9
≥ 400	80.8	85.2	88.2	90.7	91.7	91.8	92.3	92.7	92.7	92.7	92.9	93.0	93.0	93.1	93.1	93.1
≥ 300	80.8	85.3	88.3	90.9	92.1	92.2	92.7	93.3	93.3	93.3	94.0	94.4	94.4	94.6	94.8	94.8
≥ 200	80.8	85.3	88.3	91.0	92.6	92.7	93.3	93.8	93.8	93.8	94.6	95.0	95.0	95.7	96.0	96.1
≥ 100	80.8	85.3	88.3	91.0	92.6	92.7	93.4	94.0	94.0	94.0	95.2	95.7	95.7	97.3	97.6	98.5
≥ 0	80.8	85.3	88.3	91.0	92.6	92.7	93.4	94.0	94.0	94.0	95.2	95.7	95.7	97.4	97.7	98.9

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

MAP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	60.3	62.4	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 20000	67.7	70.0	70.2	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
≥ 18000	67.7	70.0	70.2	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
≥ 16000	67.9	70.2	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 14000	68.8	71.1	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 12000	69.1	71.4	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 10000	70.4	72.8	73.0	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
≥ 9500	70.4	73.0	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000	71.0	73.9	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 7000	71.1	74.3	74.5	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
≥ 6000	71.9	75.3	75.4	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
≥ 5000	72.4	75.8	75.9	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	72.6	76.1	76.2	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
≥ 4000	72.8	76.5	76.6	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3500	73.3	76.9	77.0	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	73.9	77.8	78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8
≥ 2500	75.0	78.9	79.2	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1
≥ 2000	75.8	80.2	80.6	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7
≥ 1800	76.5	80.9	81.3	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4
≥ 1500	76.7	81.6	82.1	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3
≥ 1200	77.3	82.8	83.5	84.4	84.5	84.8	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1
≥ 1000	78.4	84.3	85.2	86.3	86.4	86.7	86.8	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	78.6	84.8	85.9	87.0	87.4	87.6	87.8	87.8	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.0
≥ 800	79.0	86.0	87.1	88.2	88.6	88.8	89.1	89.1	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	79.2	86.4	87.8	89.2	89.9	90.2	90.5	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	79.2	86.8	88.2	89.9	90.6	90.9	91.1	91.1	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 500	79.2	87.2	88.7	90.7	91.5	91.8	92.1	92.2	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5
≥ 400	79.2	87.4	89.2	91.7	93.0	93.3	93.7	94.2	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥ 300	79.3	87.6	89.5	91.9	93.4	93.7	94.6	95.2	95.2	95.7	95.8	95.8	96.1	96.1	96.2	96.2
≥ 200	79.3	87.6	89.5	91.9	93.5	93.8	94.9	95.6	95.7	96.8	97.2	97.2	97.6	97.6	97.7	97.7
≥ 100	79.3	87.6	89.5	91.9	93.5	93.8	94.9	95.6	95.7	96.9	97.3	97.3	98.1	98.4	98.9	99.7
≥ 0	79.3	87.6	89.5	91.9	93.5	93.8	94.9	95.6	95.7	96.9	97.6	97.6	98.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAR  
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	≥½	≥¼	≥0	≥0	≥0
NO CEILING ≥ 20000	62.0	62.6	63.2	63.2	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000 IV 18000	70.0	71.1	71.6	71.6	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 16000	70.4	71.5	72.0	72.0	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 14000	70.7	71.8	72.3	72.3	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 12000	71.5	72.6	73.1	73.1	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 10000	73.0	74.2	74.7	74.7	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	73.1	74.3	74.9	74.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 8000	73.5	75.3	75.9	75.9	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	73.8	75.5	76.2	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000	74.5	76.2	76.9	76.9	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	75.5	77.3	78.1	78.1	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	75.7	77.6	78.4	78.4	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 4000	76.7	78.6	79.4	79.4	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	77.0	78.9	79.7	79.7	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 3000	78.1	80.1	80.9	80.9	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6
IV 2500	80.8	83.3	84.1	84.1	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8
IV 2000	82.4	85.8	86.6	86.6	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5
IV 1800	83.2	86.7	87.5	87.5	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4
IV 1500	83.9	87.5	88.3	88.3	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2
IV 1200	84.1	88.3	89.1	89.1	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1
IV 1000	84.9	89.7	90.7	91.0	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9
IV 900	85.1	89.9	91.0	91.3	91.8	91.8	91.9	91.9	91.9	91.9	92.1	92.2	92.2	92.2	92.2	92.2
IV 800	85.2	90.1	91.1	91.5	92.1	92.1	92.2	92.2	92.2	92.2	92.3	92.5	92.5	92.5	92.5	92.5
IV 700	85.5	90.3	91.5	92.2	92.9	92.9	93.3	93.3	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5
IV 600	85.6	91.0	92.2	93.1	93.8	93.8	94.2	94.4	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6
IV 500	85.6	91.1	92.5	93.4	94.2	94.2	94.6	94.8	94.8	94.8	95.2	95.3	95.3	95.3	95.3	95.3
IV 400	85.6	91.4	92.7	94.1	95.0	95.2	95.6	95.7	95.7	95.7	96.2	96.4	96.4	96.4	96.4	96.4
IV 300	85.6	91.4	92.7	94.4	95.4	95.6	96.0	96.2	96.2	96.2	97.3	97.4	97.4	97.4	97.4	97.6
IV 200	85.6	91.4	92.7	94.4	95.4	95.6	96.0	96.2	96.2	96.2	98.0	98.3	98.3	98.7	98.7	98.9
IV 100	85.6	91.4	92.7	94.4	95.4	95.6	96.0	96.2	96.2	96.2	98.0	98.3	98.3	98.7	98.7	99.5
IV 0	85.6	91.4	92.7	94.4	95.4	95.6	96.0	96.2	96.2	96.2	98.0	98.3	98.3	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.47

AMARILLO MAP TX

74-81

MAR

STATION

STATION NAME

YEARS

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	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IN 20000	57.3	59.5	60.6	61.4	61.7	61.7	62.0	62.2	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5
IN 18000	66.1	69.1	70.3	71.1	71.4	71.4	71.6	71.9	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2
IN 16000	66.4	69.5	70.7	71.5	71.8	71.8	72.0	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6
IN 14000	66.8	69.9	71.1	71.9	72.2	72.2	72.4	72.7	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0
IN 12000	68.3	71.4	72.6	73.4	73.7	73.7	73.9	74.2	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5
IN 10000	68.5	71.6	72.8	73.7	73.9	73.9	74.2	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7
IN 8000	69.6	73.0	74.2	75.0	75.3	75.3	75.5	75.8	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1
IN 7000	69.8	73.3	74.6	75.4	75.7	75.7	75.9	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5
IN 6000	70.6	74.3	75.7	76.5	76.7	76.7	77.0	77.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6
IN 5000	73.8	77.6	79.2	80.0	80.2	80.2	80.5	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0
IN 4500	74.7	78.6	80.2	81.0	81.3	81.3	81.6	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1
IN 4000	76.1	80.4	82.1	82.9	83.2	83.2	83.5	83.7	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0
IN 3500	77.6	81.9	83.6	84.4	84.7	84.7	84.9	85.2	85.2	85.3	85.5	85.5	85.5	85.5	85.5	85.5
IN 3000	79.8	84.1	85.9	86.7	87.0	87.0	87.2	87.5	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8
IN 2500	81.2	85.6	87.5	88.3	88.6	88.6	88.8	89.1	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4
IN 2000	82.4	87.1	89.0	89.8	90.3	90.3	91.0	91.3	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7
IN 1800	82.9	88.0	89.9	90.7	91.3	91.3	91.9	92.2	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6
IN 1500	83.3	88.8	90.7	91.5	92.1	92.1	92.7	93.1	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5
IN 1200	84.0	89.5	91.7	92.5	93.0	93.0	93.7	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5
IN 1000	84.1	89.9	92.1	93.1	93.7	93.7	94.4	94.8	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2
IN 900	84.1	89.9	92.2	93.3	93.8	93.8	94.5	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3
IN 800	84.3	90.2	92.6	93.7	94.2	94.2	95.0	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IN 700	84.3	90.5	92.9	94.0	94.5	94.5	95.3	95.7	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1
IN 600	84.4	91.0	93.4	94.6	95.2	95.2	96.0	96.4	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8
IN 500	84.4	91.1	93.5	94.8	95.3	95.3	96.1	96.5	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9
IN 400	84.4	91.3	93.8	95.3	95.8	95.8	96.6	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IN 300	84.4	91.3	93.8	95.6	96.4	96.4	97.2	97.6	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IN 200	84.4	91.3	93.8	95.6	96.4	96.4	97.2	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.5
IN 100	84.4	91.3	93.8	95.6	96.4	96.4	97.2	97.8	97.8	98.3	98.4	98.4	98.7	98.7	98.7	99.5
IN 0	84.4	91.3	93.8	95.6	96.4	96.4	97.2	97.8	97.8	98.3	98.4	98.4	98.7	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2747  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥0	≥0
NO CEILING ≥ 20000	63.7	66.7	67.7	67.9	68.1	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 18000	72.7	75.8	77.0	77.3	77.6	77.6	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 16000	73.7	76.7	78.0	78.2	78.5	78.5	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 14000	74.5	77.6	78.8	79.0	79.3	79.3	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 12000	74.9	78.0	79.2	79.4	79.7	79.7	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 10000	75.5	78.8	80.0	80.2	80.5	80.5	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 9000	76.2	79.4	80.6	80.9	81.2	81.2	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	79.2	82.5	83.7	84.0	84.3	84.3	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	80.1	83.5	84.7	84.9	85.2	85.2	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 6000	80.9	84.3	85.5	85.8	86.0	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 5000	81.3	84.8	86.2	86.6	86.8	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500	82.1	85.6	87.0	87.4	87.6	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4000	83.3	87.2	88.7	89.1	89.4	89.4	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3500	84.3	88.2	89.7	90.1	90.3	90.3	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	84.4	88.4	89.9	90.5	90.7	90.7	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	84.9	89.2	90.7	91.3	91.5	91.5	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2000	86.3	90.7	92.3	92.9	93.1	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	86.6	91.0	92.6	93.1	93.4	93.4	93.5	93.7	93.7	93.8	93.8	93.8	93.8	94.0	94.0	94.1
IV 1500	87.0	91.9	93.5	94.1	94.4	94.4	94.5	94.6	94.6	94.8	94.8	94.8	94.8	94.9	94.9	95.0
IV 1200	87.5	92.7	94.5	95.0	95.3	95.3	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.8	95.8	96.0
IV 1000	87.8	93.1	95.2	95.7	96.0	96.0	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.5	96.5	96.6
IV 900	87.9	93.4	95.4	96.0	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.8	96.8	96.9
IV 800	87.9	93.4	95.4	96.0	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.8	96.8	96.9
IV 700	87.9	93.5	95.6	96.1	96.4	96.4	96.5	96.6	96.6	96.8	96.8	96.8	96.8	96.9	96.9	97.0
IV 600	87.9	93.8	95.8	96.4	96.6	96.6	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.4
IV 500	87.9	93.8	95.8	96.4	96.6	96.6	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.4
IV 400	87.9	93.8	95.8	96.4	96.6	96.6	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.4
IV 300	87.9	93.8	95.8	96.5	96.8	96.8	96.9	98.0	98.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9
IV 200	87.9	93.8	95.8	96.5	96.8	96.8	97.0	98.1	98.1	98.8	98.8	98.9	98.9	98.9	99.1	99.1
IV 100	87.9	93.8	95.8	96.5	96.8	96.8	97.0	98.1	98.1	98.8	98.8	98.9	98.9	98.9	99.3	99.3
IV 0	87.9	93.8	95.8	96.5	96.8	96.8	97.0	98.1	98.1	98.8	98.8	98.9	98.9	98.9	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 74

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

MAR  
 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	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	67.1	67.6	67.6	68.4	68.5	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 18000 16000	76.5	77.2	77.2	78.0	78.1	78.1	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 14000 12000	76.5	77.2	77.2	78.0	78.1	78.1	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 10000 9000	77.2	77.6	77.6	78.4	78.5	78.5	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 8000 7000	78.1	78.8	78.8	79.6	79.7	79.7	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000 5000	80.1	80.8	80.8	81.6	81.7	81.7	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500 4000	80.4	81.0	81.0	81.9	82.0	82.0	82.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500 3000	81.6	82.3	82.3	83.1	83.2	83.2	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2500 2000	82.4	83.2	83.2	84.0	84.1	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1800 1500	83.6	84.5	84.5	85.3	85.5	85.5	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200 1000	84.9	85.9	85.9	86.7	86.8	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900 800	85.9	86.8	86.8	87.6	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 700 600	86.7	87.8	87.8	88.6	88.7	88.7	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 500 400	87.1	88.2	88.2	89.0	89.1	89.1	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 300 200	87.4	88.4	88.4	89.2	89.5	89.5	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 100 0	88.3	89.4	89.5	90.3	90.6	90.6	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
	89.7	90.7	90.9	91.7	91.9	91.9	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	89.7	90.7	90.9	91.7	91.9	91.9	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	89.7	91.0	91.1	91.9	92.2	92.2	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	90.1	91.9	92.1	92.9	93.1	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
	90.9	92.7	92.9	93.7	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
	91.0	93.0	93.1	94.0	94.2	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	91.3	93.7	93.8	94.6	94.9	94.9	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
	91.7	94.2	94.4	95.2	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
	91.9	94.5	94.6	95.6	95.8	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
	92.1	95.0	95.2	96.5	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	92.1	95.2	95.3	96.6	96.9	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
	92.1	95.2	95.6	96.9	97.3	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	92.1	95.3	95.7	97.0	97.6	97.7	98.3	98.7	98.7	98.9	98.9	98.9	98.9	99.1	99.1	99.1
	92.1	95.3	95.7	97.0	97.6	97.7	98.3	98.8	98.9	99.2	99.2	99.2	99.2	99.5	99.5	100.0
	92.1	95.3	95.7	97.0	97.6	97.7	98.3	98.8	98.9	99.2	99.2	99.2	99.2	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.47  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAP  
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	≥½	≥¼	≥1/10	≥0	≥0
NO CEILING ≥ 20000	62.7	64.1	64.8	65.1	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV ≥ 18000 IV 6000	70.4	72.1	72.8	73.2	73.3	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000 IV 2000	70.8	72.5	73.2	73.6	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 10000 IV 9000	71.3	73.0	73.7	74.1	74.3	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000 IV 7000	72.0	73.8	74.5	74.9	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000 IV 5000	73.6	75.5	76.2	76.6	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500 IV 4000	73.9	75.7	76.5	76.9	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500 IV 3000	75.1	77.1	77.9	78.3	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500 IV 2000	75.5	77.6	78.4	78.8	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 1800 IV 1500	76.2	78.4	79.2	79.6	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1200 IV 1000	77.6	79.8	80.7	81.1	81.3	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 900 IV 800	78.1	80.4	81.3	81.7	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 700 IV 600	78.8	81.2	82.1	82.6	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 500 IV 400	79.3	81.8	82.7	83.1	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 300 IV 200	80.0	82.5	83.5	84.0	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5
IV 100 IV 0	81.0	83.8	84.8	85.3	85.6	85.6	85.7	85.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9
	82.3	85.5	86.5	87.1	87.3	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8
	82.7	86.0	87.0	87.6	87.9	87.9	88.1	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3
	83.3	86.9	87.9	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
	84.0	88.0	89.1	89.8	90.1	90.1	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
	84.9	89.0	90.3	91.1	91.4	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
	85.1	89.4	90.7	91.5	91.8	91.9	92.0	92.1	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3
	85.3	89.9	91.2	92.0	92.3	92.4	92.6	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8
	85.5	90.3	91.7	92.6	93.0	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6
	85.7	90.7	92.2	93.2	93.6	93.6	93.9	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
	85.7	91.0	92.6	93.7	94.2	94.2	94.5	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9
	85.8	91.2	93.0	94.3	94.9	94.9	95.3	95.5	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8
	85.8	91.3	93.1	94.5	95.2	95.3	95.9	96.2	96.2	96.6	96.7	96.7	96.8	96.8	96.9	96.9
	85.8	91.3	93.2	94.6	95.4	95.6	96.2	96.6	96.7	97.4	97.6	97.6	97.8	97.8	98.0	98.0
	85.8	91.3	93.2	94.6	95.4	95.6	96.2	96.7	96.7	97.6	97.8	97.8	98.4	98.5	99.2	99.7
	85.8	91.3	93.2	94.6	95.4	95.6	96.2	96.7	96.7	97.6	97.8	97.8	98.5	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

APP  
MONTH

## 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	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 2000	69.0 77.4	69.6 77.9	69.6 77.9	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1	69.7 78.1
≥ 1800 IV 6000	77.5 77.5	78.1 78.1	78.1 78.1	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	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2
IV 14000 IV 2000	77.9 78.6	78.5 79.2	78.5 79.2	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3	78.6 79.3
IV 10000 IV 9000	81.3 82.1	81.8 82.6	81.8 82.6	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8	81.9 82.8
IV 8000 IV 7000	83.2 83.8	83.8 84.3	83.8 84.3	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4	83.9 84.4
IV 6000 IV 5000	84.7 86.7	85.3 87.2	85.3 87.2	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4	85.4 87.4
IV 4500 IV 4000	86.9 87.4	87.5 87.9	87.5 87.9	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1	87.6 88.1
IV 3500 IV 3000	87.5 88.1	88.1 88.8	88.1 88.8	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9	88.2 88.9
IV 2500 IV 2000	89.3 90.4	90.0 91.1	90.0 91.1	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3	90.1 91.3
IV 1800 IV 1500	90.4 92.1	91.1 92.8	91.1 92.8	91.3 93.1	91.3 93.1	91.3 93.1	91.4 93.2	91.4 93.2	91.4 93.2	91.4 93.2	91.4 93.2	91.4 93.2	91.4 93.2	91.4 93.2	91.4 93.2	91.4 93.2
IV 1200 IV 1000	92.9 94.0	93.6 94.9	93.6 94.9	93.9 95.1	93.9 95.1	93.9 95.1	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3
IV 900 IV 800	94.7 95.0	95.6 95.8	95.7 96.0	96.0 96.3	96.0 96.3	96.0 96.3	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4	96.1 96.4
IV 700 IV 600	95.4 95.7	96.5 96.8	96.7 96.9	96.9 97.2	96.9 97.2	96.9 97.2	97.1 97.4	97.1 97.4	97.1 97.4	97.1 97.4	97.1 97.4	97.1 97.4	97.1 97.4	97.1 97.4	97.1 97.4	97.1 97.4
IV 500 IV 400	96.4 96.4	97.6 97.8	97.8 97.9	98.1 98.2	98.1 98.2	98.1 98.2	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3	98.2 98.3
IV 300 IV 200	96.5 96.5	98.2 98.3	98.6 98.9	98.9 99.3	98.9 99.3	98.9 99.3	99.0 99.6	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7
IV 100 IV 0	96.5 96.5	98.3 98.3	98.9 98.9	99.3 99.3	99.3 99.3	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	99.7 99.7	99.7 99.7	99.7 99.7	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 720

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

74-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

J300-050C  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	66.3	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 20000	72.8	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 18000	73.1	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 16000	73.3	74.0	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
IV 14000	73.5	74.2	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 12000	75.0	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 10000	78.8	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 9000	79.2	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 8000	81.4	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	82.4	82.4
IV 7000	82.1	82.9	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
IV 6000	82.9	83.8	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 5000	83.9	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	85.0	85.0
IV 4500	83.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4000	84.4	85.6	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 3500	84.6	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	85.8
IV 3000	85.0	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	86.4
IV 2500	85.8	87.1	87.2	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 2000	86.5	87.9	88.1	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
IV 1800	86.5	87.9	88.1	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
IV 1500	88.1	89.6	89.7	89.9	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 1200	89.3	91.1	91.4	91.5	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 1000	89.9	91.7	91.9	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
IV 900	90.1	91.9	92.2	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
IV 800	90.4	92.2	92.5	92.6	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 700	91.0	92.8	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 600	91.8	93.8	94.0	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
IV 500	92.4	94.3	94.6	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
IV 400	92.6	95.1	95.7	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
IV 300	92.8	95.6	96.4	97.1	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
IV 200	92.8	95.6	96.5	97.5	97.8	97.8	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.9	98.9	99.0
IV 100	92.8	95.6	96.5	97.5	97.8	97.8	97.9	98.2	98.2	98.3	98.3	98.3	98.3	99.2	99.2	99.4
IV 0	92.8	95.6	96.5	97.5	97.8	97.8	97.9	98.2	98.2	98.3	98.3	98.3	98.3	99.2	99.2	99.4

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

74-81

APR

STATION

STATION NAME

YEARS

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	¾	¾	≥5/16	¾	≥0
NO CEILING	61.3	62.8	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.6	63.6
≥ 20000	69.6	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.6
≥ 18000	69.6	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.6
≥ 16000	69.7	71.9	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.8	72.8
≥ 14000	69.9	72.1	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.9	72.9
≥ 12000	71.8	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.9	74.9
≥ 10000	74.0	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.2	77.2
≥ 9000	74.0	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.2	77.2
≥ 8000	75.7	78.8	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.7	79.7
≥ 7000	76.3	79.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.6	80.6
≥ 6000	76.9	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 5000	77.8	81.4	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.4	82.4
≥ 4500	77.8	81.5	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.5	82.5
≥ 4000	78.6	82.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.5	83.5
≥ 3500	78.8	82.8	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.8	83.8
≥ 3000	79.3	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.3	84.3
≥ 2500	80.1	84.2	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.3	85.3
≥ 2000	80.8	85.0	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.5	86.5
≥ 1800	80.8	85.0	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.5	86.5
≥ 1500	82.1	86.4	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.9	87.9
≥ 1200	82.6	87.4	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.2	89.2
≥ 1000	83.2	88.1	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	90.0	90.0
≥ 900	83.3	88.3	89.3	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 800	83.3	88.6	89.7	90.4	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	91.1	91.1
≥ 700	83.6	89.0	90.1	90.8	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.7	91.7
≥ 600	83.8	89.2	90.3	91.0	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.8	91.8
≥ 500	83.9	89.4	90.6	91.3	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	92.1	92.1
≥ 400	84.2	90.3	91.7	92.6	93.1	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.9	93.9
≥ 300	84.2	90.4	91.9	93.2	93.6	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	94.5	94.5
≥ 200	84.2	90.4	91.9	93.3	93.8	93.8	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.8	94.8
≥ 100	84.2	90.4	91.9	93.3	93.8	93.8	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.8	94.8
≥ 0	84.2	90.4	91.9	93.3	93.8	93.8	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	63.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000	72.5	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	75.0	75.0
≥ 18000	72.5	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	75.0	75.0
≥ 16000	72.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	72.9	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
≥ 12000	74.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 10000	76.3	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	78.9
≥ 9500	76.4	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
≥ 8000	76.9	80.0	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
≥ 7000	77.2	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
≥ 6000	77.2	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
≥ 5000	77.9	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	81.5
≥ 4500	78.2	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	78.3	81.9	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
≥ 3500	78.9	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	82.9	82.9
≥ 3000	79.2	83.5	83.6	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
≥ 2500	80.3	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	81.5	86.5	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
≥ 1800	81.9	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
≥ 1500	82.8	88.3	88.9	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
≥ 1200	83.5	89.4	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1000	84.3	91.1	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	92.6
≥ 900	84.4	91.3	91.9	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
≥ 800	84.7	92.1	92.9	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
≥ 700	84.7	92.4	93.3	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
≥ 600	84.9	92.5	93.5	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
≥ 500	84.9	92.8	93.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	85.1	93.5	94.9	96.0	96.3	96.4	96.8	96.8	96.8	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300	85.1	93.5	94.9	96.1	96.5	96.8	97.2	97.2	97.2	98.2	98.3	98.3	98.3	98.3	98.5	98.5
≥ 200	85.1	93.5	94.9	96.1	96.5	96.8	97.2	97.5	97.5	98.9	99.0	99.2	99.2	99.2	99.3	99.3
≥ 100	85.1	93.5	94.9	96.1	96.5	96.8	97.2	97.5	97.5	98.9	99.0	99.0	99.2	99.2	99.7	100.0
≥ 0	85.1	93.5	94.9	96.1	96.5	96.8	97.2	97.5	97.5	98.9	99.0	99.0	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

APR  
 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	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	65.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2000	74.3	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	74.3	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1600	74.4	76.3	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1400	74.9	76.7	77.1	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
≥ 1200	75.1	76.9	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1000	77.2	79.0	79.4	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
≥ 900	77.2	79.0	79.4	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
≥ 800	78.1	79.9	80.3	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
≥ 700	78.5	80.4	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
≥ 600	78.5	80.4	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
≥ 500	80.4	82.5	82.9	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
≥ 450	80.6	82.6	83.1	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
≥ 400	82.1	84.3	84.7	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
≥ 350	84.7	86.9	87.4	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
≥ 300	85.3	87.5	87.9	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
≥ 250	86.7	89.0	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
≥ 200	89.0	91.5	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
≥ 180	89.3	91.8	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
≥ 150	90.7	93.6	94.0	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
≥ 120	91.0	94.4	94.9	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
≥ 100	91.3	95.1	95.6	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	91.3	95.7	96.1	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	91.3	95.8	96.4	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
≥ 700	91.4	96.3	96.8	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
≥ 600	91.4	96.4	96.9	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	91.4	96.8	97.4	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	91.4	96.9	97.6	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	91.4	96.9	97.6	98.5	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	91.4	96.9	97.6	98.5	99.0	99.0	99.3	99.6	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥ 100	91.4	96.9	97.6	98.5	99.0	99.0	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	91.4	96.9	97.6	98.5	99.0	99.0	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

APR  
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	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING	59.4	61.1	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 20000	72.1	73.8	73.9	74.3	75.0	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 18000	72.1	73.8	73.9	74.3	75.0	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 16000	72.2	73.9	74.0	74.4	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 14000	72.5	74.2	74.3	74.7	75.4	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 12000	73.1	74.7	74.9	75.3	76.0	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 10000	74.9	76.8	76.9	77.4	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 9000	74.9	76.8	76.9	77.4	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 8000	75.7	77.6	77.8	78.2	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	75.8	77.8	77.9	78.3	79.0	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 6000	77.5	79.4	79.6	80.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 5000	82.1	84.2	84.4	84.9	85.6	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 4500	82.6	85.0	85.3	85.7	86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4000	85.3	87.6	87.9	88.3	89.2	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3500	86.7	89.3	89.6	90.1	91.0	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3000	87.8	90.4	90.8	91.4	92.2	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	89.6	92.4	92.8	93.3	94.2	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 2000	90.4	93.2	93.6	94.2	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	90.4	93.2	93.6	94.2	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500	91.3	94.2	94.6	95.1	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	91.4	94.3	94.9	95.4	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	91.7	95.3	95.6	96.5	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	92.1	95.8	96.4	97.1	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	92.4	96.5	97.1	97.8	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	92.5	96.7	97.2	97.9	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	92.5	96.7	97.2	97.9	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	92.6	96.8	97.4	98.1	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	92.6	96.8	97.4	98.1	98.9	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.6	96.9	97.5	98.2	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.6	96.9	97.5	98.2	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.6	96.9	97.5	98.2	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.6	96.9	97.5	98.2	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

APR  
MONTH

## 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	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	64.7	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 20000	76.8	77.8	77.8	78.2	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 18000	77.1	78.1	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 16000	77.4	78.3	78.3	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 14000	78.1	79.2	79.3	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 12000	80.1	81.3	81.4	81.8	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 10000	82.8	84.2	84.4	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 9000	82.9	84.3	84.6	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 8000	84.3	85.8	86.1	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 7000	84.7	86.4	86.7	87.1	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 6000	85.6	87.2	87.5	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 5000	87.5	89.3	89.7	90.1	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 4500	88.5	90.3	90.7	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 4000	90.1	91.9	92.4	92.9	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 3500	90.7	92.6	93.1	93.6	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 3000	91.4	93.3	93.8	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 2500	91.7	93.6	94.0	94.6	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 2000	92.4	94.4	94.9	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
IV 1800	92.5	94.6	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
IV 1500	93.3	95.6	96.0	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	93.9	96.1	96.5	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 1000	94.2	96.5	96.9	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 900	94.4	96.9	97.4	97.9	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 800	94.4	97.6	98.1	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
IV 700	94.6	97.8	98.2	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
IV 600	94.7	98.3	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
IV 500	94.7	98.3	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
IV 400	94.7	98.5	98.9	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	94.7	98.5	98.9	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.7	98.5	98.9	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.7	98.5	98.9	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.7	98.5	98.9	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEAR

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	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	68.3	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
≥ 20000	76.7	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
≥ 18000	76.7	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
IV 16000	76.7	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
IV 14000	77.1	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 12000	78.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 10000	82.9	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
IV 9000	83.8	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	84.7	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 7000	84.9	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 6000	85.8	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 5000	88.1	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
IV 4500	88.9	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 4000	90.0	90.8	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
IV 3500	90.6	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
IV 3000	91.0	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
IV 2500	91.7	92.5	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
IV 2000	92.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	92.5	93.6	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
IV 1500	93.9	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	95.4
IV 1200	94.6	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	96.1
IV 1000	95.3	96.8	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 900	95.6	97.2	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 800	95.6	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	97.6
IV 700	95.8	98.1	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 600	96.0	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	98.6
IV 500	96.0	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	98.8	98.8
IV 400	96.0	98.6	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 300	96.0	98.9	99.2	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	96.0	98.9	99.3	99.4	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	96.0	98.9	99.3	99.4	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.0	98.9	99.3	99.4	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

74-81

APR

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	¾	¾	≥5/16	¾	≥0
NO CEILING	64.7	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000	74.0	75.4	75.6	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	74.1	75.5	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 16000	74.3	75.7	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	74.6	76.0	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 12000	75.9	77.3	77.4	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 10000	78.5	80.0	80.2	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 9000	78.8	80.3	80.5	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000	80.0	81.7	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	80.4	82.2	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8
≥ 6000	81.1	83.0	83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	83.0	85.0	85.2	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500	83.4	85.4	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	84.5	86.6	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
≥ 3500	85.3	87.4	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	85.9	88.1	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
≥ 2500	86.9	89.2	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	87.9	90.4	90.7	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	88.1	90.6	90.9	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
≥ 1500	89.3	92.0	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	89.9	92.8	93.2	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	90.5	93.7	94.1	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	90.7	94.1	94.5	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥ 800	90.9	94.5	95.0	95.5	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	91.1	94.9	95.5	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
≥ 600	91.3	95.3	95.8	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7
≥ 500	91.5	95.6	96.1	96.6	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2
≥ 400	91.6	95.9	96.6	97.3	97.5	97.6	97.9	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	91.7	96.1	96.9	97.6	97.9	98.0	98.4	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.9	98.9
≥ 200	91.7	96.1	96.9	97.7	98.1	98.2	98.6	98.8	98.8	99.1	99.2	99.2	99.4	99.4	99.5	99.5
≥ 100	91.7	96.1	96.9	97.7	98.1	98.2	98.6	98.8	98.8	99.2	99.3	99.3	99.5	99.5	99.8	99.9
≥ 0	91.7	96.1	96.9	97.7	98.1	98.2	98.6	98.8	98.8	99.2	99.3	99.3	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

3000-0200  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	63.8	64.2	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	71.1	71.5	72.0	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
IN 18000	71.1	71.5	72.0	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
IN 16000	71.1	71.5	72.0	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
IN 14000	71.1	71.5	72.0	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
IN 12000	71.4	71.8	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
IN 10000	74.5	75.1	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IN 9500	74.9	75.5	76.1	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
IN 8000	76.9	77.6	78.1	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
IN 7000	77.6	78.2	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IN 6000	78.2	78.9	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IN 5000	79.8	80.6	81.2	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
IN 4500	80.2	81.0	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
IN 4000	82.1	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IN 3500	82.9	84.1	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IN 3000	83.9	85.1	85.6	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
IN 2500	84.1	85.3	85.9	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
IN 2000	85.5	86.7	87.2	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
IN 1800	85.8	87.1	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IN 1500	87.6	89.2	89.9	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
IN 1200	88.0	89.9	90.6	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
IN 1000	88.8	91.0	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
IN 900	89.0	91.3	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
IN 800	89.8	92.6	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
IN 700	90.2	93.3	94.0	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
IN 600	90.7	94.4	95.0	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
IN 500	91.3	95.4	96.1	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
IN 400	91.5	96.0	96.6	97.0	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IN 300	91.5	96.2	96.9	97.3	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IN 200	91.7	96.5	97.2	97.6	98.0	98.0	98.1	98.4	98.4	98.4	98.4	98.9	98.9	99.5	99.5	99.7
IN 100	91.7	96.6	97.3	97.7	98.1	98.1	98.3	98.5	98.5	98.5	98.5	99.1	99.1	99.6	99.6	99.9
IN 0	91.7	96.6	97.3	97.7	98.1	98.1	98.3	98.5	98.5	98.5	98.5	99.1	99.1	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47

AMARILLO MAP TX

74-81

MAY

STATION

STATION NAME

YEARS

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	¾	¾	≥5/16	¾	≥0	
NO CEILING	58.1	59.5	59.8	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	61.8	63.3	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	61.8	63.3	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	61.8	63.3	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	62.2	63.7	64.0	64.1	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
≥ 12000	62.6	64.1	64.4	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	66.3	67.7	68.0	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	66.5	68.0	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 8000	69.1	70.6	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000	70.2	71.6	71.9	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	70.6	72.0	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	73.1	75.3	75.5	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	75.8
≥ 4500	73.9	76.1	76.3	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	75.1	77.3	77.6	77.7	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
≥ 3500	75.7	77.8	78.1	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	76.2	78.4	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	77.2	79.3	79.6	79.7	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
≥ 2000	78.2	80.8	81.2	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	78.9	81.6	82.0	82.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	80.2	83.2	83.6	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	81.0	84.4	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	82.1	85.9	86.3	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 900	82.7	86.7	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	83.1	87.4	88.0	88.2	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
≥ 700	83.6	88.6	89.2	89.4	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
≥ 600	84.1	89.7	90.5	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 500	84.4	90.3	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	85.2	92.6	94.0	94.5	94.9	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 300	85.5	93.1	94.8	95.6	96.4	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 200	85.5	93.1	95.0	96.0	96.9	97.1	97.3	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.8	98.1	98.0
≥ 100	85.5	93.1	95.0	96.0	97.0	97.2	97.6	97.7	98.0	98.4	98.5	98.5	98.5	98.7	98.8	99.3	99.0
≥ 0	85.5	93.1	95.0	96.0	97.0	97.2	97.6	97.7	98.0	98.4	98.5	98.5	98.7	98.8	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 74

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2359  
HOURS (L.S.T.)

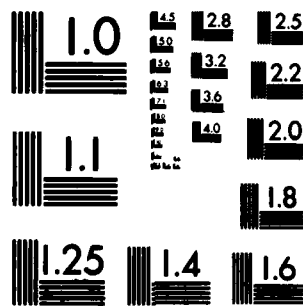
CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	49.9	52.8	53.2	53.6	54.0	54.3	54.4	54.4	54.4	54.4	54.6	54.7	54.7	54.7	54.7	54.7
IV 20000	55.1	58.6	59.7	59.4	59.8	60.1	60.2	60.2	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	55.1	58.6	59.7	59.4	59.8	60.1	60.2	60.2	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5
IV 16000	55.2	58.7	59.1	59.5	59.9	60.2	60.3	60.3	60.3	60.3	60.5	60.6	60.6	60.6	60.6	60.6
IV 14000	55.6	59.3	59.7	60.1	60.5	60.8	60.9	60.9	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	56.7	60.5	60.9	61.3	61.7	62.0	62.1	62.1	62.1	62.2	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	58.6	62.8	63.4	64.0	64.4	64.7	64.9	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2
IV 9000	59.3	63.4	64.1	64.8	65.2	65.5	65.7	65.7	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000	62.6	66.8	67.5	68.1	68.7	69.0	69.2	69.2	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5
IV 7000	63.2	67.3	68.0	68.7	69.2	69.5	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	63.6	67.7	68.5	69.2	69.8	70.0	70.3	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6
IV 5000	65.6	70.0	70.8	71.5	72.0	72.3	72.6	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8
IV 4500	66.1	70.6	71.4	72.0	72.6	72.8	73.1	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4
IV 4000	67.1	71.6	72.4	73.1	73.7	73.9	74.2	74.2	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	67.5	72.2	73.0	73.7	74.2	74.5	74.7	74.7	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0
IV 3000	68.0	72.7	73.5	74.2	74.7	75.0	75.3	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IV 2500	69.5	74.6	75.4	76.1	76.6	76.9	77.2	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4
IV 2000	70.4	76.1	77.2	77.8	78.4	78.6	78.9	78.9	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2
IV 1800	71.0	76.7	77.8	78.5	79.0	79.3	79.6	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8
IV 1500	71.5	77.6	78.9	79.6	80.1	80.4	80.6	80.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9
IV 1200	72.2	78.9	80.2	80.9	81.5	81.7	82.0	82.0	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3
IV 1000	72.7	80.2	81.6	82.7	83.2	83.5	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 900	72.7	80.6	82.0	83.2	83.7	84.0	84.4	84.4	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7
IV 800	73.4	81.9	83.5	84.7	85.3	85.6	86.0	86.0	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3
IV 700	73.7	82.7	84.5	86.2	86.8	87.1	87.5	87.6	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9
IV 600	73.8	83.3	85.3	87.2	88.0	88.3	88.7	88.8	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1
IV 500	73.8	83.6	85.8	88.3	89.2	89.5	89.9	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3
IV 400	74.6	84.9	87.2	90.6	91.7	92.1	92.7	92.9	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3
IV 300	74.6	85.2	87.6	91.1	92.7	93.1	94.1	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.3	95.3
IV 200	74.6	85.2	87.6	91.4	93.1	93.8	95.2	95.7	96.0	97.0	97.2	97.2	97.3	97.4	97.8	97.8
IV 100	74.6	85.2	87.6	91.4	93.1	93.8	95.2	95.7	96.0	97.0	97.3	97.3	98.1	98.3	98.9	98.9
IV 0	74.6	85.2	87.6	91.4	93.1	93.8	95.2	95.7	96.0	97.0	97.3	97.3	98.1	98.3	98.9	98.9

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





13176



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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥3/16	¾	≥0
NO CEILING ≥ 20000	54.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 18000 IV 16000	63.3	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000 IV 12000	64.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000 IV 9000	66.5	69.9	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
IV 8000 IV 7000	69.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 6000 IV 5000	70.6	74.1	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 4500 IV 4000	72.0	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	75.9	75.9
IV 3500 IV 3000	73.4	77.6	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	77.8
IV 2500 IV 2000	77.4	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1800 IV 1500	79.6	84.8	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1200 IV 1000	81.3	87.9	88.4	88.6	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900 IV 800	82.9	90.2	90.9	91.0	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 700 IV 600	83.5	91.0	92.5	92.7	93.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 500 IV 400	83.9	92.3	94.0	94.8	96.0	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300 IV 200	84.0	92.7	94.5	95.6	97.0	97.0	97.8	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100 IV 0	84.0	92.7	94.5	95.7	97.2	97.2	98.0	98.4	98.5	98.9	98.9	98.9	98.9	99.2	99.2	99.9

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURENCE  
 (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	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING ≥ 20000	57.8	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV ≥ 18000 6000	69.1	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV ≥ 14000 2000	69.2	70.6	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 ≥ 10000 9000	71.1	72.4	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
IV ≥ 8000 7000	73.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV ≥ 6000 5000	73.1	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV ≥ 4500 4000	75.1	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	76.9	76.9
IV ≥ 3500 3000	75.8	77.3	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
IV ≥ 2500 2000	77.6	79.0	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV ≥ 1800 1500	78.8	80.2	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV ≥ 1200 1000	81.2	82.7	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV ≥ 900 800	85.6	87.1	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV ≥ 700 600	86.8	88.7	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV ≥ 500 400	88.7	91.0	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
IV ≥ 300 200	90.1	92.7	93.1	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV ≥ 100 0	90.3	93.0	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	91.7	94.5	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	91.9	94.9	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
	92.2	95.3	96.0	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
	92.2	95.4	96.1	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	92.2	95.8	96.5	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	92.2	96.0	96.6	96.8	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
	92.2	96.1	96.8	96.9	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	92.2	96.4	97.0	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
	92.2	96.4	97.0	97.4	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
	92.2	96.4	97.2	97.6	98.4	98.7	99.2	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5
	92.2	96.4	97.2	97.6	98.4	98.7	99.2	99.2	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9
	92.2	96.4	97.2	97.6	98.4	98.7	99.2	99.2	99.2	99.2	99.6	99.9	99.9	99.9	100.0	100.0
	92.2	96.4	97.2	97.6	98.4	98.7	99.2	99.2	99.2	99.2	99.6	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAY  
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	¾	¾	≥5/16	¾	≥0
NO CEILING	55.6	56.6	56.7	57.0	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	69.8	71.8	71.9	72.2	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IN 18000	70.0	72.0	72.2	72.4	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IN 16000	70.0	72.0	72.2	72.4	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IN 14000	70.2	72.2	72.3	72.6	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IN 12000	70.6	72.6	72.7	73.0	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IN 10000	72.0	74.1	74.2	74.5	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IN 9000	72.2	74.2	74.3	74.6	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IN 8000	73.4	75.7	75.8	76.1	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IN 7000	74.2	76.5	76.6	76.9	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 6000	75.5	78.4	78.6	78.9	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 5000	80.4	83.2	83.5	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IN 4500	81.6	84.4	84.7	84.9	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IN 4000	84.8	87.8	88.2	88.4	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IN 3500	87.1	90.2	90.6	90.9	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	1.4
IN 3000	88.3	91.7	92.1	92.3	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IN 2500	89.2	92.6	93.0	93.3	93.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IN 2000	90.5	94.0	94.4	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IN 1800	90.5	94.0	94.4	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IN 1500	91.8	95.4	95.8	96.1	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IN 1200	92.2	95.8	96.2	96.5	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IN 1000	92.3	96.1	96.5	96.8	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 900	92.3	96.1	96.5	96.8	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 800	92.5	96.5	96.9	97.2	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IN 700	92.7	96.9	97.3	97.6	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 600	92.7	96.9	97.3	97.6	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 500	92.7	96.9	97.3	97.6	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 400	92.7	96.9	97.6	98.3	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 300	92.7	96.9	97.6	98.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 200	92.7	96.9	97.6	98.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 100	92.7	96.9	97.6	98.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 0	92.7	96.9	97.6	98.4	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAY  
MONTH

## 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	61.9	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥20000	75.7	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 18000	75.7	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 16000	75.7	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 14000	76.2	77.6	77.7	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 12000	76.9	78.3	78.4	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
IV 10000	78.9	80.8	81.0	81.0	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 9000	78.9	80.8	81.0	81.0	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 8000	80.2	82.1	82.2	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
IV 7000	80.3	82.2	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	81.5	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 5000	85.4	87.4	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4500	86.0	88.0	88.4	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
IV 4000	87.9	90.0	90.6	90.6	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 3500	89.5	91.8	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
IV 3000	90.4	93.0	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	90.8	93.8	94.3	94.3	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 2000	91.4	94.5	95.0	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 1800	91.4	94.5	95.0	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 1500	91.8	95.0	95.5	95.5	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 1200	92.2	95.5	96.1	96.1	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 1000	92.7	96.2	96.9	96.9	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	93.0	96.5	97.2	97.2	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 800	93.1	96.9	97.7	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
IV 700	93.1	97.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	93.1	97.0	98.0	98.0	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	93.1	97.0	98.1	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
IV 400	93.1	97.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	93.1	97.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	93.1	97.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	93.1	97.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	93.1	97.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAY  
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	¾	¾	≥5/16	¾	≥0
NO CEILING	65.5	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000	74.9	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 18000	74.9	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 16000	75.0	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 14000	75.0	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 12000	75.8	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 10000	78.9	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 9500	78.9	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 8000	80.3	81.0	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
≥ 7000	81.0	81.6	81.9	81.9	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 6000	82.2	82.9	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
≥ 5000	84.5	85.4	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
IV 4500	84.5	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	85.7	86.6	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 3500	86.8	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	87.2	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	87.7	89.7	90.1	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
≥ 2000	88.5	90.7	91.1	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 1800	88.8	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	89.1	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	89.5	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	90.1	93.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 900	90.4	93.5	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	90.6	93.8	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	90.7	93.9	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	91.0	94.2	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV 500	91.2	94.9	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4
≥ 400	91.4	95.5	96.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	91.6	95.8	96.9	97.3	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	91.8	96.0	97.0	97.4	98.4	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	99.2	99.2	99.5
IV 100	91.8	96.0	97.2	97.6	98.5	98.5	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.5	99.5	100.0
≥ 0	91.6	96.0	97.2	97.6	98.5	98.5	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

74-81  
YEARS

MAY  
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	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	58.4	59.7	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	67.5	69.2	69.5	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 18000	67.6	69.3	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	67.7	69.4	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	67.9	69.7	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 12000	68.8	70.5	70.8	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 10000	71.1	73.0	73.4	73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8
IV 9000	71.4	73.3	73.6	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	73.4	75.4	75.7	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	74.0	76.0	76.3	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
IV 6000	74.7	76.8	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 5000	77.2	79.5	79.9	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	77.9	80.2	80.6	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	79.5	81.9	82.4	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	81.0	83.6	84.1	84.2	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	81.9	84.6	85.0	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	83.1	86.0	86.5	86.7	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2000	84.2	87.5	88.0	88.2	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 1800	84.5	87.8	88.3	88.5	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1500	85.5	89.1	89.7	89.9	90.0	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	86.0	89.9	90.5	90.8	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1000	86.7	90.9	91.6	91.9	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	86.9	91.3	92.0	92.3	92.5	92.5	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
IV 800	87.2	91.9	92.8	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	87.5	92.4	93.3	93.8	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
IV 600	87.7	92.9	93.9	94.4	94.8	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 500	87.8	93.4	94.4	95.2	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0
IV 400	88.1	94.0	95.2	96.1	96.7	96.8	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.4
IV 300	88.2	94.2	95.5	96.5	97.3	97.4	97.9	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	88.2	94.2	95.5	96.6	97.5	97.7	98.2	98.3	98.4	98.8	98.9	98.9	99.1	99.1	99.3	99.3
IV 100	88.2	94.3	95.6	96.7	97.6	97.7	98.2	98.4	98.5	98.9	99.0	99.0	99.0	99.4	99.4	99.9
IV 0	88.2	94.3	95.6	96.7	97.6	97.7	98.2	98.4	98.5	98.9	99.0	99.0	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5946



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

JUN

STATION

STATION NAME

YEARS

MONTH

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	¾	¾	≥5/16	¾	≥0
NO CEILING	68.3	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	68.5
IV 20000	78.5	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	78.8
IV 18000	78.5	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	78.8
IV 16000	78.5	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	78.8
IV 14000	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 12000	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 10000	83.9	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 9000	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 8000	86.7	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 7000	86.8	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
IV 6000	87.5	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
IV 5000	91.3	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	92.4	92.4
IV 4500	91.4	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
IV 4000	92.8	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 3500	92.9	94.3	94.3	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
IV 3000	93.3	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 2500	93.6	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2000	94.4	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	94.4	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	95.0	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	95.3	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	96.0	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	96.3	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	96.4	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	96.4	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	96.4	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	96.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	96.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	96.9	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	96.9	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.9	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.9	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUN  
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	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	71.5 76.1	72.2 76.9	72.2 76.9	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.4 77.1	72.6 77.4	72.6 77.4
IV 18000 16000	76.1 76.1	76.9 76.9	76.9 76.9	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.1 77.1	77.4 77.4	77.4 77.4
IV 14000 12000	76.1 77.1	76.9 77.9	76.9 77.9	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.1 78.1	77.4 78.3	77.4 78.3
IV 10000 9000	82.8 83.6	83.8 84.7	83.8 84.7	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	83.9 84.9	84.2 85.3	84.2 85.3
IV 8000 7000	86.3 86.4	87.5 87.6	87.5 87.6	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	87.6 87.8	88.1 88.2	88.1 88.2
IV 6000 5000	87.4 89.2	88.6 90.7	88.6 90.7	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	88.8 90.8	89.2 91.3	89.2 91.3
IV 4500 4000	89.3 90.3	90.8 91.8	90.8 91.8	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.0 92.1	91.4 92.5	91.4 92.5
IV 3500 3000	90.4 90.8	91.9 92.4	91.9 92.4	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.2 92.6	92.6 93.1	92.6 93.1
IV 2500 2000	91.7 91.9	93.2 93.3	93.2 93.3	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.5 93.6	93.9 94.0	93.9 94.0
IV 1800 1500	91.8 91.9	93.3 93.6	93.3 93.6	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	93.6 93.9	94.0 94.3	94.0 94.3
IV 1200 1000	92.4 93.1	94.0 94.7	94.0 94.7	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.3 95.0	94.7 95.4	94.7 95.4
IV 900 800	93.5 93.6	95.1 95.3	95.1 95.3	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.8 96.0	95.8 96.0
IV 700 600	94.0 94.2	95.7 96.0	95.7 96.0	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.0 96.3	96.4 96.7	96.4 96.7
IV 500 400	94.1 94.3	96.3 96.9	96.3 96.9	96.5 97.5	96.5 97.5	96.5 97.5	96.5 97.6	96.5 97.8	96.5 97.8	96.5 97.8	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.5 97.9	96.9 98.3	96.9 98.3
IV 300 200	94.3 94.3	97.8 98.2	97.8 98.2	98.3 98.8	98.3 98.8	98.3 98.8	98.5 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.9 99.3	98.9 99.3	98.9 99.3	98.9 99.3	99.0 99.4	99.4 99.4	99.4 99.4
IV 100 0	94.3 94.3	98.2 98.2	98.2 98.2	98.8 98.8	98.8 98.8	98.8 98.8	98.9 98.9	98.9 98.9	98.9 98.9	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.4 99.4	99.4 99.4	99.4 99.4

TOTAL NUMBER OF OBSERVATIONS 720

# CEILING VERSUS VISIBILITY

23747  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUN  
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	≥¼	≥5/16	≥¼	≥0
NO CEILING	73.1	74.9	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 20000	77.5	79.7	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 18000	77.5	79.7	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 16000	77.5	79.7	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 14000	77.8	80.0	80.0	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
IV 12000	78.8	81.0	81.0	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
IV 10000	83.1	85.3	85.4	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 9000	83.2	85.4	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3
IV 8000	84.4	86.9	87.1	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8
IV 7000	85.1	87.8	87.9	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.8
IV 6000	86.1	88.8	88.9	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
IV 5000	86.3	89.4	89.9	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
IV 4500	86.3	89.4	89.9	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7
IV 4000	86.4	89.6	90.0	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
IV 3500	86.5	89.7	90.1	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0
IV 3000	86.7	89.9	90.4	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
IV 2500	86.8	90.0	90.6	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5
IV 2000	87.5	90.7	91.3	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 1800	87.5	90.7	91.3	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 1500	87.6	90.8	91.4	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.4
IV 1200	87.8	91.1	91.7	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6
IV 1000	87.9	91.5	92.1	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1
IV 900	87.9	91.7	92.2	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
IV 800	88.1	92.1	92.6	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.2
IV 700	88.5	92.8	93.3	94.4	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3
IV 600	88.8	93.1	93.6	94.7	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 500	89.2	93.8	94.4	95.6	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
IV 400	89.2	94.2	95.1	96.7	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1
IV 300	89.2	94.6	95.7	97.2	97.8	98.3	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	99.0
IV 200	89.2	94.7	95.8	97.4	97.9	98.5	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.3
IV 100	89.2	94.7	95.8	97.4	97.9	98.5	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.4	99.4	99.6
IV 0	89.2	94.7	95.8	97.4	97.9	98.5	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.4	99.4	99.6

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	76.1	76.5	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
IV 18000 IV 16000	80.1	80.6	80.6	80.7	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 14000 IV 12000	81.0	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 IV 9000	82.6	83.1	83.1	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 8000 IV 7000	86.3	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 6000 IV 5000	86.4	87.1	87.2	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 4500 IV 4000	87.9	88.0	88.9	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
IV 3500 IV 3000	88.2	89.0	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
IV 2500 IV 2000	88.9	89.7	89.9	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 1800 IV 1500	89.3	90.6	90.8	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
IV 1200 IV 1000	89.4	90.7	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 900 IV 800	89.7	91.0	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 700 IV 600	90.3	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	91.9	91.9
IV 500 IV 400	90.7	92.1	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 300 IV 200	91.8	93.2	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 100 0	92.5	94.0	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
	92.6	94.3	94.6	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
	93.1	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	95.4
	93.2	95.4	95.7	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
	93.3	95.8	96.3	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
	93.3	96.0	96.4	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	93.8	96.5	97.2	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	93.9	96.7	97.5	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
	93.9	96.7	97.5	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
	94.0	96.9	97.8	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	94.2	97.2	98.1	98.9	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	94.2	97.2	98.1	98.9	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	94.2	97.2	98.1	98.9	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	94.2	97.2	98.1	98.9	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

JUN

STATION

STATION NAME

YEARS

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	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	77.2	77.5	77.6	77.6	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	82.1	82.5	82.6	82.6	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 16000	82.5	82.9	83.1	83.1	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 14000	82.5	82.9	83.1	83.1	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 12000	83.1	83.5	83.6	83.6	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	85.4	85.8	86.0	86.0	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 9000	85.4	85.8	86.0	86.0	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 8000	86.7	87.1	87.2	87.2	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 7000	86.8	87.2	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 6000	88.3	88.8	88.9	88.9	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 5000	90.1	90.6	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4500	91.0	91.4	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 4000	92.4	93.2	93.3	93.3	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	93.9	94.7	94.9	94.9	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 3000	94.3	95.3	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 2500	95.3	96.4	96.5	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
IV 2000	95.6	96.8	96.9	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	95.6	96.8	96.9	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1500	96.0	97.5	97.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	96.3	98.1	98.2	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
IV 1000	96.3	98.2	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	96.3	98.2	98.6	98.6	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 800	96.3	98.2	98.6	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	96.3	98.2	98.6	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	96.3	98.5	98.9	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	96.4	98.6	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.4	98.6	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.4	98.6	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.4	98.6	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.4	98.6	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.4	98.6	99.0	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

JUN  
 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	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING ≥ 20000	71.3	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 18000 16000	79.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 14000 12000	79.6	80.7	80.7	80.7	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 10000 9000	83.6	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
IV 8000 7000	84.3	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
IV 6000 5000	86.0	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
IV 4500 4000	90.4	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
IV 3500 3000	94.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2500 2000	95.4	97.8	97.8	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800 1500	95.8	98.2	98.2	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200 1000	96.1	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900 800	96.3	98.6	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700 600	96.3	98.9	98.9	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500 400	96.5	99.2	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300 200	96.5	99.2	99.2	99.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	96.5	99.2	99.2	99.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 47  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
≥ 27000	66.2	69.6	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	68.6
≥ 18000	82.8	83.6	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥ 15000	82.8	83.6	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥ 14000	82.9	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2
≥ 12000	83.6	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9
≥ 10000	86.5	87.8	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
≥ 9000	86.5	87.8	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
≥ 8000	86.7	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5
≥ 7000	87.2	88.6	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
≥ 6000	89.3	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 5000	93.9	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500	93.9	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4000	95.1	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	95.4	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3000	95.7	97.2	97.5	97.6	97.8	97.8	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	95.7	97.2	97.5	97.6	97.8	97.8	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	95.7	97.2	97.8	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	95.7	97.2	97.8	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	96.1	97.6	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	96.1	97.6	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	96.1	97.6	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	96.3	97.8	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	96.3	97.8	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	96.3	97.9	98.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	96.3	98.1	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	96.3	98.2	98.8	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	96.3	98.2	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.3	98.2	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	96.3	98.2	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.3	98.2	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	96.3	98.2	98.8	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23747  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

JUN  
 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	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 20000	80.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 18000	80.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 16000	80.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 14000	80.6	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 12000	81.9	82.9	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 10000	85.4	86.5	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 9000	85.8	86.9	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 8000	86.9	88.1	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
IV 7000	87.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 6000	88.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 5000	91.8	93.6	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 4500	91.8	93.6	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 4000	93.6	95.7	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
IV 3500	94.0	96.1	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 3000	94.3	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 2500	94.9	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 2000	94.9	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 1800	94.9	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 1500	95.4	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 1200	95.7	98.1	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 1000	95.8	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	98.5
IV 900	96.0	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 800	96.0	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 700	96.1	98.5	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 600	96.1	98.5	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	96.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	96.3	98.8	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 300	96.3	98.9	99.4	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	96.3	98.9	99.4	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	96.3	98.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	96.3	98.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

JUN  
 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	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING ≥ 20000	71.7	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	72.5	72.5
IV 18000	79.6	80.5	80.5	80.6	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 16000	79.7	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8
IV 14000	79.9	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 12000	80.9	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
IV 10000	84.6	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
IV 9000	85.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
IV 8000	86.2	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 7000	86.5	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 6000	87.7	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3
IV 5000	90.2	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
IV 4500	90.4	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV 4000	91.6	93.4	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
IV 3500	92.2	94.0	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5
IV 3000	92.6	94.4	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
IV 2500	93.1	95.0	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
IV 2000	93.5	95.4	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800	93.5	95.5	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1
IV 1500	93.9	95.9	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
IV 1200	94.1	96.2	96.4	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
IV 1000	94.3	96.5	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.3
IV 900	94.5	96.7	97.0	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
IV 800	94.6	96.9	97.2	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
IV 700	94.7	97.1	97.4	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
IV 600	94.8	97.2	97.6	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
IV 500	94.9	97.5	97.9	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
IV 400	95.0	97.8	98.2	98.7	98.9	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IV 300	95.0	98.0	98.4	98.9	99.1	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 200	95.0	98.1	98.5	99.0	99.2	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 100	95.0	98.2	98.5	99.0	99.2	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9
IV 0	95.0	98.1	98.5	99.0	99.2	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 576

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUL  
MONTH

## 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	69.8	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 20000	79.7	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	80.2
IV 18000	79.7	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	80.2
IV 16000	79.7	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	80.2
IV 14000	80.5	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 12000	81.7	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 10000	88.4	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1
IV 9000	88.8	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5
IV 8000	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7
IV 7000	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9
IV 6000	93.4	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 5000	94.2	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
IV 4500	94.2	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
IV 4000	95.3	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4
IV 3500	95.7	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
IV 3000	96.1	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 2500	96.5	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
IV 2000	96.8	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	96.8	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	96.8	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	96.9	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	97.3	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	97.3	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	97.4	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	97.4	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	97.4	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	97.7	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	97.7	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	97.7	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	97.7	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	97.7	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	97.7	98.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUL  
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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	68.5	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV ≥ 18000	75.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 18000 6000	75.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV ≥ 14000	76.2	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
IV 14000 2000	78.0	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 ≥ 10000	84.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 10000 9000	84.8	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV ≥ 8000	86.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
IV 8000 7000	87.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6
IV ≥ 6000	88.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5
IV 6000 5000	89.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3
IV ≥ 4500	90.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5
IV 4500 4000	90.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
IV ≥ 3500	90.6	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
IV 3500 3000	90.6	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
IV ≥ 2500	90.7	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7
IV 2500 2000	91.5	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.8	93.8
IV ≥ 1800	91.5	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.8	93.8
IV 1800 1500	91.9	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2
IV ≥ 1200	92.5	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.8	94.8
IV 1200 1000	93.0	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.3
IV ≥ 900	93.4	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.7	95.7
IV 900 800	93.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	96.0	96.0
IV ≥ 700	94.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.4	96.4
IV 700 600	94.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	97.0	97.0
IV ≥ 500	94.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.6	97.6
IV 500 400	95.0	97.4	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5
IV ≥ 300	95.2	97.6	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.8	98.8
IV 300 200	95.2	97.6	98.0	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.5	99.5
IV ≥ 100	95.2	97.6	98.0	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7	100.0
IV 100 0	95.2	97.6	98.0	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

JUL

STATION

STATION NAME

YEARS

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	≥¼	≥5/16	≥¼	≥0
NO CEILING	68.1	70.7	71.0	71.5	71.8	71.8	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 20000	72.4	75.0	75.3	75.8	76.1	76.1	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 18000	72.4	75.0	75.3	75.8	76.1	76.1	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 16000	72.4	75.0	75.3	75.8	76.1	76.1	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 14000	72.7	75.3	75.5	76.1	76.3	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 12000	75.4	78.0	78.2	78.8	79.0	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 10000	78.8	81.6	81.9	82.4	82.7	82.7	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 9000	79.6	82.4	82.7	83.2	83.5	83.5	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 8000	82.5	85.3	85.6	86.2	86.4	86.4	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5
IV 7000	83.1	85.9	86.2	86.7	87.0	87.0	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0
IV 6000	83.6	86.6	86.8	87.4	87.6	87.6	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
IV 5000	85.8	88.7	89.0	89.5	89.8	89.8	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.9
IV 4500	85.8	88.7	89.0	89.5	89.8	89.8	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.9
IV 4000	85.8	88.8	89.1	89.7	89.9	89.9	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
IV 3500	86.0	89.1	89.4	89.9	90.2	90.2	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3
IV 3000	86.3	89.4	89.7	90.2	90.6	90.6	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8
IV 2500	86.6	89.7	89.9	90.5	90.9	90.9	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1
IV 2000	86.8	90.1	90.3	91.1	91.5	91.5	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.9
IV 1800	87.1	90.3	90.7	91.5	91.9	91.9	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.3
IV 1500	88.2	91.4	91.8	92.6	93.0	93.0	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.4
IV 1200	88.7	92.1	92.5	93.3	93.7	93.7	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.0
IV 1000	89.1	92.6	93.0	93.8	94.2	94.2	95.0	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 900	89.4	92.9	93.3	94.1	94.6	94.6	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	96.0
IV 800	89.4	92.9	93.5	94.4	94.9	94.9	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2
IV 700	89.5	93.1	94.0	94.9	95.4	95.4	96.4	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9
IV 600	89.8	93.4	94.4	95.4	96.0	96.0	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 500	89.8	93.5	94.5	95.6	96.2	96.2	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1
IV 400	89.9	93.8	94.9	96.1	96.8	96.8	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8
IV 300	90.1	94.0	95.0	96.4	97.3	97.3	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 200	90.2	94.1	95.2	96.5	97.4	97.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.9
IV 100	90.2	94.1	95.2	96.5	97.4	97.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	100.0
IV 0	90.2	94.1	95.2	96.5	97.4	97.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	74.6	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
≥ 20000	78.0	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 18000	78.0	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 16000	78.1	79.0	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 14000	78.2	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	79.3
IV 12000	79.7	80.6	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
IV 10000	83.1	84.0	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 9000	83.5	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 8000	87.0	87.9	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
IV 7000	87.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 6000	87.8	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 5000	88.4	89.7	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
IV 4500	88.4	89.7	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
IV 4000	88.7	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3500	89.1	90.6	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
IV 3000	89.5	91.0	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 2500	91.7	93.4	93.8	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 2000	92.3	94.4	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
IV 1800	92.5	94.5	95.0	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
IV 1500	93.5	95.8	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 1200	94.2	96.8	97.3	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 1000	94.8	97.3	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
IV 900	95.0	97.8	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
IV 800	95.3	98.1	98.7	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 700	95.3	98.1	98.7	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 600	95.4	98.5	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	99.5
IV 500	95.4	98.5	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	99.5
IV 400	95.4	98.5	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	99.5
IV 300	95.4	98.5	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	99.5
IV 200	95.4	98.5	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	99.5
IV 100	95.4	98.5	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	99.5
IV 0	95.4	98.5	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	99.5

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

JUL

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	68.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	74.9	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
≥ 14000	75.1	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
≥ 2000	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 10000	78.6	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
≥ 9000	78.8	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
≥ 8000	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 7000	81.5	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
≥ 6000	82.7	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
≥ 5000	87.5	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
≥ 4500	88.4	89.7	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
≥ 4000	91.5	92.7	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	93.1
≥ 3500	93.0	94.5	94.8	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
≥ 3000	94.0	95.4	95.7	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
≥ 2500	95.4	97.0	97.6	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
≥ 2000	96.0	97.7	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
≥ 1800	96.1	97.8	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
≥ 1500	96.5	98.4	98.9	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
≥ 1200	96.6	98.7	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	99.5
≥ 1000	96.6	98.7	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	99.5
≥ 900	96.6	98.7	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	99.5
≥ 800	96.6	98.7	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	99.5
≥ 700	96.6	98.7	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	99.5
≥ 600	96.6	98.8	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
≥ 500	96.6	98.8	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
≥ 400	96.6	98.8	99.5	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
≥ 300	96.6	98.8	99.5	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
≥ 200	96.6	98.8	99.5	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	96.6	98.8	99.5	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
≥ 0	96.6	98.8	99.5	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

TOTAL NUMBER OF OBSERVATIONS 744

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUL  
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	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	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	65.6	65.6
≥ 18000 IV 16000	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 14000 IV 12000	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 10000 IV 9000	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000 IV 7000	78.0	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	78.4	78.4
IV 6000 IV 5000	80.4	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 4500 IV 4000	82.5	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
IV 3500 IV 3000	82.9	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 2500 IV 2000	83.9	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	84.3	84.3
IV 1800 IV 1500	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200 IV 1000	93.3	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
IV 900 IV 800	96.8	97.6	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 IV 600	97.3	98.1	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 500 IV 400	97.8	98.7	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	98.8
IV 300 IV 200	98.1	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	99.3	99.3	99.3
IV 100 0	98.3	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	99.6	99.6	99.6
	98.5	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	99.9	99.9	99.9
	98.5	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	99.9	99.9	99.9
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0
	98.7	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUL  
MONTH

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	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	72.2	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	73.0	73.0	73.0
IV 20000	88.2	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
IV 18000	88.2	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
IV 16000	88.2	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
IV 14000	88.4	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 12000	89.5	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	90.3	90.3	90.3
IV 10000	91.4	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 9000	91.9	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	92.7	92.7	92.7
IV 8000	92.9	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
IV 7000	93.4	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 6000	94.1	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	94.9
IV 5000	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 4500	97.3	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	98.3
IV 4000	98.0	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	99.1	99.1
IV 3500	98.0	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	99.1	99.1
IV 3000	98.0	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	99.1	99.1
IV 2500	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744



# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	72.0	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 18000 16000	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
IV 14000 12000	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 10000 9000	91.5	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 8000 7000	92.7	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 6000 5000	94.2	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 4500 4000	96.9	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
IV 3500 3000	98.0	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 2500 2000	98.4	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 1800 1500	98.5	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 1200 1000	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900 800	98.8	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 700 600	98.9	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	98.9	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	100.0	100.0
IV 300 200	98.9	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	100.0	100.0
IV 100 0	98.9	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 US AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

JUL

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	69.9	70.7	70.8	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
≥ 20000	78.7	79.5	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 18000	78.7	79.5	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 16000	78.7	79.5	79.6	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 14000	79.2	80.0	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 12000	80.6	81.5	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 10000	84.5	85.4	85.5	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 9000	84.9	85.8	85.9	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 8000	87.0	87.9	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 7000	87.6	88.5	88.6	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 6000	88.5	89.4	89.5	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 5000	91.5	92.7	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 4500	91.8	93.0	93.1	93.2	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 4000	93.0	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
IV 3500	93.5	94.8	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
IV 3000	93.8	95.1	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
IV 2500	94.5	95.9	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
IV 2000	94.9	96.4	96.7	96.9	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
IV 1800	94.9	96.5	96.8	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1500	95.3	97.0	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	95.6	97.3	97.6	97.8	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
IV 1000	95.9	97.6	97.9	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	96.0	97.7	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	96.1	97.8	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	96.2	97.9	98.3	98.5	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
IV 600	96.3	98.1	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
IV 500	96.4	98.3	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	96.4	98.3	98.8	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV 300	96.4	98.4	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	96.4	98.4	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.4	98.4	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	96.4	98.4	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23747  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

AUG  
MONTH

## 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	≥½	≥¼	≥0	≥0	
NO CEILING ≥ 20000	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 18000 16000	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 14000 12000	75.3	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	75.9	75.9
IV 10000 9000	77.3	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
IV 8000 7000	83.7	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
IV 6000 5000	85.2	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	86.4
IV 4500 4000	86.7	87.9	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
IV 3500 3000	89.8	91.1	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
IV 2500 2000	89.9	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	91.4
IV 1800 1500	91.6	93.1	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 1200 1000	91.9	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900 800	92.5	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 700 600	92.7	94.6	94.8	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
IV 500 400	93.1	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	95.4
IV 300 200	93.3	95.2	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	95.6
IV 100 0	93.5	95.4	95.7	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
	93.6	95.7	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
	94.1	96.1	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
	94.2	96.2	96.5	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
	94.6	96.8	97.0	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
	94.9	96.9	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
	95.4	97.4	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	96.1	98.1	98.4	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
	96.2	98.5	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	96.4	98.8	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
	96.5	98.9	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	96.5	98.9	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

3300-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	68.1	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0
≥ 20000	71.8	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6
≥ 18000	71.8	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6
≥ 16000	71.8	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6
≥ 14000	72.3	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5
≥ 12000	74.3	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5
≥ 10000	80.8	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	82.3	82.3
≥ 9000	81.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.8	82.8
≥ 8000	83.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.3
≥ 7000	84.8	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4
≥ 6000	85.6	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 5000	87.6	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7
≥ 4500	87.6	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7
≥ 4000	88.4	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.9	90.9
≥ 3500	88.4	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.9	90.9
≥ 3000	89.0	91.1	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	91.7	91.7
≥ 2500	89.2	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	92.2	92.2
≥ 2000	89.8	92.3	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	93.0	93.0
≥ 1800	89.8	92.3	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	93.0	93.0
≥ 1500	90.1	92.7	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7	93.7
≥ 1200	90.3	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.5	94.5
≥ 1000	90.9	93.8	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	95.0	95.0
≥ 900	90.9	93.8	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	95.0	95.0
≥ 800	90.9	94.0	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.2	95.2
≥ 700	91.5	94.8	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	96.0	96.0
≥ 600	92.1	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	96.5	96.5
≥ 500	92.6	96.0	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.2	97.2
≥ 400	92.6	96.6	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	98.0	98.0
≥ 300	92.6	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8	98.8
≥ 200	92.6	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.9	98.9
≥ 100	92.6	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.9	98.9
≥ 0	92.6	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 47  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

AUG  
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	≥¼	≥5/16	≥¼	≥0	
NO CEILING ≥ 2000	65.6	66.9	67.6	67.9	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.8	68.8
≥ 1800 ≥ 1500	69.8	71.2	71.9	72.2	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.0	73.0	73.1	73.1
≥ 1400 ≥ 1200	70.0	71.6	72.6	72.8	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.7	73.7	73.8	73.8
≥ 1000 ≥ 900	77.7	79.3	80.4	80.6	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.5	81.5	81.6	81.7
≥ 800 ≥ 700	78.6	80.2	81.3	81.6	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.7	82.8
≥ 600 ≥ 500	81.6	83.3	84.4	84.7	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.6	85.6	85.8	85.9
≥ 450 ≥ 400	83.2	85.3	86.6	86.8	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.2	88.3
≥ 350 ≥ 300	83.5	85.8	87.0	87.2	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.6	88.7
≥ 250 ≥ 200	84.9	87.4	88.6	88.8	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.1	90.1	90.2	90.3
≥ 180 ≥ 150	84.9	87.4	88.6	88.8	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.1	90.1	90.2	90.3
≥ 120 ≥ 100	85.1	87.6	88.8	89.1	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.5	90.6
≥ 90 ≥ 80	85.1	87.6	88.8	89.1	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.5	90.6
≥ 70 ≥ 60	85.6	88.3	89.5	89.9	90.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1	91.3	91.4
≥ 50 ≥ 40	65.6	88.7	90.3	90.7	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9	92.1	92.2
≥ 30 ≥ 20	85.8	88.7	90.3	90.7	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9	92.1	92.2
≥ 100 ≥ 80	86.4	89.5	91.1	91.5	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.9	93.0
≥ 70 ≥ 60	86.7	89.8	91.4	91.9	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.1	93.3	93.4
≥ 50 ≥ 40	87.2	90.3	91.9	92.5	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.8	93.8	94.0	94.1
≥ 30 ≥ 20	87.2	90.5	92.5	93.0	93.7	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.6	94.8
≥ 100 ≥ 80	87.2	90.7	92.9	93.4	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.9	94.9	95.0	95.2
≥ 70 ≥ 60	87.4	91.0	93.1	93.7	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2	95.3	95.4
≥ 50 ≥ 40	87.9	91.8	94.1	95.2	96.0	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8	96.8	96.9	97.0
≥ 30 ≥ 20	88.0	92.5	94.8	95.8	96.6	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.6	97.7
≥ 100 ≥ 80	88.0	92.6	94.9	96.2	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1	98.1	98.3	98.4
≥ 70 ≥ 60	88.0	92.6	94.9	96.2	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3	98.5	98.9
≥ 50 ≥ 40	88.0	92.6	94.9	96.2	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.5	98.5	99.1	99.5
≥ 30 ≥ 20	88.0	92.6	94.9	96.2	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.5	98.5	99.1	100.0
≥ 100 ≥ 80	88.0	92.6	94.9	96.2	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.5	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	69.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV ≥ 18000	74.1	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 16000	74.9	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 14000	75.8	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 12000	78.0	79.4	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 10000	82.8	84.3	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
IV 9000	82.8	84.3	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
IV 8000	85.2	87.1	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 7000	86.3	88.2	88.4	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
IV 6000	86.7	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 5000	87.1	89.4	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
IV 4500	87.1	89.4	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
IV 4000	87.4	89.8	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 3500	88.2	90.7	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 3000	88.3	90.9	91.1	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 2500	89.2	91.8	92.1	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 2000	90.1	92.7	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
IV 1800	90.1	92.9	93.1	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
IV 1500	91.5	94.4	94.6	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
IV 1200	91.8	94.8	95.0	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 1000	92.2	95.4	95.7	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 900	92.3	95.7	96.0	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 800	92.5	96.5	96.8	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
IV 700	92.5	96.6	96.9	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 600	92.6	96.8	97.3	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
IV 500	92.7	97.0	97.6	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
IV 400	92.9	97.4	98.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	92.9	97.7	98.3	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	92.9	97.7	98.3	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.9	97.7	98.3	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.9	97.7	98.3	99.6	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

AUG  
 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	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 20000	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 18000	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 16000	75.5	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 14000	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 12000	76.5	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 10000	81.2	81.6	81.6	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
IV 9000	81.5	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 8000	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 7000	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 6000	83.5	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	86.8	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
IV 4500	88.3	89.4	89.4	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	89.1	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
IV 3500	91.0	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	93.7	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 2000	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1800	94.8	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	95.2	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1200	95.2	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	95.4	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	95.7	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	95.7	98.4	98.4	98.4	98.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	95.8	98.9	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	96.1	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	96.1	99.6	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

AUG  
 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 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
IN 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	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
IN 2000	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	78.9	78.9
≥ 12000	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	82.3
IN 9000	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
IN 8000	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
IN 7000	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	84.3	84.3
IN 6000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IN 5000	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
IN 4500	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
IN 4000	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
IN 3500	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	96.4
IN 3000	96.6	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
IN 2500	96.8	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
IN 2000	96.9	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
IN 1800	97.2	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	98.3
IN 1500	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 1200	97.8	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	99.1	99.1
IN 1000	97.8	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	99.3
IN 900	97.8	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
IN 800	97.8	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
IN 700	97.8	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 600	97.8	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 500	97.8	99.5	99.5	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
IN 400	97.8	99.5	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
IN 300	97.8	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	97.8	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	97.8	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	97.8	99.5	99.5	99.6	99.9	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 744



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

AUG  
MONTH

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	¾	¾	¾	≥5/16	¼	≥0
NO CEILING ≥ 20000	70.2	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	70.4	70.4
≥ 18000 ≥ 16000	80.9	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
≥ 14000 ≥ 12000	81.2	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
≥ 10000 ≥ 9000	84.4	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
≥ 8000 ≥ 7000	88.4	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
≥ 6000 ≥ 5000	89.2	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
≥ 4500 ≥ 4000	90.7	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
≥ 3500 ≥ 3000	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500 ≥ 2000	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	92.7	92.7	92.7
≥ 1800 ≥ 1500	94.1	94.5	94.5	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
≥ 1200 ≥ 1000	94.4	94.9	94.9	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
≥ 900 ≥ 800	95.4	96.1	96.2	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
≥ 700 ≥ 600	96.1	96.8	96.9	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
≥ 500 ≥ 400	96.4	97.0	97.4	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
≥ 300 ≥ 200	96.6	97.3	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
≥ 100 0	96.8	97.4	97.8	98.1	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
	97.2	97.8	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	97.4	98.1	98.5	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
	97.7	98.4	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	99.3	99.3
	97.7	98.4	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	99.3	99.3
	97.8	98.5	98.9	99.3	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
	97.8	98.5	98.9	99.3	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
	98.0	98.7	99.1	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	99.6
	98.1	98.8	99.2	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
	98.1	98.9	99.3	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
	98.1	98.9	99.3	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
	98.1	98.9	99.3	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
	98.1	98.9	99.3	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
	98.1	98.9	99.3	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
	98.1	98.9	99.3	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
	98.1	98.9	99.3	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
	98.1	98.9	99.3	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

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

AUG

STATION

STATION NAME

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	¾	¾	¾	¾	≥0
NO CEILING	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	72.4	72.4
≥ 20000	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	79.8
IV 18000	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	79.8
IV 16000	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	79.8
IV 14000	80.2	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	80.4
IV 12000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 10000	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 9000	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
IV 8000	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 7000	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	90.2	90.2
IV 6000	91.4	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 5000	93.5	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 4500	94.4	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	94.8
IV 4000	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	95.6	95.6
IV 3500	95.6	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	96.1
IV 3000	95.8	96.2	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 2500	96.2	96.8	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 2000	96.4	97.0	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
IV 1800	96.5	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	97.3
IV 1500	96.6	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	97.4
IV 1200	96.6	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
IV 1000	96.6	97.6	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 900	96.6	97.6	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 800	97.0	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	98.1
IV 700	97.4	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	98.7
IV 600	98.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	98.3	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	99.6	99.6
IV 400	98.3	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
IV 300	98.3	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 200	98.3	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 100	98.3	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 0	98.3	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

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

AUG  
 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	¾	¾	≥5/16	¼	≥0
NO CEILING	68.8	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 20000	75.2	75.8	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	75.3	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2
≥ 16000	75.5	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4
≥ 14000	76.0	76.7	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1
≥ 12000	77.9	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0
≥ 10000	83.1	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2
≥ 9000	83.6	84.3	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7
≥ 8000	85.4	86.3	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
≥ 7000	86.0	86.9	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4
≥ 6000	87.0	88.1	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6
≥ 5000	89.4	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1
≥ 4500	90.0	91.2	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7
≥ 4000	90.8	92.2	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥ 3500	91.5	92.9	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5
≥ 3000	92.1	93.5	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
≥ 2500	92.5	94.1	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 2000	92.9	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5
≥ 1800	93.1	94.8	95.2	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6
≥ 1500	93.5	95.4	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
≥ 1200	93.8	95.7	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
≥ 1000	94.0	96.1	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0
≥ 900	94.1	96.3	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
≥ 800	94.2	96.5	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
≥ 700	94.4	96.8	97.3	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥ 600	94.7	97.2	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4
≥ 500	95.0	97.5	98.1	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 400	95.0	97.8	98.4	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 300	95.0	98.0	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6
≥ 200	95.0	98.0	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 100	95.0	98.0	98.6	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.9
≥ 0	95.0	98.0	98.6	99.1	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

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	≥½	≥¼	≥1/16	≥0	≥0	
NO CEILING ≥ 20000	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 18000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 16000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 14000	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 10000	75.8	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	76.5	76.5
IV 9000	76.4	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 8000	77.8	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	78.5	78.5	78.5
IV 7000	79.2	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000	79.4	80.6	80.7	80.7	80.7	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 5000	83.8	85.1	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
IV 4500	84.0	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4000	84.3	85.8	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
IV 3500	85.1	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	86.8	86.8
IV 3000	85.8	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500	87.1	88.8	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
IV 2000	88.5	90.1	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	90.3	90.3
IV 1800	88.5	90.1	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	90.3	90.3
IV 1500	89.0	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	90.8
IV 1200	89.4	91.1	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
IV 1000	89.7	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	91.5
IV 900	90.0	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	91.9
IV 800	91.4	93.9	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 700	91.9	94.6	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 600	91.9	94.6	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 500	91.9	94.9	95.7	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
IV 400	92.2	95.4	96.4	96.9	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	92.4	96.0	97.1	98.1	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	92.4	96.0	97.1	98.1	98.3	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	92.4	96.0	97.1	98.1	98.3	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
IV 0	92.4	96.0	97.1	98.1	98.3	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

SEP

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	63.1	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.3
IV 18000 6000	66.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5
IV 14000 12000	66.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5
IV 12000 9000	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4
IV 10000 8000	72.1	73.1	73.1	73.1	73.1	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 7000	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9
IV 6000 5000	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.4
IV 4500 4000	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.4
IV 3500 3000	79.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.3	81.3	81.3	81.3
IV 2500 2000	80.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2
IV 1800 1500	81.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6
IV 1200 1000	82.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0
IV 900 800	83.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7
IV 700 600	84.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9
IV 500 400	85.0	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.1	87.1	87.1	87.1
IV 300 200	86.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2
IV 100 0	86.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
	87.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.6	89.6	89.6	89.6
	87.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.6	89.6	89.6	89.6
	88.8	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.3	91.3	91.3	91.3
	89.0	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8
	89.7	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.8	92.8	92.8	92.8
	90.1	93.5	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.3	94.3	94.3	94.3
	90.8	95.0	95.3	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4
	91.0	95.8	96.1	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.8	97.8
	91.0	95.8	96.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	98.1	98.1	98.1	98.3	98.3	98.5	98.9
	91.0	95.8	96.1	97.1	97.5	97.5	97.5	98.2	98.2	98.2	98.6	98.8	98.8	98.9	98.9	99.4	99.4
	91.0	95.8	96.1	97.1	97.5	97.5	98.2	98.2	98.2	98.2	98.6	98.8	98.8	99.0	99.0	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0800  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	57.1	61.0	61.9	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.8	62.8	62.9	62.9
IV 20000	60.3	64.3	65.3	65.6	65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.3	66.3	66.4	66.4
IV 18000	60.3	64.3	65.3	65.6	65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.3	66.3	66.4	66.4
IV 16000	60.3	64.3	65.3	65.6	65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.3	66.3	66.4	66.4
IV 14000	60.4	64.6	65.6	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.5	66.5	66.7	66.7
IV 12000	61.7	65.8	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.8	67.8	67.9	67.9
IV 10000	66.3	70.6	71.5	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.6	72.6	72.9	72.9
IV 9000	67.1	71.4	72.4	72.6	72.9	72.9	72.9	72.9	72.9	72.9	73.1	73.1	73.5	73.5	73.8	73.8
IV 8000	70.1	74.6	75.6	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.7	76.7	76.9	76.9
IV 7000	71.4	75.8	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.9	77.9	78.2	78.2
IV 6000	71.5	76.0	76.9	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	78.1	78.1	78.3	78.3
IV 5000	73.1	77.5	78.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.2	79.2	79.6	79.6	79.9	79.9
IV 4500	73.1	77.5	78.6	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.7	79.7	80.0	80.0
IV 4000	74.0	78.8	79.9	80.1	80.4	80.4	80.4	80.6	80.6	80.6	80.7	80.7	81.1	81.1	81.5	81.5
IV 3500	74.6	79.3	80.4	80.7	81.0	81.0	81.0	81.1	81.1	81.1	81.3	81.3	81.7	81.7	82.1	82.1
IV 3000	75.1	79.9	81.1	81.4	81.7	81.7	81.7	81.8	81.8	81.8	81.9	81.9	82.4	82.4	82.8	82.8
IV 2500	75.7	80.6	81.8	82.1	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	83.1	83.1	83.5	83.5
IV 2000	76.4	81.3	82.5	82.8	83.1	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.8	83.8	84.2	84.2
IV 1800	76.5	81.5	82.9	83.2	83.5	83.5	83.5	83.6	83.6	83.6	83.8	83.8	84.2	84.2	84.6	84.6
IV 1500	77.1	82.5	84.0	84.4	84.7	84.9	84.9	85.0	85.0	85.0	85.1	85.1	85.6	85.6	86.0	86.0
IV 1200	78.5	83.9	85.4	85.8	86.1	86.3	86.3	86.4	86.4	86.4	86.5	86.5	86.9	86.9	87.4	87.4
IV 1000	79.0	84.6	86.1	86.5	86.9	87.1	87.1	87.2	87.2	87.2	87.4	87.4	87.8	87.8	88.2	88.2
IV 900	79.4	85.0	86.5	86.9	87.4	87.5	87.5	87.6	87.6	87.6	87.8	87.8	88.2	88.2	88.6	88.6
IV 800	80.0	86.1	87.6	88.1	88.5	88.6	88.6	88.8	88.8	88.8	88.9	88.9	89.3	89.3	89.7	89.7
IV 700	80.1	86.4	88.2	88.6	89.3	89.4	89.4	89.6	89.6	89.6	89.7	89.7	90.1	90.1	90.6	90.6
IV 600	80.7	87.1	88.9	89.3	90.1	90.3	90.3	90.4	90.4	90.4	90.6	90.6	91.0	91.0	91.4	91.4
IV 500	81.4	88.5	90.6	91.1	92.1	92.2	92.2	92.4	92.4	92.4	92.5	92.5	92.9	92.9	93.3	93.3
IV 400	81.9	90.1	92.3	93.3	94.4	94.6	94.6	94.7	94.7	94.9	95.0	95.0	95.4	95.4	95.8	95.8
IV 300	81.9	90.6	93.2	94.4	95.7	96.1	96.3	96.7	96.7	97.1	97.2	97.2	97.6	97.6	98.1	98.1
IV 200	81.9	90.6	93.3	94.6	96.0	96.4	96.8	96.9	96.9	97.8	98.1	98.1	98.5	98.5	98.9	99.0
IV 100	81.9	90.6	93.3	94.6	96.0	96.4	96.8	96.9	96.9	97.8	98.3	98.3	98.8	98.8	99.4	99.9
IV 0	81.9	90.6	93.3	94.6	96.0	96.4	96.8	96.9	96.9	97.8	98.3	98.3	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	61.7	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 2000	64.9	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 1800	65.4	68.5	69.6	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
IV 1600	66.0	69.0	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
IV 1400	66.7	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 1200	67.5	70.8	71.0	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 1000	71.1	74.7	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4
IV 900	71.8	75.6	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3
IV 800	74.2	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8
IV 700	74.7	78.6	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3
IV 600	75.6	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1
IV 500	76.9	81.1	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8
IV 4500	77.1	81.3	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9
IV 4000	77.5	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.4	82.4
IV 3500	78.5	82.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3
IV 3000	79.2	83.3	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0
IV 2500	79.9	84.3	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0
IV 2000	81.1	85.8	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5
IV 1800	81.7	86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1
IV 1500	82.4	87.9	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6
IV 1200	83.8	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0
IV 1000	84.0	90.7	91.3	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8
IV 900	84.4	91.4	91.9	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8
IV 800	84.6	92.2	92.9	93.6	93.6	93.6	93.8	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0
IV 700	85.0	92.9	94.0	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.3	95.3	95.3	95.3	95.3
IV 600	85.0	93.2	94.3	95.1	95.4	95.4	95.7	95.7	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	85.0	93.2	94.6	95.4	95.8	95.8	96.4	96.4	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	85.1	93.8	95.4	96.5	96.9	96.9	97.5	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
IV 300	85.1	93.8	95.6	96.9	97.6	97.6	98.3	98.3	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	85.1	93.8	95.6	97.1	97.8	97.8	98.5	98.8	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	85.1	93.8	95.6	97.1	97.8	97.8	98.5	98.8	98.9	99.0	99.6	99.6	99.7	99.7	99.7	100.0
IV 0	85.1	93.8	95.6	97.1	97.8	97.8	98.5	98.8	98.9	99.0	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

SEP  
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	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING ≥ 20000	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000 16000	66.8	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 14000 12000	67.1	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000 9500	68.2	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 8000 7000	70.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000 5000	73.2	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 4500 4000	73.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500 3000	76.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2500 2000	76.9	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 1800 1500	77.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1200 1000	81.3	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 900 800	82.1	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
IV 700 600	84.3	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
IV 500 400	85.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 300 200	86.4	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
IV 100 0	88.1	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	90.4	90.4
	89.6	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	92.5
	89.7	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
	90.6	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
	90.7	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
	90.8	94.3	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
	91.3	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	95.6
	91.3	95.1	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
	91.9	96.3	96.8	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
	91.9	96.3	96.8	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	91.9	96.3	96.9	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	91.9	96.8	97.9	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	91.9	96.8	97.9	98.5	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	91.9	96.8	97.9	98.6	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	91.9	96.8	97.9	98.6	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	91.9	96.8	97.9	98.6	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1/4	≥1	≥1/2	≥1/4	≥1/8	≥5/16	≥1/8	≥0
NO CEILING	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 2000	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 1800	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 1600	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 1400	70.0	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 1200	71.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 1000	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 900	75.4	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 800	78.8	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 700	79.6	80.7	80.7	80.7	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 600	81.1	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 500	86.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 450	87.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 400	88.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 350	89.0	90.6	90.6	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 300	90.6	92.2	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	92.4
IV 250	91.9	93.6	93.6	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 200	92.2	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	92.2	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	92.6	94.6	94.6	94.7	94.9	94.9	94.9	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200	93.1	94.9	94.9	95.0	95.1	95.1	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	93.3	95.1	95.1	95.3	95.4	95.4	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	93.6	95.6	95.7	95.8	96.0	96.0	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	94.0	96.1	96.3	96.4	96.5	96.5	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	94.3	96.5	96.7	96.8	96.9	96.9	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	94.3	96.8	97.1	97.2	97.5	97.5	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 500	94.3	97.5	98.1	98.6	98.9	99.0	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	94.3	97.5	98.1	98.8	99.2	99.3	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	94.3	97.5	98.1	98.9	99.3	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.3	97.5	98.1	98.9	99.3	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.3	97.5	98.1	98.9	99.3	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.3	97.5	98.1	98.9	99.3	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47

AMARILLO MAP TX

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

## 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	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 2000	78.6	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
≥ 1800	78.6	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
≥ 1600	78.6	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
≥ 1400	78.6	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
≥ 1200	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 900	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
≥ 800	96.3	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
≥ 700	86.8	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
≥ 600	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 500	89.9	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	90.3	90.3
≥ 450	90.0	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	90.4	90.4
≥ 400	90.7	91.1	91.1	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
≥ 350	91.1	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
≥ 300	91.7	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
≥ 250	92.6	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 200	92.8	93.5	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
≥ 1800	92.9	93.6	93.6	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
≥ 1500	93.1	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	93.9
≥ 1200	93.3	94.2	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
≥ 1000	93.8	94.9	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
≥ 900	94.3	95.4	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
≥ 800	95.1	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	96.8
≥ 700	95.3	96.7	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	95.8	97.4	97.8	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	95.8	97.4	97.9	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	95.8	97.4	97.9	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
≥ 300	96.0	97.5	98.1	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	96.0	97.5	98.2	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.0	97.5	98.2	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	96.0	97.5	98.2	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 47  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
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	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 20000	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 18000	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 16000	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 14000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 12000	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 10000	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 9500	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000	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	83.6	83.6	83.6
IV 7500	84.4	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 6000	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	85.0
IV 5500	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	86.8	86.8
IV 4500	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	88.1	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
IV 3500	88.2	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	88.5
IV 3000	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2500	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	90.6	91.1	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
IV 1800	90.6	91.1	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
IV 1500	91.0	91.5	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
IV 1200	91.4	91.9	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
IV 1000	91.8	92.6	92.8	92.8	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 900	92.2	93.1	93.2	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
IV 800	92.6	93.6	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
IV 700	92.9	94.0	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 600	93.3	94.4	94.9	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 500	93.6	95.4	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
IV 400	94.0	96.0	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	94.2	96.4	97.5	97.8	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 200	94.3	96.7	97.9	98.2	98.5	98.5	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2
IV 100	94.3	96.7	97.9	98.2	98.5	98.5	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.4	99.4	99.9
IV 0	94.3	96.7	97.9	98.2	98.5	98.5	98.9	98.9	98.9	98.9	99.3	99.3	99.3	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
 STATION

AMAPILLO MAP TX  
 STATION NAME

73-80  
 YEARS

SEP  
 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	63.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	69.1	70.4	70.6	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
IV 16000	69.3	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9
IV 14000	69.6	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3
IV 12000	71.3	72.6	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
IV 10000	75.1	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.0	77.0
IV 9500	75.7	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.6	77.6
IV 8000	77.8	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.8
IV 7000	78.6	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7
IV 6000	79.2	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.4
IV 5000	82.2	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4
IV 4500	82.6	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.9
IV 4000	83.5	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9
IV 3500	84.1	86.1	86.3	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
IV 3000	85.1	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.7	87.7
IV 2500	86.2	88.4	88.6	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
IV 2000	87.0	89.4	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.0
IV 1800	87.1	89.5	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.2
IV 1500	87.7	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0
IV 1200	88.4	91.1	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.9	91.9
IV 1000	88.8	91.6	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.4	92.4	92.4
IV 900	89.1	92.1	92.4	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	93.0	93.0
IV 800	89.7	93.0	93.5	93.7	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.1	94.1
IV 700	90.1	93.6	94.2	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9
IV 600	90.3	94.0	94.6	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.5	95.5
IV 500	90.5	94.6	95.5	95.9	96.2	96.2	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.6	96.6
IV 400	90.8	95.2	96.3	96.9	97.3	97.4	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8
IV 300	90.9	95.5	96.7	97.5	98.0	98.2	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.8
IV 200	90.9	95.6	96.8	97.7	98.2	98.4	98.7	98.8	98.8	98.8	99.0	99.1	99.1	99.2	99.2	99.3
IV 100	90.9	95.6	96.8	97.7	98.2	98.4	98.8	98.9	98.9	98.9	99.1	99.3	99.3	99.4	99.4	99.7
IV 0	90.9	95.6	96.8	97.7	98.2	98.4	98.8	98.9	98.9	98.9	99.1	99.3	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

73-80

OCT

STATION

STATION NAME

YEARS

MONTH

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	¾	¾	≥5/16	¾	≥0	
NO CEILING ≥ 2000	77.7	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 1800	81.0	82.5	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
IV 1400	81.0	82.5	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
IV 1000	81.6	83.1	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
IV 900	82.4	84.0	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 800	82.8	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 700	83.7	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
IV 600	83.9	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 500	84.5	86.4	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 450	84.8	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 400	84.9	87.1	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
IV 350	86.3	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 300	87.1	89.5	89.9	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
IV 250	87.9	90.5	90.9	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
IV 200	88.6	91.1	91.5	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 180	89.7	92.2	92.6	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	92.7
IV 150	89.7	92.2	92.6	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	92.7
IV 120	89.8	92.3	92.7	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 100	90.9	93.4	93.8	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 90	91.4	94.0	94.4	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 80	91.4	94.0	94.4	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 70	91.9	94.6	95.0	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 60	92.7	95.7	96.1	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 50	93.0	96.1	96.5	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 40	93.3	96.4	96.9	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 30	93.3	96.4	96.9	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 20	93.3	96.5	97.0	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
IV 100	93.3	96.5	97.0	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
IV 0	93.3	96.5	97.0	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

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

OCT  
 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	76.9	78.4	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.2
IV 18000 16000	78.8	80.2	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.0
IV 14000 12000	78.8	80.2	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	81.0
IV 10000 9000	82.8	84.3	84.5	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.1
IV 8000 7000	84.3	85.8	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.6
IV 6000 5000	84.8	86.3	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.1
IV 4500 4000	86.0	87.8	88.0	88.0	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.6
IV 3500 3000	87.5	89.2	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.1
IV 2500 2000	88.8	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	91.0	91.4
IV 1800 1500	90.3	92.1	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.9
IV 1200 1000	90.9	92.6	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.4
IV 900 800	91.1	93.0	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.8
IV 700 600	91.5	93.7	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.5
IV 500 400	92.2	94.9	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7
IV 300 200	92.5	95.4	95.8	95.8	96.1	96.1	96.4	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	97.3
IV 100 0	92.5	95.4	95.8	95.8	96.1	96.2	96.6	96.6	96.9	96.9	97.3	97.3	97.3	97.6	97.6	98.3

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

OCT  
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	≥¼	≥3/16	≥¼	≥0
NO CEILING	73.3	75.4	75.8	75.9	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9	77.2
≥ 20000	75.8	78.0	78.4	78.6	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.8
IV 18000	75.8	78.0	78.4	78.6	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.8
≥ 16000	75.8	78.0	78.4	78.6	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.8
IV 14000	76.5	78.6	79.0	79.3	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.6
≥ 12000	76.6	78.8	79.2	79.4	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.8
IV 10000	78.0	80.2	80.6	80.9	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.3
≥ 9000	78.1	80.4	80.8	81.0	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.4
IV 8000	79.4	81.7	82.1	82.4	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.7
≥ 7000	79.4	81.7	82.1	82.4	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.7
IV 6000	79.8	82.1	82.5	82.8	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.3
≥ 5000	80.6	82.9	83.3	83.6	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	85.1
IV 4500	80.8	83.1	83.5	83.7	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.3
≥ 4000	81.6	83.9	84.4	84.7	85.5	85.5	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.3
IV 3500	81.7	84.0	84.5	84.8	85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.4
≥ 3000	82.3	84.5	85.1	85.5	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	87.1
IV 2500	82.4	84.7	85.2	85.6	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.2
≥ 2000	83.9	86.2	86.8	87.2	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.8
IV 1800	83.9	86.2	86.8	87.2	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.8
≥ 1500	84.4	86.8	87.6	88.0	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.7
IV 1200	85.6	88.2	89.0	89.4	90.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7	91.0
≥ 1000	86.0	89.0	89.8	90.2	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.8
IV 900	86.4	89.4	90.2	90.7	91.5	91.5	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1	92.3
≥ 800	86.6	89.5	90.5	91.0	91.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.7
IV 700	86.7	89.8	91.1	91.7	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.4
≥ 600	86.8	90.2	91.8	92.3	93.1	93.1	93.7	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.2
IV 500	87.0	90.3	91.9	92.6	93.8	93.8	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.9
≥ 400	87.2	91.0	92.7	93.5	94.8	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	96.0
IV 300	87.2	91.0	92.7	93.7	95.0	95.0	95.8	96.0	96.0	96.0	96.2	96.2	96.5	96.5	96.5	96.8
≥ 200	87.2	91.0	92.9	93.8	95.4	95.4	96.4	96.5	96.5	96.5	97.0	97.0	97.0	97.6	97.7	98.1
IV 100	87.2	91.0	92.9	93.8	95.4	95.4	96.4	96.5	96.5	96.5	97.0	97.0	97.0	97.6	97.7	98.9
≥ 0	87.2	91.0	92.9	93.8	95.4	95.4	96.4	96.5	96.5	96.5	97.0	97.0	97.0	97.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.47  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

OCT  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	73.5	75.1	75.5	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
≥ 2000	79.3	81.0	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IN 1800	79.3	81.0	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IN 6500	79.6	81.3	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
IN 14000	80.6	82.4	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
IN 12000	81.6	83.5	83.9	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
IN 10000	82.1	84.1	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IN 9000	82.3	84.3	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IN 8000	82.8	84.8	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6
IN 7000	83.1	85.1	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9
IN 6000	83.3	85.3	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2
IN 5000	83.5	85.6	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4
IN 4500	83.9	86.0	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8
IN 4000	84.9	87.1	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0
IN 3500	84.9	87.1	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3
IN 3000	85.6	87.8	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0
IN 2500	85.8	87.9	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
IN 2000	86.4	88.6	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
IN 1800	86.8	89.2	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5
IN 1500	87.1	90.1	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3
IN 1200	87.4	90.6	91.4	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9
IN 1000	87.8	91.0	91.9	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5
IN 900	88.0	91.8	92.7	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
IN 800	88.0	91.9	93.0	93.3	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.0
IN 700	88.0	92.1	93.3	93.8	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8
IN 600	88.3	92.3	93.7	94.5	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6
IN 500	88.2	92.5	94.0	94.8	96.0	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
IN 400	88.2	92.5	94.1	95.0	96.4	96.5	96.9	96.9	96.9	96.9	97.0	97.0	97.2	97.2	97.2	97.2
IN 300	88.2	92.9	94.5	95.4	96.8	96.9	97.7	97.7	97.8	97.8	97.8	97.8	98.5	98.7	98.8	98.9
IN 200	88.2	92.9	94.5	95.4	96.8	96.9	97.7	97.8	97.8	97.8	98.3	98.4	98.5	98.7	98.8	99.1
IN 100	88.2	92.9	94.5	95.4	96.8	96.9	97.7	97.8	97.8	97.8	98.3	98.4	98.5	98.7	98.8	99.2
IN 0	88.2	92.9	94.5	95.4	96.8	96.9	97.7	97.8	97.8	97.8	98.3	98.4	98.5	98.7	98.9	99.3

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23747  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

OCT  
 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	78.6	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 20000	82.7	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
IV 18000	82.7	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
IV 16000	83.2	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 14000	83.9	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 12000	83.9	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 10000	84.7	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 9000	84.7	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 8000	86.7	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 7000	86.7	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 6000	86.8	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	88.2
IV 5000	87.0	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
IV 4500	87.4	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	88.7
IV 4000	88.4	89.9	89.9	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
IV 3500	89.4	91.1	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 3000	89.8	91.5	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 2500	90.1	91.8	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
IV 2000	90.9	92.6	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 1800	90.9	92.6	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 1500	91.0	93.0	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	91.3	93.5	94.0	94.1	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 1000	91.4	94.1	94.5	94.6	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 900	91.4	94.2	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	91.4	94.4	94.8	94.9	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 700	91.5	94.6	95.4	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
IV 600	91.7	94.8	95.7	96.2	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	91.7	94.9	95.8	96.6	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	91.7	95.0	96.0	96.8	97.6	97.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	91.8	95.4	96.5	97.3	98.1	98.1	98.4	98.5	98.5	98.9	99.2	99.3	99.3	99.3	99.3	99.3
IV 200	91.8	95.4	96.5	97.3	98.1	98.1	98.4	98.5	98.5	99.1	99.3	99.6	99.7	99.7	99.9	99.9
IV 100	91.8	95.4	96.5	97.3	98.1	98.1	98.4	98.5	98.5	99.1	99.3	99.6	99.9	99.9	100.0	100.0
IV 0	91.8	95.4	96.5	97.3	98.1	98.1	98.4	98.5	98.5	99.1	99.3	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

OCT

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	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	78.9	78.9
IV 18000 16000	83.6	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 14000 12000	83.9	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 10000 9000	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 8000 7000	85.9	86.2	86.2	86.2	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	86.2	86.4	86.4	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
IV 4500 4000	87.8	88.2	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
IV 3500 3000	87.8	88.2	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
IV 2500 2000	88.7	89.1	89.1	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
IV 1800 1500	89.1	89.7	89.7	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
IV 1200 1000	90.1	90.6	90.6	90.6	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 900 800	90.5	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700 600	91.4	91.9	91.9	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
IV 500 400	92.1	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 300 200	92.3	93.4	93.5	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
IV 100 0	92.3	93.4	93.5	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
	92.5	94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
	92.9	94.5	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
	93.3	95.4	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4
	93.4	95.6	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
	93.4	96.1	96.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
	93.4	96.4	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
	93.4	96.5	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
	93.4	96.5	97.0	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
	93.4	96.5	97.0	97.7	98.3	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
	93.5	96.6	97.2	97.8	98.4	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8
	93.5	96.6	97.2	97.8	98.4	98.4	98.7	98.7	98.7	98.7	99.2	99.3	99.3	99.5	99.5	99.5
	93.5	96.6	97.2	97.8	98.4	98.4	98.7	98.7	98.7	98.7	99.2	99.3	99.3	99.5	99.5	99.9
	93.5	96.6	97.2	97.8	98.4	98.4	98.7	98.7	98.7	98.7	99.2	99.3	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

OCT  
MONTH

## 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	79.4	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	80.0
IV 18000 1500	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1
IV 14000 1200	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.2
IV 10000 900	86.2	86.7	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	87.2
IV 8000 700	87.2	87.9	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	88.4
IV 6000 500	88.2	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.5
IV 4500 400	89.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9
IV 3500 300	91.5	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	93.1
IV 2500 200	92.5	93.7	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	94.2
IV 1800 1500	93.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.9
IV 1200 1000	93.6	95.0	95.3	95.4	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.0
IV 900 800	94.0	95.3	95.7	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.5
IV 700 600	94.0	95.4	96.0	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8
IV 500 400	94.5	96.5	97.3	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.5
IV 300 200	94.5	96.6	97.6	98.3	98.4	98.5	98.8	98.8	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.2
IV 100 0	94.5	96.8	97.8	98.5	98.7	98.8	99.2	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.47

AMARILLO MAP TX

73-80

OCT

STATION

STATION NAME

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	¾	¾	≥5/16	¾	≥0		
NO CEILING IV 20000	79.6 82.9	79.7 83.1	79.7 83.1	79.8 83.2	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.1 83.5	80.1 83.5	80.1 83.5	80.1 83.5	80.2 83.6	80.2 83.6	
IV 18000 IV 16000	83.1 83.1	83.2 83.2	83.2 83.2	83.3 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 83.5	83.6 83.6	83.6 83.6	83.6 83.6	83.6 83.6	83.7 83.7	83.7 83.7	
IV 14000 IV 12000	83.1 83.3	83.2 83.5	83.2 83.5	83.3 83.6	83.5 83.7	83.5 83.7	83.5 83.7	83.5 83.7	83.5 83.7	83.5 83.7	83.5 83.7	83.6 83.9	83.6 83.9	83.6 83.9	83.6 83.9	83.7 84.0	83.7 84.0	
IV 10000 IV 9000	84.5 84.5	85.1 85.1	85.1 85.1	85.2 85.2	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	85.5 85.5	85.5 85.5	85.6 85.6	85.6 85.6	85.8 85.8	85.8 85.8	
IV 8000 IV 7000	84.7 84.7	85.5 85.5	85.6 85.6	85.8 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	85.9 85.9	86.0 86.2	86.2 86.2	86.2 86.3	86.3 86.3	86.4 86.4	86.4 86.4	
IV 6000 IV 5000	86.0 86.8	87.0 87.8	87.1 87.9	87.2 88.0	87.4 88.2	87.4 88.2	87.4 88.2	87.4 88.2	87.4 88.2	87.4 88.2	87.4 88.2	87.5 88.3	87.6 88.4	87.6 88.4	87.8 88.6	87.8 88.6	87.9 88.7	87.9 88.7
IV 4500 IV 4000	87.2 88.3	88.2 89.2	88.3 89.4	88.4 89.5	88.6 89.7	88.6 89.7	88.6 89.7	88.6 89.7	88.6 89.7	88.6 89.7	88.6 89.7	88.7 89.8	88.8 89.9	88.8 89.9	89.0 90.1	89.0 90.1	89.1 90.2	89.1 90.2
IV 3500 IV 3000	88.8 89.4	89.9 90.6	90.1 90.7	90.2 90.9	90.3 91.0	90.3 91.0	90.3 91.0	90.3 91.0	90.3 91.0	90.3 91.0	90.3 91.0	90.5 91.1	90.6 91.3	90.6 91.3	90.7 91.4	90.7 91.4	90.9 91.5	90.9 91.5
IV 2500 IV 2000	89.5 90.5	90.7 91.7	90.9 91.8	91.0 91.9	91.1 92.1	91.1 92.1	91.1 92.1	91.1 92.1	91.1 92.1	91.1 92.1	91.1 92.1	91.3 92.2	91.4 92.3	91.4 92.3	91.5 92.5	91.5 92.5	91.7 92.6	91.7 92.6
IV 1800 IV 1500	90.5 91.3	91.7 92.5	91.8 92.6	91.9 92.7	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.2 93.0	92.3 93.1	92.3 93.1	92.5 93.3	92.5 93.3	92.6 93.4	92.6 93.4
IV 1200 IV 1000	91.8 92.2	93.0 93.5	93.1 93.7	93.5 94.1	93.7 94.2	93.8 94.4	93.8 94.4	93.8 94.4	93.8 94.4	93.8 94.4	93.8 94.4	94.0 94.5	94.1 94.6	94.1 94.6	94.2 94.8	94.2 94.8	94.4 94.9	94.4 94.9
IV 900 IV 800	92.5 92.6	93.8 94.0	94.0 94.1	94.4 94.5	94.5 94.6	94.6 94.8	94.6 94.8	94.6 94.8	94.6 94.8	94.6 94.8	94.6 94.8	94.8 94.9	94.9 95.0	94.9 95.0	95.0 95.2	95.0 95.2	95.2 95.3	95.2 95.3
IV 700 IV 600	92.9 93.0	94.4 95.0	94.5 95.2	94.9 95.6	95.0 95.7	95.2 95.8	95.2 95.8	95.2 95.8	95.2 95.8	95.2 95.8	95.2 95.8	95.3 96.0	95.4 96.1	95.4 96.1	95.6 96.2	95.6 96.2	95.7 96.4	95.7 96.4
IV 500 IV 400	93.0 93.3	95.0 95.8	95.2 96.1	95.8 96.9	96.0 97.0	96.1 97.2	96.1 97.2	96.1 97.2	96.1 97.2	96.1 97.2	96.1 97.2	96.2 97.3	96.4 97.4	96.4 97.4	96.5 97.6	96.5 97.6	96.6 97.7	96.6 97.7
IV 300 IV 200	93.5 93.5	96.5 96.5	96.8 96.8	98.0 98.0	98.3 98.3	98.4 98.4	98.5 98.8	98.5 98.8	98.5 98.8	98.5 98.8	98.5 98.8	98.7 98.9	98.8 99.1	98.8 99.1	98.9 99.2	98.9 99.2	99.1 99.3	99.1 99.3
IV 100 IV 0	93.5 93.5	96.5 96.5	96.8 96.8	98.0 98.0	98.3 98.3	98.4 98.4	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	99.1 99.5	99.1 99.5	99.1 99.5	99.2 99.6	99.2 99.6	99.3 99.9	99.3 99.9

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

OCT  
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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	77.2	78.2	78.4	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8
IV 18000 16000	81.1	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.7
IV 14000 12000	81.5	82.6	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.2
IV 10000 9000	83.3	84.5	84.7	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.2
IV 8000 7000	84.6	85.9	86.1	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.6
IV 6000 5000	85.2	86.5	86.8	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.3
IV 4500 4000	86.1	87.6	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.4
IV 3500 3000	87.7	89.3	89.6	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.2
IV 2500 2000	88.7	90.5	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.4
IV 1800 1500	89.7	91.5	91.8	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.5
IV 1200 1000	90.5	92.5	93.0	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.8
IV 900 800	91.0	93.4	93.9	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.7
IV 700 600	91.2	93.9	94.5	94.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.6
IV 500 400	91.6	94.6	95.4	95.9	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.9
IV 300 200	91.8	95.1	96.0	96.7	97.3	97.4	97.7	97.8	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.4
IV 100 0	91.8	95.1	96.1	96.8	97.4	97.5	98.0	98.1	98.1	98.5	98.7	98.7	98.9	99.0	99.3	99.5
	91.8	95.1	96.1	96.8	97.4	97.5	98.0	98.1	98.1	98.5	98.7	98.7	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

NOV  
 MONTH

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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	68.8	69.2	69.3	69.6	69.6	69.6	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	70.0	70.0
IV ≥ 18000	73.8	74.2	74.3	74.6	74.6	74.6	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	75.0	75.0
IV 16000	73.8	74.2	74.3	74.6	74.6	74.6	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	75.0	75.0
IV ≥ 14000	74.0	74.4	74.6	74.9	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.3	75.3
IV 12000	74.6	75.0	75.1	75.4	75.4	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8
IV 10000	76.8	77.4	77.5	77.8	77.8	77.8	77.9	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.2	78.2
IV 9000	76.9	77.5	77.6	77.9	77.9	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.3	78.3
IV 8000	78.8	79.3	79.4	79.7	79.7	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1
IV 7000	79.7	80.3	80.4	80.7	80.7	80.7	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.1	81.1
IV 6000	79.9	80.4	80.6	80.8	80.8	80.8	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.3	81.3
IV 5000	81.3	81.8	81.9	82.2	82.2	82.2	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.6
IV 4500	81.9	82.6	82.8	83.1	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.5	83.5
IV 4000	82.6	83.3	83.5	83.8	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.2	84.2
IV 3500	83.5	84.2	84.3	84.6	84.6	84.6	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	85.0	85.0
IV 3000	83.8	84.4	84.6	84.9	84.9	84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.3	85.3
IV 2500	84.6	85.3	85.4	85.8	85.8	85.8	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.3	86.3
IV 2000	85.3	86.0	86.1	86.5	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9
IV 1800	85.4	86.1	86.3	86.7	86.7	86.7	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.2	87.2
IV 1500	86.0	86.8	86.9	87.4	87.5	87.5	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	88.1	88.1
IV 1200	86.5	87.5	87.6	88.2	88.3	88.3	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.9	88.9
IV 1000	86.8	87.9	88.1	88.6	88.8	88.8	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.3	89.3
IV 900	86.9	88.2	88.3	88.9	89.0	89.0	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.6	89.6
IV 800	87.5	89.0	89.2	89.9	90.6	90.6	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.1	91.1
IV 700	87.8	89.4	89.7	90.4	91.1	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.7	91.7
IV 600	88.1	89.9	90.1	90.8	91.7	91.7	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.2	92.2
IV 500	88.3	90.4	90.8	91.7	92.5	92.5	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.1	93.1
IV 400	88.3	90.8	91.5	92.4	93.2	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.8	93.8
IV 300	88.3	91.4	92.2	93.3	94.3	94.3	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.1	95.1
IV 200	88.3	91.4	92.2	93.3	94.4	94.4	94.9	94.9	94.9	95.6	95.6	95.6	95.6	95.7	96.3	96.4
IV 100	88.3	91.4	92.2	93.3	94.6	94.6	95.0	95.1	95.1	95.8	95.8	95.8	96.9	97.5	98.1	99.3
IV 0	88.3	91.4	92.2	93.3	94.6	94.6	95.0	95.1	95.1	95.8	95.8	95.8	97.1	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEAR

NOV  
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	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	65.6	66.5	66.5	67.1	67.2	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6
IV ≥ 18000 6000	69.3	70.4	70.4	71.0	71.1	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5
IV ≥ 14000 2000	69.3	70.4	70.4	71.0	71.1	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5
IV ≥ 10000 9000	70.1	71.3	71.3	71.8	71.9	71.9	71.9	71.9	71.9	72.1	72.1	72.1	72.4	72.4	72.4	72.4	72.4
IV ≥ 8000 7000	73.2	74.4	74.4	75.0	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3	75.6	75.6	75.6	75.6	75.6
IV ≥ 6000 5000	75.3	76.5	76.5	77.1	77.2	77.2	77.2	77.2	77.2	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6
IV ≥ 4500 4000	75.6	76.8	76.8	77.4	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.9	77.9	77.9	77.9	77.9
IV ≥ 3500 3000	76.7	77.9	77.9	78.5	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0
IV ≥ 2500 2000	78.1	79.3	79.3	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.4	80.4	80.4	80.4	80.4
IV ≥ 1800 1500	78.5	79.7	79.7	80.3	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8
IV ≥ 1200 1000	78.9	80.1	80.1	80.7	80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3
IV ≥ 900 800	79.0	80.4	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5
IV ≥ 700 600	79.7	81.1	81.4	82.1	82.2	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6
IV ≥ 500 400	80.0	81.4	81.7	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9
IV ≥ 300 200	80.0	81.4	81.7	82.4	82.5	82.5	82.6	82.6	82.6	82.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1
IV ≥ 100 0	81.0	82.5	82.8	83.6	83.8	83.8	83.9	84.0	84.0	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4
	81.5	83.1	83.3	84.2	84.3	84.3	84.4	84.6	84.6	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1
	82.2	84.0	84.3	85.1	85.3	85.3	85.4	85.6	85.6	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1
	82.6	84.7	85.1	86.1	86.3	86.3	86.4	86.5	86.5	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1
	63.2	85.3	85.7	86.7	86.9	86.9	87.1	87.2	87.2	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9
	83.6	86.0	86.5	87.5	87.8	87.8	87.9	88.1	88.1	88.5	88.5	88.5	88.8	88.8	88.8	88.8	88.8
	83.6	86.4	86.9	87.9	88.3	88.3	88.5	88.8	88.8	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4
	84.4	87.5	88.5	89.6	90.0	90.0	90.1	90.4	90.4	90.8	90.8	90.8	91.1	91.1	91.1	91.1	91.1
	85.3	88.6	89.7	91.7	92.1	92.1	92.4	92.8	92.8	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9
	85.3	88.8	89.9	92.1	92.5	92.6	92.9	93.5	93.5	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7
	85.3	88.8	89.9	92.2	92.8	92.9	93.3	93.9	93.9	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3
	85.3	88.8	89.9	92.2	92.8	93.1	93.6	94.2	94.2	95.6	95.6	95.6	96.4	96.4	96.4	96.4	96.4
	85.3	88.8	89.9	92.2	92.8	93.1	93.6	94.2	94.2	95.6	95.6	95.6	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27647  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

NOV  
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	≥¼	≥1/16	≥0	≥0	
NO CEILING ≥ 20000	61.8	64.9	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.4	66.4	66.7	66.8
≥ 18000 IV 16000	65.7	68.8	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.6	70.7
≥ 14000 IV 2000	66.1	69.2	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.7	70.7	71.0	71.1
≥ 10000 IV 9000	68.2	71.7	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	73.2	73.2	73.5	73.6
≥ 8000 IV 7000	69.3	72.9	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.4	74.4	74.7	74.9
≥ 6000 IV 5000	71.4	75.0	75.4	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.5	76.5	76.8	76.9
≥ 4500 IV 4000	71.9	75.6	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	77.1	77.1	77.4	77.5
IV 3500	72.8	76.7	77.2	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.3	78.3	78.6	78.8
IV 3000	73.3	77.2	77.8	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.9	78.9	79.2	79.3
IV 2500	73.6	77.5	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.2	79.2	79.4	79.6
IV 2000	73.9	78.3	78.9	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.3	80.4
IV 1800	74.0	78.5	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.3	80.3	80.6	80.7
IV 1500	74.9	79.3	80.0	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.5	81.7
IV 1200	75.3	79.7	80.4	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.7	81.7	81.9	82.1
IV 900	75.8	80.3	81.0	81.4	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.2	82.2	82.5	82.6
IV 800	76.8	81.3	82.1	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.5	83.5	83.8	83.9
IV 700	77.5	81.9	82.8	83.5	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.3	84.3	84.6	84.7
IV 600	77.8	82.6	83.8	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3	85.3	85.6	85.7
IV 500	78.1	83.3	84.6	85.3	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.3	86.3	86.5	86.7
IV 400	78.9	84.4	85.8	86.5	86.7	86.8	86.9	86.9	86.9	86.9	87.4	87.4	87.4	87.9	87.9	88.2	88.3
IV 300	79.3	85.3	86.7	87.4	87.5	87.6	87.8	87.8	87.8	88.2	88.2	88.2	88.2	88.8	88.8	89.0	89.2
IV 200	79.7	86.0	87.4	88.1	88.2	88.3	88.5	88.5	88.5	88.9	88.9	88.9	88.9	89.4	89.4	89.7	89.9
IV 100	80.3	87.4	88.9	89.6	89.9	90.0	90.1	90.1	90.1	90.6	90.6	90.6	90.6	91.1	91.1	91.4	91.5
IV 0	80.7	88.3	90.1	91.0	91.4	91.5	91.7	91.7	91.7	92.4	92.4	92.4	92.4	92.9	92.9	93.2	93.3
IV 0	80.7	88.6	90.6	91.4	91.8	91.9	92.5	92.5	92.5	93.5	93.5	93.5	93.5	94.0	94.0	94.3	94.4
IV 0	80.7	88.6	90.6	91.4	91.9	92.2	92.8	92.8	92.8	93.6	93.6	93.6	93.6	94.7	94.7	94.9	94.9
IV 0	80.7	88.6	90.6	91.4	91.9	92.2	92.8	92.8	92.8	93.6	93.6	93.6	93.6	94.7	94.7	94.9	94.9

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
 STATION

AMAPILLO MAP TX  
 STATION NAME

73-80  
 YEARS

NOV  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1100  
 HOURS (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	61.9	63.9	64.4	64.6	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
≥ 20000	67.1	69.0	69.9	70.0	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6
≥ 18000	67.1	69.0	69.9	70.0	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6
≥ 16000	67.4	69.3	70.1	70.3	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
≥ 14000	68.6	70.6	71.4	71.5	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.1	72.1	72.1
≥ 12000	69.2	71.4	72.2	72.4	72.6	72.6	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
≥ 10000	70.0	72.2	73.1	73.5	73.9	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
≥ 9000	70.3	72.5	73.3	73.8	74.2	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7
≥ 8000	71.8	74.0	74.9	75.3	75.7	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.3
≥ 7000	72.2	74.4	75.3	75.7	76.1	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7	76.7	76.7
≥ 6000	72.8	75.0	75.8	76.3	76.7	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
≥ 5000	73.5	75.7	76.5	76.9	77.4	77.4	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9
≥ 4500	73.6	75.8	76.7	77.1	77.5	77.5	77.8	77.9	77.9	77.9	77.9	77.9	77.9	78.1	78.1	78.1	78.1
≥ 4000	73.8	76.0	76.8	77.2	77.6	77.6	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
≥ 3500	74.2	76.4	77.2	77.6	78.2	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8
≥ 3000	74.4	76.8	77.6	78.1	78.6	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2
≥ 2500	75.3	77.6	78.5	78.9	79.4	79.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
≥ 2000	75.6	78.2	79.0	79.4	80.0	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6
≥ 1800	76.1	78.8	79.6	80.0	80.7	80.7	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5
≥ 1500	77.2	80.4	81.4	82.1	82.8	82.8	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6
≥ 1200	78.3	81.9	83.2	83.9	84.6	84.6	85.0	85.1	85.3	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6
≥ 1000	79.3	83.8	85.0	85.7	86.4	86.4	86.9	87.1	87.2	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
≥ 900	79.7	84.7	86.1	86.9	87.6	87.6	88.3	88.5	88.8	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2
≥ 800	79.9	85.3	86.7	87.6	88.3	88.3	89.0	89.2	89.4	89.7	89.7	89.7	89.7	89.9	89.9	89.9	89.9
≥ 700	79.9	85.7	87.1	88.2	88.9	88.9	89.7	89.9	90.1	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
≥ 600	80.0	86.5	87.9	89.2	89.9	89.9	90.7	90.8	91.1	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8
≥ 500	80.1	86.7	88.1	89.7	90.6	90.6	91.4	91.5	91.9	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 400	80.1	86.8	88.2	90.0	91.1	91.3	92.5	92.6	93.1	94.3	94.7	94.7	94.7	94.9	94.9	94.9	94.9
≥ 300	80.1	86.9	88.3	90.1	91.3	91.4	93.1	93.3	93.8	95.4	95.8	95.8	95.8	96.0	96.0	96.0	96.0
≥ 200	80.1	86.9	88.6	90.7	91.8	91.9	94.2	94.6	95.0	97.4	97.8	97.8	97.8	98.3	98.3	98.3	98.5
≥ 100	80.1	86.9	88.6	90.7	91.8	91.9	94.2	94.6	95.0	97.4	97.8	97.8	97.8	98.6	98.6	99.0	99.7
≥ 0	80.1	86.9	88.6	90.7	91.8	91.9	94.2	94.6	95.0	97.4	97.8	97.8	97.8	98.6	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

NOV  
 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	¾	¾	≥5/16	¼	≥0
NO CEILING ≥ 20000	65.7	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000 16000	71.3	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000 12000	72.1	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 10000 9000	74.9	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 8000 7000	76.0	77.9	77.9	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 6000 5000	76.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500 4000	77.8	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3500 3000	78.6	80.7	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
IV 2500 2000	78.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
IV 1800 1500	79.3	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
IV 1200 1000	81.0	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2
IV 900 800	83.1	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2
IV 700 600	83.8	87.5	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.2	88.2	88.2	88.2	88.2
IV 500 400	85.1	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.9	89.9	89.9	89.9	89.9
IV 300 200	86.0	90.3	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3
IV 100 0	86.9	91.5	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.8	92.9	92.9	92.9	92.9	92.9
	87.1	91.7	91.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.3	93.5	93.5	93.5	93.5	93.5
	87.2	91.9	92.2	93.3	93.3	93.5	93.6	93.6	93.6	93.6	94.2	94.3	94.3	94.3	94.3	94.3
	87.4	92.2	92.5	93.6	93.6	93.8	94.0	94.0	94.0	94.0	94.6	94.7	94.7	94.7	94.7	94.7
	87.4	92.4	92.8	93.9	94.6	94.7	95.0	95.0	95.0	95.0	95.6	95.7	95.7	95.7	95.7	95.7
	87.5	92.6	93.1	94.2	95.0	95.3	95.6	95.7	95.7	95.7	96.7	96.8	96.8	96.8	96.8	96.8
	87.6	93.1	93.8	95.0	95.8	96.1	96.4	96.5	96.5	96.5	97.6	97.9	97.9	97.9	97.9	97.9
	87.6	93.2	93.9	95.1	96.0	96.3	96.5	96.8	96.8	96.8	97.9	98.3	98.3	98.5	98.5	98.5
	87.6	93.2	93.9	95.3	96.4	96.7	97.1	97.4	97.4	97.4	98.8	99.3	99.3	99.6	99.6	99.6
	87.6	93.2	93.9	95.3	96.4	96.7	97.1	97.4	97.4	97.4	98.8	99.3	99.3	99.9	100.0	100.0
	87.6	93.2	93.9	95.3	96.4	96.7	97.1	97.4	97.4	97.4	98.8	99.3	99.3	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

NCV  
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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IN 18000 IN 6500	73.5	74.0	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
IN 14000 IN 2000	74.3	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	75.0
IN 10000 IN 9500	77.5	78.1	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
IN 8000 IN 7000	78.5	79.0	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
IN 6000 IN 5000	79.9	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
IN 4500 IN 4000	82.6	83.2	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
IN 3500 IN 3000	83.6	84.4	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
IN 2500 IN 2000	87.2	88.2	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
IN 1800 IN 1500	88.5	89.9	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	90.3
IN 1200 IN 1000	90.6	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2
IN 900 IN 800	91.5	93.8	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IN 700 IN 600	91.7	94.2	94.9	95.0	95.0	95.0	95.1	95.1	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IN 500 IN 400	91.7	94.4	95.1	95.3	95.3	95.3	95.4	95.4	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 300 IN 200	91.7	94.4	95.8	96.1	96.3	96.3	97.2	97.2	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6
IN 100 IN 0	91.7	94.4	95.8	96.1	96.3	96.3	97.2	97.2	97.6	98.8	99.3	99.4	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

NOV  
 MONTH

## 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	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	71.9	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
≥ 20000	75.8	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7
≥ 18000	75.8	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7
≥ 16000	75.8	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7
≥ 14000	76.4	76.8	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥ 12000	77.8	78.2	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
≥ 10000	80.6	81.0	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.7
≥ 9000	80.6	81.3	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
≥ 8000	82.5	82.9	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	83.6
≥ 7000	83.3	83.8	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥ 6000	83.8	84.3	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
≥ 5000	85.1	85.7	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
≥ 4500	85.3	85.8	86.0	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5
≥ 4000	86.4	86.9	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
≥ 3500	86.7	87.2	87.4	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
≥ 3000	87.4	87.9	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6
≥ 2500	87.9	88.6	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
≥ 2000	88.8	89.6	89.9	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6
≥ 1800	89.0	89.9	90.1	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
≥ 1500	89.7	90.6	90.8	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7
≥ 1200	90.4	91.3	91.5	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.5
≥ 1000	90.7	91.5	91.8	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.8
≥ 900	90.8	91.7	91.9	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.9
≥ 800	91.5	92.4	92.8	93.3	93.6	93.6	93.6	93.6	93.6	93.8	93.9	93.9	93.9	93.9	93.9	94.0
≥ 700	91.7	92.5	92.9	93.6	93.9	93.9	93.9	93.9	93.9	94.0	94.4	94.4	94.4	94.4	94.4	94.6
≥ 600	91.8	92.9	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.4	95.1	95.1	95.1	95.1	95.1	95.3
≥ 500	92.1	93.6	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.1	95.8	96.0	96.0	96.0	96.0	96.1
≥ 400	92.1	93.6	94.0	94.9	95.3	95.3	95.3	95.3	95.3	95.6	96.4	96.5	96.5	96.5	96.5	96.7
≥ 300	92.1	93.6	94.0	95.4	95.8	95.8	96.0	96.0	96.0	96.3	97.1	97.2	97.2	97.2	97.2	97.4
≥ 200	92.1	93.6	94.0	95.4	95.8	95.8	96.0	96.0	96.0	96.3	97.1	97.2	97.2	97.5	97.5	97.8
≥ 100	92.1	93.6	94.0	95.4	95.8	95.8	96.3	96.3	96.3	96.5	97.6	98.1	98.1	98.6	98.6	99.9
≥ 0	92.1	93.6	94.0	95.4	95.8	95.8	96.3	96.3	96.3	96.5	97.6	98.1	98.1	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

NOV  
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	¾	¾	≥5/16	¼	≥0
NO CEILING ≥ 20000	71.3	72.2	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	72.4
≥ 18000 IV 18000	75.6	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	76.7
IV 16000	75.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 14000	76.4	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	77.5	77.5
IV 12000	77.1	78.1	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
IV 10000	79.7	80.8	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 9000	79.9	81.0	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 8000	80.8	81.9	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 7000	81.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	81.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	82.4	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	83.6	83.6
IV 4500	82.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4000	83.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	84.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	85.3	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	86.5
IV 2500	86.7	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	88.1	88.1
IV 2000	86.8	88.1	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
IV 1800	86.8	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
IV 1500	87.5	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1200	87.9	89.3	89.4	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 1000	88.3	89.9	90.0	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
IV 900	88.5	90.0	90.1	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 800	88.5	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 700	88.9	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5
IV 600	88.9	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	89.3	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6
IV 400	89.3	91.9	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3
IV 300	89.3	92.1	92.4	93.3	93.6	93.6	93.9	93.9	93.9	93.9	94.6	94.6	94.6	94.6	94.6	94.7
IV 200	89.3	92.1	92.4	93.8	94.0	94.0	94.7	94.7	94.7	94.7	96.1	96.3	96.3	96.3	96.4	96.5
IV 100	89.3	92.1	92.4	93.8	94.0	94.2	95.0	95.0	95.0	95.0	96.7	96.8	96.8	97.4	97.5	98.1
IV 0	89.3	92.1	92.4	93.8	94.0	94.2	95.0	95.0	95.0	95.0	96.7	96.8	96.8	97.5	97.6	98.3

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

NCV

## 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	≥½	≥¼	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	66.9	68.1	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.8
IV 18000 16000	71.5	72.7	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.5	73.5
IV 14000 12000	71.6	72.8	73.0	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.6
IV 10000 9000	72.2	73.4	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.2
IV 8000 7000	73.1	74.4	74.7	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.2	75.2	75.2	75.2
IV 6000 5000	75.1	76.5	76.7	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.4	77.4
IV 4500 4000	75.4	76.8	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.7	77.7
IV 3500 3000	76.9	78.3	78.6	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.2	79.2
IV 2500 2000	77.5	78.9	79.2	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.8	79.8
IV 1800 1500	77.8	79.3	79.5	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.2
IV 1200 1000	79.0	80.5	80.7	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.4	81.4
IV 900 800	79.4	81.0	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.9	81.9
IV 700 600	80.1	81.6	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.5	82.6
IV 500 400	80.5	82.2	82.4	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.1	83.1
IV 300 200	81.0	82.7	83.0	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.7	83.7
IV 100 0	82.2	84.0	84.3	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.1	85.1
	82.9	84.9	85.2	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0
	83.3	85.2	85.6	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.5	86.5
	84.2	86.4	86.8	87.3	87.4	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.8	87.8	87.9
	84.8	87.2	87.7	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.8	88.8	88.8	88.9
	85.4	88.1	88.6	89.1	89.3	89.3	89.4	89.5	89.5	89.5	89.6	89.7	89.7	89.8	89.8	89.8	89.9
	85.7	88.5	89.1	89.7	89.8	89.8	90.0	90.0	90.1	90.1	90.3	90.3	90.3	90.4	90.4	90.5	90.5
	86.0	89.1	89.7	90.3	90.6	90.6	90.8	90.8	90.9	91.2	91.3	91.3	91.4	91.4	91.4	91.5	91.5
	86.3	89.5	90.2	90.9	91.1	91.1	91.4	91.4	91.5	91.9	91.9	91.9	92.0	92.0	92.1	92.1	92.1
	86.4	90.0	90.6	91.3	91.7	91.8	92.0	92.0	92.1	92.6	92.6	92.6	92.7	92.7	92.8	92.8	92.8
	86.7	90.6	91.3	92.1	92.6	92.6	92.8	92.9	93.0	93.6	93.7	93.7	93.8	93.8	93.9	93.9	93.9
	86.9	91.0	91.9	92.9	93.4	93.5	93.9	94.0	94.1	94.9	95.0	95.0	95.1	95.1	95.2	95.2	95.2
	86.9	91.1	92.1	93.4	93.9	94.0	94.5	94.7	94.9	95.8	95.9	95.9	96.1	96.1	96.1	96.2	96.2
	86.9	91.1	92.2	93.5	94.2	94.3	95.0	95.2	95.4	96.6	96.8	96.8	97.1	97.2	97.3	97.4	97.4
	86.9	91.1	92.2	93.5	94.2	94.3	95.1	95.4	95.6	96.9	97.3	97.3	98.1	98.2	98.7	99.7	99.7
	86.9	91.1	92.2	93.5	94.2	94.3	95.1	95.4	95.6	96.9	97.3	97.3	98.1	98.2	98.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47

AMARILLO MAP TX

73-80

DEC

STATION

STATION NAME

YEARS

MONTH

## 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	≥½	≥¼	≥1/16	≥0	≥0	
NO CEILING ≥ 20000	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.9	76.9
IN 18000 IN 6000	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	82.1	82.1	82.3	82.3
IN 14000 IN 2000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.7	82.7	82.8	82.8
IN 10000 IN 9000	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.8	85.9	85.9
IN 8000 IN 7000	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	87.0	87.0	87.1	87.1
IN 6000 IN 5000	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.2	87.2
IN 4500 IN 4000	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.4	87.4
IN 3500 IN 3000	87.5	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2	88.3	88.3
IN 2500 IN 2000	89.2	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	90.1	90.1
IN 1800 IN 1500	91.0	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.2	92.2
IN 1200 IN 1000	92.3	92.7	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.7	93.7
IN 900 IN 800	93.0	93.7	94.1	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	95.0	95.0
IN 700 IN 600	93.0	93.8	94.2	94.8	94.9	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4
IN 500 IN 400	93.0	94.1	94.5	95.3	95.7	95.7	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.5	96.5	96.6	96.6
IN 300 IN 200	93.0	94.2	94.6	95.6	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.2	97.2	97.3	97.3
IN 100 IN 0	93.0	94.2	94.8	95.8	96.8	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1	98.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 US AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

DEC  
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	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	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
≥ 20000	81.7	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	81.9
≥ 18000	81.7	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	81.9
≥ 16000	81.7	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	81.9
≥ 14000	82.0	82.0	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
≥ 12000	82.8	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	82.9
≥ 10000	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 9000	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 8000	86.6	86.6	86.6	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
≥ 7000	86.6	86.6	86.6	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
≥ 6000	86.8	86.8	86.8	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
≥ 5000	87.2	87.5	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4500	87.2	87.5	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	87.6	87.9	88.0	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
≥ 3500	87.8	88.0	88.2	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
≥ 3000	87.8	88.0	88.3	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
≥ 2500	89.0	89.5	89.8	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
≥ 2000	90.5	91.1	91.7	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	90.7	91.7	92.2	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	91.4	92.5	93.0	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	91.7	92.7	93.3	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	92.1	93.4	94.0	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	92.2	93.7	94.2	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	92.3	94.4	94.9	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	92.3	94.9	95.4	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	92.3	94.9	95.6	96.1	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	92.3	95.0	95.7	96.2	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 400	92.3	95.2	96.0	96.6	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	92.3	95.3	96.2	96.9	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	92.3	95.3	96.4	97.0	97.2	97.2	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.3
≥ 100	92.3	95.3	96.4	97.0	97.2	97.2	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.3	98.3	99.2
≥ 0	92.3	95.3	96.4	97.0	97.2	97.2	98.0	98.0	98.0	98.1	98.1	98.1	98.3	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.47  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-8C  
 YEARS

DEC  
 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	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	75.7	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 18000 6000	79.7	80.1	80.1	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 14000 2000	81.5	81.9	81.9	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 10000 9000	83.6	84.0	84.0	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 8000 7000	84.9	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 6000 5000	85.1	85.5	85.5	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 4500 4000	85.3	85.9	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500 3000	86.3	86.8	87.0	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 2500 2000	87.8	88.3	88.4	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
IV 1800 1500	88.8	89.7	90.1	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200 1000	90.9	92.2	92.7	93.4	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900 800	91.4	93.4	94.1	94.9	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700 600	91.5	94.4	95.0	95.8	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 500 400	91.5	94.4	95.0	96.0	96.1	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 300 200	91.5	94.6	95.6	96.5	96.6	96.6	96.9	97.0	97.0	97.3	97.3	97.3	97.6	97.6	97.6	97.6
IV 100 0	91.5	94.6	95.6	96.6	96.8	96.8	97.3	97.6	97.6	98.0	98.0	98.0	98.7	98.7	99.3	99.9
	91.5	94.6	95.6	96.6	96.8	96.8	97.3	97.6	97.6	98.0	98.0	98.0	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	69.4	70.2	70.2	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 20000	78.2	79.0	79.0	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 18000	78.5	79.3	79.3	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 16000	78.8	79.6	79.6	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 14000	80.6	81.5	81.5	81.7	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
IV 12000	82.0	82.8	82.8	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 10000	82.8	83.6	83.6	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 9000	82.9	83.7	83.7	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 8000	84.4	85.2	85.2	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 7000	85.2	86.2	86.2	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	86.8
IV 6000	85.2	86.2	86.2	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	86.8
IV 5000	85.5	86.6	86.6	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4500	85.6	86.7	86.8	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	85.6	86.8	87.0	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3500	86.2	87.4	87.5	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
IV 3000	86.8	88.0	88.2	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	87.5	88.7	88.8	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2000	89.0	90.2	90.3	91.4	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	89.7	90.9	91.0	92.1	92.2	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	90.3	91.9	92.1	93.1	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	91.3	93.3	93.4	94.5	94.6	94.6	94.8	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	91.4	93.4	93.5	94.9	95.0	95.2	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	91.4	93.4	93.5	95.0	95.2	95.3	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	91.5	93.5	93.7	95.2	95.4	95.6	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700	91.5	93.7	94.1	95.7	96.1	96.2	96.4	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	91.5	93.7	94.2	96.0	96.5	96.6	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	91.5	93.7	94.2	96.1	96.6	96.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	91.5	93.7	94.2	96.2	96.9	97.2	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 300	91.5	93.7	94.2	96.2	96.9	97.4	97.7	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	91.5	93.7	94.2	96.2	96.9	97.4	97.7	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	91.5	93.7	94.2	96.2	96.9	97.4	97.7	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	91.5	93.7	94.2	96.2	96.9	97.4	97.7	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047

AMARILLO MAP TX

73-80

DEC

STATION

STATION NAME

YEARS

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	¾	¾	≥5/16	¾	≥0
NO CEILING IN 20000	71.8	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000 16000	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 14000 12000	81.0	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	81.6
IV 10000 9000	83.7	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	84.3
IV 8000 7000	85.5	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 6000 5000	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500 4000	87.5	88.2	88.4	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
IV 3500 3000	88.6	89.2	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
IV 2500 2000	89.5	90.2	90.6	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 1800 1500	91.4	92.2	92.6	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
IV 1200 1000	92.1	93.1	93.5	93.7	93.8	93.8	94.0	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900 800	92.2	93.8	94.5	94.6	94.8	94.8	95.0	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700 600	92.5	94.2	95.2	95.3	95.6	95.6	95.8	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 500 400	92.5	94.6	95.8	96.0	96.5	96.5	96.9	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300 200	92.5	94.6	96.0	96.1	96.6	96.8	97.2	97.6	98.0	98.4	98.5	98.5	98.5	98.7	98.7	98.7
IV 100 0	92.5	94.6	96.0	96.1	96.6	97.0	97.7	98.1	98.5	98.9	99.1	99.1	99.3	99.3	99.6	99.6
	92.5	94.6	96.0	96.1	96.6	97.0	97.7	98.1	98.5	98.9	99.1	99.1	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 US AFETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

73-80

DEC

STATION

STATION NAME

YEARS

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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	72.6	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 20000	80.1	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
IN 18000	80.2	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
IN 16000	80.5	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
≥ 14000	82.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IN 12000	83.1	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	84.3
≥ 10000	84.5	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
IN 9000	84.7	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
≥ 8000	85.6	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
IN 7000	86.2	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
≥ 6000	86.3	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
IN 5000	87.0	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
≥ 4500	87.5	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	88.8
IN 4000	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	89.7	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
IN 3000	90.2	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
≥ 2500	90.6	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
IN 2000	91.5	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
≥ 1800	91.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5
IN 1500	92.9	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	92.9	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2
IN 1000	92.9	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	92.9	94.8	95.0	95.2	95.3	95.3	95.3	95.3	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0
IN 800	93.1	95.0	95.3	95.4	95.6	95.6	95.6	95.6	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	93.1	95.2	95.6	95.8	96.1	96.1	96.2	96.2	96.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IN 600	93.3	95.6	96.0	96.2	96.8	96.8	97.0	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	93.3	95.8	96.2	96.8	97.3	97.3	97.8	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 400	93.3	95.8	96.2	97.0	97.7	97.7	98.3	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	93.3	95.8	96.2	97.0	97.8	97.8	98.5	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 200	93.3	95.8	96.2	97.0	98.0	98.0	98.7	98.9	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	93.3	95.8	96.2	97.0	98.0	98.0	98.7	98.9	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IN 0	93.3	95.8	96.2	97.0	98.0	98.0	98.7	98.9	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23047  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

DEC  
MONTH

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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 18000	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	82.5
IV 16000	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 14000	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
IV 12000	85.1	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 10000	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 9000	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 8000	87.2	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
IV 7000	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 6000	87.9	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
IV 5000	88.4	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
IV 4500	88.8	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	89.4	89.4
IV 4000	89.0	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	89.7	90.2	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 3000	90.5	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	91.7	92.2	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
IV 2000	92.2	92.9	92.9	93.1	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 1800	92.5	93.1	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	92.7	93.4	93.4	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
IV 1200	93.3	94.0	94.0	94.4	94.5	94.5	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000	93.7	94.4	94.4	95.0	95.4	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	93.8	94.5	94.5	95.2	95.6	95.6	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	94.1	94.9	95.0	95.7	96.1	96.1	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	94.5	95.3	95.6	96.2	96.8	96.8	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	94.5	95.3	95.6	96.4	97.0	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	94.5	95.3	95.6	96.4	97.0	97.0	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	94.5	95.3	95.6	96.4	97.0	97.0	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	94.5	95.3	95.6	96.4	97.0	97.0	97.7	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1
IV 200	94.6	95.4	96.0	96.9	97.7	97.7	98.4	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.3
IV 100	94.6	95.4	96.0	96.9	97.7	97.7	98.4	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.5
IV 0	94.6	95.4	96.0	96.9	97.7	97.7	98.4	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AWP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2347

AMARILLO MAP TX

73-80

DEC

STATION

STATION NAME

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	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING IV 20000	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	76.3	76.3	76.3
IV 18000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 16000	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 14000	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	83.6	83.6	83.6
IV 12000	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 10000	85.6	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
IV 9000	85.6	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
IV 8000	86.4	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 7000	86.6	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 6000	86.7	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 5000	88.0	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 4500	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 4000	89.1	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	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3000	89.7	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
IV 2500	90.6	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
IV 2000	90.9	91.5	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 1800	91.0	91.8	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 1500	91.8	92.6	93.0	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	92.2	93.1	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	92.6	93.5	94.2	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	93.0	94.0	94.6	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 800	93.1	94.2	95.0	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	93.3	94.4	95.3	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	93.3	94.4	95.4	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 500	93.5	94.8	95.8	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 400	93.7	95.2	96.2	96.9	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	93.7	95.3	96.4	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200	93.7	95.3	96.4	97.0	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 100	93.7	95.3	96.4	97.2	97.7	97.7	97.8	98.4	98.4	98.4	98.4	98.8	98.8	98.8	98.9	98.9
IV 0	93.7	95.3	96.4	97.2	97.7	97.8	98.4	98.4	98.4	98.4	98.8	98.8	98.8	98.9	98.9	99.2

TOTAL NUMBER OF OBSERVATIONS 74

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
STATION

AMARILLO MAP TX  
STATION NAME

73-80  
YEARS

DEC  
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	¾	¾	≥5/16	¾	≥0		
NO CEILING	74.4	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 2000	80.7	81.0	81.0	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	81.2	81.2
≥ 1800	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3
≥ 1600	81.0	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	81.6	81.6
≥ 1400	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8
≥ 1200	83.3	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
≥ 1000	84.6	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2
≥ 900	84.7	85.2	85.2	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
≥ 800	85.8	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	86.5	86.5
≥ 700	86.2	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	86.9	86.9
≥ 600	86.3	86.8	86.8	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
≥ 500	86.8	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8
≥ 450	87.1	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 400	87.6	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 350	88.1	88.8	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	89.2	89.2
≥ 300	88.4	89.1	89.2	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	89.6	89.6
≥ 250	89.5	90.2	90.3	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 200	90.6	91.4	91.7	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	90.9	91.8	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
≥ 1500	91.5	92.6	92.9	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	92.1	93.2	93.5	94.0	94.1	94.1	94.1	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	92.4	93.7	94.1	94.6	94.7	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
≥ 900	92.5	93.9	94.3	94.9	95.0	95.1	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	92.6	94.2	94.6	95.2	95.4	95.4	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
≥ 700	92.7	94.5	95.0	95.7	95.9	95.9	96.1	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	92.7	94.6	95.2	96.0	96.3	96.3	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 500	92.8	94.7	95.4	96.1	96.5	96.5	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	92.8	94.8	95.5	96.4	96.8	96.9	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
≥ 300	92.8	94.9	95.6	96.5	97.0	97.1	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2
≥ 200	92.8	94.9	95.7	96.6	97.2	97.3	97.9	98.1	98.2	98.4	98.5	98.5	98.5	98.7	98.7	98.8	98.8	98.8
≥ 100	92.8	94.9	95.7	96.6	97.2	97.3	98.0	98.2	98.3	98.6	98.7	98.7	98.7	99.1	99.1	99.5	99.9	99.9
≥ 0	92.8	94.9	95.7	96.6	97.2	97.3	98.0	98.2	98.3	98.6	98.7	98.7	98.7	99.1	99.1	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 47  
STATION

AMARILLO MAP TX  
STATION NAME

73-81  
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	≥½	≥¼	≥5/16	≥¼	≥0	
NO CEILING	67.0	68.0	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5
≥ 20000	73.8	75.0	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	73.9	75.1	75.3	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥ 16000	74.0	75.2	75.5	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥ 14000	74.5	75.8	76.0	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥ 12000	75.6	76.9	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 10000	78.3	79.7	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4
≥ 9500	78.6	80.0	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.7
≥ 8000	80.1	81.6	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	80.6	82.2	82.4	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9
≥ 6000	81.3	82.9	83.1	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6
≥ 5000	83.0	84.7	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5
≥ 4500	83.4	85.1	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9
≥ 4000	84.3	86.1	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0
≥ 3500	84.9	86.8	87.2	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7
≥ 3000	85.4	87.4	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 2500	86.2	88.3	88.7	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
≥ 2000	87.0	89.3	89.7	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4
≥ 1800	87.2	89.5	90.0	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.7
≥ 1500	87.8	90.3	90.8	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.6	91.6
≥ 1200	88.3	91.0	91.6	91.9	92.1	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.5
≥ 1000	88.8	91.7	92.3	92.7	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.3
≥ 900	89.0	92.0	92.6	93.0	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.7
≥ 800	89.2	92.4	93.1	93.5	93.8	93.8	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 700	89.4	92.8	93.5	94.1	94.3	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 600	89.5	93.1	94.0	94.5	94.8	94.9	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.4
≥ 500	89.7	93.5	94.4	95.1	95.4	95.5	95.7	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1
≥ 400	89.8	93.8	94.8	95.7	96.1	96.2	96.5	96.6	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
≥ 300	89.8	94.0	95.0	96.0	96.5	96.6	97.0	97.2	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.9
≥ 200	89.8	94.0	95.1	96.1	96.7	96.8	97.3	97.6	97.6	98.1	98.2	98.2	98.2	98.4	98.4	98.6	98.7
≥ 100	89.8	94.0	95.1	96.1	96.7	96.8	97.3	97.6	97.6	98.2	98.4	98.4	98.4	98.8	98.8	99.3	99.7
≥ 0	89.8	94.0	95.1	96.1	96.7	96.8	97.3	97.6	97.6	98.2	98.4	98.4	98.4	98.8	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 70122



PART D

SKY COVER

Stations that report both synoptic and airways observations have had their sky cover reports converted into airways. The synoptic hours have significantly lower observation counts than the airways, hence, a small percentage of observations were reported in the 1/10, 4/10, 5/10, 6/10, and 8/10 categories. In order to use this data more beneficially we have combined:

1/10 and 4/10 into the 3/10 (scattered) category  
5/10, 6/10 and 8/10 into the 9/10 (broken) category  
0/10 is the clear category  
10/10 is the overcast category

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

23047

AMARILLO MAP TX

74-81

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	39.2			13.5						11.7	35.7	5.0	743
	03-05	38.7			15.2						10.6	35.4	5.0	742
	06-08	34.7			16.5						14.0	34.8	5.2	741
	09-11	24.8			21.0						16.3	38.0	5.9	743
	12-14	24.1			22.2						21.3	32.4	5.8	743
	15-17	26.2			19.8						22.3	31.6	5.8	743
	18-20	33.1			17.5						18.4	31.0	5.3	744
	21-23	38.4			14.7						13.5	33.5	5.0	743
	TOTALS	32.4			17.6						16.0	34.1	5.4	5942

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SKY COVER

23047 AMARILLO MAP TX

74-81

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
FEB	00-02	46.6			14.4							8.6	30.4	4.2	674
	03-05	43.5			13.8							10.3	32.4	4.6	669
	06-08	38.6			15.5							11.8	34.1	4.9	677
	09-11	30.9			19.2							15.4	34.6	5.4	677
	12-14	27.9			23.1							20.0	29.0	5.4	675
	15-17	26.0			20.7							23.5	29.8	5.7	677
	18-20	32.6			15.9							20.4	31.1	5.4	678
	21-23	41.1			21.0							8.9	29.1	4.3	677
TOTALS		35.9			18.0							14.9	31.3	5.0	5404

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

23047

AMAPILLO MAP TX

74-81

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	40.8			16.4						14.7	28.1	4.6	743
	03-05	38.9			16.6						13.9	30.5	4.8	740
	06-08	33.9			19.7						13.5	33.0	5.1	743
	09-11	29.6			18.6						19.8	31.9	5.5	742
	12-14	28.0			23.0						18.7	30.3	5.4	739
	15-17	25.6			20.6						24.7	29.0	5.7	737
	18-20	31.0			21.2						20.0	27.8	5.2	741
	21-23	42.2			18.1						13.4	26.2	4.4	744
TOTALS		33.8			19.3						17.3	29.6	5.1	5929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SKY COVER

23047 AMARILLO MAP TX

74-81

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	43.8			17.6						12.6	26.0	4.3	720
	03-05	40.6			18.3						14.9	26.3	4.5	720
	06-08	36.4			15.9						16.1	31.6	5.1	719
	09-11	34.3			14.6						21.5	29.6	5.3	720
	12-14	32.2			20.3						21.9	25.6	5.1	720
	15-17	25.3			25.9						25.1	23.7	5.4	718
	18-20	28.5			26.4						19.3	25.8	5.1	720
	21-23	39.7			20.4						14.7	25.1	4.5	720
TOTALS		35.1			19.9						18.3	26.7	4.9	5757



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

23047 AMARILLO MAP TX

73-80

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	45.1			17.4						13.8	23.8	4.1	720
	03-05	40.8			24.9						15.9	18.4	4.0	718
	06-08	35.0			29.4						22.1	13.5	4.2	720
	09-11	39.2			29.4						21.7	9.7	3.8	720
	12-14	32.0			36.2						23.5	8.2	4.0	718
	15-17	22.1			41.9						27.4	8.6	4.6	720
	18-20	25.8			31.1						28.8	14.3	5.0	720
	21-23	37.1			20.1						22.2	20.6	4.7	720
TOTALS		34.6			28.8						21.9	14.6	4.3	5756





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

### SKY COVER

23047 AMARILLO MAP TX

73-80

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
AUG	00-02	38.8			22.4							14.1	24.6	4.4	744
	03-05	38.7			23.3							14.8	23.2	4.4	742
	06-08	30.6			29.5							21.5	18.4	4.7	743
	09-11	36.7			28.9							21.0	13.4	4.1	744
	12-14	27.4			34.5							27.4	10.6	4.6	744
	15-17	18.1			45.7							27.6	8.6	4.7	744
	18-20	26.6			33.2							26.7	13.4	4.7	744
	21-23	37.1			23.8							18.7	20.4	4.4	744
TOTALS		31.8			30.2							21.5	16.6	4.5	5949

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SKY COVER**

23047 AMARILLO MAP TX

73-80

SEP

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
SEP	00-02	45.1			16.5						10.6	27.8	4.2	720
	03-05	42.3			16.6						12.4	28.8	4.5	719
	06-08	33.8			20.2						19.0	27.1	5.0	717
	09-11	30.4			25.7						19.2	24.7	5.0	720
	12-14	27.4			25.4						25.4	21.8	5.2	720
	15-17	24.4			30.4						24.0	21.1	5.2	720
	18-20	34.6			26.8						16.8	21.8	4.5	720
	21-23	42.8			20.1						11.3	25.8	4.2	720
	TOTALS	35.1			22.7						17.3	24.9	4.7	5756





FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

23.47 AMAPILLO MAP TX

73-80

DEC

STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
01-02		53.6			15.9							8.7	21.8	3.4	743
03-05		52.4			17.6							9.4	20.6	3.4	744
06-08		48.3			17.5							14.9	19.4	3.8	744
09-11		37.0			21.2							21.1	20.7	4.6	744
12-14		31.7			24.6							23.3	20.4	4.9	744
15-17		32.4			23.8							23.0	20.8	4.9	744
18-20		43.0			18.5							17.2	21.2	4.2	744
21-23		50.1			16.8							10.8	22.3	3.7	744
TOTALS		43.6			19.5							16.1	20.9	4.1	5951

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

23047 AMARILLO MAP TX

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	32.4			17.6						16.0	34.1	5.4	5942
FEB		35.9			18.0						14.9	31.3	5.0	5404
MAR		33.8			19.3						17.3	29.6	5.1	5929
APR		35.1			19.9						18.3	26.7	4.9	5757
MAY		27.0			22.9						23.0	27.1	5.5	5940
JUN		34.6			28.8						21.9	14.6	4.3	5756
JUL		26.9			34.0						25.2	13.8	4.7	5951
AUG		31.8			30.2						21.5	16.6	4.5	5949
SEP		35.1			22.7						17.3	24.9	4.7	5756
OCT		55.3			15.7						11.7	17.3	3.3	5931
NOV		43.4			18.0						12.4	26.2	4.3	5750
DEC		43.6			19.5						16.1	20.9	4.1	5951
TOTALS		36.2			22.2						18.0	23.6	4.7	70016

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

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

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

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

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

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

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



GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AT WEATHER SERVICE/MAC

23 47

AMARILLO MAP TX

46-81

STATION

STATION NAME

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
105						.7	.1						.1
100					.4	5.4	6.1	3.8	.4				1.3
95				.1	4.1	22.2	36.7	23.8	6.3	.1			7.8
90			.2	3.2	15.9	49.2	68.8	57.4	24.4	3.5			18.6
85		.4	.9	12.1	33.5	71.5	85.1	79.6	48.9	15.6	.3		29.1
80	.1	1.4	6.5	25.3	51.8	86.0	94.6	92.0	67.0	32.9	7.2	.2	38.4
75	1.9	5.3	16.7	42.2	68.6	94.0	97.8	96.8	79.4	49.9	9.3	1.4	47.0
70	6.0	11.2	28.8	58.9	82.1	97.3	99.4	99.3	90.1	64.7	23.1	7.3	55.8
65	14.7	22.9	42.3	74.6	88.9	98.8	99.6	99.7	95.4	77.6	37.5	17.1	64.2
60	26.0	36.4	56.4	84.6	96.3	99.8	100.0	99.9	97.7	87.6	53.0	31.1	72.5
55	39.2	51.1	69.5	90.7	98.8	100.0		100.0	99.2	92.5	65.2	45.7	79.4
50	53.2	63.0	78.9	95.0	99.6				99.7	96.3	77.6	61.2	85.4
45	64.3	72.3	86.6	97.7	99.8				99.9	98.4	83.9	73.3	89.7
40	74.0	80.9	92.6	99.4	99.9				100.0	99.4	91.5	83.8	93.5
35	82.8	88.9	95.5	99.7	100.0					99.7	96.0	89.8	96.0
30	88.3	94.1	98.2	99.9						100.0	99.2	95.1	97.9
25	92.5	97.1	99.0	100.0							99.6	98.0	98.8
20	96.3	98.9	99.8								99.8	99.2	99.5
15	98.2	99.9	100.0								100.0	99.8	99.8
10	99.4	100.0										100.0	100.0
5	100.0												100.0
MEAN	48.9	53.1	60.6	71.1	79.0	88.2	91.3	89.5	82.4	72.8	58.8	52.1	70.7
S.D.	14.824	14.181	13.688	11.663	10.343	8.185	6.631	6.734	9.424	11.429	12.704	12.573	18.748
TOTAL OBS.	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 27 47 AMARILLO MAP TX

DAILY TEMPERATURES

STATION: AMARILLO MAP TX STATION NAME: 46-81 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
75						.4	.8	.1					.1
70					.1	7.8	20.7	8.8	.4				3.2
65				.1	1.8	30.7	66.1	50.4	11.4	.5			13.5
60				1.1	13.6	64.5	94.4	88.6	41.1	3.0			25.6
55			.2	5.9	37.9	87.8	99.4	98.2	64.6	12.8	.2		34.0
50		.1	1.8	20.0	65.4	97.3	100.0	99.9	85.3	31.5	1.7	.1	42.0
45	.6	1.2	7.0	39.1	85.0	99.4		100.0	94.8	54.5	6.9	1.4	49.3
40	1.9	5.0	19.1	63.0	94.7	100.0			99.0	77.1	18.6	4.4	57.0
35	8.2	16.6	39.5	81.6	98.4				100.0	91.1	39.0	10.4	65.5
30	13.1	24.0	48.7	88.0	99.5					94.6	49.6	16.3	69.6
25	24.1	36.7	62.1	93.9	99.9					97.8	62.8	28.0	75.5
20	44.1	59.9	80.5	98.8	100.0					99.9	82.4	54.9	85.1
15	62.9	77.8	91.5	99.8						100.0	92.5	78.1	91.9
10	75.7	90.2	96.1	100.0							97.4	89.5	95.7
5	85.6	96.6	98.4								99.1	96.1	98.0
0	93.0	98.7	99.4								99.6	99.1	99.1
-5	97.3	99.6	99.8								100.0	99.7	99.7
-10	99.0	99.7	100.0									100.0	99.9
-15	99.9	99.9											100.0
	100.0	100.0											100.0
MEAN	21.5	26.0	31.8	42.2	51.9	61.4	66.0	64.3	56.8	45.4	32.0	25.1	43.7
S. D.	10.400	8.905	9.042	8.139	6.991	5.793	3.959	3.985	6.774	7.837	8.491	8.223	17.339
TOTAL OBS.	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC

**DAILY TEMPERATURES**

AIR WEATHER SERVICE/MAC  
2347 AMAPILLO MAP TX

46-81

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95						.4	.1						.0
90					.1	6.1	11.1	4.5	.1				1.8
85					1.8	24.0	51.3	34.6	6.0	.1			9.9
80				.8	13.9	56.8	81.8	72.9	30.5	1.8			21.6
75			.5	7.0	33.9	82.0	95.9	93.5	57.2	12.5			31.9
70		.2	2.2	21.4	58.1	94.3	99.4	98.9	77.4	32.0	.9	.1	40.5
65	.4	1.7	10.0	39.7	77.2	97.5	99.8	99.5	90.8	51.5	5.3	.4	47.9
60	2.3	6.9	23.0	63.9	91.1	99.9	100.0	99.9	96.7	73.0	20.8	3.8	56.9
55	10.4	18.4	40.6	79.0	97.6	100.0		100.0	99.0	86.5	37.9	12.2	65.3
50	23.2	36.6	61.3	89.9	99.5				99.8	94.2	56.7	29.2	74.3
45	42.5	54.9	75.4	95.7	99.8				100.0	97.8	74.2	49.2	82.5
40	58.6	71.0	86.8	99.4	100.0					99.5	86.1	69.3	89.3
35	70.6	81.7	93.5	99.7						99.9	93.8	83.8	93.6
30	81.4	90.8	97.2	100.0						100.0	98.1	91.9	96.6
25	89.9	95.8	98.6								99.5	96.9	98.4
20	94.4	98.8	99.4								99.7	98.9	99.3
15	97.4	99.7	99.9								99.9	99.6	99.7
10	99.2	99.9	100.0								100.0	100.0	99.9
5	99.7	100.0											100.0
0	100.0												100.0
-5													100.0
MEAN	35.5	39.8	46.5	56.9	65.7	75.0	78.9	77.2	69.9	59.4	45.7	38.8	57.4
S. D.	11.790	10.660	10.474	9.010	7.868	6.434	4.849	4.856	7.312	8.779	9.732	9.540	17.554
TOTAL OBS.	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

2347 AMAPILLO MAP TX  
 STATION STATION NAME

46-81  
 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46							102	100	92	84	75	75	
47	72	73	80	84	96	99	100	99	102	91	73	71	102
48	71	75	81	94	94	104	100	96	99	88	74	73	104
49	61	69	79	81	90	98	98	96	92	88	81	68	98
50	81	77	82	94	93	101	95	100	88	90	80	71	101
51	76	82	81	91	94	98	103	103	97	93	76	76	103
52	77	73	80	88	95	103	99	103	95	89	85	70	103
53	79	74	82	90	102	108	103	102	98	93	77	67	108
54	76	79	81	91	89	98	103	102	97	95	80	78	103
55	68	74	82	90	89	101	98	95	92	89	79	81	101
56	78	79	86	91	96	99	99	98	99	90	79	72	99
57	75	80	75	86	84	106	102	99	91	88	74	70	106
58	68	70	74	80	97	98	99	98	93	90	80	79	99
59	68	77	79	93	93	101	95	100	97	88	76	66	101
60	62	61	80	89	95	103	100	97	92	84	76	66	103
61	67	79	84	91	98	97	96	97	96	90	74	74	98
62	69	86	86	90	99	96	98	99	96	92	80	73	99
63	78	88	90	93	98	97	100	97	93	91	79	68	100
64	72	64	84	92	99	101	102	104	93	89	79	76	104
65	74	75	78	98	94	95	97	96	98	93	81	76	98
66	65	59	84	87	98	98	102	100	90	87	82	73	102
67	79	79	87	88	94	95	99	100	96	93	81	70	100
68	67	67	84	84	92	104	98	99	95	94	77	72	104
69	73	76	74	89	96	100	104	102	92	91	78	74	104
70	79	81	79	88	92	104	104	100	100	87	81	75	104
71	76	76	94	93	95	94	100	92	95	86	80	75	100
72	77	81	85	93	88	96	95	95	94	89	69	71	96
73	68	69	74	84	91	102	102	103	95	94	82	75	103
74	77	74	86	91	99	99	100	96	90	85	77	67	100
75	78	73	82	87	88	96	93	98	92	91	85	72	98
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

23147  
STATION

AMARILLO MAP TX  
STATION NAME

46-81  
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76	70	82	83	84	93	100	95	95	91	84	73	71	100
77	54	79	80	85	91	100	99	99	97	85	80	75	100
78	66	68	86	89	97	101	105	100	97	89	80	74	105
79	62	86	78	87	93	98	99	92	94	94	68	73	99
80	73	77	76	85	92	106	104	99	97	84	87	77	106
81	75	83	83	93	93								
MEAN	71.9	75.6	81.7	88.9	93.9	99.9	99.7	98.6	94.7	89.4	78.2	72.7	101.5
S. D.	5.971	6.753	4.457	4.000	3.807	3.436	3.029	2.962	3.195	3.218	4.131	3.652	2.788
TOTAL OBS	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

NOTES \* (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

23047

AMARILLO MAP TX

46-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46							59	53	38	34	23	7	
47	-3	11	13	29	36	44	57	58	43	37	17	15	-3
48	3	0	-3	20	39	54	60	58	42	28	17	17	-3
49	-3	16	18	26	41	51	58	50	47	26	28	10	-3
50	-1	15	8	26	39	50	53	51	49	36	9	3	-1
51	-7	-14	16	26	40	43	56	59	39	29	13	5	-14
52	6	15	13	20	37	56	54	63	45	29	7	10	6
53	10	10	19	24	33	52	54	59	46	36	20	7	7
54	4	20	14	29	28	45	63	62	52	30	24	6	4
55	13	4	9	30	43	42	60	55	45	28	11	12	4
56	3	6	9	23	41	58	57	49	45	31	15	12	3
57	5	16	22	23	43	49	61	60	44	25	3	9	3
58	13	10	17	30	42	48	58	58	43	33	10	9	9
59	-11	11	16	27	41	51	56	59	39	30	8	23	-11
60	-4	2	0	31	36	53	58	55	44	29	20	17	-4
61	6	14	20	26	38	54	57	53	42	34	15	-3	-3
62	-8	3	12	25	34	51	59	55	45	33	26	8	-8
63	-9	11	15	36	42	54	63	59	40	40	22	5	-9
64	0	5	14	25	42	43	55	54	42	32	17	2	0
65	16	3	8	35	38	49	60	59	39	37	7	17	3
66	-6	8	16	25	35	48	66	52	47	30	20	6	-6
67	6	13	7	33	33	54	60	55	41	34	21	12	6
68	3	16	22	27	43	49	60	55	46	33	22	3	3
69	8	12	11	33	42	48	61	64	54	28	16	7	7
70	1	17	20	25	30	43	58	57	36	25	16	14	1
71	-4	0	10	24	33	50	54	58	39	31	24	15	-4
72	1	5	17	23	38	52	54	52	39	26	12	-1	-1
73	2	13	29	18	36	49	55	60	43	37	19	7	2
74	2	13	19	29	46	52	61	53	45	35	13	12	2
75	3	7	17	19	37	47	61	57	39	29	12	9	3
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

23747  
 STATION

AMARILLO MAP TX  
 STATION NAME

46-81  
 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76	1	14	13	31	32	48	57	54	38	25	0	8	0
77	-1	21	23	27	49	59	63	60	47	35	17	7	-1
78	5	6	8	33	32	55	57	56	45	34	21	-4	-4
79	-8	12	21	22	33	46	57	51	46	31	16	9	-8
80	9	9	4	26	41	51	62	56	42	21	3	11	3
81	13	-7	22	31	37								
MEAN	2.0	9.1	14.3	26.8	38.0	49.9	58.4	56.3	43.3	31.2	16.0	8.7	-5
S. D.	6.797	7.328	6.745	4.486	4.672	4.306	3.108	3.708	4.013	4.280	6.761	5.767	5.468
TOTAL OBS	1085	989	1085	1050	1085	1020	1085	1085	1050	1085	1050	1085	12754

NOTES \* (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

JAN

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
62/ 61										.1								1	1		
58/ 57						.4			.3									5	5		
56/ 55									.1									1	1		
54/ 53							.1	.3										3	3		
52/ 51						.1	.1	.1										3	3		
50/ 49		.1			.1	.4	.3	.1										8	8		
48/ 47		.3			.3	.4	.3	.1										10	10	4	
46/ 45				.4	.8	.4	.1	.1										14	14	2	3
44/ 43		.1		.9	.5	.4	.1											16	16	1	
42/ 41		.1	.3	.8	.8	.4												18	18	5	
40/ 39			1.6	.8	1.2	.8												33	33	20	2
38/ 37	.1	1.3	1.5	1.5	1.9	.3												49	49	19	1
36/ 35		2.7	1.2	1.5	.7													45	45	45	8
34/ 33		1.7	1.9	1.7	.4													43	43	48	10
32/ 31	1.3	3.2	3.4	2.0	1.2													83	83	63	40
30/ 29	1.2	2.6	1.6	.5	.4													47	47	77	47
28/ 27	1.3	2.2	3.1	.4														52	52	67	38
26/ 25	1.2	4.4	1.6	.3														56	56	58	48
24/ 23	.8	2.2	.8	.3														30	30	80	44
22/ 21	.5	4.4	1.9	.4														54	54	44	58
20/ 19	1.6	2.0	1.3															37	37	44	69
18/ 17	1.1	1.7	.5	.8														31	31	35	71
16/ 15		1.5	.4															14	14	18	62
14/ 13	.9	1.9	.8															27	27	30	40
12/ 11	1.3	1.1	.1															19	19	28	44
10/ 9	1.2	.7																14	14	21	26
8/ 7	.8	.7																11	11	11	41
6/ 5	.1	.5																5	5	8	15
4/ 3	.4	.7																8	8	8	21
2/ 1		.7																5	5	5	19
0/ -1																				1	6
-2/ -3		.3																2	2	1	7
-4/ -5																				1	8
-6/ -7																					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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

JAN  
 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 Po																
-8/-9																																					
-10/-11																																					
-14/-15																																					
TOTAL	14.1	37.1	22.0	12.4	8.3	3.5	.9	.7	.7	.1	.1																										

Element (X)	$\Sigma x^2$	$\Sigma x$	X	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	3713805	50649	68.1	18.914	744							4
Dry Bulb	672909	20887	28.1	10.792	744	.3	61.9					9
Wet Bulb	517340	18458	24.8	8.942	744	.4	75.0					9
Dew Point	305672	13204	17.7	9.799	744	4.6	90.0					9

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

23047 AMAPILLO MAP TX

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

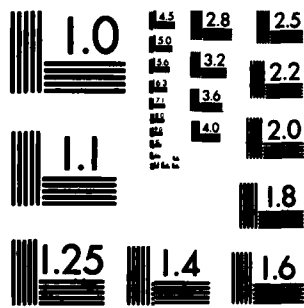
PAGE 1 0300-0  
 HOURS (L.S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb Dew																	
56/ 55									.1																								1	1			
54/ 53									.4																									3	3		
52/ 51						.1			.1																									2	2		
50/ 49					.1			.1																										2	2		
48/ 47		.3		.4	.1	.1																												7	7		
46/ 45		.1			.7	.1	.1	.1																										9	9	2	
44/ 43				.9	.7	.3	.5																											18	18	1	
42/ 41			.3	.4	.7	.4	.1																											14	14	4	
40/ 39			.9	.4	.3																													12	12	7	
38/ 37		.4	1.1	1.2	.4	.3																												25	25	17	
36/ 35		1.2	2.2	2.2	.8																													47	47	21	
34/ 33		3.0	2.3	2.7	.8																													65	65	30	
32/ 31	.5	3.4	3.1	2.3	.4																													72	72	72	
30/ 29	1.7	2.8	2.6	.5	.3																													59	59	71	
28/ 27	1.5	2.8	1.2	.3																														43	43	87	
26/ 25	1.6	3.2	2.6	.4																														58	58	67	
24/ 23	.9	3.0	.7																															34	34	50	
22/ 21	2.6	3.1	1.3																															52	52	60	
20/ 19	1.9	3.4	.8																															45	45	48	
18/ 17	2.2	1.9	1.1	.4																														41	41	44	
16/ 15	.7	2.3	1.3																															32	32	29	
14/ 13	.8	1.1																																14	14	29	
12/ 11	2.3	1.6																																29	29	34	
10/ 9	1.9	.7	.4																															22	22	26	
8/ 7	1.1	1.1																																16	16	19	
6/ 5	.3	.5																																6	6	9	
4/ 3	.1	.7																																6	6	5	
2/ 1		.8																																6	6	4	
0/ -1	.3	.1																																3	3	5	
-2/ -3		.1																																1	1	2	
-4/ -5																																					
-6/ -7																																					
-8/ -9																																					
-10/ -11																																					
Element (X)	Σ X²		Σ X		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	Tot																						
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



13176



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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

YEARS

JAN  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
55/ 55								.1										1	1		
54/ 53									.1									1	1		
52/ 51						.1												1	1		
52/ 49						.3												2	2		
48/ 47					.1													1	1		
46/ 45					.3	.1												3	3		
44/ 43			.4	.5	.3		.5											13	13	1	
42/ 41		.1	.1	.3	.1	.5	.1											10	10	1	
42/ 39			.4	.3	.8	.3												13	13	8	
38/ 37		.9	1.1	.5	.5	.1												24	24	8	2
36/ 35	.3	.5	1.2	.9	.3													24	24	19	3
34/ 33	.3	2.6	1.9	2.0	.8	.3												58	58	28	8
32/ 31		3.5	2.6	1.9	.4													62	62	42	23
30/ 29	2.0	1.9	4.4	.9														69	69	66	20
28/ 27	2.0	3.5	3.0	.3														65	65	83	41
26/ 25	2.0	5.1	2.4	.3														73	73	78	54
24/ 23	.4	1.7	.7	.1														22	22	80	33
22/ 21	1.6	4.6	1.2	.1														56	56	54	56
20/ 19	2.4	3.4	.4															46	46	50	77
18/ 17	1.2	2.2	1.1	.3														35	35	34	66
16/ 15	1.9	3.4	1.3															49	49	40	83
14/ 13	.8	1.7	.1															20	20	41	56
12/ 11	1.9	1.2																23	23	30	34
10/ 9	.9	1.5	.4															21	21	22	42
8/ 7	1.7	1.5																24	24	25	34
6/ 5	.3	1.2																11	11	12	25
4/ 3	.3	.7																7	7	11	23
2/ 1		.8																6	6	5	21
0/ -1	.3																	2	2	4	12
-2/ -3		.1																1	1	1	7
-4/ -5	.1																	1	1	1	7
-6/ -7																					10
-8/ -9																					5
-10/ -11																					1
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047

AMARILLO MAP TX

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0600-0800

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	
	-14/-15 TOTAL	20.4	2.1	2.7	8.5	3.6	1.7	.7	.1	.1										744	744	744
Element (X)	$\Sigma X'$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.	4121964	53998		72.6	16.525	744		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93								
Dry Bulb	518716	18244		24.5	9.799	744		.5	74.1					93								
Wet Bulb	419312	16488		22.2	8.519	744		.8	84.9					93								
Dew Point	259552	12082		16.2	9.234	744		5.4	91.4					93								

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

JAN

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
62/ 61																		3	3	
60/ 59								.1										1	1	
58/ 57								.1	.1	.1	.1							4	4	
56/ 55								.1	.1	.1	.1	.1						5	5	
54/ 53									.1	.1	.4	.3						7	7	
52/ 51						.3		.3	.3	.1	.1							8	8	
50/ 49					.9	.8	.5	.3										19	19	
48/ 47		.1		.3	.8	.8	1.1	.1										24	24	5
46/ 45		.1		.1	.9	.5	.5	.1										18	18	3
44/ 43			.1	.7	1.1	1.1	.3											24	24	6
42/ 41		.5	.7	.8	.8	.9	.1											29	29	21
40/ 39		.1	1.2	2.3	.9	.8												40	40	24
38/ 37		.3	1.2	2.4	1.6	.1												42	42	31
36/ 35	.1	.9	1.6	1.3	.8	.1												37	37	48
34/ 33	.1	1.3	3.4	2.2	.3	.1												55	55	56
32/ 31	.3	3.1	2.2	1.3	.5													55	55	62
30/ 29	1.7	1.6	2.3	.7														47	47	86
28/ 27	1.6	1.3	2.3	.5														43	43	59
26/ 25	1.5	2.6	1.3	.7														45	45	52
24/ 23	.7	1.5	.5	.3														22	22	52
22/ 21	1.1	1.7	1.6	.3														35	35	31
20/ 19	1.9	3.2	1.2															47	47	36
18/ 17	1.3	1.7	.9															30	30	44
16/ 15	.9	2.2	.7															28	28	29
14/ 13	1.2	1.5	.1															21	21	31
12/ 11	.9	1.9	.1															22	22	25
10/ 9	.4	.9	.1															11	11	15
8/ 7	.8	.4																9	9	12
6/ 5		.1																1	1	3
4/ 3	.3	.4																5	5	5
2/ 1	.1	.4																4	4	3
0/ -1	.3																	2	2	4
-2/ -3		.1																1	1	1
-4/ -5																				4
																				3
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

JAN

STATION STATION NAME

YEARS

MONTH

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	
-6/-7																						5
-8/-9																						2
-10/-11																						4
TOTAL	15.3	28.2	21.6	13.8	9.0	6.0	3.4	1.5	.8	.3								744			744	
																	744		744			
Element (X)	$\sum X^2$		$\sum X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	3527531		49077		66.0	19.764	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb	775398		22318		30.0	11.940	744	.4	53.5					93								
Wet Bulb	573437		19437		26.1	9.400	744	.6	68.8					93								
Dew Point	321740		13868		18.6	9.226	744	3.4	88.8					93								

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 JAN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
76/ 75											.1							1	1			
74/ 73											.1			.1				2	2			
72/ 71											.3	.1						3	3			
70/ 69											.1	.1						2	2			
68/ 67									.4		.3	.1						6	6			
66/ 65								.4	.5	.7	.4							15	15			
64/ 63							.1	.1	.7	.9								14	14			
62/ 61								.9	.7	1.1								20	20			
60/ 59					.1	.1	.5	.8	.1									13	13			
58/ 57				.1		.5	1.6	.5	.7									26	26			
56/ 55					.5	.5	2.0	.9										30	30	2		
54/ 53			.1		.8	1.3	1.2	.4										29	29	1		
52/ 51			.1	.5	1.1	.9	1.9	.5										38	38	7		
50/ 49			.1	.7	1.6	1.5	.9	.1										37	37	6		
48/ 47	.1	.3	.3	.4	1.1	1.9	.3											32	32	18		
46/ 45	.1	.5	1.5	1.7	1.5	.1												41	41	35		
44/ 43	.1	.1	1.1	1.3	1.7	.1												34	34	55		
42/ 41		.8	.4	1.7	1.2													31	31	50		
40/ 39	.1	.1	1.3	1.5	.7													28	28	52		
38/ 37	.7	.7	.9	.9	.5	.1												29	29	66		
36/ 35	.4	1.3	1.2	.9	.1													30	30	60		
34/ 33	.1	.8	1.1	1.1	1.1	.1												32	32	52		
32/ 31	.7	.9	1.6	1.3	.8	.1												41	41	45		
30/ 29	.8	.8	1.3	.8	.4													31	31	39		
28/ 27	.8	1.1	1.2	.8	.1													30	30	48		
26/ 25	.8	1.1	1.1	.3														24	24	43		
24/ 23	.4	1.5	.5	.7														23	23	35		
22/ 21	.7	.9	.4	.5														19	19	25		
20/ 19	2.3	1.7	.1															31	31	34		
18/ 17	.4	.5	.1	.1														9	9	19		
16/ 15	.1	1.3	.5															15	15	8		
14/ 13	.3	.9	.1															10	10	21		
12/ 11	.1	.5	.1															6	6	6		
10/ 9	.4	.4																6	6	8		
Element (X)	Σ X²	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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
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PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 JAN  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
8/ 7		.1	.1															2	2	3	14	
6/ 5		.3																2	2	3	11	
4/ 3		.3																2	2	3	5	
2/ 1																					9	
0/ -1																					8	
-2/ -3																					3	
-4/ -5																					4	
-6/ -7																					3	
-8/ -9																					1	
-10/-11																					3	
TOTAL	7.9	14.9	12.0	11.8	12.0	11.6	8.6	8.7	5.2	2.7	3.6	.8		.1				744	744	744	744	
Element (X)	Σ x <sup>2</sup>	Σ x	X	x <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	2343019	38113	51.2	22.928	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	9										
Dry Bulb	1346585	29733	40.0	14.598	744		31.4	1.8	.4			9										
Wet Bulb	852335	24073	32.4	9.941	744		42.5					9										
Dew Point	375046	15276	20.5	9.090	744	2.8	87.3					9										

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 JAN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1500-1700  
 HOURS L. S. T. 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
76/ 77													.1		.1			2	2		
76/ 75													.3					2	2		
74/ 73											.1	.3	.1		.1			5	5		
72/ 71												.8		.3	.1			8	8		
70/ 69											.3	.4						5	5		
68/ 67								.4		.7	1.1	.7						21	21		
66/ 65							.1	.1	.5	1.1	.5							18	18		
64/ 63								.7	1.2	.3								16	16		
62/ 61								1.3	1.1	.1								19	19		
60/ 59						.3	1.2	.7	1.1	.1								25	25		
58/ 57					.3	1.1	1.3	.5	.9									31	31		
56/ 55					.1	1.9	2.4	.4	.1									37	37	1	
54/ 53			.3	.3	.8	1.3	1.2	.8	.8									41	41	1	
52/ 51		.1	.3	.7	.9	2.7	.8	.8										41	41	11	
50/ 49		.3	.1	.4	2.3	2.6	.7	.1										48	48	13	
48/ 47		.4	.4	.9	1.7	.4												29	29	30	
46/ 45		.3	.5	.7	1.5	.3	.1											25	25	66	1
44/ 43		.4	.4	1.5	2.0	.4	.1											36	36	55	5
42/ 41			.9	1.1	.5	.1												20	20	53	1
40/ 39		.5	.7	.5	.8	.4												22	22	51	8
38/ 37		.8	.8	1.3	1.1	1.1	.3											34	34	73	5
36/ 35		.8	.7	1.6	1.3	.8												39	39	51	12
34/ 33		.5	.7	1.7	1.1													30	30	46	14
32/ 31	.3	1.1	.9	.9	.3													26	26	34	46
30/ 29	1.3	.1	.9	.4	.3													23	23	50	35
28/ 27	.9	1.1	.7	.4	.4													26	26	45	66
26/ 25	.1	1.2	.3	.4	.1													16	16	34	76
24/ 23	.3	.8	.1															9	9	24	46
22/ 21	.7	1.2	.3															16	16	18	61
20/ 19	2.3	.9	.4	.4														30	30	28	88
18/ 17	.4	.3	.1	.3														8	8	13	65
16/ 15		1.2																9	9	10	48
14/ 13	.5	1.5	.3															17	17	18	22
12/ 11		.8																6	6	9	35
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 JAN

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	
10/ 9		.1																1	1	6	38	
8/ 7		.3																2	2	1	20	
6/ 5		.1																1	1	2	10	
4/ 3																				1	4	
2/ 1																					16	
0/ -1																					9	
-2/ -3																					1	
-4/ -5																					6	
-6/ -7																					4	
-8/ -9																					2	
TOTAL	6.9	12.1	7.8	11.2	9.4	11.8	11.3	10.3	5.2	5.2	3.5	3.5	1.2	.3	.3			744	744	744	744	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	1972743	34213	46.0	23.187	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93										
Dry Bulb	1569226	32226	43.3	15.276	744		23.8	5.4	1.1			93										
Wet Bulb	942060	25414	34.2	9.977	744		36.6					93										
Dew Point	371589	15165	20.4	9.170	744	2.8	87.3					93										

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 JAN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1800-2000  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69								.1			.1							2	2		
68/ 67							.1											1	1		
66/ 65									.4		.1							4	4		
64/ 63							.1	.1		.4								5	5		
62/ 61							.3		.3	.4	.1							8	8		
60/ 59								.4	.7	.1								9	9		
58/ 57								.5	.5	.1								9	9		
56/ 55					.1		.4	.8		.3								12	12		
54/ 53					.1	.5	.8	.5	.4									18	18	2	
52/ 51					.1	.7	1.5	1.3	.4									30	30	1	
50/ 49					.5	.9	.8	.9										24	24	3	
48/ 47		.1	.4	.5	1.2	1.3	.5	.5										35	35	5	
46/ 45		.4	.5	.4	1.5	.8	1.1	.1										36	36	12	
44/ 43		.1	.4	1.6	1.2	1.5	.4											39	39	27	5
42/ 41		.3	.9	1.3	1.5	1.5	.4											44	44	42	3
40/ 39		.5	.7	1.5	2.3	1.6	.3											51	51	42	7
38/ 37		.3	.7	1.7	1.7	.4	.1											37	37	65	5
36/ 35		.5	.9	1.6	1.9	.3												39	39	48	10
34/ 33		1.9	1.3	2.2	.8	.1												47	47	56	18
32/ 31	.3	1.3	3.0	.9	.5	.1												46	46	67	41
30/ 29	1.6	.8	2.2	.9	.5													45	45	74	35
28/ 27	.3	.9	1.3	.9														26	26	60	52
26/ 25	.5	2.2	.8	.8	.1													33	33	40	51
24/ 23	.4	1.6	.1	.7														21	21	44	47
22/ 21	.8	2.4	.3	.3														28	28	38	57
20/ 19	.9	1.5	.3	.5														24	24	32	84
18/ 17	.1	.7	.5															10	10	10	55
16/ 15	.8	1.1	.1															15	15	19	59
14/ 13	.9	1.2	.1															17	17	17	62
12/ 11	.4	.8	.3															11	11	16	46
10/ 9	.1	.8																7	7	7	27
8/ 7	.3	.5																6	6	10	20
6/ 5		.3																2	2	4	13
4/ 3																					12
Element (X)	Σ x <sup>2</sup>		Σ x		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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 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			
2/ 1		.1																1	1	1	7			
0/ -1		.1																1	1		8			
-2/ -3																				1	5			
-4/ -5																					8			
-6/ -7	.1																	1	1	1	1			
-8/ -9																					4			
-10/-11																					1			
-12/-13																					1			
TOTAL	7.7	20.6	14.9	16.0	14.2	9.8	6.7	5.1	2.2	2.3	.3	.3						744	744	744	744			
Element (X)	Σx²		Σx		Σ	Σ²	No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.	2664302		41538		55.8	21.555	744		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	1077959		26647		35.8	12.896	744		.3	36.8	.4				93									
Wet Bulb	726301		22169		29.8	9.406	744		.3	55.1					93									
Dew Point	345905		14431		19.4	9.424	744		3.5	87.0					93									

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
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PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

JAN  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
62/ 61											.1							1		1															
60/ 59							.3											2		2															
58/ 57						.4	.1			.1								5		5															
56/ 55								.1		.1								2		2															
54/ 53							.3	.4	.7									10		10															
52/ 51		.1				.1	.5	.1	.4									10		10															
50/ 49						.4	.3	.4										8		8	1														
48/ 47		.3			.8	1.1	.4	.1										20		20	6	1													
46/ 45				.8	.9	.4	.4	.1										20		20	2	2													
44/ 43		.1	.3	.5	.8	1.6	.5											29		29	1														
42/ 41		.4	.8	.7	.7	.4	.4											25		25	11														
40/ 39		.7	1.7	2.0	.8	1.1												47		47	33	4													
38/ 37		1.1	1.3	1.2	1.6	.4												42		42	40	6													
36/ 35	.3	1.3	2.2	1.7	1.6	.3												55		55	52	12													
34/ 33		.7	2.6	1.9	.8	.1												45		45	48	12													
32/ 31	1.6	3.4	2.3	2.6	.8													79		79	67	46													
30/ 29	1.1	1.3	2.3	2.0	.5													54		54	75	37													
28/ 27	.3	3.2	1.7	.5	.1													44		44	66	45													
26/ 25	.5	2.4	1.7	.1														36		36	76	49													
24/ 23	.4	2.0	1.5	.4														32		32	48	36													
22/ 21	.8	2.6	1.2	.4														37		37	46	59													
20/ 19	1.3	2.6	.7															34		34	38	62													
18/ 17	.5	1.1	.7															17		17	26	65													
16/ 15	.9	2.3	.9	.1														32		32	27	68													
14/ 13	.5	1.2	.1															14		14	25	57													
12/ 11	1.1	.8																14		14	19	50													
10/ 9	.7	.9																12		12	13	37													
8/ 7	.1	.5																5		5	8	20													
6/ 5	.4	.5																7		7	9	17													
4/ 3		.4																3		3	4	10													
2/ 1																						17													
0/ -1																						17													
-2/ -3		.3																2		2	2	17													
-4/ -5	.1																	1		1	1	17													
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

JAN

STATION

STATION NAME

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MONTH

PAGE 2

2100-2300

HOURS (L.S. 1.1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-6/-7																					4
-8/-9																					1
-10/-11																					3
TOTAL	10.8	30.2	22.0	15.1	9.5	6.3	3.2	1.3	1.1	.3	.1							744	744	744	

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3339297	47563	63.92	0.049	744	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	793978	22836	30.7	1.191	744	.4	52.9					93
Wet Bulb	584753	19779	26.6	8.906	744	.4	68.8					93
Dew Point	322699	13737	18.5	9.641	744	4.3	88.4					93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 JAN  
STATION 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														
78/ 77													.0		.0			2	2																
76/ 75											.0		.0					3	3																
74/ 73											.0	.0	.0		.0			7	7																
72/ 71											.0	.1			.0			11	11																
70/ 69									.0		.1	.1						9	9																
68/ 67								.0	.1		.1	.2	.1					28	28																
66/ 65								.0	.1	.2	.2	.1						37	37																
64/ 63							.0	.0	.0	.2	.3	.0						35	35																
62/ 61							.0	.0	.3	.3	.2	.0						52	52																
60/ 59						.0	.1	.2	.2	.2	.0							50	50																
58/ 57			.0		.2	.2	.5	.3	.2									80	80																
56/ 55				.0	.1	.4	.7	.2	.1									89	89	3															
54/ 53			.0	.1	.1	.3	.5	.5	.4	.1								112	112	4															
52/ 51		.0	.0	.0	.1	.4	.5	.8	.3									133	133	19															
50/ 49		.0	.0	.0	.4	.8	.7	.4	.0									148	148	23															
48/ 47		.2	.1	.2	.5	.7	.7	.2										158	158	68	2														
46/ 45		.1	.1	.4	.9	.7	.5	.1										166	166	123	7														
44/ 43		.1	.2	.8	.9	1.1	.4	.0										209	209	147	18														
42/ 41		.2	.5	.7	.9	.7	.2											191	191	187	7														
40/ 39		.2	.9	1.2	1.0	.8	.1											246	246	237	25														
38/ 37	.0	.6	1.0	1.4	1.2	.4	.1											282	282	319	31														
36/ 35	.1	1.1	1.4	1.5	1.0	.2												316	316	344	68														
34/ 33	.1	1.6	1.9	1.9	.8	.1												375	375	364	106														
32/ 31	.6	2.5	2.4	1.7	.6	.0												464	464	452	302														
30/ 29	1.4	1.5	2.2	.9	.3													375	375	538	290														
28/ 27	1.1	2.0	1.8	.5	.1													329	329	515	406														
26/ 25	1.0	2.8	1.5	.4	.0													341	341	448	470														
24/ 23	.5	1.8	.6	.3														193	193	413	329														
22/ 21	1.1	2.6	1.0	.3														297	297	316	463														
20/ 19	1.8	2.3	.7	.1														294	294	310	613														
18/ 17	.9	1.3	.6	.2														181	181	225	505														
16/ 15	.7	1.9	.7	.0														194	194	180	518														
14/ 13	.8	1.4	.2															140	140	212	357														
12/ 11	1.0	1.1	.1															130	130	167	334														
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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

JAN

STATION STATION NAME

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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														
10/ 9	.7	.8	.1															94	94	118	273														
8/ 7	.6	.6	.0															75	75	89	215														
6/ 5	.1	.5																35	35	50	129														
4/ 3	.1	.4																31	31	37	124														
2/ 1	.0	.4																22	22	18	106														
0/ -1	.1	.0																8	8	14	70														
-2/ -3		.1																7	7	8	44														
-4/ -5	.0																	2	2	3	48														
-6/ -7	.0																	1	1	1	47														
-8/ -9																					18														
-10/-11																					24														
-12/-13																					1														
-14/-15																					2														
TOTAL	12.9	27.8	18.1	12.6	8.9	6.5	4.5	3.5	2.0	1.4	1.0	.6	.2	.1	.0			5952	5952	5952	5952														
																		5952		5952															
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	25685986	368106	61.8	22.152	5952	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	744																							
Dry Bulb	7335580	192224	32.3	13.765	5952	2.3	401.6	7.5	1.5			744																							
Wet Bulb	5075930	163150	27.4	10.073	5952	3.3	514.3					744																							
Dew Point	2585013	110437	18.6	9.490	5952	31.8	711.0					744																							

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      74-81      FEB  
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																
66/ 65									.3	.3	.1																					5	5				
62/ 61									.1		.1																						2	2			
60/ 59											.1																						1	1			
58/ 57									.1																								1	1			
56/ 55					.1	.3	.4				.1																						7	7			
54/ 53							.3				.1	.1																					4	4			
52/ 51				.1	.6	.3	.6	.1	.1																								13	13			
50/ 49				.1		.7	.9	.4	.1																									16	16		3
48/ 47				.3	.6	.7	.6	.4																										18	18		3
46/ 45	.3	.7			.7	.9	1.5	.3																										30	30	11	3
44/ 43				.4	1.0	.9	.7	.3	.1																									24	24	12	
42/ 41		.7	.7	.7	.9	1.8	.7																											38	38	6	4
40/ 39		1.0	1.3	2.2	.9	1.5	.1	.1																										49	49	27	8
38/ 37	.4	1.3	3.2	1.8	1.6	.7	.1																											63	63	37	7
36/ 35	.4	2.7	1.6	2.2	.7	.1	.1																											54	54	51	15
34/ 33	.4	2.5	1.6	1.2	.4																													42	42	88	28
32/ 31	.9	5.3	3.8	1.8	.4																													83	83	73	33
30/ 29	1.6	1.3	.9	1.3																														35	35	97	52
28/ 27	.7	2.9	1.3	.4																														37	37	61	57
26/ 25	.4	2.8	1.6																															33	33	37	61
24/ 23	.3	1.6	1.0	.1																														21	21	45	42
22/ 21	1.6	1.9	.1																															25	25	35	49
20/ 19	.4	2.4	.3																															21	21	19	60
18/ 17	1.2	2.1																																22	22	32	46
16/ 15	.4	1.6	.1																															15	15	14	51
14/ 13	.1	.4																																4	4	9	44
12/ 11	.1	.3																																3	3	5	42
10/ 9	.6	.3																																6	6	7	32
8/ 7	.4																																	3	3	3	18
6/ 5																																					10
4/ 3																																					7
2/ 1																																					1
0/ -1	.1																																		1	1	1
-2/ -3	.1																																		1	1	1
Element (X)	Σ X <sup>2</sup>		Σ X		X	C <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature						Total																						
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																							
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
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**PSYCHROMETRIC SUMMARY**

23047 AMARILLO MAP TX  
STATION STATION NAME

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MONTH

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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	
-4/-5	.1																	1	1	1	1	
-6/-7																					2	
-8/-9																					2	
-10/-11																					3	
TOTAL	11.1	32.0	17.8	12.8	8.1	8.0	6.3	1.9	.9	.9	.1							678	678	678	678	

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3168535	43899	64.7	21.950	678							84
Dry Bulb	840331	22799	33.6	10.432	678	.4	38.5					84
Wet Bulb	619312	19790	29.2	7.845	678	.4	54.5					84
Dew Point	358441	14363	21.2	8.945	678	1.0	75.9					84

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

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FEB

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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	
62/ 61								.3										2	2			
60/ 59								.1		.3								3	3			
58/ 57									.1									1	1			
56/ 55								.3	.4									5	5			
54/ 53						.3												2	2			
52/ 51					.1	.6	.4	.3										10	10			
50/ 49						.3	1.0	.4	.1									13	13			
48/ 47				.1	.4	.1	.6	.1										10	10	2		
46/ 45	.1	.6	.1		.9	.4	1.0											22	22	2	1	
44/ 43	.1			.4	.9	.4	.7	.1										19	19	10	2	
42/ 41		.7	.4	.7	.3	1.3	.7											29	29	12	4	
40/ 39		.3	1.2	1.0	1.3	.7	.1											32	32	19	4	
38/ 37	.1	1.8	1.9	1.9	1.3	.9	.1											55	55	31	1	
36/ 35	.4	2.7	3.4	1.8	1.0	.1												64	64	54	11	
34/ 33	.4	2.5	3.1	2.4	.3	.1												60	60	51	28	
32/ 31	1.2	5.5	2.7	.7														68	68	83	36	
30/ 29	2.2	1.9	1.8	1.3	.4													52	52	101	35	
28/ 27	1.8	3.2	1.5	.1	.1													46	46	72	63	
26/ 25	.6	3.7	1.2															37	37	43	69	
24/ 23	.4	1.9	.7															21	21	46	49	
22/ 21	1.3	2.1	.7															28	28	38	58	
20/ 19	1.8	1.3	.6															25	25	26	54	
18/ 17	.1	3.4																24	24	19	62	
16/ 15	.4	3.1	.1															25	25	32	39	
14/ 13	1.0	.7																12	12	20	44	
12/ 11		.1																1	1	5	49	
10/ 9	.6																	4	4	4	24	
8/ 7	.7																	5	5	5	15	
6/ 5																					6	
4/ 3																					13	
2/ 1																					5	
-4/ -5	.3																	2	2	2		
-6/ -7		.1																1	1		2	
-8/ -9																				1	2	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      74-81      FEB  
 STATION      STATION NAME      YEARS      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
-10/-11																					1
-18/-19																					1
TOTAL	13.9	35.7	19.5	10.6	7.2	5.5	4.9	1.8	.7	.3									678	678	678
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	3419902	46076	68.0	20.648	678	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	84									
Dry Bulb	751381	21511	31.7	10.088	678	.4	43.5					84									
Wet Bulb	571689	18965	28.	7.801	678	.4	61.6					84									
Dew Point	345264	14156	20.9	8.568	678	.7	77.7					84									

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      74-81      FEB

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
60/ 59							.1											1	1		
59/ 57							.1		.1									2	2		
56/ 55								.1										1	1		
54/ 53					.4			.3										5	5		
52/ 51					.3	.1	.1	.1										5	5		
50/ 49					.3	.1	.3	.1										6	6		
48/ 47					.3	.6	.3	.1										9	9	4	
46/ 45	.3	.1		.1	1.0	.6	.6	.1										20	20	3	2
44/ 43	.1	.3	.1	.1	1.8	1.2	.3	.1										28	28	6	1
42/ 41			.6		.4	.4	.1											11	11	5	3
40/ 39		.6	.3	1.3	.9	1.0	.6											32	32	19	6
38/ 37		1.9	.4	1.0	.3	1.2												33	33	19	1
36/ 35	.6	2.4	2.5	.9	1.0	.3												52	52	43	7
34/ 33		2.5	3.1	1.8	.6													54	54	43	22
32/ 31	.9	5.2	4.4	1.9	.1	.1												86	86	62	34
30/ 29	1.8	5.6	2.7	.9	.7													79	79	87	19
28/ 27	2.4	3.8	.7	.3	.4													52	52	111	57
26/ 25	1.0	3.2	1.2															37	37	68	73
24/ 23	.7	.7	1.2															18	18	38	55
22/ 21	1.3	2.4	.9															31	31	32	84
20/ 19	2.4	3.2	.9															44	44	38	56
18/ 17	.9	1.2	.1															15	15	30	47
16/ 15	.3	1.9																15	15	23	29
14/ 13	2.4	.7																21	21	21	47
12/ 11	.4	.7																8	8	8	48
10/ 9	.3	.1																3	3	8	34
8/ 7	1.0																	7	7	7	14
6/ 5																					12
4/ 3																					10
2/ 1																					8
0/ -1		.3																2	2	1	1
-2/ -3		.1																1	1	1	1
-4/ -5																				1	1
-6/ -7																					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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 FEB  
 STATION STATION NAME YEARS MONTH  
 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	
-14/-15																						3
TOTAL	16.8	37.2	19.2	8.4	8.7	5.8	2.7	1.0	.3									678	678		678	
Element (X)	Σ X'		Σ X		X	°X	No. Obs.		Mean No. of Hours with Temperature								Total					
Rel. Hum.	3550827		47189		69.6	19.8	678		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	84							
Dry Bulb	682183		20497		30.2	9.6	678		.4	51.9					84							
Wet Bulb	529934		18228		26.9	7.6	678		.4	66.4					84							
Dew Point	327864		13698		20.2	8.6	678		1.1	78.8					84							

USAFETAC FORM JUN 71 U-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 FEB  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73												.1	.1					2	2		
72/ 71														.1				1	1		
68/ 67																		3	3		
66/ 65									.1			.1	.1					4	4		
64/ 63									.1	.1		.6						6	6		
62/ 61							.3	.1	.3	.6	.4							12	12		
60/ 59								.4	.7	.1	.1							10	10		
58/ 57						.1	.3	.7	.7	.4								16	16		
56/ 55					.1	.3	1.0	.7	.3	.6								21	21		
54/ 53					.1	.4	1.0	1.3	.4	.1								24	24		
52/ 51				.1	.3	.3	1.2	.6	.1									18	18	4	
50/ 49			.1		.4	.7	.6	.7	.4									21	21	3	
48/ 47		.1	.1	.4	1.2	2.1	1.3	.4										39	39	8	
46/ 45	.1	.4	.6	.9	1.0	.6	.9	.6										35	35	20	3
44/ 43		.1	.1	1.0	1.5	1.3	.4											31	31	35	2
42/ 41		.1	1.0	1.9	2.1	.7	.1											41	41	39	2
40/ 39	.3	.9	1.6	2.1	1.2	.6	.3											47	47	53	7
38/ 37		1.8	1.6	1.2	.7	.1												37	37	60	11
36/ 35	.6	.9	1.9	1.6	.4	.3												39	39	63	23
34/ 33		2.8	2.4	1.2	.1	.1												45	45	73	24
32/ 31	.9	2.5	2.4	.7	.3													46	46	61	58
30/ 29	1.0	2.2	.4	.3	.1													28	28	55	38
28/ 27	1.6	2.5	.6	.1														33	33	54	58
26/ 25	1.0	1.3	.9															22	22	32	96
24/ 23	.6	1.0	.3															13	13	21	46
22/ 21	.9	2.2	.3															23	23	25	61
20/ 19	.9	1.3																15	15	17	53
18/ 17	.4	1.0	.4															13	13	13	43
16/ 15		1.5																10	10	12	35
14/ 13	.9	.9																12	12	14	24
12/ 11	.7	.1																6	6	10	41
10/ 9		.6																4	4	3	16
8/ 7																				2	12
6/ 5	.1																	1	1		3
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23047

AMARILLO MAP TX

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

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		
4/ 3																				1	10		
2/ 1																					5		
0/ -1																					3		
-2/ -3																					2		
-6/ -7																					1		
-8/ -9																					1		
TOTAL	10.0	24.6	14.9	11.7	9.7	7.8	7.5	6.0	3.4	1.9	1.3	.7	.1	.1				678	678	678	678		
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.	2808948	40530	59.823	8.882	678	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	1093943	25849	38.112	6.56	678		28.0	.7	.2			84											
Wet Bulb	749518	21776	32.1	8.604	678		39.6					84											
Dew Point	399931	15403	22.7	8.594	678	.9	75.1					84											

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23547 AMARILLO MAP TX STATION STATION NAME

74-81 YEARS

FEB 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																
84/ 83																													.1	1	1					
82/ 81																													.1	1	1					
80/ 79																												.1	2	2						
78/ 77																									.3	.1	.4	.3	8	8						
76/ 75																								.3	.4			5	5							
74/ 73																							.1	.3	.3	.1	.6	10	10							
72/ 71																							.3	.3	.4	.4	.7	.1	16	16						
70/ 69																							.1	.1	1.2	.3	.1	13	13							
68/ 67																							.1	1.0	.6	.6	.1	17	17							
66/ 65																							.4	1.0	1.0	.6		21	21							
64/ 63																							.4	1.9	1.0	.3	.4	28	28							
62/ 61																							.1	.3	1.5	1.6	.6	.3	30	30						
60/ 59																							.1	.1	2.2	1.6	1.3	.1	.1	38	38					
58/ 57																							.1	.9	2.7	.9	.9	37	37							
56/ 55																							.1	1.2	1.6	.4	.6	.3	29	29						
54/ 53																							.1	2.1	.7	.9	.1	37	37	14						
52/ 51																							.4	.1	.3	1.2	1.3	.9	.1	.1	31	31	9			
50/ 49																							.3	.9	1.0	1.6	1.0	33	33	22						
48/ 47																							.4	.1	.4	1.3	1.2	1.0	.1	32	32	44	2			
46/ 45																							.1	1.2	1.2	1.5	.7	32	32	72	4					
44/ 43																							.1	.4	.4	1.5	.6	.1	22	22	74	3				
42/ 41																							.1	.4	1.2	.7	.6	.3	23	23	72	2				
40/ 39																							.1	.1	.4	.4	.1	19	19	57	7					
38/ 37																							.4	1.3	1.3	.3	.4	.3	28	28	50	10				
36/ 35																							.1	1.2	.3	.3		13	13	56	24					
34/ 33																							1.6	.6	.3	.3		19	19	33	32					
32/ 31																							.6	.9	1.2	.3	.6	24	24	30	52					
30/ 29																							.3	.6	.6	.3		12	12	20	56					
28/ 27																							.9	.3	1.0			15	15	22	64					
26/ 25																							.6	2.4	1.0			27	27	18	66					
24/ 23																							1.2	1.3	.4			20	20	37	38					
22/ 21																							.4	1.3				12	12	18	71					
20/ 19																							.6	.3				6	6	7	61					
18/ 17																							.3	1.0				9	9	8	39					
Element (X)	Σ X <sup>2</sup>		Σ X		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																																				

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      74-81      FEB  
STATION      STATION NAME      YEARS      MONTH

PAGE 2      1200-1400  
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
16/ 15		.6																4	4	10	27	
14/ 13		.1																1	1	1	35	
12/ 11																				1	37	
10/ 9		.1																1	1		12	
8/ 7		.3																2	2	3	12	
6/ 5																					4	
4/ 3																					4	
2/ 1																					7	
-2/ -3																					3	
-4/ -5																					4	
-5/ -9																					1	
-10/-11																					1	
TOTAL	4.9	13.6	10.0	6.2	8.4	8.1	9.6	9.6	6.6	8.0	4.7	4.1	2.8	1.5	1.2	.6	.1		678	678	678	
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.	1810062	30620	45.225	120	678	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	1720995	32541	48.001	5.333	678		16.5	9.0	3.3	.4		64										
Wet Bulb	1009869	25439	37.5	9.045	678		21.7					84										
Dew Point	412309	15603	23.0	8.867	678	1.1	73.6					84										

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX  
STATION STATION NAME

74-81  
YEARS

FEB  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
86/ 85																		.3	2	2															
84/ 83																		.1	1	1															
82/ 81														.1					1	1															
80/ 79														.3		1.0	.1	10	10																
78/ 77													.4	.1	.3	.1		7	7																
76/ 75											.3	.1	.9	.4	.4			15	15																
74/ 73											.3	.3	.7	.1	.9			16	16																
72/ 71										.1		.1	.1	.4				6	6																
70/ 69										.1	.3	2.7	.3	.4				26	26																
68/ 67										.6	.4	2.2	1.2	.6				34	34																
66/ 65							.3	.1	.3	.9	1.6	.6						26	26																
64/ 63						.1	.1	.7	1.5	2.1								30	30																
62/ 61					.1	.1	.6	1.6	1.9	1.5	.4							43	43																
60/ 59					.1	.1	1.0	1.3	.9	.6								28	28																
58/ 57					.1	1.2	1.8	.7	1.3	.3								37	37																
56/ 55			.1	.1	.3	1.0	1.3	1.5	.1	.3								33	33	5															
54/ 53			.1	.3	.9	1.9	1.8	1.0		.1								42	42	14															
52/ 51		.3	.3	1.0	2.1	.6	.1											32	32	16															
50/ 49		.3	.3	1.2	1.6	.1	.1											25	25	26															
48/ 47	.6			1.5	.4	.6	.6											25	25	67															
46/ 45			.1	1.0	.9	1.0												21	21	84															
44/ 43			.4	.7	.3	1.3												19	19	74															
42/ 41	.1	.3	.9	.4	.1	.4												16	16	55															
40/ 39	.1	1.0	.9	1.2	.6	.6	.1											31	31	70															
38/ 37	.6	.1	.6															9	9	44	1														
36/ 35	1.5		.4															13	13	37	1														
34/ 33	.9	.7	.1															12	12	38	1														
32/ 31	.1	.9	1.6	1.0	.4													28	28	18	5														
30/ 29	.1	.7	1.2	.4														17	17	15	4														
28/ 27	.3	.3	.9															10	10	27	5														
26/ 25	1.3	2.5	.3															28	28	35	5														
24/ 23	.4	.1																4	4	18	5														
22/ 21	.1	1.6	.3															14	14	13	5														
20/ 19	1.0																	7	7	5	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																																			

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 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														
18/ 17	.1	.7																6	6	9	46														
16/ 15		.1																1	1	5	33														
14/ 13																					25														
12/ 11																					42														
10/ 9																					14														
8/ 7		.3																2	2		9														
6/ 5																				2	5														
4/ 3		.1																1	1	1	8														
2/ 1																					8														
0/ -1																					3														
-2/ -3																					2														
-4/ -5																					8														
-6/ -7																					1														
-8/ -9																					1														
TOTAL	2.4	13.6	6.3	6.5	6.2	6.2	11.8	8.0	7.5	7.5	7.8	6.5	3.7	2.7	1.6	1.2	.6	678	678	678	678														
																						678		678		678									
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																							
Rel. Hum.	1526290	27278		40.225	16.7	678	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 8 F$	$\leq 93 F$	Total																						
Dry Bulb	1938017	34631		51.1	15.806	678		14.6	14.6	6.4	.9		84																						
Wet Bulb	1080063	26367		38.9	8.986	678		18.3					84																						
Dew Point	390493	14989		22.1	9.345	678	1.9	75.3					84																						

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMAPILLO MAP TX

74-81

FEB

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														
90/ 79																.1		1	1																
73/ 77													.1					1	1																
76/ 75													.1		.4			4	4																
74/ 73												.1		.1				3	3																
72/ 71										.1			.1		.3			4	4																
70/ 69									.1		.3	.3	.3					7	7																
68/ 67									.3	.1		.6	.1					8	8																
66/ 65								.1		.3	.7		.1					9	9																
64/ 63								.4	.4	.4	1.3	.1	.4					22	22																
62/ 61								.4	.4	1.5	.4							19	19																
60/ 59							.3	.7	.6	1.3	.4	.3						25	25																
58/ 57							.4	.6	.1	1.6	.3	.1						22	22																
56/ 55						.3	.6	.9	1.8	1.0	.1							32	32																
54/ 53					.3	.9	1.0	.6	1.0	.3								28	28	3															
52/ 51					.6	.3	1.5	1.2	1.0	.1								32	32	6															
50/ 49			.7	.1	1.5	1.0	1.5	1.2	.3	.3								45	45	12															
48/ 47		.3	.3	.7	.6	1.5	2.1	.7										42	42	18															
46/ 45	.1	.3	.1	.9	1.0	1.2	.6	.3										31	31	44	1														
44/ 43	.1		.1	1.8	1.8	.7	1.0											38	38	48	7														
42/ 41		.3	.3	.7	1.0	1.9	.1											30	30	53	4														
40/ 39	.1	.6	1.3	1.8	.9	.7	.1											38	38	65	8														
38/ 37		.7	1.2	1.0	1.0	.4												30	30	76	12														
36/ 35		1.2	1.0	.9	.3	.6												27	27	63	15														
34/ 33	.1	1.8	1.2	.7	.3	.1												29	29	55	31														
32/ 31		2.4	1.0	.6	.7													32	32	47	52														
30/ 29	.6	.3	.9	.4														15	15	42	37														
28/ 27		1.3	.9	.3														17	17	23	45														
26/ 25	.6	2.1	.3															20	20	32	56														
24/ 23	.3	1.3	.3															13	13	28	40														
22/ 21	.4	2.4																19	19	20	51														
20/ 19	.7	1.5																15	15	16	86														
18/ 17	.4	.6																7	7	10	41														
16/ 15		.6																4	4	6	42														
14/ 13	.6																	4	4	6	47														
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 FEB  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 1800-2000  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
12/ 11	.3																	2	2	2	26														
10/ 9																					30														
8/ 7																					14														
6/ 5																					12														
4/ 3		.3																2	2	2	5														
2/ 1	.1																	1	1	1	3														
0/ -1																					4														
-2/ -3																					2														
-4/ -5																					1														
-3/ -9																					4														
-10/-11																					1														
-14/-15																					1														
TOTAL	4.7	17.8	9.7	10.0	10.0	9.7	9.3	7.2	6.2	7.2	3.7	1.6	1.6	.4	.4	.1		678	678	678	678														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	2062904	33250	49.0	25.269	678							
Dry Bulb	1425655	29637	43.7	13.865	678		18.7	3.5	1.1			84
Wet Bulb	876595	23673	34.9	8.597	678		29.1					84
Dew Point	376789	14677	21.6	9.341	678	1.6	74.3					84

USAFETAC FORM 0-76-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX  
 STATION STATION NAME

74-81  
 YEARS

FEB  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
66/ 65										.1	.3	.1						4	4																		
64/ 63							.1	.3	.3									5	5																		
62/ 61							.1	.1										2	2																		
60/ 59								.4			.1							4	4																		
58/ 57					.3	.1	.1				.1							5	5																		
56/ 55						.3	.3	.3	.4	.3								11	11																		
54/ 53					.1	.4		.7	.6	.4								16	16																		
52/ 51					.1	.3	.1	1.2	.3	.1								15	15																		
50/ 49						.1	1.3	.9	.6	.6								24	24	6																	
48/ 47			.3		.9	1.3	1.5	1.6	.4									41	41	6																	
46/ 45		1.0	.3	.4	.7	1.9	1.3	.3	.4									44	44	10	1																
44/ 43		.1	.7	1.5	1.0	1.6	1.0											41	41	15	5																
42/ 41		.4	1.3	1.9	1.2	1.5	.7											48	48	12	7																
40/ 39	.4	1.0	1.6	2.2	1.5	.3	.3											50	50	47	6																
38/ 37	.4	1.6	1.2	1.2	2.4	.1												47	47	67	12																
36/ 35		2.1	2.1	2.7	.3													48	48	78	17																
34/ 33		1.8	1.8	1.2	.6		.1											37	37	80	20																
32/ 31	.4	3.8	2.8	1.9	1.0													68	68	71	52																
30/ 29	.9	1.5	.3	.4	.1													22	22	75	40																
28/ 27		2.1	1.2	.9														28	28	41	47																
26/ 25	.4	1.6	.9	.4														23	23	36	54																
24/ 23	.6	1.9	.1	.1														19	19	36	40																
22/ 21	.9	1.9	.1															20	20	28	54																
20/ 19	.6	1.5																14	14	19	72																
18/ 17	.7	1.0																12	12	16	48																
16/ 15	.4	1.3																12	12	11	50																
14/ 13	.7	.1																6	6	10	36																
12/ 11	.7	.3																7	7	7	38																
10/ 9	.3																	2	2	3	30																
8/ 7																					16																
6/ 5																					11																
4/ 3																					9																
2/ 1	.1	.3																3	3	1	4																
0/ -1																					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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347      AMARILLO MAP TX      74-81      FEB

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																
86/ 85																	.0	2	2																		
84/ 83																	.0	2	2																		
82/ 81																.0	.0	2	2																		
80/ 79																.1	.2	.0	13	13																	
78/ 77														.1	.0	.1	.1		16	16																	
76/ 75										.0	.1	.2	.1	.1				24	24																		
74/ 73										.1	.0	.1	.2	.1	.2			31	31																		
72/ 71									.1	.0	.1	.1	.2	.0				27	27																		
70/ 69								.0	.0	.1	.5	.1	.1					46	46																		
68/ 67								.1	.1	.2	.4	.2	.1					62	62																		
66/ 65							.0	.0	.1	.1	.4	.5	.2	.0				69	69																		
64/ 63						.0	.0	.1	.3	.5	.6	.1						91	91																		
62/ 61					.0	.0	.1	.3	.5	.7	.4	.1						110	110																		
60/ 59					.0	.1	.4	.6	.5	.5	.2	.1						110	110																		
58/ 57					.0	.1	.4	.7	.4	.5	.1	.0						121	121																		
56/ 55				.0	.1	.2	.6	.6	.6	.4	.1							139	139	5																	
54/ 53			.0	.0	.2	.5	.8	.7	.5	.1	.0							158	158	31																	
52/ 51			.1	.1	.3	.5	.9	.6	.2	.1								156	156	36																	
50/ 49			.1	.1	.4	.8	1.1	.6	.2	.0								183	183	72																	
48/ 47		.2	.1	.3	.8	1.0	1.0	.5	.1									216	216	152	2																
46/ 45	.1	.4	.2	.5	1.0	1.0	1.0	.2	.1									235	235	246	21																
44/ 43	.1	.1	.2	.8	1.3	.9	.7	.1	.0									222	222	274	29																
42/ 41		.3	.6	1.0	.9	1.1	.4											236	236	254	27																
40/ 39	.1	.7	1.1	1.6	1.0	.7	.2	.0										298	298	357	52																
38/ 37	.2	1.4	1.4	1.1	1.0	.5	.0											302	302	384	67																
36/ 35	.3	1.7	1.7	1.3	.5	.2	.0											310	310	445	128																
34/ 33	.1	2.0	1.7	1.2	.4	.1	.0											298	298	461	204																
32/ 31	.6	3.3	2.5	1.1	.5	.0												435	435	445	372																
30/ 29	1.1	1.8	1.1	.7	.2													260	260	492	324																
28/ 27	1.0	2.1	1.0	.3	.1													238	238	411	441																
26/ 25	.8	2.5	.9	.1														227	227	301	530																
24/ 23	.5	1.3	.5	.0														129	129	269	361																
22/ 21	.9	2.0	.3															172	172	209	481																
20/ 19	.8	1.6	.3															147	147	147	534																
Element (X)	Σ X <sup>2</sup>		Σ X		X̄	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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 FEB  
 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
18/ 17	.5	1.4	.1															108	108	137	372
16/ 15	.2	1.3	.0															86	86	113	305
14/ 13	.7	.4																60	60	91	302
12/ 11	.3	.2																27	27	38	323
10/ 9	.2	.1																20	20	25	192
8/ 7	.3	.1																19	19	20	110
6/ 5		.0																1	1	2	70
4/ 3		.1																3	3	4	59
2/ 1	.0	.0																4	4	2	41
0/ -1	.0	.0																3	3	4	12
-2/ -3	.0	.0																2	2	2	10
-4/ -5	.1																	3	3	4	15
-6/ -7		.0																1	1		11
-8/ -9																				1	13
-10/-11																					10
-14/-15																					4
-18/-19																					1
TOTAL	8.9	25.0	14.0	10.1	8.6	7.5	7.4	5.1	3.6	3.4	2.3	1.6	1.0	.6	.4	.2	.1	5424	5424	5424	5424
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.					Mean No. of Hours with Temperature						Total					
Rel. Hum.	21075693	308873	56.9	25.357	5424					≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	672					
Dry Bulb	9452905	212403	39.2	14.468	5424					1.1	241.0	27.9	11.2	1.2		672					
Wet Bulb	6133943	175307	32.3	9.289	5424					1.4	335.4					672					
Dew Point	2979046	117368	21.6	9.001	5424					9.4	606.3					672					

USAFETAC FORM 0-26-3 (UL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23 247      AMARILLO MAP TX      74-81      MAR  
 STATION      STATION NAME      YEARS      MONTH  
 PAGE 1      0000-0200  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63			.1				.1	.4	.4									8	8		
62/ 61			.3			.3	.1	.3	.5									11	11		
60/ 59		.4		.1		.1	.1	.1	.3									10	10	2	
58/ 57		.1	.5			.1	.1	.3	.1									9	9	4	4
56/ 55		.3	.3		.8	.1	.1	.5	.3	.1								19	19	1	2
54/ 53		.3	.5	.8	.1	.1	.3	.4	.4									22	22	8	3
52/ 51			.1	.7	.1	.5	1.2	1.3	.4									33	33	8	1
50/ 49		.5	.8	.3	.3	.8	1.5	1.6	.1									44	44	4	9
48/ 47		.5	.5	.7	1.3	.9	2.0	.5										49	49	23	4
46/ 45		1.9	.5	1.6	2.0	1.5	1.2	.1										66	66	28	5
44/ 43		1.5	1.5	1.2	2.2	.7	.7	.1										58	58	32	19
42/ 41		1.2	3.0	1.3	.3	.9	.5											54	54	42	31
40/ 39	.1	1.9	2.7	2.0	1.2	.8	.3											67	67	70	13
38/ 37	.3	2.2	2.0	1.2	1.7	1.2												64	64	103	23
36/ 35		1.2	1.3	1.2	.7	.4												36	36	93	38
34/ 33	.1	1.7	.8	1.6	.7													37	37	57	35
32/ 31		3.2	2.0	1.5	.1													51	51	47	61
30/ 29	.4	2.2	1.3	.4		.1												33	33	73	43
28/ 27	.1	2.2	.9	.5	.3													30	30	54	67
26/ 25		.7	1.1	.1														14	14	38	54
24/ 23		.9																7	7	15	45
22/ 21	.1	.7	.1															7	7	23	39
20/ 19		.7																5	5	5	52
18/ 17		.1																1	1	4	47
16/ 15																				1	32
14/ 13																					49
12/ 11		.5																4	4		22
10/ 9	.3	.3																4	4	7	11
8/ 7		.1																1	1	2	20
6/ 5																					5
4/ 3																					4
2/ 1																					3
-2/ -3																					1
-4/ -5																					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 71 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
 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	
TOTAL	1.5	25.3	20.6	15.3	11.8	8.6	8.2	5.2	2.2	1.3								744	744	744	744	

Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X̄	σ <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.	3002786	44398	59.7	21.808	744							
Dry Bulb	1308071	30337	40.8	9.780	744		19.6					93
Wet Bulb	954626	25992	34.9	7.918	744		33.6					93
Dew Point	582818	19262	25.9	10.641	744	.4	69.6					93

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

YEARS

MAR  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb
64/ 67											.1	.1					2	2		
56/ 65											.1						1	1		
64/ 63									.1	.1	.3						4	4		
62/ 61								.1	.1								2	2		
60/ 59		.4	.1		.3			.1									7	7		
58/ 57			.3	.1													3	3	3	1
56/ 55		.1	.1	.3	.1	.1	.1	.4									10	10	3	2
54/ 53		.9	.7	.3	.1		.3	.3									19	19	2	2
52/ 51	.1	.7	.4	.1	.1	.1	.8	.1									19	19	12	7
50/ 49		.1	.9	.3		.1	.8	.8									23	23	14	7
48/ 47		.7	.7	.7	.3	.7	1.2	.4									34	34	16	4
46/ 45		2.0	.3	1.1	1.3	1.9	.7	.1									55	55	18	12
44/ 43		2.2	.5	1.2	1.9	1.2	.8	.1									59	59	27	24
42/ 41		1.5	1.6	2.0	1.1	.7	.1										52	52	29	13
40/ 39	.1	1.3	3.9	2.4	1.2	.9											74	74	38	21
38/ 37	.3	3.6	2.0	.9	1.5	.3											64	64	80	17
36/ 35		2.2	2.0	.8	2.0	.4											55	55	100	36
34/ 33		2.0	1.7	1.2	1.1												45	45	68	23
32/ 31	.4	3.9	2.6	1.9	.3												67	67	53	64
30/ 29	.8	2.4	1.3	.7													39	39	81	45
28/ 27	.1	2.7	.7	.5	.1												31	31	70	67
26/ 25		2.8	1.5	.4	.1												36	36	45	57
24/ 23	.1	.8															7	7	33	56
22/ 21		.5	.7	.1													10	10	17	56
20/ 19	.1	.8	.1														8	8	11	41
18/ 17	.1	.9															8	8	9	37
16/ 15		.1															1	1	6	48
14/ 13																				41
12/ 11																				13
10/ 9	.4	.5															7	7	3	21
8/ 7		.3															2	2	6	15
6/ 5																				2
4/ 3																				3
2/ 1																				6
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ <sub>R</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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0600-0800  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
64/ 63																																		1	1			
62/ 61										.3																								2	2			
60/ 59		.3								.1	.1																							4	4			
58/ 57		.1			.1																													2	2		2	
56/ 55		.4			.1	.1			.1	.1																								8	8		1 3	
54/ 53		.1	.3			.3	.1		.1																									8	8		4 2	
52/ 51		1.2	.4		.5	.3	.4		.4	.3																								27	27		4 4	
50/ 49		.8	.7		.5	.3	.5	.8	.5																									31	31		10 3	
48/ 47		.7	.7		.3	.3	.5	.7	.3																									25	25		14 8	
46/ 45		.9	.4		.4	.9	1.2	1.2	.1																									39	39		21 14	
44/ 43		1.6	1.1		1.5	1.9	.1	.4																										49	49		21 10	
42/ 41		1.5	1.5		1.7	.8	1.2	.1																										51	51		28 14	
40/ 39	.1	2.0	3.1		2.7	1.5	.8	.1																										77	77		33 17	
38/ 37	.4	2.7	2.8		.7	1.5	.5																											64	64		70 20	
36/ 35	.3	2.0	2.3		.8	1.5																												51	51		94 39	
34/ 33		4.6	2.4		1.2	.9	.1																											69	69		76 24	
32/ 31	.1	4.8	2.3		1.9	.5	.1																											73	73		67 57	
30/ 29	1.1	3.0	.9		.8																													43	43		90 64	
28/ 27	.5	2.3	1.3		.3																													33	33		58 77	
26/ 25	.1	3.0	1.3			.3																												35	35		51 68	
24/ 23	.3	1.3	.3																															14	14		45 34	
22/ 21		.8	.4																															9	9		16 48	
20/ 19	.1	.5	.4																															8	8		11 45	
18/ 17	.1	.7																																6	6		6 44	
16/ 15		.4																																3	3		9 42	
14/ 13	.1	.3																																3	3		2 40	
12/ 11	.1	.1																																2	2		3 26	
10/ 9	.3	.3																																4	4		4 22	
8/ 7		.1																																1	1		1 4	
6/ 5		.1																																1	1		2 4	
4/ 3	.1																																	1	1		1 2	
2/ 1																																						5
0/ -1																																						3
-2/ -3																																						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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX  
 STATION STATION NAME

74-81  
 YEARS

MAR  
 MONTH

PAGE 1 C900-1100  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
80/ 79													.1																	1	1			
78/ 77															.1															1	1			
76/ 75															.1															1	1			
74/ 73								.3				.1	.5	.1	.3														10	10				
72/ 71										.1	.1	.3	.3	.1															10	10				
70/ 69										.1	.1	.3	.3	.1															7	7				
68/ 67							.1		.3	.5	.3	.3	.1																12	12				
66/ 65			.1			.3		.4	.7	.4	.1																		15	15				
64/ 63					.3	.1	.1	.4	.5	.5																			15	15				
62/ 61		.1	.1	.1		.3	.3	.4	1.2	.9	.4																		29	29	1			
60/ 59		.1	.1		.1	.9	1.5	.5	.8	.1																			32	32	3	1		
58/ 57		.1		.1	.1	.9	.5	1.5	.5																				30	30	4	2		
56/ 55		.3	.3	.1	.3	.5	.8	.9	1.3	.3	.1																		37	37	6	2		
54/ 53		.1	.4	.1	.5	1.9	1.7	.4	.7	.1																			45	45	9	2		
52/ 51		.7	.3	.3	.7	1.2	1.3	.9	.3																				43	43	23	2		
50/ 49	.1	.3	.7	.1	1.1	1.6	.9	1.2	.3	.1																			47	47	25	6		
48/ 47		.7	.9	.8	2.0	1.1	.7	.5																					50	50	47	13		
46/ 45		.7	.5	.8	1.1	1.5	.9	.3																					43	43	55	7		
44/ 43		.9	1.5	2.7	1.3	.8	.8																						60	60	69	16		
42/ 41	.1	.9	.9	1.6	.9	.9																							41	41	70	12		
40/ 39	.3	1.6	1.3	1.7	.4	.7	.1																						46	46	82	15		
38/ 37		1.5	1.6	.7	.5	.1																							33	33	74	33		
36/ 35	.1	1.3	1.2	.5	.4																								27	27	71	38		
34/ 33		1.6	.7	.9	.1	.1																							26	26	54	57		
32/ 31	.1	1.3	.7	.8	.3																								24	24	43	84		
30/ 29	.4	1.2	.3	.1																									15	15	29	71		
28/ 27	.1	1.5	.3	.3																									16	16	29	59		
26/ 25		.3	.3																										4	4	17	48		
24/ 23		.3																											2	2	6	37		
22/ 21	.1	.3	.1																										4	4	6	40		
20/ 19		.8																											6	6	6	55		
18/ 17		.4	.1																										4	4	4	31		
16/ 15		.3																											2	2	4	33		
14/ 13	.3	.1																											3	3	3	25		
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

YEARS

MAP

PAGE 2 0900-1100  
 MONTH HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
12/ 11		.1																	1	1	1	24													
10/ 9		.1																	1	1	2	11													
8/ 7		.1																	1	1		7													
6/ 5																					1	5													
4/ 3																						3													
2/ 1																						2													
0/ -1																						1													
-8/ -9																						2													
TOTAL	1.7	17.9	12.2	12.2	9.9	11.4	9.8	6.9	7.3	4.8	2.8	1.7	.7	.5					744	744	744	744													
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	2404475	38529	51.8	23.468	744	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93																							
Dry Bulb	1758563	35025	47.1	12.151	744		10.4	5.3	1.6	.1		93																							
Wet Bulb	1159557	28731	38.6	8.208	744		18.9					93																							
Dew Point	625806	20246	27.2	10.038	744	.4	67.3					93																							

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1200-1400  
 HOURS IN S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85															.1			1	1		
84/ 83															.1	.3		3	3		
82/ 81													.1	.4	.4	.1	.1	9	9		
80/ 79													1.1	.7	.4	.4		14	14		
78/ 77										.1	.4	.3	.7	.5	.3			17	17		
76/ 75									.3		.5	1.6	.4	.5				25	25		
74/ 73							.1	.1		.1	.7	1.6	.8					26	26		
72/ 71								.3	.1	.8	1.2	.9	.3					27	27		
70/ 69					.3			.1	.4	1.1	1.1	.3	.1					25	25		
68/ 67						.1		.1	.3	.7	1.3	1.2	.4					31	31		
66/ 65				.1		.1		.1	.8	1.6	1.1	.4						32	32		
64/ 63		.1		.1				.3	1.1	1.7	1.3		.1					36	36		
62/ 61							.3	1.2	2.3	1.3	.3	.4						43	43	3	
60/ 59	.1				.1		.5	2.2	1.2	.7	.3	.3						40	40	6	2
58/ 57			.5	.3		.5	1.1	.7	1.3	.7	.3							40	40	7	
56/ 55		.1	.4	.4	.1	.8	.9	.5	.7	.9	.1							38	38	16	4
54/ 53		.3		.1	.4	.7	1.2	.8	.9	.7								38	38	34	1
52/ 51		.4	.3	.9	1.2	1.3	1.3	.7	.7									51	51	46	4
50/ 49		.5	.4	.5	.7	1.2	.8	1.1	.1									40	40	67	6
48/ 47		.3	.5	.9	.7	.5	.7	.5										31	31	80	7
46/ 45		.8	.3	.4	.8	1.1	.5	.3										31	31	98	8
44/ 43		.5	.4	.3	.7	.4	.4											20	20	70	12
42/ 41	.4	.5	.5	.4	.4	.4	.4											23	23	61	16
40/ 39		.5	.8	.7	.8	.4												24	24	56	18
38/ 37		.7	.9	.3	.3	.3												18	18	48	29
36/ 35	.1	.7	.1	.5	.5													15	15	47	44
34/ 33		.7	.3	.4														10	10	31	42
32/ 31	.4	.5	.4															10	10	25	82
30/ 29		.3		.1														3	3	15	51
28/ 27	.1	.4																4	4	11	73
26/ 25		.5																4	4	4	50
24/ 23		.3	.1															3	3	4	47
22/ 21		.5																4	4	3	45
20/ 19		.3																2	2	5	43
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

23047 AMARILLO MAP TX STATION STATION NAME

74-81 YEARS

MAR MONTH

PAGE 2 1200-1400 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
18/ 17		.3	.1															3	3	1	25																
16/ 15		.1	.1															2	2	4	27																
14/ 13		.1																1	1	1	21																
12/ 11																				1	36																
10/ 9																					23																
8/ 7																					8																
6/ 5																					2																
4/ 3																					3																
2/ 1																					3																
0/ -1																					3																
-2/ -3																					2																
-4/ -5																					1																
-6/ -7																					3																
-10/-11																					1																
<b>TOTAL</b>	1.2	9.5	6.3	6.6	7.0	7.9	8.2	8.6	9.9	9.1	6.9	6.2	5.6	3.9	2.0	.8	.1	744	744	744	744																
																						744		744		744											
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.	1557665	29063	39.123.843		744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb	2466345	41607	55.913.704		744		4.5	22.3	11.9	2.6		93																									
Wet Bulb	1414373	31889	42.98.001		744		9.3					93																									
Dew Point	609330	19754	26.610.686		744	1.3	68.6					93																									

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

MAR

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														
86/ 85															.5		.1	5	5																
84/ 83															.4			3	3																
82/ 81													.3	1.2	.4	.1	.8	21	21																
80/ 79													.1	1.5	.4	.7		20	20																
78/ 77												.7	.4	1.2	.9	.4		27	27																
76/ 75								.1		.1	.3	1.5	.4	.4			21	21																	
74/ 73						.1	.1			.1	.9	1.6	.5	.1			27	27																	
72/ 71					.1		.3		.1		.5	1.5	1.6	1.3	.3		43	43																	
70/ 69					.1			.3	.1	.1	1.7						18	18																	
68/ 67								.1	.4	1.1	2.3	1.9		.1			44	44																	
66/ 65								.1	.9	1.7	1.5	.5	.4				39	39	1																
64/ 63								.1	1.6	1.3	1.1	.5	.3				37	37	1																
62/ 61							.4		.4	.8	.7	2.0	.7				37	37	3	1															
60/ 59					.1		.9	1.2	.7	1.2	.3	.1					34	34	2																
58/ 57			.1	.1	.3	.9	1.1	1.3	1.9	.5	.7						52	52	10	1															
56/ 55		.1		.1	.5	.8	.8	1.5	.8	.5	.4						42	42	24	1															
54/ 53		.5	.1	.8	.9	.5	1.3	.4	1.2	.4	.1						48	48	32	2															
52/ 51		.3	.5	.7	.5	.7	.8	.4	.8								35	35	47	7															
50/ 49		.4	.3	.1	.4	1.6	.8	.7	.9								39	39	78																
48/ 47		.3	.4	.3	.3	1.1	.9	.5									28	28	113	5															
46/ 45		.4	.1	.5	.4	1.1	.1										20	20	85	9															
44/ 43	.1	.7	.4	.5	.3		.1										16	16	56	11															
42/ 41		.5	.1	.9	.1	.5	.1										18	18	77	15															
40/ 39		.7	.5	.3	.3	.4											16	16	51	25															
38/ 37		.3	.5	.8		.1											13	13	46	31															
36/ 35		.9	.1														8	8	54	27															
34/ 33		.3	.3														4	4	14	37															
32/ 31		.4	.9														10	10	17	65															
30/ 29		.1	.1														2	2	6	60															
28/ 27			.5														4	4	9	60															
26/ 25		.8															6	6	2	53															
24/ 23		.1															1	1	9	46															
22/ 21																			1	56															
20/ 19			.4														3	3		45															
Element (X)	Σ X <sup>2</sup>		Σ X		X	X <sup>2</sup>	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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

MAR

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
16/ 17		.4																3	3		28
16/ 15																				6	30
14/ 13																					40
12/ 11																					18
10/ 9																					20
8/ 7																					15
6/ 5																					5
4/ 3																					8
2/ 1																					9
0/ -1																					1
-2/ -3																					4
-4/ -5																					3
-6/ -9																					3
-10/-11																					3
TOTAL	.1	7.3	5.6	5.2	4.4	7.9	7.9	6.9	10.6	7.7	9.3	8.9	6.2	6.3	3.5	1.2	.9		744	744	744
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	$s$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	1261035	25427	34.2	22.971	744	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93									
Dry Bulb	2708022	43756	58.8	13.462	744		3.6	28.6	15.5	5.0		93									
Wet Bulb	1476159	32675	43.9	7.441	744		6.3					93									
Dew Point	562871	18717	25.2	1.128	744	1.8	71.5					93									

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
 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	
86/ 85															.1		.1	2	2			
80/ 79										.1				.5		.4	.1	9	9			
78/ 77													.3	.3	.1	.1		6	6			
76/ 75										.3	.4	.5		.5			13	13				
74/ 73										.3	.3	.9	1.1				17	17				
72/ 71						.1	.1	.1		.3	.1	.4	.5	.4			16	16				
70/ 69							.1	.1	.1	.5	.7	.3	.4				17	17				
68/ 67					.1	.3	.1	.3	.9	.9	1.3	.1	.3				33	33				
66/ 65			.1			.1	.1	.1	.4	.9	1.5	.1	.1				27	27				
64/ 63				.1		.1	.1	.8	.8	1.6	.4						30	30	1			
62/ 61				.1		.3	.3	.4	.1	1.7	1.1	.3					32	32	1			
60/ 59						.5	1.2	1.3	1.2	.9							39	39	5	1		
58/ 57				.3	.1	.5	.8	.7	1.7	1.2	.1						41	41	5	1		
56/ 55			.1	.1	.4	.7	1.1	.9	1.6	.8							43	43	5			
54/ 53		.4	.1	.7	.5	.4	1.7	1.1	.9	.3							46	46	18	3		
52/ 51			.5	.5	.8	1.5	1.3	1.6	.5	.4							54	54	31	6		
50/ 49		.3	.4	.9	.8	1.1	1.2	.9	.8								48	48	36	4		
48/ 47		.1	1.1	.5	.5	.7	1.1	1.7	.3								45	45	66	3		
46/ 45		1.3	.5	.5	.9	.8	.8	.3									39	39	75	7		
44/ 43		1.2	.3	.8	.5	.7	1.1	.4									37	37	92	16		
42/ 41		.4	.4	1.3	.9	.4	.3	.1									29	29	80	19		
40/ 39	.3	.9	1.1	1.1	.4	.5	.1										33	33	73	28		
38/ 37		.9	.7	.4	.4	.1											19	19	61	30		
36/ 35		1.2	.8	.4	.4												21	21	63	25		
34/ 33		.8	.7	.1	.1												13	13	44	29		
32/ 31		.7	.4	.1	.1												10	10	33	69		
30/ 29		.1	.8	.1													8	8	19	46		
28/ 27		.1	.3														3	3	10	56		
26/ 25		.9															7	7	12	64		
24/ 23		.1															1	1	7	32		
22/ 21																			1	47		
20/ 19			.1														1	1		69		
18/ 17																				33		
16/ 15		.4	.1														4	4	2	36		
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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point	
14/ 13																					2	26	
12/ 11		.1																	1	1	1	26	
10/ 9																					1	21	
8/ 7																						13	
6/ 5																						6	
4/ 3																						12	
2/ 1																						7	
0/ -1																						1	
-2/ -3																						2	
-4/ -5																						1	
-6/ -7																						2	
-8/ -9																						1	
-10/-11																						1	
-14/-15																						1	
TOTAL	.3	10.2	8.6	8.3	7.3	8.3	10.8	9.9	9.0	8.7	7.5	4.6	3.0	1.9	.8	.5	.3	744	744	744	744		
																		744		744		744	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.	1651280	30320	40.8	23.652	744	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total											
Dry Bulb	2193198	39324	52.9	12.427	744		4.4	14.1	5.9	.8		93											
Wet Bulb	1291875	30499	41.0	7.484	744		11.0					93											
Dew Point	562153	18717	25.2	1.084	744	1.1	71.5					93											

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
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														
76/ 75													.1					1	1																
74/ 73												.1						1	1																
72/ 71										.1								1	1																
70/ 69									.1	.1	.1						3	3																	
68/ 67									.1	.1	.1						1	1																	
66/ 65			.1			.1		.1	.1	.1							6	6																	
64/ 63			.3			.4	.1	.1	.1	.7	.1	.1					14	14																	
62/ 61				.4	.1	.1	.4	.1	.3	.8	.4						20	20	1																
60/ 59		.1	.3	.1	.1	.1	1.1	1.2	.5	.1							28	28	2																
58/ 57		.1			.3	.4	.4	.3	.9	.9	.1						26	26	3	3															
56/ 55		.1	.4		.4	.4	.1	.8	1.1	.1							26	26	5	1															
54/ 53		.3	.1	.3	.3	.4	.5	1.7	1.2	.3							38	38	6	5															
52/ 51		.4	.4	.4	.5	1.3	.9	2.6	.4	.1							53	53	15	4															
50/ 49		.1	.3	.7	1.7	1.2	1.9	.9	.1								52	52	12	6															
48/ 47		.4	.7	.9	1.3	.9	1.6	.7	.1								50	50	28	5															
46/ 45		1.1	1.7	1.9	1.6	1.3	.8	.8									69	69	26	4															
44/ 43		1.5	1.1	1.2	1.5	.3	.5	.3									47	47	59	11															
42/ 41		1.9	1.5	1.1	1.2	1.6	.7	.1									60	60	78	25															
40/ 39	.3	1.1	1.2	1.9	.5	1.3	.5										51	51	96	21															
38/ 37	.1	.9	1.9	1.1	1.1	1.2	.3										49	49	87	39															
36/ 35		1.6	1.2	.8	1.1	.4											38	38	74	31															
34/ 33		1.2	1.5	.9	.3	.1											30	30	51	34															
32/ 31		1.6	.8	.5	.1												23	23	52	59															
30/ 29	.1	2.0	.8	.5													26	26	56	47															
28/ 27		.4	.5	.1													8	8	47	60															
26/ 25		.9	.1														8	8	14	55															
24/ 23		.8															6	6	16	39															
22/ 21		.4															3	3	8	33															
20/ 19																			2	68															
18/ 17																				36															
16/ 15																				45															
14/ 13		.1															1	1		44															
12/ 11		.1															1	1	1	16															
10/ 9		.4															3	3	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																																			

FORM 0-26-3 (O.L.A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
STATION STATION NAME YEARS MONTH

PAGE 2 2100-2300  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
8/ 7	.1																	1	1	3	10		
6/ 5																					7		
4/ 3																					12		
2/ 1																					7		
0/ -1																					1		
-4/ -5																					2		
-6/ -7																					1		
-12/-13																					1		
<b>TOTAL</b>	.7	17.7	14.9	12.9	12.2	11.3	9.3	9.7	5.6	3.9	1.2	.4	.1				744	744	744	744			

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2412000	38780	52.1	22.930	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1576495	33395	44.9	10.215	744		10.0	.9	.3			93
Wet Bulb	1067281	27615	37.1	7.545	744		25.1					93
Dew Point	578516	19080	25.6	10.957	744	.6	69.4					93

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAR  
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														
86/ 85															.1		.0	8	8																
84/ 83														.0	.1			6	6																
82/ 81													.1	.2	.1	.0	.1	30	30																
80/ 79											.0	.0	.1	.4	.1	.2	.0	44	44																
78/ 77											.0	.1	.1	.3	.2	.1		51	51																
76/ 75								.0	.0		.1	.2	.5	.1	.2			61	61																
74/ 73						.0	.0	.0	.1		.1	.4	.6	.2	.0			81	81																
72/ 71					.0	.0	.1	.0	.1	.1	.3	.4	.4	.3	.0			97	97																
70/ 69					.1	.0		.1	.1	.3	.5	.1	.1					70	70																
68/ 67					.0	.1	.0	.1	.2	.4	.6	.6	.1	.1				123	123																
66/ 65			.1	.0		.1	.0	.1	.3	.6	.6	.2	.1					120	120	1															
64/ 63		.0	.1	.0		.1	.1	.1	.6	.7	.6	.1	.1					145	145	2															
62/ 61		.0	.1	.1	.0	.1	.2	.3	.7	.8	.5	.2						176	176	9	1														
60/ 59	.0	.2	.1	.0	.1	.0	.4	.9	.7	.6	.2	.1						194	194	20	4														
58/ 57		.1	.2	.1	.1	.3	.6	.5	.9	.5	.2							203	203	38	12														
56/ 55		.2	.2	.2	.4	.5	.7	.7	.7	.4	.1							223	223	61	15														
54/ 53		.4	.3	.4	.4	.5	.9	.6	.7	.2	.0							264	264	113	20														
52/ 51	.0	.5	.4	.5	.5	.9	1.0	1.0	.4	.1								315	315	186	35														
50/ 49	.0	.4	.6	.4	.7	1.0	1.1	1.0	.3									324	324	246	43														
48/ 47		.5	.7	.6	.8	.8	1.1	.7	.1									312	312	387	49														
46/ 45		1.1	.6	.9	1.1	1.3	.8	.3										362	362	406	66														
44/ 43	.0	1.3	.8	1.2	1.3	.5	.6	.1										346	346	426	119														
42/ 41	.1	1.1	1.2	1.3	.7	.8	.3	.0										328	328	465	145														
40/ 39	.2	1.3	1.8	1.6	.8	.7	.2											388	388	499	158														
38/ 37	.1	1.6	1.6	.8	.9	.5	.0											324	324	569	222														
36/ 35	.1	1.4	1.1	.6	.8	.2												251	251	596	278														
34/ 33	.0	1.6	1.0	.8	.4	.1												234	234	395	281														
32/ 31	.1	2.1	1.3	.8	.2	.0												268	268	337	541														
30/ 29	.4	1.4	.7	.4		.0												169	169	369	427														
28/ 27	.1	1.2	.6	.2	.1													129	129	288	519														
26/ 25	.0	1.2	.5	.1	.1													114	114	183	449														
24/ 23	.1	.6	.1															41	41	135	336														
22/ 21	.0	.4	.2	.0														37	37	75	364														
20/ 19	.0	.4	.1															33	33	40	418														
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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 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	
18/ 17	.0	.4	.0															25	25	24	261	
16/ 15		.2	.0															12	12	32	293	
14/ 13	.1	.1																8	8	8	266	
12/ 11	.0	.1																9	9	7	161	
10/ 9	.1	.2																19	19	19	141	
8/ 7	.0	.1																6	6	12	92	
6/ 5		.0																1	1	3	36	
4/ 3	.0																	1	1	1	47	
2/ 1																					42	
0/ -1																					10	
-2/ -3																					13	
-4/ -5																					9	
-6/ -7																					6	
-8/ -9																					6	
-10/-11																					5	
-12/-13																					1	
-14/-15																					1	
TOTAL	1.5	19.8	14.1	11.2	9.4	8.5	7.9	6.4	5.7	4.5	3.5	2.7	1.9	1.6	.8	.3	.2		5952		5952	
																		5952		5952		

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Rel. Hum.	19359590	304612	51.225	170	5952																	
Dry Bulb	14226768	279144	46.913	811	5952		109.0	71.4	35.1	8.5												744
Wet Bulb	9080776	226510	38.1	8.798	5952		191.6															744
Dew Point	4662338	154032	25.910	659	5952	6.4	563.0															744

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27347 AMARILLO MAP TX  
 STATION STATION NAME

74-81  
 YEARS

YEARS

APP  
 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																	
76/ 75							.1																											1	1			
74/ 73												.1																						1	1			
72/ 71							.3	.3																										4	4			
70/ 69					.6	.3	.3	.3				.1																					13	13				
68/ 67				.1	.3	.3	.3	.3				.1																					8	8				
66/ 65			.4	.3	.3	.3	.4	.8									.4																21	21				
64/ 63				.4	.8	1.0	.8	.4				.7																					30	30	2			
62/ 61		.7	1.0	1.1	.3	.7	1.0	.4				.3																					39	39	14	3		
60/ 59		.8	1.1	.3	1.3	.8	.8	1.4	.1	.7																							53	53	14	3		
58/ 57		.6	.7	.6	.8	.7	.8	.7	.4	.3																							40	40	22	9		
56/ 55		1.8	1.9	.4	.7	1.0	.8	.4	.7	.3																							58	58	33	26		
54/ 53		1.9	1.1	.7	.3	1.3	.8	.7	.3																								51	51	42	22		
52/ 51	.3	1.5	1.1	1.1	1.4	.6	1.8	1.0	.7																								68	68	60	39		
50/ 49		.4	1.3	1.1	1.3	.8	1.3	.3	.1																								47	47	33	28		
48/ 47	.1	.7	.6	.8	.7	1.3	.8																										36	36	48	23		
46/ 45	.1	1.3	1.1	1.5	1.8	1.4	.3	.1																									55	55	52	38		
44/ 43		1.1	.8	1.8	1.1	.3																											37	37	59	18		
42/ 41		1.9	1.3	1.8	.6	.6																											44	44	54	43		
40/ 39		1.9	1.1	.6	.7	.7																											36	36	68	37		
38/ 37		1.1	.8	.1	1.0	.1																											23	23	73	35		
36/ 35		1.3	1.0	.3	.6																												22	22	59	57		
34/ 33		.6	.7	.1																													10	10	23	31		
32/ 31		1.3	.3	.3																													13	13	21	52		
30/ 29		.3	.1																														3	3	25	42		
28/ 27		.1		.1	.1																												3	3	10	50		
26/ 25		.3																															2	2	2	35		
24/ 23		.1	.1																														2	2	2	9		
22/ 21																																			2	22		
20/ 19																																				2	30	
18/ 17																																					30	
16/ 15																																					14	
14/ 13																																					10	
12/ 11																																					5	
10/ 9																																					4	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



23047 AMARILLO MAP TX 74-81 APR 0000-0200  
 STATION STATION NAME YEARS MONTH HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
7																																					
5																																					
1																																					
TOTAL	.6	19.7	16.5	13.5	14.6	12.5	10.3	6.5	2.8	1.8	1.1	.1																							720	720	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	2929257	43275	60.1	21.367	720							
Dry Bulb	1915676	36490	50.7	9.606	720		2.9	3.4	.3			90
Wet Bulb	1431045	31511	43.8	8.501	720		8.0					90
Dew Point	1013137	25577	35.5	12.059	720		38.5					90

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23-47 AMARILLO MAP TX

74-81

APR  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 69					.3																										2	2			
68/ 67				.4	.3	.1																										6	6		
66/ 65			.1	.4	.4		.4																									10	10		
64/ 63		.1	.4	.7		.4										.1	.1															14	14		1
62/ 61		1.1	1.1	.6	.6	.3	.1				.1																					28	28		12
60/ 59	.1	.1	1.4	.8	.3	.4	.4	.4	.1	.4																						33	33		15
58/ 57	.1	.6	1.9	.8	1.5	.4	.3	.7	.3																							48	48		20
56/ 55		1.7	.8	1.7	.1	1.4	.7																									51	51		35
54/ 53		1.4	.8	.6	.7	.4	.8	.4	.3																							39	39		26
52/ 51	.1	2.4	1.3	1.4	1.4	1.4	.6	.7	.4																							69	69		40
50/ 49	.3	1.9	1.0	.7	.7	1.3	.3	.8																								50	50		42
48/ 47		1.4	1.1	1.1	.7	.7	1.0																									43	43		36
46/ 45	.4	1.3	.7	2.2	.8	1.4	.4																									52	52		51
44/ 43	.1	1.7	1.5	1.4	.8	1.4																										50	50		51
42/ 41		2.1	2.4	2.2	.4	.3																										53	53		59
40/ 39	.1	1.8	2.1	1.9	.8	.6	.1																									54	54		67
38/ 37		.7	1.3	.7	1.0																											26	26		64
36/ 35		1.1	1.1	1.0	.6	.3																										29	29		72
34/ 33		2.8	.3	.7	.3																											29	29		37
32/ 31		1.3	.6	.3																												15	15		30
30/ 29		1.1	.3																													10	10		30
28/ 27		.1																														1	1		18
26/ 25		.3	.1																													3	3		6
24/ 23		.1	.1																													2	2		2
22/ 21		.1	.1																													2	2		2
20/ 19		.1																														1	1		2
18/ 17																																			
16/ 15																																			
14/ 13																																			
12/ 11																																			
10/ 9																																			
8/ 7																																			
6/ 5																																			
Element (X)	Σ X'		Σ X		X̄		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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

APR

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	1.4	25.3	20.6	19.6	11.7	10.7	5.1	3.1	1.8	.6	.1	.1						720	720	720	720	
Element (X)	$\sum X^2$		$\sum X$		$\bar{X}$	$\sigma_X$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	3423431		47447		65.9	20.315	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	1704009		34379		47.7	9.320	720		4.3	1.0				90								
Wet Bulb	1345363		30467		42.3	8.837	720		11.5					90								
Dew Point	1015389		25597		35.6	12.106	720		38.5					90								

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMAPILLO MAP TX 74-81 APR  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0600-0800  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
70/ 69						.1	.1																										2	2			
69/ 67			.1	.1																														2	2		
66/ 65			.7	.4	.3	.1				.1																							12	12			
64/ 63		.1	.6	.1	.3	.1	.3	.1	.1																								13	13		2	
62/ 61		.8	1.5	1.3	.6		.1	.1										.3															34	34		9	
60/ 59	.1	.7	.7	.7	.3	.1	.1		.3	.4																							25	25		18	
59/ 57		.4	1.5	1.5	1.1	.4	.4	.6																									43	43		19	
56/ 55		2.1	.4	1.0	1.0	.8	.6	.1	.3																								45	45		20	
54/ 53		2.4	.4	1.3	.4	.7	.4	.3	.1																								43	43		38	
52/ 51	.4	2.6	1.5	1.0	1.3	.6	.8	.4																									62	62		43	
50/ 49	.4	1.5	2.4	.1	1.9	1.0	1.0																										60	60		44	
48/ 47		2.2	1.0	1.5	1.8	1.0	.4																										57	57		43	
46/ 45	.6	1.7	1.5	1.9	1.1	1.7	.7	.1																									67	67		58	
44/ 43		1.0	1.1	1.8	.7	.7																											38	38		50	
42/ 41		1.5	2.5	1.4	1.0	.1																											47	47		58	
40/ 39	.3	1.7	2.1	1.4	1.5																												50	50		29	
38/ 37		1.5	1.5	1.0	.1																												30	30		68	
36/ 35	.1	1.3	.7	1.0	.7	.1																											28	28		48	
34/ 33		1.7	.6	1.3																													25	25		49	
32/ 31		1.3	.4	.3	.1																												15	15		28	
30/ 29		.7	.4	.3																													10	10		24	
28/ 27		.8																															6	6		15	
26/ 25			.1																														1	1		12	
24/ 23		.1	.1																														2	2		2	
22/ 21			.1																														1	1		1	
20/ 19		.3																															2	2		1	
18/ 17																																				3	
16/ 15																																				14	
14/ 13																																				3	
12/ 11																																				4	
10/ 9																																				5	
TOTAL	1.9	26.4	22.1	19.3	14.2	7.6	5.0	1.8	1.0	.7																								720	720		720
Element (X)	Σx²		Σx		X	%x		No. Obs.		Mean No. of Hours with Temperature																											
Rel. Hum.	3563503		48727		67.7	19.228		720		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb	1691120		34270		47.6	9.132		720			4.6	.5				90																					
Wet Bulb	1357873		30625		42.5	8.766		720			10.8					90																					
Dew Point	1047720		26166		36.3	11.603		720			36.6					90																					

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 APR  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81										.1	.1				.1			3	3		
80/ 79									.1	.4								4	4		
78/ 77								.1	.3	.3	.3	.1	.4					11	11		
76/ 75						.1	.1	.3	.3	.3	.3	.4	.1					16	16		
74/ 73					.1	.8	.6	.3	.6	.4	.7	.4	.1					23	23		
72/ 71				.4	.3	.4	.7	.8	.1	.4	.6	.4						29	29		
70/ 69			.1	.4	.3	.4	.7	.8	.1	.4	1.0	.4						33	33		
68/ 67			.1	.6	.8	.6	.3	.7	.3	.8	.4	.1						34	34		
66/ 65				1.1	.1	1.0	1.1	.7	1.3	1.1	.7	.1						52	52	2	
64/ 63			.7	.8	.7	.7	1.3	.4	.6	.8	.4							46	46	10	
62/ 61	.1		.4	.6	1.0	.8	.7	.8	1.1	1.0	.3							49	49	26	5
60/ 59			1.3	.6	1.9	1.1	1.3	1.7	1.4	.6	.1							71	71	33	5
58/ 57	.1	.6	.7	1.0	.6	1.1	1.3	.8	.4	.3								49	49	38	11
56/ 55	.1	.7	.7	.6	.7	.8	1.0	.8	.1	.1								41	41	51	30
54/ 53	.1	1.5	.8	1.3	.8	1.4	1.1	.8	.1									58	58	62	38
52/ 51		.6	.4	.6	1.4	.8	1.4	.7										42	42	73	23
50/ 49	.3	.4	.4	.3	.8	1.3	.7	.1										31	31	58	34
48/ 47		.1	.8	.4	1.0	.6	.7											26	26	67	36
46/ 45	.3	1.4	.4	.4	1.0	.7	.4											33	33	63	42
44/ 43		.8	.6	.3	.3	.3	.1											17	17	62	36
42/ 41		.6	.4	.4	.1	.1												12	12	48	45
40/ 39		.1	.6	.7	.3	.3												14	14	49	35
38/ 37		1.0	.3		.1													10	10	23	34
36/ 35		.7	.6		.1													10	10	26	46
34/ 33		.1			.1													2	2	15	45
32/ 31	.1	.1																2	2	8	59
30/ 29				.1														1	1	3	33
28/ 27																				1	37
26/ 25			.1															1	1		33
24/ 23																				1	25
22/ 21																				1	20
20/ 19																					15
18/ 17																					17
16/ 15																					7
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX STATION

74-81 YEARS

APR MONTH

PAGE 2

0900-1100 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
14/ 13																																			
12/ 11																																			
TOTAL	1.3	8.8	9.3	10.0	12.5	12.9	13.2	9.9	6.8	6.9	4.9	2.2	.7	.6	.1					720	720	720													

Element (X)	Σx²	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Rel. Hum.	2198094	36674	50.92	1.426	720							
Dry Bulb	2512211	41893	58.21	0.191	720		.5	19.1	7.1	.8		90
Wet Bulb	1712118	34664	48.1	7.755	720		1.8					90
Dew Point	1114626	27148	37.71	1.250	720		31.9					90

USAETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX  
 STATION STATION NAME

74-81 YEARS

APR 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
90/ 89													.1	.3		.1	4	4		
88/ 87													.4	.1	.1	.1	6	6		
86/ 85										.1	.1	.3	.3	.6		.1	11	11		
84/ 83										.7	.1	.7	.4	.3	.1		17	17		
82/ 81								.1	.6	.4	.4	.3	1.5	.4	.6	.1	32	32		
80/ 79						.1		.4	.3	.4	1.0	1.0	1.7	1.1	.1		44	44		
78/ 77							.1	.6	.4	1.3	1.0	.6	1.1	1.0		.1	38	38		
76/ 75						.1	.6	.4	1.3	1.0	.6	1.0	.7	.3			42	42		
74/ 73					.3	.7	.6	.8	.3	.1	1.4	1.0	.4				40	40		
72/ 71				.1	.6	.4	.8	.8	1.3	.7	1.4	.6					48	48		
70/ 69				.4	.1	.4	1.1	.6	.6	1.1	1.0	.6	.3				43	43		
68/ 67			.4	.1	.8	.6	.7	1.0	.7	1.0	1.0	.1					46	46	1	
66/ 65		.3	.6	.6	.7	1.1	.8	.4	1.8	1.7	.4						60	60	10	
64/ 63	.1	.3	.3	.7	.6	.7	1.1	1.5	1.0	.4	.1						49	49	25	
62/ 61		.3	.4	1.1	.3	.8	.6	1.3	.8	.3							42	42	36	1
60/ 59	.3	.1	.4		.4	.4	.8	.7	.7	.1	.1						30	30	50	6
58/ 57	.3	.3	.4	.1	.1	.6	1.0	.8	.6								30	30	64	14
56/ 55	1.0	.4	.1	.1		1.1	.6	1.3	.1								34	34	68	16
54/ 53	.1	.1	.1	.4	.1	1.1	.7	.3									22	22	81	31
52/ 51		.4	.6	.3	.3	.8											17	17	72	30
50/ 49	.3	.4	.1	.6	.1	.3											13	13	58	36
48/ 47	.3	.6	.1	.6			.4										14	14	63	46
46/ 45	.3	.4	.1	.3			.1										9	9	53	21
44/ 43		.4	.3			.3											7	7	45	35
42/ 41	.6	.3	.1		.1												8	8	35	36
40/ 39	.7	.4		.1	.1												10	10	29	32
38/ 37	.6																4	4	16	35
36/ 35																			8	38
34/ 33																			1	37
32/ 31																			4	63
30/ 29																			1	45
28/ 27																				36
26/ 25																				33
24/ 23																				20
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

YEARS

APR  
 MONTH

PAGE 2

1200-1400  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
22/ 21																					29	
20/ 19																					34	
18/ 17																					11	
16/ 15																					10	
14/ 13																					9	
12/ 11																					8	
10/ 9																					2	
8/ 7																					2	
6/ 5																					2	
4/ 3																					1	
2/ 1																					1	
TOTAL	4.4	4.7	4.2	5.6	5.0	10.3	9.4	11.3	11.7	8.3	7.6	6.8	6.4	2.8	1.0	.6		720		720		
																		720		720		
Element (X)	Σ X <sup>2</sup>	Σ X	X	° X	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	1316525	26913	37.4	20.782	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	3276762	47906	66.5	11.143	720			46.4	29.3	11.5		90										
Wet Bulb	1928911	36903	51.3	7.220	720		.6	.1				90										
Dew Point	1035210	25896	36.0	2.016	720		38.3					90										

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23 47  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

APR  
 MONTH

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

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
92/ 91															.4			3	3		
90/ 89														.4	.6	.1	.3	10	10		
88/ 87													.1	.1	.4	.3	.1	8	8		
86/ 85												.4	1.0	.8	.4	.4	22	22			
84/ 83									.1		.4	.7	.1	1.1	1.1	1.0	33	33			
82/ 81								.6	1.0	.8	.1	1.9	1.1	.3	.7		47	47			
80/ 79							.1	.3	.8	1.0	1.5	3.1	.3	.3			53	53			
78/ 77							.1	.4	.8	1.0	.8	.6	1.3	.8	.1		43	43			
76/ 75						.3	.3	.6	1.0	1.3	.1	1.4	.8	.7			44	44			
74/ 73					.3	.6	.6	1.0	.8	1.0	1.1	1.1	.6				48	48			
72/ 71				.3	.4	.3	.8	.3	.1	1.0	1.1	.3	.1				34	34			
70/ 69				.1	.4	.7	.7	1.3	1.3	1.5	.4	.3					48	48			
68/ 67			.3	.4	.1	.6	.6	.6	1.0	.8	1.3	1.9	.1	.1			54	54			
66/ 65			.1	.7	.1	.1	.4	.8	1.8	1.0	1.1	.1					41	41	6		
64/ 63		.1	.1	.6	.6	.1	.3	.6	.4	.8	.6	.1					45	45	18		
62/ 61		.7	.6	.1	.1	.3	.3	.6	.7	.6	.1						31	31	39		
60/ 59		.6	.1	.6	.1	.3	.3	.6	.7	.6							28	28	50	8	
58/ 57		.4	.1	.6	.1	.3	.3	.7	.1								24	24	72	5	
56/ 55		.4	.4	.4	.4	.1	1.0	.4									19	19	85	23	
54/ 53		.1	.3	.1	.4	.4	.1	.1									17	17	74	17	
52/ 51		.1	.3	.1	.4	.4	.1	.1									16	16	82	16	
50/ 49		.1	.3	.1	.4	.4	.1	.1									12	12	66	24	
48/ 47		.3	.4	.1	.3	.1	.1										14	14	58	28	
46/ 45		.3	.4	.1	.3	.1	.1										9	9	53	39	
44/ 43						.1	.1										2	2	29	30	
42/ 41			.3														2	2	43	36	
40/ 39		.6	.7														9	9	18	32	
38/ 37		.3															2	2	13	23	
36/ 35																			6	37	
34/ 33		.1															1	1	7	36	
32/ 31		.1															1	1		68	
30/ 29																			1	66	
28/ 27																				43	
26/ 25																				33	
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047

AMARILLO MAP TX

74-81

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																
92/ 91															.1																		1	1			
90/ 89															.1	.1																		2	2		
88/ 87															.1																			1	1		
86/ 85														.4	.1	.3													.1				7	7			
84/ 83															.1	.4													.3				7	7			
82/ 81									.1				.3	.3	.7	.3	.3	.1										.3	.1			19	19				
80/ 79											.3	.3	.4	.7	1.0	.3	.6															25	25				
78/ 77							.1	.1	.1	.1	.1	.6	.3	.7	1.1	.6	.1															28	28				
76/ 75					.1	.1	.1	.3	.4	.8	.4	.6	1.5	.7	.3																	38	38				
74/ 73						.1	.1	.1	.4	.7	.8	.7	1.7	.7	.3	.1																41	41				
72/ 71					.1	.7	.7	.7	.7	.8	.6	.4	1.0	.8	.1																	43	43				
70/ 69					.4	.3	.4	.6	.7	1.1	1.5	1.1	.1	.3																		47	47				
68/ 67				.3	.1	.3	.6	1.0	1.3	.6	.4	1.1	.1																			41	41	2			
66/ 65			.4	.3	.6	1.0	.4	.7	1.1	1.4	1.9	.4	.1																			60	60	3			
64/ 63			.3	.3	.7	.4	.6	.7	1.4	1.7	1.0																					50	50	8	1		
62/ 61			.1	.7	1.3	.3	1.3	1.0	.8	.4	.8	.1																				49	49	26	2		
60/ 59		.7	.8	.6	.4	.4	.8	1.0	.6	.8	.3																					46	46	32	6		
58/ 57		.8	.4	.1	.4	.3	.6	.6	1.0	.6																						34	34	49	7		
56/ 55		.7	.3		.7	.3	1.1	.7	1.1	.4																						38	38	70	18		
54/ 53		.4	.3		.4	.6	.4	.6																								19	19	73	23		
52/ 51		.1	.1	.6	.4	.7	.4	.8	.1																							24	24	73	25		
50/ 49		.6	1.0	.1	.6	.6	.3	.3	.1																							25	25	63	32		
48/ 47		.1	.1	.7	.6	.1	.7																									17	17	79	21		
46/ 45			.3	.4	.8	.1																										12	12	60	32		
44/ 43		.4		.3	.3	.1	.1																									9	9	42	32		
42/ 41		.1	.3	.7		.4																										11	11	45	34		
40/ 39		.7	.7	.1		.1																										12	12	33	23		
38/ 37		.4	.4	.1		.1																										8	8	23	36		
36/ 35		.1																														1	1	22	42		
34/ 33			.1																													1	1	8	39		
32/ 31		.3																														2	2	3	49		
30/ 29		.3																														2	2	3	57		
28/ 27																																			3	49	
26/ 25																																			3	49	
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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

23047 AMARILLO MAP TX 74-81 APR  
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	
24/ 23																						14
22/ 21																						26
20/ 19																						33
18/ 17																						31
16/ 15																						15
14/ 13																						8
12/ 11																						10
10/ 9																						8
8/ 7																						3
6/ 5																						3
4/ 3																						4
2/ 1																						2
-6/ -7																						1
<b>TOTAL</b>		5.8	5.7	5.3	7.9	7.2	8.5	9.3	10.4	9.6	9.0	6.9	5.6	4.4	2.6	1.1	.6			720		720
																				720		720

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1447342	28052	39.0	2.202	720			5	37.5	21.1	5.9	90
Wet Bulb	3004228	45790	63.6	1.319	720		1.1	.3				90
Dew Point	1787615	35483	49.3	7.360	720	.1	43.4					90

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 APR  
 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			
76/ 75							.1		.3	.3	.1							6	6					
74/ 73					.1	.1	.1	.7			.1							9	9					
72/ 71						.7	.8	.3	.1	.1	.4				.1			19	19					
70/ 69					.3	.3	.4	.4	.1	.3	.1							15	15					
68/ 67				.1	.3	.4	.6	.7	1.0	.6	.3			.1				29	29					
66/ 65			.6	.3	1.0	.6	1.1	.8	.7	.3	.3	.1						41	41	1				
64/ 63			.3	.7	.3	.4	1.3	1.0	1.1	.8	.3	.1						45	45	2				
62/ 61		.4	.8	.8	.3	.8	.6	.8	.6	1.3	.3							48	48	17	3			
60/ 59	1.3	1.1	.7	1.0	1.1	.7	1.7	.8	1.4	.1								71	71	25	5			
50/ 57	.7	1.1	1.3	1.1	.6	.8	.8	1.3	.3									57	57	35	8			
56/ 55	1.4	.3	.6	.8	.7	1.1	.7	1.9	.8									60	60	34	28			
54/ 53	1.3	.7	.4	1.0	1.5	1.4	.4	.7	.1									54	54	59	26			
52/ 51	.1	.3	.4	1.3	.1	1.1	1.5	1.0	.1									43	43	55	41			
50/ 49	.1		.8	.4	.8	.7	1.5	.3										34	34	46	21			
48/ 47	.3	.3	.8	.6	1.3	.4	1.4											36	36	46	22			
46/ 45		1.7	.8	1.1	.6	.7												35	35	62	34			
44/ 43		.7	1.0	.7	.4	1.0	.1											28	28	71	40			
42/ 41		1.1	.8	.6	.4	.4												21	21	66	30			
40/ 39		.7	1.0	.6	.8	.1												23	23	57	38			
38/ 37		1.0	1.8		.3													22	22	55	36			
36/ 35		.4	.4	.4	.3													11	11	34	45			
34/ 33		.1	.3															3	3	27	37			
32/ 31		.1		.1														2	2	9	54			
30/ 29		.4		.1														4	4	9	39			
28/ 27		.1		.1														2	2	5	38			
26/ 25		.3																2	2	3	32			
24/ 23																				1	13			
22/ 21																				1	25			
20/ 19																					43			
18/ 17																					22			
16/ 15																					17			
14/ 13																					6			
12/ 11																					7			
10/ 9																					6			
Element (X)	Σ X'	Σ X	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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 YEARS

APR  
 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
92/ 91															.1			4	4		
90/ 89													.0	.1	.1	.0	.1	16	16		
88/ 87													.1	.0	.1	.0	.0	15	15		
86/ 85										.0	.0	.1	.2	.2	.1	.1	.1	40	40		
84/ 83									.0	.1	.1	.1	.2	.1	.2	.2	.2	57	57		
82/ 81								.0	.1	.3	.2	.1	.5	.2	.1	.1	.1	101	101		
80/ 79						.0	.0	.1	.2	.2	.3	.4	.7	.2	.1			126	126		
78/ 77					.0	.0	.1	.2	.3	.3	.2	.3	.5	.2	.1			120	120		
76/ 75					.0	.1	.3	.3	.4	.3	.2	.7	.4	.2	.0			147	147		
74/ 73					.0	.1	.3	.3	.4	.3	.2	.7	.4	.2	.0			162	162		
72/ 71					.1	.4	.4	.4	.3	.3	.3	.5	.2	.0				177	177		
70/ 69				.1	.3	.3	.4	.4	.3	.5	.6	.5	.1	.1				203	203		
68/ 67			.0	.3	.3	.4	.3	.5	.6	.5	.4	.5	.1	.0				220	220	3	
66/ 65			.3	.4	.4	.5	.7	.6	.6	.7	.7	.2	.0					297	297	22	
64/ 63		.1	.3	.5	.5	.5	.7	.5	.9	.7	.5	.1						292	292	68	1
62/ 61	.0	.4	.7	.7	.7	.4	.6	.5	.5	.6	.3	.0						320	320	179	16
60/ 59	.0	.6	.9	.5	.7	.6	.6	.9	.6	.7	.2	.0						357	357	237	51
58/ 57	.0	.6	.8	.7	.7	.5	.6	.7	.7	.3								325	325	319	85
56/ 55	.0	1.2	.6	.6	.5	.7	.8	.5	.8	.2								346	346	396	168
54/ 53	.0	1.1	.6	.5	.6	.8	.9	.5	.2	.0								303	303	455	212
52/ 51	.1	.9	.7	.8	.8	.8	1.0	.6	.2									341	341	498	256
50/ 49	.1	.7	.9	.4	.9	.8	.7	.2	.1									272	272	410	229
48/ 47	.1	.6	.7	.7	.9	.5	.6	.1										243	243	440	226
46/ 45	.2	1.0	.7	1.0	.8	.7	.2	.1										272	272	452	264
44/ 43	.0	.7	.7	.8	.5	.5	.1											188	188	409	264
42/ 41		1.0	1.0	.9	.3	.3												198	198	408	279
40/ 39	.1	1.0	1.1	.7	.5	.2	.0											208	208	388	258
38/ 37		.8	.8	.2	.3	.0												125	125	335	264
36/ 35	.0	.6	.5	.3	.3	.1												101	101	275	355
34/ 33		.7	.2	.2	.1													71	71	167	323
32/ 31	.0	.6	.2	.1	.0													50	50	103	470
30/ 29		.3	.1	.1														30	30	76	354
28/ 27		.2		.0	.0													12	12	52	335
26/ 25		.1	.1															9	9	23	265
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								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 APR  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 ALL  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
24/ 23		.1	.1																6	6	6	132													
22/ 21		.0	.0																3	3	7	212													
20/ 19		.1																	3	3	5	258													
18/ 17																					5	162													
16/ 15																						108													
14/ 13																						62													
12/ 11																						51													
10/ 9																						38													
8/ 7																						18													
6/ 5																						10													
4/ 3																																			
2/ 1																																			
0/ -1																																			
-2/ -3																																			
-6/ -7																																			
TOTAL	.7	13.2	12.0	10.7	10.1	9.0	9.0	7.2	6.5	6.0	4.5	3.5	2.5	2.7	1.5	.6	.5		5760		5760	5760													
																			5760		5760														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum.	18283369	292299	50.724	4.77	5760							
Dry Bulb	19875610	330004	57.312	9.71	5760		14.1	173.5	98.5	37.0		72
Wet Bulb	13069628	269768	46.8	8.692	5760		37.4	.4				72
Dew Point	8110165	204655	35.512	0.68	5760	.5	311.1					72

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAY  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0000-0200  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
82/ 81										.1								1	1																
80/ 79									.1									1	1																
78/ 77							.1	.1										2	2																
76/ 75							.3	.3					.1					5	5																
74/ 73					.8		.1	.1										8	8																
72/ 71			.4	.5	.3	.9	.1	.1	.1				.3	.1				22	22																
70/ 69		.4		.5	.8	.5	.1	.1		.1								20	20	2															
68/ 67		.5	1.3	.7	.1	.5	.1	.5	.1	.3	.1							33	33	7	3														
66/ 65		.9	1.5	.8	.4	.9	.3	.1	.1	.3			.1					41	41	17	7														
64/ 63		.5	1.6	1.6	.9	.5	.3	.1	.5	.1								47	47	28	18														
62/ 61		1.9	1.2	.9	1.2	1.1	.3	1.1		.1								59	59	39	15														
60/ 59		3.8	3.4	1.6	.5	.9	.8	.9	.3									92	92	45	25														
58/ 57		4.0	2.2	1.7	.8	.8	.8	.7	.1									83	83	60	56														
56/ 55	.1	3.1	3.6	1.7	1.5	.9		.4										85	85	81	54														
54/ 53	.4	2.3	1.2	.7	.9	.7	.4	.5										53	53	70	71														
52/ 51		2.0	2.0	.8	.7		.4	.1										45	45	74	52														
50/ 49		2.2	1.7	.8	.7	.3	.3											46	46	63	55														
48/ 47		1.6	.9	.5	.1	.1												25	25	81	54														
46/ 45		.8	1.2	.8	.5	.3												27	27	45	50														
44/ 43			1.2	.7	.1	.3												17	17	33	47														
42/ 41		.4	.8	.4														12	12	27	24														
40/ 39	.3	.4	.5															9	9	27	37														
38/ 37			.3															2	2	25	20														
36/ 35	.4																	3	3	11	34														
34/ 33	.4	.4																6	6	9	33														
32/ 31																					29														
30/ 29																					17														
28/ 27																					12														
26/ 25																					4														
24/ 23																					10														
22/ 21																					5														
20/ 19																					3														
18/ 15																					5														
12/ 11																					1														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      74-81      MAY  
 STATION      STATION NAME      YEARS      MONTH  
 PAGE 1      0300-0500  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75							.1											1	1		
74/ 73			.1				.1											3	3		
72/ 71		.1				.3		.1										4	4		
70/ 69		.1	.4	.3	.3		.1	.1										10	10	2	1
68/ 67		.1	2.0	.4	.1	.4		.1				.1						25	25	1	2
66/ 65		.7	2.0	.4	.4	.1	.9			.1	.3	.1						38	38	6	1
64/ 63	.1	1.2	1.2	1.5	.1	.1			.3	.4								37	37	28	12
62/ 61		3.0	1.7	1.7	.5	.5		.4	.5	.1	.1							65	65	34	25
60/ 59	.4	3.6	2.4	.5	.9	.8	.3	.4	.1									71	71	42	39
58/ 57	.1	5.1	2.0	.9	.8	.4	.7	.3	.1									78	78	72	36
56/ 55	.3	3.5	3.2	1.1	.8	.7	.8	.3		.1								80	80	65	61
54/ 53	.4	4.7	1.5	1.1	.4	.9	.4	.1	.3									73	73	69	58
52/ 51	.3	2.7	2.0	1.6	.1	.5	.4	.1										58	58	77	61
50/ 49	.3	2.6	2.8	.7	.1	.7	.5											57	57	49	59
48/ 47		.9	1.9	1.1	.1	.3	.1											33	33	59	39
46/ 45	.7	1.3	1.7	.8	.5	.3												40	40	70	52
44/ 43		1.2	1.1	1.1	.4													28	28	43	54
42/ 41		.1	.4	.3		.4												9	9	41	34
40/ 39	.3	.4	.8	.1	.1													13	13	23	32
38/ 37		.9	.3															9	9	27	24
36/ 35		.3	.1															3	3	19	21
34/ 33	.8	.4																9	9	9	34
32/ 31																				8	30
30/ 29																					20
28/ 27																					11
26/ 25																					5
24/ 23																					11
22/ 21																					6
20/ 19																					4
18/ 17																					1
16/ 15																					4
14/ 13																					2
12/ 11																					1
8/ 7																					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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAY  
 STATION STATION NAME YEARS MONTH

PAGE 2 0300-0500  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																						
4/ 3	3.6	33.1	27.8	13.6	5.9	6.5	4.4	2.3	1.3	.8	.4	.3																									744	744	744	1			
TOTAL	3.6	33.1	27.8	13.6	5.9	6.5	4.4	2.3	1.3	.8	.4	.3																												744	744	744	1

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4391331	55381	74.4	19.026	744	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	
Dry Bulb	2293232	40902	55.0	7.749	744			5.4	.5			93
Wet Bulb	1935989	37509	50.4	7.779	744		1.0	.4				93
Dew Point	1659874	34202	46.0	10.858	744		12.1	.4				93

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

MAY

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															
78/ 77									.1																								1	1		
76/ 75									.1																								1	1		
74/ 73								.1																									1	1		
72/ 71						.1	.3	.3		.1							.3																8	8		
70/ 69			.8	.4	.3	.4	.1	.3		.1						.1																16	16			
68/ 67		.4	1.6	.3	.4	.4	.1	.4	.3	.4						.1																33	33		1	
66/ 65		.9	1.7	.9	.5	.4	.4	.1	.4		.1																					42	42	10	2	
64/ 63		.8	2.0	1.3	.5	1.1	.1	.4	.3		.1																					50	50	28	9	
62/ 61		2.3	2.0	2.6	1.1	.5	.7	.3	.4	.1																						74	74	36	33	
60/ 59	.7	3.9	3.2	1.1	1.5	.3	.5	.4	.4																							89	89	55	39	
58/ 57	.4	3.6	2.3	1.3	.8	.9	.4	.4	.3																							78	78	64	42	
56/ 55	.3	2.8	2.3	.9	.9	.4	.8		.3																							65	65	77	64	
54/ 53	.3	4.3	1.2	1.1	.8	1.1	.5		.1																							70	70	75	54	
52/ 51	.3	2.0	1.9	1.5	.5	.5	.1																									51	51	76	68	
50/ 49	.1	2.0	1.5	1.1	.8	.5	.3	.3																								49	49	62	45	
48/ 47	.5	1.2	1.1	.9	.8		.1																									35	35	60	56	
46/ 45	.4	.9	1.2	.8	.3																											27	27	52	54	
44/ 43		.9	.9	.3	.1	.3																										19	19	45	36	
42/ 41		.1	.7	.4		.1																										10	10	36	34	
40/ 39		.8	.4	.1																												10	10	28	35	
38/ 37		.3	.3		.1																											5	5	16	27	
36/ 35		.3																														2	2	7	36	
34/ 33	.5	.4																														7	7	11	26	
32/ 31	.1																															1	1	4	29	
30/ 29																																			1	18
28/ 27																																				11
26/ 25																																				7
24/ 23																																				2
22/ 21																																				5
20/ 19																																				2
18/ 17																																				3
16/ 15																																				6
12/ 11																																				1
Element (X)	Σ X'		Σ X		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	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047          AMARILLO MAP TX          74-81          MAY

STATION          STATION NAME          YEARS          MONTH

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	3.6	28.1	25.1	15.1	9.7	6.9	4.7	2.7	2.7	.7	.3	.5						744	744	744	744									
<b>Element (X)</b>	<b>Σ X<sup>2</sup></b>	<b>Σ X</b>	<b>X̄</b>	<b>s<sub>x</sub></b>	<b>No. Obs.</b>	<b>Mean No. of Hours with Temperature</b>					<b>Total</b>																			
Rel. Hum.	4182014	53882	72.4	19.405	744	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	93																		
Dry Bulb	2400194	41874	56.3	7.645	744		.1	7.5	.4			93																		
Wet Bulb	1991618	38096	51.2	7.423	744		.6	.1				93																		
Dew Point	1683313	34535	46.4	10.394	744		10.5					93																		

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047

AMARILLO MAP TX

74-81

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
90/ 89													.1					1	1	
88/ 87												.3					.1	3	3	
86/ 85											.3			.1		.3	.1	6	6	
84/ 83											.1	.4		.4				7	7	
82/ 81									.1	.1	.7	.3		.4	.1			13	13	
80/ 79						.1	.1	.3	.3		.1	.1	1.1	.1	.1			18	18	
78/ 77						.9	.5	.9	.8	.3		.3	.4	.4				34	34	
76/ 75					.3	.9	.8	.8	.4	.7	.7	.7	.4	.4	.1			43	43	
74/ 73				.1	2.0	.9	.4	.9	.9	.4	.5	.4	.1					51	51	
72/ 71				1.2	.9	1.5	1.3	.5	1.2	1.2	.1	.1						61	61	
70/ 69		.1	.3	.7	1.2	1.1	.9	.4	1.7	.5	.1	.1						54	54	4
68/ 67			1.1	.7	1.5	1.6	.9	.8	.7	.3	.1	.1						58	58	19 1
66/ 65			1.2	1.5	1.7	1.2	1.7	.5	.4	.3	.4	.1						68	68	51 5
64/ 63	.1	.4	1.3	1.2	1.6	.9	.4	.5	.5	.3	.5							59	59	44 22
62/ 61	.3	2.0	.9	1.3	1.1	.7	1.1	.8	.4	.3								66	66	70 37
60/ 59		1.1	.9	1.5	1.3	1.1	.8	.3	.1	.1								54	54	81 40
58/ 57	.1	1.1	.9	.1	.9	.3	.9	.3	.1									36	36	82 45
56/ 55	.1	1.5	.5	.7	.9	.5	.5		.1									37	37	81 58
54/ 53		.8	.7	.4	.4	.3												19	19	97 67
52/ 51		.4	.7	.4	.4	.5	.4											21	21	55 54
50/ 49		.3	.1	.4	.5	.3												12	12	41 39
48/ 47			.3	.4	.3													7	7	37 57
46/ 45			.1	.3	.4													6	6	28 39
44/ 43		.3																2	2	20 38
42/ 41		.1	.1															2	2	16 40
40/ 39	.1		.1															2	2	11 24
38/ 37	.1																	1	1	4 34
36/ 35	.4																	3	3	3 47
34/ 33																				26
32/ 31																				18
30/ 29																				13
28/ 27																				15
26/ 25																				4
24/ 23																				6
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_A$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX  
STATION STATION NAME

74-81  
YEARS

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

PAGE 2

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/ 21																					5	
25/ 19																					4	
18/ 17																					1	
16/ 15																					4	
10/ 9																					1	
<b>TOTAL</b>	1.3	8.1	9.4	10.9	15.6	12.9	11.0	7.3	7.9	5.0	3.4	2.7	2.6	1.2	.5	.1	.1			744	744	
																					744	744

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.	2614931	41213	55.4	21.138	744							
Dry Bulb	3274020	48898	65.7	9.008	744			43.6	22.0	4.9		93
Wet Bulb	2331603	41339	55.6	6.832	744			2.9				93
Dew Point	1732933	35023	47.1	10.649	744		8.9	.1				93

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAY  
 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
96/ 97																	.7	5	5		
96/ 95																	.5	5	5		
94/ 93																.1	.4	1.2	13	13	
92/ 91													.1	.4	.3	.8	1.1	20	20		
90/ 89										.1	.5	.4	.5	.3	.5	1.5	25	25			
88/ 87										.7	.7	.5	.3	1.1	1.2	.8	39	39			
86/ 85									.1	.3	1.1	.9	.7	2.0	.1	.7	44	44			
84/ 83							.4	.4		.3	.3	1.2	1.6	.7		.7	41	41			
82/ 81							1.2	.3	.8	.7		.8	1.6		.1		41	41			
80/ 79					.1	.1	.8	.9	1.3	.8	1.3	.5	.8	1.2		.7	65	65			
78/ 77					.1	.8	.8	.7	.9	1.3	.3	1.1	1.6	.3			59	59			
76/ 75					.8	.5	.7	.7	.9	1.1	.4	.4	.5	.3	.1		48	48			
74/ 73				.3	.7	.9	1.6	2.3	1.2	.4	.4	.1	.1				60	60			
72/ 71				.4	.4	.4	1.3	.9	.9	1.1	.7	.8		.1	.1		54	54			
70/ 69				.1	1.2	.4	.4	.4	.7	.5	.4	.3		.1			34	34	11		
68/ 67				.4	.7	.9	.1	.9	.8	.4	.4			.1			39	39	45	1	
66/ 65		.1	.5	.3	.7	.5	.4	.5	.7	.3				.1			30	30	48	4	
64/ 63		.4	1.2	.5	.3	.3		.7	.8								31	31	75	13	
62/ 61		.9	.3	.3	.3	.8	.5	.8	.3								31	31	69	26	
60/ 59		.4	.4	.1	.5	.1	.1	.3									15	15	115	32	
58/ 57		.5	.4	.4	.7		.1	.7									21	21	119	53	
56/ 55		.4	.3	.1		.3											8	8	68	33	
54/ 53		.4	.5														7	7	59	58	
52/ 51																			56	41	
50/ 49																			34	42	
48/ 47																			22	47	
46/ 45																			7	41	
44/ 43																			6	35	
42/ 41																				36	
40/ 39		.3																2	2	38	
38/ 37	.1	.4																4	4	3	27
36/ 35		.4																3	3	4	40
34/ 33																				2	42
32/ 31																					45
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAY

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	
30/ 29																						16
26/ 27																						13
26/ 25																						8
24/ 23																						4
22/ 21																						8
20/ 19																						4
18/ 17																						8
16/ 15																						4
14/ 13																						5
12/ 11																						5
10/ 9																						4
8/ 7																						4
6/ 5																						3
4/ 3																						1
2/ 1																						1
-10/-11																						1
-18/-19																						1
TOTAL	.1	4.3	3.6	3.0	6.5	6.2	7.0	11.4	9.3	6.9	5.9	6.2	7.1	6.7	5.0	3.8	7.1		744	744	744	
																		744		744		
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	1481282	28872	38.8	22.038	744	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total										
Dry Bulb	4284760	55916	75.2	10.527	744			74.0	58.1	34.0	2.9	93										
Wet Bulb	2528270	43138	58.0	6.037	744			7.1				93										
Dew Point	1541579	32469	43.6	12.950	744	.3	16.9	.1				93										

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

74-81

MAY

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				
98/ 97																	.1	1	1						
94/ 93																.1	.5	5	5						
92/ 91														.1	.1	.5	6	6							
90/ 89															.4	.3	6	6							
88/ 87									.1		.4		.3	.7	.4	.7	19	19							
86/ 85									.1		.4	.3	.7	.5	.7	.3	22	22							
84/ 83								.1	.3	.1	.4	.5	.5	.5	1.1	.5	31	31							
82/ 81								.1		.5	.3	.7	.9	.4	.4	.1	.3	28	28						
80/ 79						.1	.4	.7	.7	.4	.4	.8	.8	1.3	.3	.1	45	45							
78/ 77						.4	.5	.5	.5	1.5	1.1	.4	.5	.3	.5	.1	48	48							
76/ 75			.3	.3	.5	.9	.7	.5	.7	.5	.8	.7	.3	.1			47	47							
74/ 73			.4	1.1	.7	.4	.7	1.2	.4	1.2	.8	.3	.1				54	54							
72/ 71			.1	.9	.5	.9	1.6	1.5	1.3	.9	.4		.5				66	66	1						
70/ 69			1.1	.7	1.5	1.2	1.6	1.1	.8	.9	.4						69	69	5						
68/ 67		.1	.3	.4	.8	.7	.9	.5	.4	.5	.5	.3					41	41	25	2					
66/ 65		.7	1.2	.8	1.2	.9	.4	.9	.4	.1	.1						51	51	37	7					
64/ 63			.7	.9	.8	.5	.5	.5	.7	.1							36	36	50	17					
62/ 61		1.6	.8	1.1	.3	.9	.4	.7	.3	.5	.1						50	50	61	12					
60/ 59		1.1	1.1	.1	.3	.4	.7	.7	.3								34	34	96	34					
58/ 57		.8	.3	.4	.7	.4	.4										22	22	104	51					
56/ 55		1.2	.1	.4	.4	.4	.4	.1									20	20	92	35					
54/ 53		.8	.7	.1	.1	.1	.1										15	15	89	59					
52/ 51		.8	.3	.3	.1	.1											12	12	55	43					
50/ 49				.1		.1											2	2	50	48					
48/ 47		.1		.1													2	2	32	52					
46/ 45																		2	22	33					
44/ 43																			6	46					
42/ 41																			6	33					
40/ 39		.4															3	3	1	28					
38/ 37																			3	31					
36/ 35	.4	.4															6	6	3	37					
34/ 33																			3	31					
32/ 31																				48					
30/ 29																				20					
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27047 AMARILLO MAP TX 74-81 MAY  
 STATION STATION NAME YEARS MONTH

PAGE 2 1800-200  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po	
26/ 27																						1
26/ 25																						
24/ 23																						1
22/ 21																						
20/ 19																						
18/ 17																						1
16/ 15																						
14/ 13																						
12/ 9																						
8/ 7																						
4/ 3																						
<b>TOTAL</b>	.4	7.4	5.0	7.8	6.6	9.0	9.6	9.0	8.2	7.3	6.1	5.7	4.6	4.0	4.2	1.8	3.2		741		74	
																			741		741	
<b>Element (X)</b>	<b>Z<sub>x</sub><sup>2</sup></b>	<b>Z<sub>x</sub></b>		<b>X</b>	<b>σ<sub>x</sub></b>	<b>No. Obs.</b>		<b>Mean No. of Hours with Temperature</b>														
Rel. Hum.	1931157	33523		45.22	3.669	741		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	<b>Total</b>								
Dry Bulb	3756121	52221		70.51	0.129	741				61.2	39.2	17.9	.8									
Wet Bulb	2375444	41704		56.3	6.186	741				3.9												
Dew Point	1547914	32618		44.01	2.308	741			17.8	.3												

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 74-81 MAY  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
82/ 81							.1	.1		.1	.1							2	2																
80/ 79							.1	.1		.1	.3							6	6																
77/ 77					.1		.3	.1	.1	.7				.1	.3	.4		15	15																
76/ 75					.3	.7	.1	.9	.3	.1	.3	.3	.1	.1				24	24																
74/ 73			.1	.3	.7	.3	.4	.1	.5	.4	.4	.4	.5					31	31																
72/ 71				.3	.4	.7	.5	.5	.4	.1		.3		.1				25	25																
70/ 69		.3	.7	1.5	.7	.5	.5	.4	.7	.4	.4	.4						48	48	2															
68/ 67			1.5	.7	.7	.9	.9	.3	.8	.4	.4	.4	.3					54	54	9	2														
66/ 65		.3	1.2	.5	1.1	1.3	1.2	.1	1.5	.4	.7	.1						63	63	26	7														
64/ 63		.3	1.6	1.6	1.8	.4	1.1	.9	.7	.1	.1							64	64	31	12														
62/ 61		1.1	1.8	2.7	1.5	1.2	.7	1.1	.7									79	79	46	17														
60/ 59		2.6	.9	3.0	1.5	.7	.8	.3	.1	.3								75	75	54	39														
58/ 57	.1	2.7	2.2	1.1	.9	.7	.3	.5	.1									64	64	79	49														
56/ 55	.3	1.3	1.9	.7	.9	.1	.5	.3	.1									46	46	85	46														
54/ 53	.1	2.0	.5	1.2	.3	1.3	.8	.1										48	48	87	54														
52/ 51		1.2	.8	.3	.8	.1	.3	.3										28	28	71	75														
50/ 49	.1	1.6	.5	.1	.5	.4		.1										26	26	76	60														
48/ 47		.4	.7	.7	.5	.1	.1											19	19	55	54														
46/ 45		.3		.7	.1													8	8	34	36														
44/ 43		.1	.3	.3														5	5	35	38														
42/ 41		.1	.1															2	2	20	31														
40/ 39																				15	26														
38/ 37		.1																1	1	6	21														
36/ 35	.1	.4																4	4	4	43														
34/ 33	.4	.1																4	4	6	27														
32/ 31																					33														
30/ 29																					17														
28/ 27																					7														
26/ 25																					9														
24/ 23																					7														
22/ 21																					15														
20/ 19																					4														
18/ 17																					6														
16/ 15																					4														
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 74-81 MAY  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
12/ 11																					1	
5/ 7																					1	
TOTAL	1.2	15.0	14.8	15.5	12.8	9.6	8.2	6.9	5.5	3.6	2.6	2.0	1.1	.5	.5		741	741	741	741		
Element (X)	Z <sub>1</sub>	Z <sub>x</sub>	X	e <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	3114571	45121	60.9	22.272	741	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93										
Dry Bulb	2858786	45612	61.6	8.314	741			25.7	9.8	.5		93										
Wet Bulb	2138717	39479	53.3	6.912	741			1.4				93										
Dew Point	1643406	33896	45.7	11.203	741		13.1	.3				93										

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23547 AMARILLO MAP TX 74-81 MAY  
 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			
98/ 97																	.1	7	7					
96/ 95																	.0	.1	7	7				
94/ 93															.0	.1	.3	26	26					
92/ 91											.0	.1	.1	.1	.1	.1	.3	37	37					
90/ 89										.0	.1	.1	.1	.1	.2	.1	.3	52	52					
88/ 87									.1	.1	.2	.1	.1	.2	.3	.3	.3	81	81					
86/ 85									.1	.2	.2	.2	.3	.4	.2	.2	.2	102	102					
84/ 83								.1	.2	.1	.2	.3	.3	.4	.3	.0	.2	120	120					
82/ 81						.1	.1	.2	.3	.2	.4	.2	.2	.4	.5	.1	.0	.1	137	137				
80/ 79					.1	.1	.2	.4	.4	.3	.4	.3	.5	.4	.1	.1	.1	184	184					
78/ 77				.1	.4	.4	.4	.4	.6	.3	.3	.4	.2	.1	.0			210	210					
76/ 75			.0	.3	.4	.4	.7	.4	.4	.4	.4	.2	.1	.1	.0			228	228					
74/ 73		.0	.1	.8	.4	.5	.7	.6	.3	.4	.3	.2	.1					257	257					
72/ 71	.0	.1	.5	.4	.8	.9	.6	.6	.5	.2	.2	.1	.1	.0				306	306	6				
70/ 69	.1	.3	.6	.7	.6	.5	.6	.6	.4	.3	.2	.1	.1	.0				297	297	39	1			
68/ 67	.2	1.0	.5	.6	.8	.5	.6	.4	.4	.3	.2	.1	.0					323	323	150	13			
66/ 65	.4	1.2	.7	.8	.8	.8	.3	.6	.3	.2	.1	.0						372	372	263	39			
64/ 63	.0	.5	1.4	1.2	.8	.6	.4	.5	.5	.2	.1							365	365	339	126			
62/ 61	.0	1.7	1.2	1.4	.8	.8	.5	.7	.3	.2	.0	.0						461	461	441	190			
60/ 59	.1	2.1	1.6	1.0	.8	.6	.6	.5	.2	.1	.0							451	451	576	285			
58/ 57	.1	2.4	1.3	.8	.8	.5	.6	.4	.1									409	409	692	370			
56/ 55	.1	1.7	1.5	.8	.7	.4	.4	.1	.1	.0								349	349	627	418			
54/ 53	.2	2.0	.8	.6	.4	.6	.3	.1	.1									299	299	599	482			
52/ 51	.1	1.1	1.0	.6	.4	.3	.2	.1										218	218	506	446			
50/ 49	.1	1.1	.8	.4	.4	.3	.2	.1										192	192	409	390			
48/ 47	.1	.5	.6	.5	.2	.1	.1											121	121	377	403			
46/ 45	.1	.4	.5	.4	.2	.1												108	108	273	342			
44/ 43		.3	.4	.3	.1	.1												71	71	198	336			
42/ 41		.1	.3	.1		.1												35	35	149	268			
40/ 39	.1	.3	.2	.0														40	40	105	245			
38/ 37	.1	.3	.1		.0													29	29	92	228			
36/ 35	.2	.2	.0															25	25	52	295			
34/ 33	.3	.2																26	26	40	255			
32/ 31	.0																	1	1	12	263			
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

27047 AMARILLO MAP TX

74-81

YEARS

MAY

MONTH

PAGE 2

ALL

HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																			
30/ 29																																				1	132			
29/ 27																																						89		
25/ 25																																						55		
24/ 23																																						57		
22/ 21																																						53		
20/ 19																																						35		
18/ 17																																						30		
16/ 15																																						29		
14/ 13																																						21		
12/ 11																																						13		
10/ 9																																						8		
8/ 7																																						11		
6/ 5																																						3		
4/ 3																																						6		
2/ 1																																						5		
-2/ -3																																						1		
-10/-11																																						1		
-16/-17																																						1		
-18/-19																																						1		
TOTAL	1.6	15.6	14.4	10.6	9.3	8.6	7.5	7.2	5.7	4.2	3.2	2.8	2.6	2.3	1.6	1.0	1.8																			5946	5946	5946	5946	
																																					5946		5946	
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																																		
Rel. Hum.	23373283	342243	57.6	24.861	5946	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																												
Dry Bulb	25385592	382246	64.3	11.690	5946		.1	297.0	181.2	83.8	5.0	744																												
Wet Bulb	17845257	322683	54.3	7.491	5946		1.6	24.4				744																												
Dew Point	13145481	271125	45.6	11.475	5946	.5	101.9	1.8				744																												

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23-47 AMARILLO MAP TX 73-80 JUN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0000-0200  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87												.1						1	1		
86/ 85										.1								1	1		
84/ 83									.4	.3	.1			.1				7	7		
82/ 81								.8	.4	.1	.1	.1	.1					13	13		
80/ 79							.3	.6	1.5	1.0	.8	.1	.3					33	33		
78/ 77						.1	1.4	1.0	1.4	.6	.4							35	35		
76/ 75				.4	1.3	1.8	1.0	.6	.4	.3	.1							42	42		
74/ 73			.3	1.3	2.4	1.1	.7	.4	1.1		.1							53	53		
72/ 71		.3	1.3	2.5	2.5	.8	.3	.7	.6	.1								65	65		
70/ 69	.1	1.4	3.6	1.0	1.9	1.1	.7	.3										73	73	1	1
68/ 67	.4	4.6	1.8	2.4	1.4	1.3	.4	.7										93	93	17	
66/ 65	.7	2.9	1.1	1.3	1.7	1.7	.4	.3										72	72	95	10
64/ 63	1.0	1.9	1.3	.8	.4	.4	.4											45	45	123	39
62/ 61	3.2	1.9	1.4	.6	1.0													58	58	108	60
60/ 59	.1	3.2	1.4	1.0	.4	.3	.3	.1										49	49	95	106
58/ 57	2.2	1.1	.7	.1	.1	.8												37	37	89	75
56/ 55	.7	1.0	.3	.1		.1												16	16	72	100
54/ 53	1.4	.6	.3	.3	.3													20	20	51	77
52/ 51	.1																	1	1	36	51
50/ 49	.7																	5	5	12	48
48/ 47	.1																	1	1	12	33
46/ 45																				7	28
44/ 43																				2	37
42/ 41																					13
40/ 39																					12
38/ 37																					9
36/ 35																					10
34/ 33																					8
32/ 31																					3
TOTAL	.1	13.9	17.1	12.9	11.1	13.3	11.1	5.6	6.7	4.4	2.2	.7	.6	.3				720	720	720	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3217851	46100	64.0	19.199	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3333200	4871	67.7	7.202	720			52.0	23.1	4.3		90
Wet Bulb	2562100	42806	59.5	4.886	720			2.3				90
Dew Point	2115423	38687	53.7	7.144	720		.4	.1				90

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23 47 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS JUN MONTH  
 PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
82/ 81											.1						.1														1	1					
80/ 79											.1													.1								2	2				
78/ 77										.1	.4	.1	.3										.1								8	8					
76/ 75						.3	.4	2.4	1.4		.3	.3	.1																		37	37					
74/ 73				.1	.8	.8	1.1	.6	.1	.4																					29	29					
72/ 71				.6	1.5	1.4	1.3	.4	.7	.1																					43	43					
70/ 69		.1	1.3	2.6	2.9	1.1	1.0	.3	.6																						71	71					
68/ 67		.1	3.3	3.2	1.5	1.3	.6	1.0																							79	79	10				
66/ 65		2.1	6.3	2.2	1.4	1.4	.6	.1	.1																					102	102	37	7				
64/ 63		1.9	2.2	2.6	1.3	1.0	1.4	.1																						76	76	110	37				
62/ 61	.3	2.9	1.4	1.1	1.7	1.5	.1	.4			.1																			69	69	137	47				
60/ 59		4.0	2.1	.7	1.3	.4		.1	.1		.1																			63	63	84	113				
58/ 57	.3	2.9	1.3	1.0	.4	.1	.6																							47	47	82	88				
56/ 55	.7	2.5	.8	.7	.3	.4	.4																							42	42	93	104				
54/ 53		2.5	.4	.7	.3	.4																								31	31	55	69				
52/ 51		.6	.7	.4	.1																									13	13	54	44				
50/ 49		.3			.1																									3	3	20	54				
48/ 47		.4																												3	3	18	35				
46/ 45		.1																												1	1	11	36				
44/ 43																																8	26				
42/ 41																																1	25				
40/ 39																																		8			
38/ 37																																		5			
36/ 35																																		6			
34/ 33																																		6			
32/ 31																																		2			
26/ 25																																			2		
TOTAL	1.3	20.6	19.7	16.0	13.9	10.3	9.4	4.9	1.9	1.3	.4	.3	.1																					720	720	720	
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.	3765914		50528		70.2		17.491		720		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total														
Dry Bulb	3014976		46364		64.4		6.394		720						33.8		9.6		.1				90														
Wet Bulb	2450080		41838		58.1		5.133		720						1.3								90														
Dew Point	2103080		38576		53.6		7.102		720				1.0										90														

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

73-80  
 YEARS

YEARS

JUN  
 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			
85/ 85													.1							1	1			
83/ 83									.1											1	1			
81/ 81									.1	.3										4	4			
79/ 79								.3	.3	.3										9	9			
77/ 77				.1				1.0	.4	.1	.1									13	13			
75/ 75				.1	.6	1.5	1.7	.6	.4	.6	.1	.1								41	41			
73/ 73				.7	1.5	1.7	1.5	.3	.4		.1									45	45			
71/ 71				2.5	1.9	2.2	.4	.8	.7		.1									63	63	1		
69/ 69			1.8	2.5	1.9	1.1	.8	.8	.1	.1										67	67	3	1	
67/ 67		.8	4.2	2.9	3.1	1.3	.7	.6	.4											100	100	24		
65/ 65		1.3	3.8	2.6	1.7	1.0	1.5		.1											86	86	72	17	
63/ 63	.3	2.1	3.2	1.9	1.3	.6	.1	.1	.1											70	70	116	40	
61/ 61		1.8	1.9	1.9	1.4	1.0	.4	.1												62	62	123	78	
59/ 59	1.0	3.8	1.1	1.1	.7	.1	.1	.1												58	58	87	100	
57/ 57	.1	2.1	.8	.4	.3	.1	.3	.1												31	31	90	109	
55/ 55	.7	1.9	1.1	.6		.3	.3													35	35	71	98	
53/ 53		2.2	.4		.1															20	20	56	51	
51/ 51	.1	.1	.4	.1	.4															9	9	38	51	
49/ 49		.3	.1																	3	3	14	44	
47/ 47		.1																		1	1	10	31	
45/ 45		.1																		1	1	6	30	
43/ 43																						7	26	
41/ 41																							7	
39/ 39																							4	
37/ 37																							9	
35/ 35																							6	
33/ 33																							4	
31/ 31																							2	
29/ 29																							3	
27/ 27																							1	
TOTAL	2.2	16.7	18.9	17.6	14.9	10.8	9.2	4.3	2.8	1.3	.8	.4	.1							720	720	720	720	
Element (X)	Σx²		Σx		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Num.	3679041		49959		69.4		17.192		720		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	3148799		47379		65.8		6.573		720				43.0	14.3	1.4			90						
Wet Bulb	2543303		42637		59.2		5.062		720				3.5					90						
Dew Point	2182280		39326		54.6		6.908		720			.8	.1					90						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2747 AMARILLO MAP TX 73-80 JUL 1990-1198  
 STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

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												
98/ 97																	.1												1	1		
96/ 95																												.3	2	2		
94/ 93													.1												.1			.1	4	4		
92/ 91												.4	.3												.3		.1	13	13			
90/ 89												.3	.8	.6										.1		.6	.1	18	18			
88/ 87												.1	1.3	1.0	.6									.4	.3	.1	.3	29	29			
86/ 85											.1	.1	.8	1.5	1.3	1.8								.3		.3	45	45				
84/ 83											.4	1.8	1.7	1.9	.3	1.0										.1	52	52				
82/ 81										.3	1.5	2.9	2.1	1.1	.4	.4								.3			65	65				
80/ 79										1.0	2.8	3.2	1.3	1.4	.8	.3	.6	.3								.3	83	83				
78/ 77				.3	.6	2.1	2.4	1.8	1.1	.6				.4	.1	.1											68	68				
76/ 75				.4	1.7	1.8	1.4	2.2	1.0	.4	.6	.1	.3														71	71				
74/ 73				.8	3.5	1.7	.8	1.3	.6	.3	.1	.1															66	66	1			
72/ 71			.3	1.4	1.8	1.0	1.3	.8	.3	.1																	50	50	19			
70/ 69			.8	1.0	1.3	.6	1.1	.8																			41	41	73	2		
68/ 67			.7	1.3	1.0	.6	.1	.1	.1																		28	28	135	4		
66/ 65		.4	1.0	.6	.3	.7	.6	.1	.3																		28	28	141	23		
64/ 63			.4	.7	.6	.3		.1																			15	15	92	76		
62/ 61		1.0	.3	.1	.4	.1	.1																				15	15	85	90		
60/ 59	.1	.3	.3	.1	.3																						8	8	58	109		
58/ 57		.8																									6	6	48	89		
56/ 55		.1		.1																							2	2	32	68		
54/ 53		1.3		.1																							10	10	20	49		
52/ 51																														12	51	
50/ 49																														4	40	
48/ 47																															43	
46/ 45																															24	
44/ 43																															11	
42/ 41																															7	
40/ 39																															7	
38/ 37																															10	
36/ 35																															5	
34/ 33																															4	
32/ 31																															4	
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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

73-80

JUN

STATION

STATION NAME

YEARS

MONTH

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		
25/27																						4	
TOTAL	.1	3.9	3.8	6.9	11.3	10.0	12.6	15.4	9.3	9.0	5.3	5.8	2.4	2.2	.8	.7	.4		720		720		
																			720		720		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total												
Rel. Hum.	2114096	36956	51.3	17.382	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	4258536	55070	76.5	8.037	720			79.5	64.6	34.4	.9	90											
Wet Bulb	2928952	45796	63.6	4.726	720			28.5	.1			90											
Dew Point	2259248	39988	55.6	7.304	720		1.0	.8				90											

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX

73-80

JUN

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	1	1		
104/103																	.3	2	2		
102/101																	.4	3	3		
100/ 99																.1	.4	.8	10	10	
98/ 97																.4	.7	.4	14	14	
96/ 95															.7	1.5	.7	1.1	.4	32	32
94/ 93													.7	1.4	1.9	1.4	.7	.1	.4	45	45
92/ 91								.1			1.3	1.5	1.4	1.9	1.1	.3	.6	.6	.6	59	59
90/ 89										1.0	1.9	2.6	2.2	1.1	.3	.6	.1	.1	.1	71	71
88/ 87								.3	.6	1.8	1.8	1.7	.8	.3	.6					56	56
86/ 85							.3	1.4	1.8	3.2	2.4	.8	1.0	.6	.3	.1				85	85
84/ 83							.3	.6	2.2	1.3	.4	.4	.4	.8	.3	.1				48	48
82/ 81						.4	1.4	1.1	1.8	1.7	.4	.4	.1	.1	.1					58	58
80/ 79						.1	.7	1.9	1.4	.8	2.2	.6	.1	.1	.3					60	60
78/ 77					.4	1.5	.6	.4	1.1	.6	.3	.3		.3						41	41
76/ 75					.6	1.0	1.0	.7	.6	.1	.3									30	30
74/ 73				.1	1.0	.6	.3	.3	.4	.4	.1									25	25
72/ 71			.1	.7	1.3	.7	.4	.7	.6	.3	.1									35	35
70/ 69			.4	.1	.4		.1	.3												11	11
68/ 67			.1	.4	.1		.3	.3												7	7
66/ 65			.1			.3														3	3
64/ 63		.3				.1														3	3
62/ 61		.6	.1	.1																6	6
60/ 59		.1	.4																	4	4
58/ 57		.3																		2	2
56/ 55		.8	.1																	7	7
54/ 53		.1	.1																	2	2
52/ 51																					5
50/ 49																					
48/ 47																					
46/ 45																					
44/ 43																					
42/ 41																					
40/ 39																					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma_x$	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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 JUN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
98/ 97																.1		1	1						
96/ 95																.3		2	2						
94/ 93												.1		.1	.1	.1	.1	4	4						
92/ 91												.4	.3	.7	.3	.1		13	13						
90/ 89										.3	.8	.6	.1	.6		.1		18	18						
88/ 87								.1	1.3	1.0	.6	.4	.3	.1	.3			29	29						
86/ 85							.1	.1	.8	1.5	1.3	1.8	.3		.3			45	45						
84/ 83							.4	1.8	1.7	1.9	.3	1.0		.1				52	52						
82/ 81						.3	1.5	2.9	2.1	1.1	.4	.4	.3					65	65						
80/ 79						1.0	2.1	3.2	1.3	1.4	.8	.3	.6	.3				83	83						
78/ 77				.3	.6	2.1	2.4	1.8	1.1	.6		.4	.1	.1				68	68						
76/ 75			.4	1.7	1.8	1.4	2.2	1.0	.4	.6	.1	.3						71	71						
74/ 73			.8	3.5	1.7	.8	1.3	.6	.3	.1	.1							66	66	1					
72/ 71			.3	1.4	1.8	1.0	1.3	.8	.3	.1								50	50	19					
70/ 69			.8	1.0	1.3	.6	1.1	.8		.1								41	41	73	2				
68/ 67			.7	1.3	1.0	.6	.1	.1	.1									28	28	135	4				
66/ 65		.4	1.0	.6	.3	.7	.6	.1	.3									28	28	141	23				
64/ 63		.4	.7	.6	.3	.3	.1	.1										15	15	92	76				
62/ 61		1.0	.3	.1	.4	.1	.1											15	15	85	90				
60/ 59	.1	.3	.3	.1	.3													8	8	58	109				
58/ 57		.8																6	6	48	89				
56/ 55		.1		.1														2	2	32	68				
54/ 53		1.3		.1														10	10	20	49				
52/ 51																				12	51				
50/ 49																				4	40				
48/ 47																					43				
46/ 45																					24				
44/ 43																					11				
42/ 41																					7				
40/ 39																					7				
38/ 37																					10				
36/ 35																					5				
34/ 33																					4				
32/ 31																					4				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

23047 AMARILLO MAP TX 73-80 JUN MONTH  
 STATION STATION NAME YEARS

PAGE 1 1200-10 HOURS (L.S.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew
100/105																	.1	1	1		
104/103																	.3	2	2		
102/101																	.4	3	3		
100/99															.1	.4	.8	10	10		
98/97														.4	.7	.4	.4	14	14		
96/95												.7	1.5	.7	1.1	.4	.4	32	32		
94/93										.7	1.4	1.9	1.4	.7	.1	.4	.4	45	45		
92/91								.1		1.3	1.5	1.4	1.9	1.1	.3	.6	.6	59	59		
90/89									1.0	1.9	2.6	2.2	1.1	.3	.6	.1	.1	71	71		
88/87							.3	.6	1.8	1.8	1.7	.8	.3	.6	.6	.1	.1	56	56		
86/85							.3	1.4	1.8	3.2	2.4	.8	1.0	.6	.3	.1	.1	85	85		
84/83							.3	.6	2.2	1.3	.4	.4	.4	.8	.3	.1	.1	48	48		
82/81						.4	1.4	1.1	1.8	1.7	.7	.7	.1	.1	.1	.1	.1	58	58		
80/79				.1	.7	1.9	1.4	.8	2.2	.6	.1	.3	.3	.3	.3	.1	.1	60	60		
78/77				.4	1.5	.8	.4	1.1	.6	.3	.3	.3	.3	.3	.3	.1	.1	41	41		
76/75				.6	1.0	1.0	.7	.6	.1	.3	.3	.3	.3	.3	.3	.1	.1	30	30	1	
74/73			.1	1.0	.8	.3	.3	.4	.4	.1	.1	.1	.1	.1	.1	.1	.1	25	25	6	
72/71		.1	.7	1.3	.7	.4	.7	.6	.3	.1	.1	.1	.1	.1	.1	.1	.1	35	35	68	
70/69		.4	.1	.4	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	11	11	122	
68/67		.1	.4	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	7	7	147	
66/65		.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	3	3	129	
64/63	.3	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	3	3	80	
62/61	.6	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	6	6	57	
60/59	.1	.4	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	4	4	42	
58/57	.3	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	2	2	29	
56/55	.8	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	7	7	22	
54/53	.1	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	2	2	12	
52/51	.1	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3			5	
50/49																					
48/47																					
46/45																					
44/43																					
42/41																					
40/39																					
Element (X)	Σ X <sup>2</sup>		Σ X		X̄	s <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature							Tot					
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
AMARILLO MAP, TEXAS. REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC (11)  
DEC 81

UNCLASSIFIED

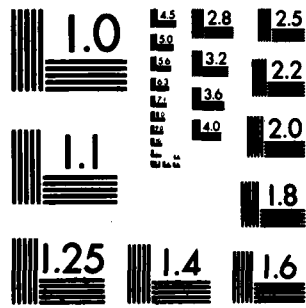
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX STATION NAME

73-80 YEARS

JUN MONTH

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
35/ 37																					12
36/ 35																					11
34/ 33																					6
32/ 31																					6
30/ 29																					5
28/ 27																					2
TOTAL		2.2	1.7	1.5	3.9	5.6	6.9	7.1	10.0	12.5	9.9	8.9	8.2	9.2	5.6	3.6	3.3	720	720	720	720
Element (X)	Z <sub>g</sub> <sup>2</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	1335550	28554	39.7	16.809	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	5102261	60277	83.7	8.824	720			86.6	80.0	64.5	13.4	90									
Wet Bulb	3095487	47099	65.4	4.490	720			43.0	.9			90									
Dew Point	2167017	39093	54.3	7.861	720		1.6	.9				90									

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

23C47 AMARILLO MAP TX  
 STATION STATION NAME

73-80  
 YEARS

JUN  
 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
106/105																	.4	3	3		
104/103																	.6	4	4		
102/101																.3	1.1	10	10		
100/ 99															.1	1.3	1.7	22	22		
98/ 97														1.0	1.4	.8	1.0	30	30		
96/ 95													.7	1.3	.8	1.8	.8	39	39		
94/ 93												.6	1.1	1.7	2.8	1.1	.7	57	57		
92/ 91										.8	2.1	2.1	3.5	1.8	.6			78	78		
90/ 89									1.0	1.8	1.9	1.4	.8	1.0	1.1			65	65		
88/ 87							.1	.7	2.4	1.0	.8	.8	.6	.8	.6	.4		59	59		
86/ 85							.8	1.8	2.1	2.2	1.1	1.0	1.0	.3				74	74		
84/ 83						.4	.8	.8	1.9	2.1	1.3	.6	.3	.1				60	60		
82/ 81						.4	1.8	1.0	1.1	.6	.1		.3					38	38		
80/ 79					.8	2.2	.3	1.1	1.4	.6	.3	.3						50	50		
78/ 77					.3	.7	.6	.4	.3	.1	.6	.3	.4					26	26		
76/ 75					.3	.8	1.7	.7	1.0	.1	.3	.3						37	37		
74/ 73					.7	.7		.7	.1									16	16	5	
72/ 71			.3	.4	.4	1.0		.7	.1				1.0					21	21	65	
70/ 69				.3														2	2	133	
68/ 67			.1	.3			.1											4	4	128	2
66/ 65			.1	.1	.4													5	5	135	19
64/ 63		.1	.3	.3														5	5	101	56
62/ 61		.3		.1														3	3	60	59
60/ 59		.3		.1														3	3	43	71
58/ 57		.4																3	3	24	72
56/ 55		.4																3	3	14	67
54/ 53			.4															3	3	9	68
52/ 51																				1	71
50/ 49																				2	58
48/ 47																					44
46/ 45																					31
44/ 43																					18
42/ 41																					16
40/ 39																					17
Element (X)	Σ X <sup>2</sup>		Σ X		X	X	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 JUN  
 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
104/103																	.3	2	2		
102/101																	.3	2	2		
100/99																.3	.6	6	6		
98/97														.4		.8	.8	15	15		
96/95												.1	.6	1.1	.4	.6	.6	18	18		
94/93											.1	.6	1.1	.8	.4	.3	.3	24	24		
92/91										.4	.6	1.4	.8	1.0	1.0	.3	.3	39	39		
90/89										1.0	.8	.8	1.7	1.1	.7			44	44		
88/87								.3	1.4	1.1	2.5	.7	1.5	1.0	.1			62	62		
86/85							.3	.4	1.1	1.1	1.3	1.3	1.5	1.3	.1	.3		62	62		
84/83							.1	1.1	1.5	2.2	1.7	1.3	.4	.4	.7			68	68		
82/81						.1	1.0	1.9	1.0	1.7	1.4	.4	.6	.4				61	61		
80/79						.6	2.2	1.0	2.1	1.1	.7	.4	.3					60	60		
78/77						1.7	1.0	1.0	.8	.7	.6	.4	.1					45	45		
76/75				.3	.8	.7	1.3	2.1	.6	.4	.7							49	49		
74/73			.1	.8	2.2	.6	.8	1.0	.6	.1	.1	.3						48	48	3	
72/71			.1	1.1	1.8	.4	.3	.3	.3	.1								32	32	21	
70/69			.4	.7	.7	.1	.6	.3		.3								22	22	74	
68/67			.1	.8	.3	.1	.4											13	13	126	9
66/65		.1	.8	.6	.3	.1	.1	.1										16	16	124	13
64/63		.3	.3	.3	.3													8	8	132	48
62/61		.6	.1															5	5	98	77
60/59		.7	.1															6	6	58	74
58/57		.6																4	4	42	59
56/55		.7	.1															6	6	22	66
54/53			.1															1	1	13	77
52/51			.3															2	2	4	53
50/49																				2	46
48/47																				1	47
46/45																					37
44/43																					21
42/41																					17
40/39																					24
38/37																					13
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 JUN  
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															
92/ 91													.1																		1	1			
90/ 89												.1	.1										.3	.1				.1			6	6			
88/ 87												.1	.4	.6	.1								.3	.3				.1			12	12			
86/ 85												.1	.1	.6	.3								.3	.1							20	20			
84/ 83											.3	.8	.1	1.3	.4	.8	.1						.4	.8	.1						28	28			
82/ 81											.8	.4	1.7	1.1	1.0	.4	.3														41	41			
80/ 79						.4	1.0	.6	2.1	1.7	1.0	.6			.1															53	53				
78/ 77				.4	1.0	1.4	.7	1.1	.3	.6	.3	.1																		42	42				
76/ 75			.1	1.1	2.2	2.8	1.4	1.0	1.0	.8	.6	.3																		81	81				
74/ 73		.1	.6	1.9	1.8	2.1	2.9	.7	1.0	.6																				84	84				
72/ 71		.6	1.9	1.8	2.1	1.7	1.8	.4	.4																					77	77	2			
70/ 69	.3	1.9	2.1	1.0	1.8	1.0	.7	.1	.4	.1																				68	68	17			
68/ 67	.3	2.6	.8	2.1	.8	1.0	.6	.1	.3																					62	62	60	2		
66/ 65	.3	2.1	.4	.8	.6	.3	.1	.4	.1																					35	35	115	20		
64/ 63	.6	1.0	.8	.3	.3	.3	.4	.6																						30	30	120	36		
62/ 61	1.9	.6	.6	.6	.6	.6	.1																							31	31	111	78		
60/ 59	2.1	1.0	.6	.1																										27	27	106	77		
58/ 57	.7	.3		.3																										9	9	75	72		
56/ 55	.6																													4	4	51	80		
54/ 53	.6																													4	4	32	81		
52/ 51	.4																													3	3	10	63		
50/ 49	.3																													2	2	16	50		
48/ 47																																	5	34	
46/ 45																																		34	
44/ 43																																		25	
42/ 41																																		16	
40/ 39																																		16	
38/ 37																																		5	
36/ 35																																		14	
34/ 33																																		9	
32/ 31																																		8	
TOTAL		7.6	10.1	7.9	10.4	11.5	11.4	10.4	7.9	7.4	7.5	3.9	2.5	1.0	.1	.3																			
																															720		720		720
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	2461643	39599	55.0	19.866	720	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	3820164	52164	72.5	7.541	720			71.9	46.0	17.5		90																							
Wet Bulb	2710213	44051	61.2	4.581	720			9.9				90																							
Dew Point	2104102	38532	53.5	7.643	720		1.0	.3				90																							

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 JUN  
 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
106/105																	.1	4	4	
104/103																	.1	8	8	
102/101																.0	.2	15	15	
100/99															.0	.2	.4	38	38	
98/97														.2	.3	.3	.3	60	60	
96/95													.2	.4	.3	.3	.3	91	91	
94/93												.2	.4	.6	.6	.3	.2	130	130	
92/91								.0		.3	.6	.7	.9	.5	.2	.1	.1	190	190	
90/89									.3	.7	.7	.6	.5	.3	.3	.0	.0	204	204	
88/87							.1	.2	.9	.7	.8	.4	.4	.3	.1	.1	.1	219	219	
86/85						.1	.3	.7	1.0	1.1	.7	.5	.3	.1	.1			288	288	
84/83						.2	.6	.9	1.0	.7	.6	.3	.2	.1	.1			264	264	
82/81						.1	.5	1.1	.9	1.0	.6	.3	.2	.1	.0			281	281	
80/79					.0	.4	1.3	.9	1.2	1.1	.6	.3	.2	.1				350	350	
78/77			.1	.2	.9	1.1	.8	.7	.4	.3	.2	.1	.1					278	278	
76/75			.1	.7	1.2	1.7	1.2	.6	.4	.3	.3	.1	.1					388	388	1
74/73			.0	.4	1.6	1.3	1.0	1.0	.4	.4	.1	.1						366	366	15
72/71			.2	1.2	1.6	1.4	.8	.7	.5	.2	.1							386	386	176
70/69		.1	1.0	1.6	1.1	.8	.7	.5	.1	.1	.0							355	355	423
68/67		.2	2.0	1.4	1.3	.7	.6	.3	.2	.0								386	386	647
66/65		.6	2.1	1.0	.8	.7	.6	.1	.2	.0								347	347	848
64/63	.0	.8	1.2	1.0	.6	.3	.3	.2	.1									252	252	874
62/61	.0	1.5	.8	.7	.6	.5	.1	.1	.0									249	249	779
60/59	.2	1.8	.8	.5	.3	.1	.1	.1	.0									218	218	573
58/57	.1	1.2	.4	.3	.1	.1	.2	.0										139	139	479
56/55	.2	1.0	.4	.2	.1	.1	.1											115	115	377
54/53		1.0	.3	.1	.1	.1												91	91	250
52/51	.0	.2	.2	.1	.1													28	28	160
50/49		.2	.0		.0													13	13	70
48/47		.1																5	5	46
46/45		.0																2	2	24
44/43																				17
42/41																				1
40/39																				95
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      73-80      JUN

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
33/ 37																					85
36/ 35																					76
34/ 33																					55
22/ 31																					46
25/ 29																					13
23/ 27																					10
26/ 25																					3
24/ 23																					1
18/ 17																					1
TOTAL	.5	8.7	9.4	8.6	9.2	8.7	9.3	7.9	6.7	6.9	5.5	4.7	3.6	3.9	2.7	2.0	1.7		5760		5760
																			5760		5760

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	19234601	307643	53.4	22.063	5760			537.6	396.7	246.5	43.2	720
Dry Bulb	32850481	430247	74.7	11.126	5760			157.7	2.0			720
Wet Bulb	22354181	357469	62.1	5.432	5760		9.2	3.5				720
Dew Point	17066769	310447	53.9	7.622	5760							720

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 JUL  
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
86/ 85											.1	.1						2	2		
84/ 83										.1		.4						4	4		
82/ 81								.1	1.1	.5	.8							19	19		
80/ 79							.9	1.3	1.9	1.5	.7	.1						48	48		
78/ 77						.9	.8	3.0	2.6	1.7	.3	.3						71	71		
76/ 75					1.2	2.6	2.6	3.2	2.4	.9	.4							99	99		
74/ 73			.4	1.3	3.0	3.5	3.1	2.7	.7	.1								110	110		
72/ 71		.1	1.2	3.5	3.0	1.5	1.7	.9	.1									90	90		
70/ 69		.3	3.2	5.1	3.5	.9	1.2											106	106	9	1
68/ 67		1.5	6.3	3.0	1.5	.7												96	96	60	8
66/ 65		1.2	3.8	1.6	.4		.3											54	54	167	29
64/ 63		1.9	2.3	.1			.1											33	33	204	85
62/ 61		.9		.1														8	8	176	118
60/ 59		.1	.3															3	3	85	114
58/ 57			.1															1	1	31	105
56/ 55																				9	75
54/ 53																				3	71
52/ 51																					46
50/ 49																					41
48/ 47																					28
46/ 45																					10
44/ 43																					6
42/ 41																					4
38/ 37																					3
TOTAL		6.0	17.6	14.8	12.5	10.1	10.8	11.3	8.9	4.8	2.7	.5						744	744	744	744
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	3111800	46364	62.3	17.306	744	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb	3877125	53585	72.0	4.892	744			80.6	44.1	5.5		93									
Wet Bulb	2960405	46887	63.0	2.740	744			8.6				93									
Dew Point	2469002	42674	57.4	5.358	744			1.1				93									

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 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	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79							.1	.1	.1								3	3			
74/ 77						.1	.3	1.1	.5	.9							22	22			
76/ 75					.4	.5	1.9	2.4	1.9	.1	.1						55	55			
74/ 73				.3	1.2	2.4	3.2	1.9	.3								69	69			
72/ 71		.3	.5	3.0	3.2	4.4	2.8	.8	.3								120	120			
70/ 69		.1	3.6	4.4	4.0	1.7	1.3	.7									119	119	3		
68/ 67		1.5	8.5	4.0	3.0	1.2	.3										137	137	22	4	
66/ 65		4.0	6.5	1.9	1.5	.3											105	105	100	28	
64/ 63		3.5	4.3	1.2	.4												70	70	213	73	
62/ 61		2.8	.4	.3	.3	.3											30	30	212	120	
60/ 59		.9	.1														8	8	121	143	
58/ 57		.5			.1												5	5	49	107	
56/ 55		.1															1	1	18	100	
54/ 53																			3	58	
52/ 51																			3	41	
50/ 49																				42	
48/ 47																				11	
46/ 45																				5	
44/ 43																				9	
38/ 37																				3	
TOTAL		13.8	23.9	15.1	14.1	11.0	9.8	7.0	3.4	1.7	.1						744	744	744	744	
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	3740330	51386	69.1	16.043	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3545507	51265	68.9	4.201	744			65.6	18.6			93									
Wet Bulb	2866576	46138	62.0	2.696	744			3.1				93									
Dew Point	2486275	42859	57.6	4.830	744			.5				93									

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23147 AMARILLO MAP TX 73-80 JUL  
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		
82/ 81							.5	.7	.3	.1								12	12				
80/ 79						.1	.5	.9	.8	.4	.4							24	24				
78/ 77						.7	1.5	.9	.5	.5	.1							32	32				
76/ 75				.1	.8	2.0	2.6	.9	.7									53	53				
74/ 73				1.1	2.6	3.4	2.3	1.1	.5									81	81				
72/ 71		.1	.7	3.4	4.2	4.0	1.7	.3	.5	.1								112	112				
70/ 69		.3	3.5	4.4	4.7	1.6	1.1	.1										117	117	6			
68/ 67		1.5	6.0	3.1	2.2	1.2	.4		.1									108	108	46	4		
66/ 65		5.1	5.2	2.2	.9	.3												102	102	164	29		
64/ 63	.3	4.3	3.4	.7	.4													67	67	214	113		
62/ 61	.4	2.3	.7	.1	.1													27	27	171	121		
60/ 59			.3	.1														3	3	90	157		
58/ 57	.3	.1	.1	.1														5	5	38	112		
56/ 55		.1																1	1	10	67		
54/ 53																				3	43		
52/ 51																				2	37		
50/ 49																					19		
48/ 47																					9		
46/ 45																					9		
44/ 43																					2		
42/ 41																					1		
38/ 37																					1		
TOTAL	.9	13.8	19.9	15.3	15.9	13.3	10.1	4.8	3.9	1.3	.7							744	744	744	744		
Element (X)	Σ x <sup>2</sup>	Σ x		$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	3762464	51586		69.3	15.809	744		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	3633004	51868		69.7	4.787	744				67.4	25.3	2.5		93									
Wet Bulb	2937857	46707		62.8	2.764	744				6.5				93									
Dew Point	2562269	43537		58.5	4.432	744				.5				93									

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMAR

STATION 23747 AMAPILLO MAP TX STATION NAME 73-80 YEARS JUL MONTH  
 PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Po
98/ 97															.1			1	1		
96/ 95														.1		.1		2	2		
94/ 93													.4	.4	.5			10	10		
92/ 91										.1	1.2	1.1	1.2	.3			29	29			
90/ 89										1.9	1.7	1.5	.1				39	39			
88/ 87								.3	.7	2.2	2.8	.7	.5	.1			54	54			
86/ 85								.3	2.8	4.0	1.9	.7	.3				74	74			
84/ 83							.5	3.5	4.0	2.7	1.1	.4					91	91			
82/ 81				.1		.1	1.5	5.1	3.9	.1	.5						85	85			
80/ 79					.5	1.2	4.0	3.5	.4	.1	.1						74	74			
78/ 77					.9	5.8	3.4	1.6	.5	.3							93	93			
76/ 75			.4	3.0	1.5	1.1	.5										48	48	1		
74/ 73				1.2	4.4	1.2		.1		.1							53	53	2		
72/ 71		.1	.5	2.2	1.1	.4	.3										34	34	42		
70/ 69			1.3	1.7	.5	.1											28	28	146		
68/ 67		.3	1.3	.3													14	14	269	1	
66/ 65		.4	.8														9	9	188	5	
64/ 63		.5	.1														5	5	64	13	
62/ 61		.1															1	1	29	14	
60/ 59																			2	16	
58/ 57																				1	10
56/ 55																					4
54/ 53																					3
52/ 51																					3
50/ 49																					1
48/ 47																					
46/ 45																					
44/ 43																					
TOTAL		1.5	4.2	5.9	10.5	10.3	10.8	14.9	12.4	9.5	8.5	4.7	3.8	2.0	.9	.1		744	744		74
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature					Total									
Rel. Hum.	2127504	38126	51.2	15.292	744		= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb	4848790	59868	80.5	6.495	744				91.1	81.6	52.6	1.6	9								
Wet Bulb	3345516	49860	67.0	2.347	744				57.5	.4			9								
Dew Point	2656448	44348	59.6	4.179	744				1.5	.1			9								

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23 747 AMARILLO MAP TX 73-80 JUL  
 STATION STATION NAME YEARS MONTH

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

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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
12/101																.1	1.1	9	9		
10/99															.3	.3	.5	8	8		
8/97														.4	1.2	1.3	.9	29	29		
6/95												.4	2.4	1.9	1.6	.1	48	48			
4/93										.3	1.1	3.9	3.6	2.2	.3		84	84			
2/91								.1	.1	1.9	3.9	3.2	1.3	.4			82	82			
8/89								.1	1.9	4.6	4.7	1.2	.3				95	95			
8/87							.1	2.3	3.2	3.4	1.9	1.1					89	89			
6/85						.1	.7	2.4	3.4	2.6	.1						69	69			
4/83						.8	2.4	2.6	1.6		.1	.1					57	57			
2/81						.5	1.9	3.1	.9	.3	.1	.1					52	52			
0/79						.8	2.7	.8	.4	.1							36	36			
7/77						2.3	1.2	.7									31	31			
7/75					.9	1.3	.1	.1									19	19	1		
7/73				.7	1.2	.3											16	16	10		
7/71				.8	.3												8	8	113		
7/69			.4														3	3	235		
6/67			.4	.1													4	4	238	8	
6/65	.3		.1														3	3	112	46	
4/63		.3															2	2	29	97	
2/61																			5	105	
0/59																			1	127	
8/57																				109	
5/55																				103	
5/53																				45	
2/51																				38	
5/49																				39	
4/47																				13	
4/45																				9	
4/43																				5	
TOTAL	.3	.3	.9	1.6	2.4	5.2	6.9	7.9	8.9	10.6	12.8	12.0	9.9	8.1	5.9	3.6	2.7	744	744	744	744
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	1312432		29428		39.6		14.135		744		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	5698506		64912		87.2		6.874		744				92.4	90.5	80.3	22.3	93				
Wet Bulb	3478010		50842		68.3		2.222		744				74.6	1.4			93				
Dew Point	2530439		43239		58.1		4.856		744				1.0				93				

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 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	Dew Point																				
174/103																	.4	3	3																						
172/101																	.1	1.6	13	13																					
170/99															.1	1.1	1.3	19	19																						
98/97														.1	1.9	2.0	1.7	43	43																						
96/95												.8	3.0	3.2	3.0	.1	75	75																							
94/93										.4	2.0	3.8	5.4	2.6	.5	109	109																								
92/91										1.1	5.0	3.2	1.5	.4			83	83																							
90/89								.1	1.1	2.3	2.2	2.4	.5				64	64																							
88/87								.8	2.8	2.3	3.1	.5	.3				73	73																							
86/85							1.2	2.3	3.6	1.3	.5						68	68																							
84/83							.5	2.7	.8	1.7	.3						45	45																							
82/81						.8	1.3	2.4	1.3	1.1							52	52																							
80/79				.1	.1	.7	1.5	.5	.1								23	23																							
78/77					.1	1.6	.4	.4									19	19																							
76/75				.3	.9	.8	.5										19	19																							
74/73				.9	1.6	.3											21	21		9																					
72/71			.5	.4	.1												8	8	103	1																					
70/69			.5	.3													6	6	233	2																					
68/67			.1														1	1	243	9																					
66/65																			131	41																					
64/63																			22	72																					
62/61																			3	84																					
60/59																					113																				
58/57																					85																				
56/55																					118																				
54/53																					73																				
52/51																					49																				
50/49																					48																				
48/47																					23																				
46/45																					15																				
44/43																					8																				
42/41																					1																				
40/39																					1																				
38/37																					1																				
Element (X)	Σ X <sup>2</sup>	Σ X	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																																			Total						
Wet Bulb																																			Total						
Dew Point																																			Total						

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS JUL MONTH

PAGE 2 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
TOTAL			1.2	2.0	3.0	4.2	4.3	7.3	5.5	10.3	7.7	12.8	10.8	10.9	8.2	6.7	5.2	744	744	744	

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature							
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Rel. Hum.	1173257	27451	36.9	14.693	744								
Dry Bulb	5878773	65925	88.6	7.079	744			93.0	91.1	82.5	32.8		93
Wet Bulb	3468608	50776	68.2	2.102	744			73.5	1.1				93
Dew Point	2444664	42460	57.1	5.376	744			1.5					93

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GLOBAL CLIMATOLOGY BRANCH  
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PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 JUL  
 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
102/101																	.1	1	1		
100/ 99																	.7	5	5		
98/ 97																.3	.5	.4	9	9	
96/ 95															.7	1.2	1.9	.4	31	31	
94/ 93									.1		.1	1.5	2.6	1.6	.7	.1		50	50		
92/ 91										.3	2.2	3.1	2.3	1.2	.1			68	68		
90/ 89									.1	1.9	3.4	3.5	1.5	.4				80	80		
88/ 87								.3	1.2	2.8	3.6	2.0	.4					77	77		
86/ 85							.5	1.7	2.7	3.1	1.2	.5	.1					74	74		
84/ 83							.4	2.3	2.8	2.0	1.9	.5						74	74		
82/ 81						.4	1.2	2.7	2.8	1.3	.1	.1						65	65		
80/ 79					.1	.8	3.1	1.6	1.1	.4								53	53		
78/ 77				.3	.7	2.8	.9		.7	.4								43	43		
76/ 75				.5	1.5	1.6	1.3											37	37	1	
74/ 73			.3	1.2	1.5	.8	.3											30	30		
72/ 71			.1	1.5	.9	.5												23	23	34	
70/ 69			.9	1.1		.3												17	17	144	
68/ 67			.4	.3														5	5	236	
66/ 65			.3															2	2	210	
64/ 63																				102	
62/ 61																				17	
60/ 59																					
58/ 57																					
56/ 55																					
54/ 53																					
52/ 51																					
50/ 49																					
48/ 47																					
46/ 45																					
44/ 43																					
42/ 41																					
40/ 39																					
TOTAL			2.0	4.8	4.7	7.3	7.3	7.8	9.1	7.9	10.1	11.2	10.6	7.5	4.7	3.2	1.7	744	744	744	
Element (X)	Σx <sup>2</sup>		Σx		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	1483617		30969		41.6	16.181	744		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	5350142		62872		84.5	7.068	744				92.8	87.1	70.3	12.0	9						
Wet Bulb	3327824		49730		66.8	2.262	744				51.9	.1			9						
Dew Point	2416982		42206		56.7	5.527	744				2.0				9						

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23547 AMARILLO MAP TX 73-80 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
94/ 93														.1				1	1		
90/ 89													.1	.1				2	2		
88/ 87									.1	.3	.4	.3	.1					9	9		
86/ 85								.7	1.3	1.5	.7							31	31		
84/ 83							.3	.8	2.7	2.2	1.3	.5						58	58		
82/ 81						.7	2.3	4.3	4.4	1.7	1.5	.1	.1					113	113		
80/ 79			.1	.1		2.0	2.2	2.3	2.2	1.1	.7	.1						80	80		
78/ 77			.3	.8	2.2	1.6	3.2	3.1	1.3	.8								99	99		
76/ 75			.8	2.6	2.2	1.7	1.3	1.1	.1									73	73		
74/ 73			1.9	5.6	1.7	1.2	.9	.1										86	86	1	
72/ 71		.5	3.6	2.7	1.1	.7	.3		.1									67	67	7	
70/ 69	.1	3.5	3.2	1.3	.4	.4	.1											68	68	30	2
68/ 67	.5	2.0	.9	.5	.3													32	32	124	13
66/ 65	.9	1.2	.7															18	18	224	36
64/ 63	.4	.1	.3															6	6	177	96
62/ 61	.1																	1	1	110	94
60/ 59																				53	93
58/ 57																				16	74
56/ 55																				1	90
54/ 53																				1	70
52/ 51																					58
50/ 49																					53
48/ 47																					24
46/ 45																					17
44/ 43																					13
42/ 41																					6
40/ 39																					1
38/ 37																					4
TOTAL	1.7	7.4	11.8	13.7	7.8	8.3	10.6	11.7	11.7	7.4	5.4	1.9	.5					744	744	744	744
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	2354795	39779	53.5	17.516	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4378406	56928	76.5	5.502	744			89.9	69.0	32.4	.1	93									
Wet Bulb	3088977	47895	64.4	2.779	744			20.3	.1			93									
Dew Point	2435980	42340	56.9	5.969	744			1.9				93									

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 JUL  
 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			
104/103																	.1	3	3					
102/101																	.4	23	23					
100/ 99																.1	.2	.3	32	32				
98/ 97															.1	.4	.5	.4	82	82				
96/ 95														.2	.8	.8	.8	.1	156	156				
94/ 93										.0	.1	.4	1.2	1.5	.9	.2	.0	254	254					
92/ 91									.0	.0	.4	1.5	1.3	.8	.3	.0		262	262					
90/ 89									.0	.4	1.3	1.5	1.1	.3	.1			280	280					
88/ 87								.1	.5	1.2	1.4	1.2	.6	.1				302	302					
86/ 85							.0	.3	1.2	1.0	1.3	.5	.2	.0				318	318					
84/ 83							.3	1.4	1.4	1.3	.7	.3	.1					329	329					
82/ 81				.0		.2	.8	2.0	1.9	1.0	.4	.2	.0	.0				398	398					
80/ 79				.0	.1	.5	1.0	1.4	.9	.6	.3	.1	.0					341	341					
78/ 77				.1	.3	2.0	1.3	1.4	1.0	.6	.2	.0						410	410					
76/ 75				.3	1.4	1.6	1.5	1.1	.8	.2	.1							403	403	3				
74/ 73			.1	1.1	2.6	1.7	1.3	.8	.2	.1								466	466	22	1			
72/ 71		.1	.5	2.3	1.9	1.5	.9	.3	.2	.1								462	462	299	1			
70/ 69		.1	2.1	2.5	1.8	.6	.5	.1										464	464	806	10			
68/ 67		.7	3.1	1.5	.9	.4	.1	.0										397	397	1238	68			
66/ 65	.0	1.4	2.2	.8	.4	.1	.0											293	293	1296	289			
64/ 63	.0	1.4	1.3	.3	.1		.0											183	183	1025	740			
62/ 61	.1	.8	.1	.1	.1	.0												67	67	723	880			
60/ 59		.1	.1	.0														14	14	352	1005			
58/ 57	.0	.1	.0	.0	.0													11	11	135	782			
56/ 55		.0																2	2	38	725			
54/ 53																				10	471			
52/ 51																				5	360			
50/ 49																					308			
48/ 47																					148			
46/ 45																					82			
44/ 43																					51			
42/ 41																					16			
40/ 39																					3			
38/ 37																					12			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ	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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 AUG  
 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
82/ 81								.1	.1							.1		3	3		
80/ 79							.7	.4	.4	.3						.1		14	14		
78/ 77						.9	.9	1.1	.7	.1	.3							30	30		
76/ 75				.1	.7	1.1	2.4	2.2	.3	.3	.4							55	55		
74/ 73		.5	.9	4.6	2.6	3.1	1.7	.8	.1									107	107		
72/ 71	.5	2.6	5.1	4.2	3.0	3.5	.5	.7										149	149		
70/ 69	1.3	1.6	4.0	3.1	2.2	1.2	.1											101	101	17	4
68/ 67	1.7	4.8	1.9	2.2	1.6	.4												94	94	62	23
66/ 65	2.3	3.4	1.5	.9	.8	.1												67	67	137	34
64/ 63	3.9	3.0	.8	.8	.1													64	64	167	75
62/ 61	2.4	1.3	.3	.4	.1													34	34	168	126
60/ 59	.8	.4		.4					.1									13	13	91	126
58/ 57	.1	.5		.1														6	6	63	96
56/ 55		.5				.1												5	5	22	77
54/ 53	.1	.1																2	2	9	73
52/ 51																				5	41
50/ 49																					30
48/ 47																				1	15
46/ 45																				1	12
44/ 43																					4
42/ 41																					5
40/ 39																					1
38/ 35																					1
34/ 33																					1
TOTAL	.3	14.2	17.6	14.8	17.2	12.5	12.4	6.3	3.0	.8	.7	.3						744	744	744	744
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	3653213	50769	68.2	15.942	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3620835	51777	69.6	4.858	744			69.1	26.1	.9		93									
Wet Bulb	2908763	46447	62.4	3.506	744			10.0				93									
Dew Point	2518702	43104	57.9	5.373	744			3.4				93									

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 AUG  
 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	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 77							.1	.3										3	3		
76/ 75					.5	.4	1.2	.8										22	22		
74/ 73				.1	1.3	1.5	1.7	1.1	.1	.4								47	47		
72/ 71		.4	1.3	2.4	1.5	2.4	.9	.3	.5	.1								74	74		
70/ 69		1.7	3.2	4.8	3.2	1.6	.7	.7	.5									123	123	4	1
68/ 67	.1	1.7	4.3	4.4	4.0	1.1	.4	.1										121	121	36	13
66/ 65		3.2	7.8	2.7	2.6	1.3	.3											133	133	84	31
64/ 63	.1	5.9	5.9	1.3	1.2	.3												110	110	151	58
62/ 61	.1	4.7	1.5	.3	.7	.1												55	55	207	136
60/ 59	.1	2.7	1.2	.4	.4													36	36	129	139
58/ 57	.1	.8		.7														12	12	57	109
56/ 55		.3		.3														4	4	48	103
54/ 53		.5																4	4	18	51
52/ 51																				8	27
50/ 49																				2	33
48/ 47																					13
46/ 45																					16
44/ 43																					6
42/ 41																					5
40/ 39																					3
TOTAL	.7	22.0	25.3	17.5	15.5	8.7	5.4	3.2	1.2	.5								744	744	744	744
Element (X)	Σ X <sup>2</sup>		Σ X		X	X	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	4248128		55122		74.1	14.866	744	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb	3333423		49699		66.8	4.269	744			48.8	9.0			93							
Wet Bulb	2806944		45628		61.3	3.416	744			5.0				93							
Dew Point	2501023		42969		57.8	5.109	744			1.8				93							

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX STATION

73-80 YEARS

AUG 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								.3										2	2		
79/ 77					.1	.1	.7	.1		.1	.1							10	10		
76/ 75					.1	.8	.9	.5		.4	.1							22	22		
74/ 73				.8	1.5	2.4	1.2	.3	.3	.1								49	49		
72/ 71		.3	.9	3.0	3.8	2.6	.8	.3	.3									88	88		
70/ 69		.5	3.4	3.0	2.8	1.6	.3	.1	.1									88	88	5	1
68/ 67		2.8	5.2	4.8	2.6	.9	.8	.7	.1									134	134	33	6
66/ 65	.1	3.5	7.4	3.6	2.4	1.3												137	137	112	40
64/ 63		6.2	3.4	1.6	1.2	.3												94	94	143	67
62/ 61	.5	5.4	2.2	.5	1.2	.1												74	74	215	122
60/ 59		2.4	.7	.4	.3													28	28	103	168
58/ 57	.1	.3	.1	.3	.1													7	7	75	114
56/ 55		.7																5	5	34	89
54/ 53		.4	.1															4	4	13	39
52/ 51		.1		.1														2	2	7	35
50/ 49																				3	25
48/ 47																				1	15
46/ 45																					9
44/ 43																					8
42/ 41																					5
38/ 37																					1
TOTAL	.8	22.6	23.4	18.1	16.1	10.2	4.7	2.3	.8	.7	.3							744	744	744	744
																		744		744	

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	4272362	55340	74.4	4.494	744			49.1	10.4			93
Wet Bulb	3351134	49820	67.0	4.503	744			4.8				93
Dew Point	2825401	45777	61.5	3.446	744			.9				93
	2524356	43184	58.0	4.898	744							93

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 AUG  
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
96/ 95																	.1	1	1		
94/ 93																	.1 .1	2	2		
92/ 91														.1	.1	.3	.1	5	5		
90/ 89														.1	.1			14	14		
88/ 87														1.2	1.7	.5	.5	30	30		
86/ 85													.9	3.5	2.0	.8	.3	56	56		
84/ 83							.8	1.7	3.1	2.2	.8	.3					66	66			
82/ 81					.1	.5	1.7	4.0	2.7	1.5	.7						84	84			
80/ 79					.1	1.6	4.8	3.5	2.3	.4							95	95			
78/ 77				.1	1.5	3.5	4.6	2.0	1.3	.1							98	98			
76/ 75				.7	2.8	3.6	1.7	.8	.4			.1					76	76			
74/ 73			.4	1.7	2.3	2.0	.4	.3	.3								55	55	1		
72/ 71		.3	.7	2.2	1.9	.5	.4		.1	.1							46	46	28		
70/ 69		.4	1.3	1.3	1.1	.7											37	37	113		
68/ 67		.7	1.6	.8	.4	.1		.1									28	28	196		
66/ 65		.9	1.3	.3													19	19	198		
64/ 63		1.6	.3	.3													16	16	115		
62/ 61		.3	.3	.3													6	6	50		
60/ 59		.9	.4														10	10	24		
58/ 57																			13		
56/ 55																			4		
54/ 53																			2		
52/ 51																					
50/ 49																					
48/ 47																					
46/ 45																					
42/ 41																					
40/ 39																					
38/ 37																					
36/ 35																					
TOTAL		5.1	6.3	7.7	10.2	12.1	15.2	12.5	11.2	9.0	6.0	2.6	1.1	.4	.4	.1	.1	744	744	744	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	2518616	41510	55.8	16.515	744	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	4502156	57662	77.5	6.688	744			86.6	72.8	38.4	.4	93									
Wet Bulb	3235643	49011	65.9	3.079	744			42.3	.1			93									
Dew Point	2632413	44117	59.3	4.699	744			2.6				93									

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 AUG  
 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			
102/101																	.3	2	2					
100/ 99																	.4	4	4					
98/ 97																.5	.1	5	5					
96/ 95													.4	.8	.3	.8	.5	21	21					
94/ 93											.5	1.7	1.3	.7	.7			37	37					
92/ 91										.8	3.1	3.1	1.7	.5				69	69					
90/ 89								.1	.1	2.0	3.0	5.2	3.0	1.1	.1			109	109					
88/ 87							.1	.1	1.5	3.2	5.2	3.2	1.6					112	112					
86/ 85							.1	1.3	2.6	2.3	2.0	1.2	.3					73	73					
84/ 83						.1	1.1	2.7	2.4	1.9	1.3	.4						74	74					
82/ 81					.1	.8	1.9	2.6	1.3	1.2	.5							63	63					
80/ 79				.4	.9	.9	1.7	1.3	.4	.1	.1			.1	.1			40	40					
78/ 77				.8	2.3	1.5	.7			.1			.1					41	41					
76/ 75			.5	.9	.4	.9	.1											22	22	2				
74/ 73			.3	.5	.7	.8		.1										18	18	14				
72/ 71			.7	.5	.3	.4	.3	.1										17	17	86	1			
70/ 69			.5	.7	.3	.1												12	12	192	5			
68/ 67	.4	.5	.1	.1														9	9	214	23			
66/ 65	.4	.1																4	4	139	53			
64/ 63			.1	.1														2	2	63	83			
62/ 61	.7		.1															6	6	15	96			
60/ 59	.5																	4	4	10	110			
58/ 57																				5	106			
56/ 55																				4	92			
54/ 53																					56			
52/ 51																					47			
50/ 49																					28			
48/ 47																					25			
46/ 45																					7			
44/ 43																					8			
42/ 41																					1			
36/ 35																					1			
34/ 33																					2			
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	≥ 7° F	≥ 80 F	≥ 93 F													
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX  
STATION                      STATION NAME

73-80  
YEARS

AUG  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL		2.0	2.2	2.7	3.8	5.9	7.7	9.1	8.5	10.9	13.0	13.7	10.3	5.1	2.3	1.6	1.2	744	744	744	744	
Element (X)	Σ X <sup>2</sup>		Σ X		X	°X	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	1571662		32018		43.0	16.149	744	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	5370876		62984		84.7	7.236	744			91.0	86.3	73.8	8.6	93								
Wet Bulb	3397008		50226		67.5	2.923	744			63.5	2.0			93								
Dew Point	2526476		43160		58.0	5.531	744			3.6				93								

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 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
14/103																	.1	1	1		
122/101																	.3	2	2		
100/99																.3	.4	8	8		
99/97															.1	.4	.7	11	11		
96/95												.1	1.1	.5	.8	1.1	27	27			
94/93										.3	.5	3.8	2.4	1.5	1.1	.1	72	72			
92/91									.5	1.1	2.7	5.1	3.6	1.2	.1		107	107			
90/89								.3	.4	1.9	4.2	5.1	2.3	1.3	.3		117	117			
88/87								.5	.5	2.8	4.0	2.7	1.2	.1			89	89			
86/85							.1	.5	3.4	2.0	3.0	1.1	.8				81	81			
84/83						.7	.7	.9	1.1	1.2	.9	.4					44	44			
82/81					.1	.4	.5	1.3	1.1	.8				.1			33	33			
80/79					.3	1.2	3.9	1.3	.8	.1			.1				58	58			
78/77				.1	.5	.4	.3	.8	.5	.3			.1				23	23			
76/75				.4	.7	.3	.4	.1									14	14	2		
74/73			.1	.4	1.5	.5	.3										21	21	23		
72/71			.1	.3	.3	.3											7	7	98	1	
70/69			.8	.4	.1												10	10	166	6	
68/67				.7		.3											7	7	192	24	
66/65		.1	.1														2	2	155	32	
64/63		.3	.1														3	3	77	72	
62/61		.5	.3	.1													7	7	21	90	
60/59																				5	97
58/57																				2	95
56/55																				1	106
54/53																				2	63
52/51																					49
50/49																					44
48/47																					26
46/45																					17
44/43																					13
42/41																					3
40/39																					3
32/31																					1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.							$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

27047 AMARILLO MAP TX 73-80 AUG  
 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	
TOTAL		.9	2.3	1.7	3.8	3.8	6.2	5.9	7.8	9.5	13.6	12.5	13.4	9.0	4.2	2.7	2.7		744	744	744	2
																		744		744		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X	Σ X		No. Obs.		Mean No. of Hours with Temperature												
Ref. Num.	1345123		29417		39.5	15.651		744		≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	5583739		64235		86.3	7.138		744				91.5	88.5	78.4	15.1	93						
Wet Bulb	3401933		50261		67.6	2.968		744				60.1	3.1			93						
Dew Point	2444915		42413		57.0	6.038		744			.4	3.9				93						

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 AUG  
 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
170/ 99																.1	.1	1	1		
98/ 97															.1	.3	.3	3	3		
96/ 95														.4	.1	.1	.1	6	6		
94/ 93												.1		.4	.3	.3	.3	10	10		
92/ 91										.1	1.5	1.3		.7	.3	.1		30	30		
90/ 89									.3	1.5	2.6	2.0		.8	.5	.1		58	58		
88/ 87									.3	1.5	3.1	3.2	1.2	.3	.3			73	73		
86/ 85							.3	.5	2.3	3.4	3.0	1.9	1.1	.3	.1			95	95		
84/ 83						.1	.4	2.4	2.4	2.4	3.1	.7	.5					90	90		
82/ 81					.1	.5	1.5	3.0	2.6	1.9	1.3	.3						83	83		
80/ 79			.4	.3	.9	3.1	1.6	1.2	1.2	.4				.1				69	69		
78/ 77			.3	.5	2.7	1.6	1.1	1.5	.3	.1								60	60		
76/ 75			.5	1.1	.7	1.5	1.2	.1	.1		.1							40	40		
74/ 73			.1	.7	1.2	.7	.5	.1				.1						26	26	10	
72/ 71			.5	2.0	.5	.5	.1											28	28	41	4
70/ 69	.1	1.6	1.2	.1	.5			.1			.1							29	29	122	4
68/ 67	.5	1.1	.1	.3														15	15	174	16
66/ 65	.3	.9	.3															11	11	181	46
64/ 63	.5	.7	.3															11	11	119	69
62/ 61	.4																	3	3	68	111
60/ 59	.1	.1																2	2	17	84
58/ 57																				6	100
56/ 55	.1																	1	1	3	81
54/ 53																				1	67
52/ 51																				1	60
50/ 49																				1	45
48/ 47																					13
46/ 45																					20
44/ 43																					12
42/ 41																					6
38/ 37																					1
36/ 35																					2
28/ 27																					2
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										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71



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GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 AUG  
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
8/ 87									.1								.3	3	3	
6/ 85								.1	.1	.1	.3			.1				6	6	
4/ 83								.7	.7	.1	.1	.3						14	14	
2/ 81							.4	1.2	1.9	.5	.1	.8						37	37	
0/ 79					.4	.3	1.3	2.6	2.8	1.2	.7							69	69	
7/ 77				.1	.5	3.0	2.7	3.4	2.3	1.1	.1							98	98	
76/ 75			.4	1.1	3.4	4.4	3.2	2.3	2.7	.7								135	135	
74/ 73			.9	2.0	3.2	2.6	1.6	2.7	.3		.1							100	100	1
72/ 71		.3	1.2	3.1	2.2	2.3	1.5	1.1										86	86	7
70/ 69		.5	2.4	2.0	1.3	.7	1.7											65	65	43
67/ 67		1.1	2.7	1.3	.7	.8	.1											50	50	124
66/ 65		1.2	1.6	.5	.7	.3	.1		.3									35	35	171
64/ 63		.8	.5	.7		.3												17	17	136
62/ 61		1.9	.5	.1				.1										20	20	123
60/ 59	.1	.3	.1															4	4	96
58/ 57		.3	.1															3	3	28
56/ 55																				8
54/ 53	.1	.1																2	2	4
52/ 51																				51
50/ 49																				44
48/ 47																				3
46/ 45																				15
44/ 43																				4
42/ 41																				1
40/ 35																				1
38/ 31																				1
36/ 29																				1
28/ 27																				1
TOTAL	.3	6.5	10.6	11.0	12.4	14.5	12.8	13.3	10.8	4.7	1.3	1.5	.3	.1				744	744	744

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	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	2870298	44508	59.8	16.720	744			82.9	57.8	11.9		93
Wet Bulb	4052826	54762	73.6	5.451	744			21.9	.1			93
Dew Point	3036220	47456	63.8	3.527	744			.4	3.5			93

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

27047 AMARILLO MAP TX 73-80 AUG  
 STATION STATION NAME YEARS MONTH

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

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																	.0	1	1		
102/101																	.1	4	4		
100/99															.1	.1	.1	13	13		
98/97														.0	.1	.1	.1	19	19		
96/95													.1	.3	.1	.2	.2	55	55		
94/93											.0	.2	.7	.5	.3	.3	.1	121	121		
92/91									.1	.3	.9	1.2	.8	.3	.1			211	211		
90/89							.1	.1	.5	1.2	1.7	.9	.4	.1	.0			298	298		
88/87						.0	.1	.3	1.1	1.8	1.2	.6	.1	.0				307	307		
86/85						.1	.3	1.2	1.4	1.3	.7	.3	.1	.0				311	311		
84/83						.1	.4	1.0	1.2	1.0	.8	.2	.1					288	288		
82/81					.1	.3	.8	1.5	1.2	.7	.3	.2		.0				303	303		
80/79			.1	.2	.6	1.9	1.4	1.0	.4	.2	.0	.0	.1					347	347		
78/77			.1	.5	1.6	1.5	1.2	.8	.3	.1	.0	.0	.0					363	363		
76/75		.1	.4	1.3	1.5	1.5	1.0	.4	.2	.1	.0	.0						386	386	4	
74/73		.3	.9	2.0	1.6	1.1	.8	.2	.1	.0		.0						423	423	49	
72/71		.2	1.0	2.3	1.8	1.5	.9	.3	.2	.0								495	495	261	6
70/69		.6	1.9	2.2	1.5	.9	.6	.1	.1		.0							465	465	662	32
68/67	.0	1.1	2.6	1.7	1.3	.6	.2	.1	.0									458	458	1031	143
66/65	.0	1.5	2.8	1.1	.8	.5	.1		.0									408	408	1177	346
64/63	.0	2.4	1.7	.6	.4	.1												317	317	971	606
62/61	.1	2.0	.8	.2	.3	.1		.0										205	205	867	921
60/59	.0	1.0	.4	.1	.1			.0										97	97	475	1008
58/57	.1	.2	.0	.1	.0													28	28	249	791
56/55	.0	.2	.0	.0	.0	.0												15	15	124	691
54/53	.0	.2	.0															12	12	49	447
52/51		.0		.0														2	2	21	342
50/49																				6	268
48/47																				5	139
46/45																				1	101
44/43																					55
42/41																					27
40/39																					8
38/37																					3
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		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																					

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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**PSYCHROMETRIC SUMMARY**

23047 AMARILLO MAP TX 73-80 AUG  
 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	
76/ 35																						6
34/ 33																						3
72/ 31																						2
31/ 29																						3
25/ 27																						3
25/ 25																						1
TOTAL	.3	9.4	11.6	9.9	10.4	9.3	9.2	7.8	6.7	5.9	5.9	5.1	3.9	2.2	1.1	.6	.6	5952	5952	5952	5952	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.	22329535		343379		57.7	20.576	5952		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	34772933		451439		75.8	9.462	5952				608.5	431.3	264.1	26.6	744							
Wet Bulb	24864842		383942		64.5	4.061	5952				250.9	6.6			744							
Dew Point	20110211		344407		57.9	5.521	5952			1.1	22.6				744							

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

2347 AMAPILLO MAP TX 73-80 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
79/79								.1		.3							3	3	
78/77						.1	.1	.1	.4								6	6	
76/75					.1	.7	.4	.6	.4								16	16	
74/73					1.7	.6	1.1	.7		.1							30	30	
72/71				1.7	1.7	1.7	1.3	.1	.3								48	48	
70/69			.7	2.9	2.6	1.1	.6		.4								60	60	
68/67		.1	2.5	2.8	2.2	1.1		1.3	.3								74	74	9
66/65		1.9	1.9	1.7	2.2	1.1	.7	.8	.3	.3							79	79	40
64/63		2.9	1.7	.7	1.1	.8	.6	.4	.3								61	61	92
62/61	.3	3.5	1.5	1.7	1.5	.8	.7	.1									73	73	107
60/59	.4	1.9	1.4	1.7	.7	1.0	.4	.1									55	55	79
58/57	.1	2.2	2.9	1.5	1.0	.6	.3										62	62	63
56/55	.3	1.8	.7	.8	.4	.4	.1										33	33	54
54/53	.1	1.5	1.1	.8	1.0	.3											35	35	73
52/51	.4	1.0	.8	1.0	.4	.1											27	27	67
50/49		2.2	.6	.7		.4											28	28	36
48/47		1.3	.4	.1	.3												15	15	39
46/45		.6	.1		.1												6	6	28
44/43		.7		.1													6	6	18
42/41	.3																2	2	10
40/39	.1																1	1	3
38/37																			2
36/35																			
34/33																			
32/31																			
30/29																			
28/27																			
TOTAL	2.1	21.7	16.4	18.2	17.1	10.8	6.3	4.2	2.2	.8	.3						720	720	720
Element (X)	Σ X²		Σ X		Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.	3759720		50598		70.3	16.842	720		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	2843323		44915		62.4	7.592	720				29.6	6.9	.1		90				
Wet Bulb	2316595		40579		56.4	6.413	720				1.1				90				
Dew Point	1975590		37274		51.8	7.993	720			1.8					90				

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71  
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GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 SEP  
 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	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73					.6			.1	.1									6	6		
72/ 71				1.0		.4	.3	.1										13	13		
70/ 69			.4	2.6	1.4	1.1	.7	.1	.1									47	47		
68/ 67		.1	2.5	2.4	1.1	1.0	.3	.6	.4									60	60	1	
66/ 65		1.7	4.6	2.5	2.1	.1	.1	.8										86	86	30	
64/ 63	.3	3.9	2.2	2.6	.8	.3	.4											76	76	53	30
62/ 61	.6	5.7	1.5	1.8	1.4	.7	.6											88	88	107	57
60/ 59	.1	2.2	1.9	1.3	1.5	.6	.4	.1										59	59	83	94
58/ 57	.1	3.3	3.1	1.4	1.0	.4	.7											72	72	72	55
56/ 55	.4	2.1	2.2	.8	.7	.4	.1											49	49	61	76
54/ 53		1.5	2.8	.7	.3	.3												40	40	66	60
52/ 51		2.9	1.0	1.3		.3												39	39	75	38
50/ 49		3.1	.8	.6	.3													34	34	49	80
48/ 47		1.4	1.4	.1														21	21	45	46
46/ 45		1.0	.4	.7														15	15	31	45
44/ 43		1.0	.3	.3														11	11	24	32
42/ 41	.1	.3																3	3	12	39
40/ 39				.1														1	1	8	26
38/ 37																				2	17
36/ 35																				1	6
34/ 33																					6
32/ 31																					10
30/ 29																					3
TOTAL	1.7	30.1	25.1	20.1	11.1	5.6	3.6	1.8	.8									720	720	720	720

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4309987	54649	75.9	15.013	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2613655	43091	59.8	6.949	720			15.8	.8			90
Wet Bulb	2228881	39793	55.3	6.416	720			.1				90
Dew Point	1968836	37228	51.7	7.818	720		1.6					90

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



# PSYCHROMETRIC SUMMARY

2347 STATION      AMARILLO MAP TX      STATION NAME      73-80      YEARS      SEP      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														
77 / 77							.1	.1																				2	2					
74 / 73				.1	.1	.1	.1																					4	4					
72 / 71				1.1	.4	.1	.4							.1														16	16					
71 / 69		.1	.8	1.7	1.5	.4		.1	.1																			29	29					
67 / 67		.3	3.6	1.7	1.1	.4	.3		.3		.1																	56	56	3				
66 / 65		1.9	4.3	2.2	2.4	.4	.7	.1	.3																			89	89	27	4			
64 / 63		2.9	3.9	1.0	.7	.4	.6	.4																				71	71	55	33			
61 / 61	.8	4.7	2.5	1.1	1.3	.8	.3	.1																				84	84	94	60			
59 / 59	.3	3.8	2.1	1.7	1.4	.8	.1																					73	73	84	73			
57 / 57	.1	3.8	1.8	1.7	.1	.7	.1																					60	60	72	71			
55 / 55	.7	2.5	1.8	.8	.4	1.0	.1																					53	53	69	87			
53 / 53		3.1	2.9	.4	.6	.3																						52	52	64	53			
51 / 51		2.1	1.1	1.0	.3																							32	32	68	34			
49 / 49	.1	3.2	1.8	.6	.4																							44	44	54	65			
47 / 47		1.8	1.1	.4																								24	24	48	61			
45 / 45	.3	1.0	.7	.6																								18	18	39	42			
43 / 43		.3	.6																									6	6	18	35			
41 / 41	.1	.3																										3	3	12	31			
39 / 39		.1	.3																									3	3	10	24			
37 / 37	.1																											1	1	1	20			
35 / 35																														2	8			
33 / 33																															13			
31 / 31																															3			
29 / 29																															2			
25 / 25																															1			
TOTAL	2.6	31.8	29.3	15.1	10.7	5.6	2.9	1.0	.7	.1	.1																				720			
																																720		

Element (X)	Σ X²		Σ X	X̄	Σ X²	No. Obs.	Mean No. of Hours with Temperature					Total
	Dry Bulb	Wet Bulb					≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	4482692	55806	77.5	14.789	720							
Dry Bulb	2570707	42725	59.3	7.016	720			13.4	.8		90	
Wet Bulb	2215761	39665	55.1	6.524	720			.4			90	
Dew Point	1978191	37309	51.8	7.903	720		.8				90	

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 SEP  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91												.1	.1					1	1		
91/ 89												.1	.1			.1		3	3		
88/ 87										.3	.3			.1	.1			6	6		
86/ 85								.3	.1	.6			.3	.1				10	10		
84/ 83							.6	.8	1.1	.8	.6	.3						30	30		
82/ 81						.4	1.0	1.8	1.0	.3	.3	.3	.1					37	37		
80/ 79					.6	1.8	1.7	1.1	.4	.4	.1	.1	.1					46	46		
78/ 77					1.9	1.9	2.5	1.0	1.0	.3	.3							61	61		
76/ 75				.1	1.1	2.6	2.2	.7	1.0	.3	.4	.1						62	62		
74/ 73				.6	2.2	1.1	1.3	.6	1.0	.4	.4	.1						55	55		
72/ 71			.1	1.7	.8	2.1	.8	.7	.1	.1								47	47	4	
70/ 69		.4	.4	1.5	.8	.8	1.0	.4	.3	.1	.3							44	44	21	
68/ 67			1.5	1.4	1.1	1.1	.8	.3	.1	.1								47	47	72	3
66/ 65			1.7	.8	1.1	.7	.1	.1	.3									35	35	104	10
64/ 63		1.7	1.7	.4	1.1	.7	.6	.6	.1									49	49	86	43
62/ 61	.1	2.2	.6	.4	.6	.6	1.1	.4										43	43	90	75
60/ 59	.3	1.4	.3	.1	1.1	.6	.3											29	29	84	88
58/ 57	.1	.6	1.0	.7	.7	.8	.1											29	29	48	74
56/ 55	.3		.8		.4	.7												16	16	43	80
54/ 53		1.1	.6	.7	.3	.1												20	20	26	46
52/ 51	.1	.8	.6	.6	.6													19	19	45	39
50/ 49	.1	1.0	.8		.1													15	15	32	52
48/ 47	.3	.8	.3	.3														12	12	35	48
46/ 45		.3		.1														3	3	22	30
44/ 43			.1															1	1	5	37
42/ 41																				2	23
40/ 39																				1	20
38/ 37																					26
36/ 35																					11
34/ 33																					6
32/ 31																					9
TOTAL	1.4	10.3	10.4	9.4	12.1	14.4	12.1	9.4	7.9	4.7	3.8	1.9	1.0	.7	.3	.1		720	720		720
Element (X)	Σ X²		Σ X		Σ	Σ	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.	2777525		42597		59.2	18.920	720	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	3518531		49827		69.2	9.888	720			56.1	38.9	13.6		90							
Wet Bulb	2582127		42847		59.5	6.704	720			12.1				90							
Dew Point	2056433		38031		52.8	8.137	720		1.1	.4				90							

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 SEP  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
96/ 95														.1	.1	.1	.1	4	4	
94/ 93														.3	.6	.3	.4	12	12	
92/ 91													.6	.8	.7	.4	.8	27	27	
90/ 89										.6	1.3	.8	.8	.1	.6	.1	31	31		
88/ 87									.1	1.1	.6	2.4	2.6	1.0	.8		62	62		
86/ 85								.3	1.3	1.9	2.6	1.7	.7	.1	.3		64	64		
84/ 83							.1	1.7	1.3	2.6	1.8	1.4	.4	.1	.4		71	71		
82/ 81							.3	2.1	2.2	1.5	1.5	.6	.1	.7			65	65		
80/ 79						.1	2.2	1.0	1.1	.4	1.1	.1	.6				48	48		
78/ 77						1.4	1.0	.8	1.1	.1	.4	.1					36	36		
76/ 75				.6		1.3	1.1	.8	.6	.8			.1				38	38		
74/ 73				.1	.4	.4	1.0	1.0	.4	.1	.1						26	26		
72/ 71				.6	.7	.6	.4	1.0	.3	.4	.4						31	31	12	
70/ 69		.1		1.4	1.0	.6	.4	.6	.4	.4							35	35	55	
68/ 67			.6	1.1	.4	.1	.6	.7	.4	.3	.1						31	31	97	
66/ 65			.6	.7	.6	.6	1.0	.3	.6	.1							31	31	122	
64/ 63		.4	.3	.1	.4	.6	.4	.1	.1								18	18	99	
62/ 61	.3	.4	.1	.3	.1	.4	.4										15	15	93	
60/ 59		.6	.1	.7		.4	.3										15	15	52	
58/ 57		.3	.4	.6	.7	.4											17	17	36	
56/ 55		.1	.3	.3	.3	.1	.1										7	7	38	
54/ 53		.3	.4	.3	.3	.1											8	8	34	
52/ 51		.6	.6	.1													9	9	22	
50/ 49	.6	.7	.6	.1													14	14	28	
48/ 47	.4	.3															5	5	23	
46/ 45																			7	47
44/ 43																			2	31
42/ 41																				25
40/ 39																				24
38/ 37																				10
36/ 35																				9
34/ 33																				17
32/ 31																				6
30/ 29																				8
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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      73-80      SEP

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				
24/ 23																									1
22/ 21																									2
TOTAL	1.3	3.8	3.6	6.4	5.1	6.7	8.8	10.3	10.4	10.3	9.3	8.3	6.3	3.9	2.5	2.1	1.1		720	720	720	720			

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1771666	32838	45.6	19.521	720			72.6	60.5	45.3	2.0	90
Wet Bulb	4316576	55176	76.6	11.079	720			20.5				90
Dew Point	2758779	44343	61.6	6.219	720		2.1	.1				90
	1964246	37126	51.6	8.330	720							90

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347 AMAPILLO MAP TX 73-80 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	Dew Point
98/ 97																	.1	1	1		
96/ 95																.6	.4	.6	11	11	
94/ 93												.1	.4	.6	.8	1.0	.7	26	26		
92/ 91												.1	.6	.8	.8	1.3	1.0	33	33		
90/ 89											.4	.4	1.4	1.5	1.8	1.5	.6	.3	57	57	
88/ 87									.1	.6	1.0	2.9	1.7	1.0	1.3	.1		62	62		
86/ 85									1.0	2.6	2.2	1.7	1.3	.7	.4	.3		73	73		
84/ 83								2.4	2.1	1.5	1.1	1.9	1.3	.3	.1			77	77		
82/ 81							.1	1.5	1.9	.7	1.0	.6	.1	.4				46	46		
80/ 79						1.1	.1	1.0	.6	.4	.8							29	29		
78/ 77						.3	.7	1.0	.6	1.0	1.0	.1	.4					36	36		
76/ 75						.4	.7	.8	.7	.6	.3		.1					26	26		
74/ 73					.8	.7	.1	1.3	.7	.6								30	30		
72/ 71				.8	1.4	1.4	.6	1.1	.4	.8								47	47	7	
70/ 69			.3	.3	.8	.3	.6	.3	.3	.6	.4							27	27	46	
68/ 67		.1	.6	.7	1.5	.7	.7	.3	.3									33	33	99	
66/ 65			.6	.1	.6		.3	.7	.3									18	18	116	
64/ 63		.3	.1		.4	.1	1.1	.6										19	19	105	
62/ 61		.3	.1		.6	.3												9	9	98	
60/ 59	.3	.3			.3	.3	.1											9	9	75	
58/ 57	.1	.6			.8	.1												12	12	43	
56/ 55		.4	.3	.3	.1		.1											9	9	28	
54/ 53		.1	.4		.1													5	5	31	
52/ 51		.7	.4	.1														9	9	28	
50/ 49	.3	.7	.8															13	13	28	
48/ 47																				10	
46/ 45	.1																	1	1	4	
44/ 43	.3																	2	2	2	
42/ 41																				38	
40/ 39																				38	
38/ 37																				14	
36/ 35																				14	
34/ 33																				5	
32/ 31																				5	
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27-47 STATION AMARILLO MAP TX 73-80 YEARS SEP MONTH  
 PAGE 1 1600-2000 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				
92/ 91															.3		.1	5	5				
90/ 89												.1	.4	.3	.7	.1		14	14				
88/ 87											.1	.4	.6	.7	.8	.4	.3	24	24				
86/ 85											.3	.1	.6	1.4	1.4	.4	.6	.1	.3	37	37		
84/ 83											.3	.1	1.5	1.1	1.0	1.0	.6	.3		42	42		
82/ 81							.1	.1	1.5	1.9	.7	1.4	1.1	1.0	.1					58	58		
80/ 79							1.0	1.5	1.5	.8	.7	.7	.1							46	46		
78/ 77					.1	.8	1.7	1.1	1.1	1.1	.6	.7	.3							54	54		
76/ 75					.3	1.9	1.7	1.1	.3	.8	.7	.4								52	52		
74/ 73					1.9	.6	.4	1.0	1.1	1.0	.1	.1	.1							46	46		
72/ 71			.1	1.1	1.3	1.0	1.1	.8	.8	.8	.6									55	55	3	
70/ 69			.1	1.3	1.1	1.5	.8	.6	.3	.3										43	43	15	
68/ 67		.1	1.1	.8	.8	.6	1.4	1.0	.3	.1	.1									46	46	55	1
66/ 65		1.0	1.8	1.0	1.0	.7	.1	.6	.6											48	48	103	5
64/ 63		.7	.6	.6	.6	.7	.7	.7	.3											34	34	96	20
62/ 61		.8	.4	.4	.6	.3	1.1													26	26	96	56
60/ 59		.6		.6	.3	.7		.1												16	16	91	76
58/ 57		.7	.6		.8	.6	.3	.3												23	23	63	57
56/ 55		.3		.4	.4															8	8	51	68
54/ 53		.8	.3	.3	.3															12	12	46	53
52/ 51		.6	.7	.4																12	12	30	44
50/ 49	.4	.4	1.1																	14	14	35	64
48/ 47		.1																		1	1	23	50
46/ 45																						10	36
44/ 43	.3																			2	2	2	48
42/ 41	.1																			1	1	1	44
40/ 39																							32
38/ 37																							32
36/ 35																							9
34/ 33																							4
32/ 31																							8
30/ 29																							8
28/ 27																							4
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23747 AMARILLO MAP TX 73-80 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
84/ 83									.1						.1			2	2		
82/ 81								.1	.1				.1		.3			5	5		
80/ 79							.3	.6	.4	.6	.1							14	14		
78/ 77						.3	.6	1.1	.4	.4								24	24		
76/ 75					.3	1.4	1.7	1.3	1.0	.1	.4							44	44		
74/ 73					2.2	1.4	1.1	.7	.3	1.0	.1	.4						52	52		
72/ 71				1.8	2.5	1.9	1.1	.7	.8	1.1	.3							74	74		
70/ 69			.7	1.9	1.7	2.2	1.3	.4	1.1	.6								71	71		
68/ 67		1.3	1.5	1.1	1.1	1.5	1.8	1.4	.7	.1								67	67	12	
66/ 65		2.9	2.9	1.0	1.4	.6	1.4	.6	1.4	.6	.1							67	67	66	
64/ 63		2.5	2.4	.6	1.3	.7	.3	.3	.1									58	58	88	25
62/ 61		2.1	.6	1.4	1.5	1.3	1.7	.1										62	62	103	64
60/ 59	.4	1.5	1.3	1.4	1.4	.1	.8											50	50	86	82
58/ 57		.8	.8	.6	.7	.4	.1	.1										23	23	52	73
56/ 55	.1	1.0	.8	.7	.8	.3	.7											32	32	82	44
54/ 53	.1	.8	.6	.4	1.0	.3												23	23	71	56
52/ 51		1.3	.3	.6	.4													18	18	45	61
50/ 49	.1	1.3	.4	.3		.1												16	16	38	55
48/ 47	.1	.8	.6															11	11	38	48
46/ 45		.3	.3															4	4	22	44
44/ 43																				12	44
42/ 41	.3																	2	2	4	25
40/ 39	.1																	1	1	1	41
38/ 37																					25
36/ 35																					10
34/ 33																					4
32/ 31																					12
30/ 29																					7
TOTAL	1.4	13.2	13.1	11.7	16.3	12.5	12.8	6.8	5.8	4.2	1.4	.6		.3	.1			720	720	720	720
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	3071298		45054		62.6		18.723		720		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	3135326		47168		65.5		7.937		720				44.1	17.6	1.6		90				
Wet Bulb	2390076		41252		57.3		6.078		720				1.5				90				
Dew Point	1928620		36786		51.1		8.269		720			2.4					90				

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 SEP  
 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
99/ 97																	.0	1	1		
96/ 95														.0	.1	.1	.1	15	15		
94/ 93												.0	.1	.1	.2	.2	.1	39	39		
92/ 91											.1	.2	.2	.2	.3	.2	.2	66	66		
90/ 89									.1	.1	.4	.3	.4	.3	.2	.1	105	105			
88/ 87								.0	.2	.3	.8	.6	.4	.3	.0	.0	154	154			
86/ 85							.1	.3	.7	.9	.6	.3	.2	.1	.1		184	184			
84/ 83						.0	.6	.5	.9	.6	.6	.4	.1	.1			222	222			
82/ 81						.0	.1	.8	1.0	.5	.5	.3	.2	.2			211	211			
80/ 79						.1	.8	.6	.7	.3	.4	.2	.1	.0			186	186			
78/ 77				.0	.6	.7	.8	.6	.5	.3	.2	.1					219	219			
76/ 75			.0	.3	1.0	1.0	.7	.5	.3	.2	.1	.0					238	238			
74/ 73			.1	1.2	.6	.6	.7	.5	.4	.1	.1	.0					249	249			
72/ 71		.0	1.2	1.1	1.1	.7	.6	.4	.4	.2							331	331	26		
70/ 69	.1	.4	1.6	1.4	1.0	.7	.3	.4	.2	.1							356	356	137		
68/ 67	.1	1.7	1.5	1.2	.7	.7	.7	.3	.1	.1							414	414	348	5	
66/ 65	1.0	2.3	1.2	1.4	.5	.6	.5	.3	.1								453	453	608	27	
64/ 63	.0	1.9	1.6	.7	.8	.5	.6	.4	.1								386	386	674	246	
62/ 61	.3	2.5	.9	.9	.9	.6	.7	.1									400	400	788	490	
60/ 59	.2	1.5	.9	.9	.8	.6	.3	.1									306	306	634	607	
58/ 57	.1	1.5	1.3	.8	.7	.5	.2	.1									298	298	449	544	
56/ 55	.2	1.0	.8	.5	.5	.4	.2										207	207	426	534	
54/ 53	.0	1.2	1.1	.5	.4	.2											195	195	411	447	
52/ 51	.1	1.2	.7	.6	.2	.1											165	165	380	412	
50/ 49	.2	1.6	.9	.3	.1	.1											178	178	300	484	
48/ 47	.1	.8	.5	.1	.0												89	89	261	400	
46/ 45	.1	.4	.2	.2	.0												47	47	163	334	
44/ 43	.1	.2	.1	.1													28	28	83	319	
42/ 41	.1	.1															11	11	41	258	
40/ 39	.0	.0	.0	.0													6	6	23	235	
38/ 37	.0																1	1	5	165	
36/ 35																			3	76	
34/ 33																				58	
32/ 31																				60	
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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 SEP  
 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			
30/ 29																					40			
28/ 27																					10			
26/ 25																					3			
24/ 23																					1			
22/ 21																					4			
20/ 19																					1			
<b>TOTAL</b>	1.9	15.1	13.5	11.3	11.2	8.6	7.9	6.8	5.7	4.7	3.7	3.4	2.3	1.6	1.2	.8	.5	5760	5760	5760	5760			

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	23845677	347895	60.4	22.181	5760	≤ 0 F	≤ 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	27375381	391589	68.0	11.439	5760			373.7	236.1	136.6	6.9	720
Wet Bulb	19845336	335864	58.3	6.735	5760			63.9				720
Dew Point	15641566	296434	51.5	8.185	5760		14.9	.6				720

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 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																	
76/ 75													.1																				1	1				
74/ 73																																		1	1			
72/ 71					.1	.1																												4	4			
70/ 69				.1	.1																													4	4			
68/ 67					.4	.4	.7	.4						.3																				16	16			
66/ 65				.1	.1			.4	.4	.3																								10	10		3	
64/ 63		.4	.9	1.2	.4	.7	.3	.4																										32	32		2	
62/ 61		.1	.3	.8	.8	.3	1.2	.4	.7																									34	34		11 4	
60/ 59	.1	1.2	.3	1.2	1.2	.8	.8	1.2	.1																									52	52		14 11	
58/ 57	.4	1.5	1.2	1.3	.5	1.7	.7	1.5		.1																								67	67		31 14	
56/ 55	.4	1.5	1.2	1.3	.7	1.6	2.4	.7	.1																									74	74		39 24	
54/ 53	.1	1.1	3.2	1.3	1.2	2.7	1.2	.1	.1																									83	83		41 24	
52/ 51	.4	1.5	1.6	1.7	1.7	1.1	.7	.3																										67	67		58 30	
50/ 49		1.2	2.2	1.6	.9	2.0	.4	.3																										64	64		68 36	
48/ 47	.3	1.1	1.3	.7	1.3	1.1	.3																											45	45		62 53	
46/ 45	.1	.9	.5	.4	1.5	.4																												29	29		85 53	
44/ 43		.4	.9	1.2	1.1	.7																												32	32		73 29	
42/ 41	.1	.5	.8	1.7	.8	.1																												31	31		53 38	
40/ 39	.1	1.5	.8	1.6	.9	.4																												37	37		37 34	
38/ 37		.3	.3	.4	.3	.3																												11	11		55 46	
36/ 35	.1	.7	.1	.4	.3																													12	12		32 48	
34/ 33	.4	.9	.8	.4																														19	19		31 40	
32/ 31	.3	.9	.1	.3																														12	12		17 69	
30/ 29		.5																																4	4		20 55	
28/ 27			.1																															1	1		7 39	
26/ 25			.3																															2	2		2 33	
24/ 23																																					3 9	
22/ 21																																						16
20/ 19																																						15
18/ 17																																						9
16/ 15																																						7
14/ 13																																						6
12/ 11																																						2
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 OCT  
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		
TOTAL	3.0	16.3	17.3	18.5	13.8	15.1	9.0	5.2	1.3	.1	.1		.1					744	744	744	744		
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature								Total						
Rel. Hum.	3256657		47053		63.2	19.443	744		$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	93								
Dry Bulb	2035180		38358		51.6	8.803	744			2.4	3.3	.3			93								
Wet Bulb	1569952		33648		45.2	8.054	744			6.1					93								
Dew Point	1173374		28446		38.2	10.744	744			32.5					93								

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 YEARS OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69			.1															1	1		
69/ 67			.3				.1											3	3		
68/ 65		.1		.3	.3	.5	.4		.1									13	13	1	
64/ 63		.4	.5	.4	.7	.1												17	17	3	
62/ 61		.4	.7	1.2	.3	.3	.4	.1										25	25	4	6
60/ 59	.4	1.5	.9	1.5	.7	.3	.3	.3										43	43	17	5
58/ 57	.4	.9	1.3	.7	.5	.7	.3	.3										38	38	25	17
56/ 55	.1	.7	1.1	.3	.9	.7	1.5	.5	.1									44	44	34	24
54/ 53	.1	2.8	2.3	1.5	.9	1.5	.9	.1	.3									78	78	33	19
52/ 51	.5	1.7	2.4	3.6	2.6	1.2	.5	.1										95	95	54	36
50/ 49		1.1	1.1	1.1	2.4	1.3												52	52	38	44
48/ 47	.3	2.6	2.7	2.2	1.9	1.1	.5											83	83	57	21
46/ 45	.1	1.9	.8	2.0	1.7	.4												52	52	78	50
44/ 43		.5	.5	2.0	1.1	.4												34	34	85	47
42/ 41		.5	1.1	1.6	.9	.3												33	33	58	42
40/ 39		1.1	1.3	1.2	.7													32	32	50	25
38/ 37	.5	.9	1.5	.9	.5													33	33	59	45
36/ 35	.5	1.5	.7	.7	.1													26	26	45	50
34/ 33	.3	.8	.1	.5	.1													14	14	40	61
32/ 31		.9	.4	.4														13	13	29	65
30/ 29	.3	.9	.1															10	10	13	41
28/ 27		.3																2	2	14	51
26/ 25																				4	30
24/ 23		.4																3	3	1	5
22/ 21																				2	21
20/ 19																					19
18/ 17																					9
16/ 15																					7
14/ 13																					4
TOTAL	3.6	22.0	20.0	22.0	16.4	8.7	5.0	1.6	.5									744	744	744	744
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Num.	3679389		50563		68.0	18.087	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	1838377		36441		49.0	8.486	744		3.5	.5				93							
Wet Bulb	1479395		32619		43.8	8.145	744		7.9					93							
Dew Point	1155650		28248		38.0	10.578	744		31.5					93							

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 OCT  
 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
68/ 67			.4	.1													4	4		
66/ 65		.1	.3														3	3		
64/ 63			.1	.4					.1	.1							9	9	4	
62/ 61		1.1	.3	1.3	.4				.3	.1							26	26	4	
60/ 59		1.5	.5	.8	.3	.1	.4	.1	.1								29	29	3	
58/ 57	.5	1.6	.8	.8	.4	.3	.1										37	37	20	
56/ 55	.3	1.5	1.5	.5	.4	.7	.5	.1									41	41	17	
54/ 53	.4	2.6	1.6	1.6	1.1	2.2	.4	.1									74	74	27	
52/ 51	.5	1.6	2.4	3.1	1.5	1.5	.8										85	85	33	
50/ 49	.1	.8	2.3	2.0	2.2	1.1	.1	.1									65	65	38	
48/ 47	.4	2.3	2.6	2.2	2.2	.5	.5										79	79	24	
46/ 45	.3	3.0	1.9	1.3	1.5	.4											62	62	44	
44/ 43	.1	.9	2.0	3.4	1.7	.5											65	65	42	
42/ 41		1.1	.7	1.9	.9	.5											38	38	49	
40/ 39		.7	.7	1.2	.4												22	22	38	
38/ 37	.8	1.1	1.5	.4	.1												29	29	46	
36/ 35	.5	1.5	.9	.9													29	29	47	
34/ 33	.3	.5	.4	.3													11	11	59	
32/ 31	.3	.9	.7	.4													17	17	63	
30/ 29	.1	.7	.4														9	9	54	
28/ 27	.3	.4	.3														7	7	34	
26/ 25		.3															2	2	26	
24/ 23																			15	
22/ 21		.1															1	1	31	
20/ 19																			17	
18/ 17																			8	
16/ 15																			3	
14/ 13																			2	
TOTAL	5.0	24.2	22.2	22.7	13.0	8.3	3.1	1.1	.4								744	744	744	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	3883691	52071	70.0	17.948	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	1762948	35706	48.0	8.150	744		4.5	.5				93								
Wet Bulb	1443292	32228	43.3	7.976	744		7.8					93								
Dew Point	1144955	28157	37.8	10.334	744		31.6					93								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85															.3			2	2		
82/ 81										.1				.3				3	3		
79/ 79								.1	.4			.4	.3	.1				10	10		
77/ 77								.1	.1	.1	.8	.1						10	10		
76/ 75						.3	.1	.3	.3	.8	.3	.9	.1					23	23		
74/ 73					.1		.5	.4	.1	.5	.9	.1						21	21		
72/ 71				.1	.1	.3	.9	.9	.4	.8	.8	.1						34	34		
70/ 69				.7	.1	.3	.7	.5	1.1	1.2	.9							41	41		
68/ 67				.4	1.1	.8	1.5	1.1	.7	.9	.3							50	50		
66/ 65			.3	.5	.6	.8	.8	.4	.9	1.2								43	43	7	
64/ 63			.5	1.3	.9	.8	1.1	.4	1.6	.4	.1							54	54	10	
62/ 61		.5	.3	1.2	.8	1.3	.8	2.0	1.6	.3								66	66	22	5
59/ 59		.7	.5	1.3	.8	.5	1.1	1.1	.5									49	49	41	14
58/ 57		.5	.4	.7	.5	1.2	1.5	1.2	.1									46	46	52	17
57/ 55		1.3	1.1		.7	1.2	1.3	.8										48	48	63	19
54/ 53	.1	.8	.7	.9	1.1	.8	1.1	.4										44	44	88	36
52/ 51	.1	.1	1.2	.9	1.1	1.5	.9	.3										46	46	65	35
50/ 49	.3	1.1	.8	1.1	.8	.8	.7											41	41	55	42
47/ 47	.4	.3	.1	1.6	.7	.7												28	28	80	40
46/ 45	.3	.4	.5	.4	.5	.5	.1											21	21	64	51
44/ 43			.3	.4	.3	.3												9	9	61	31
42/ 41		.4	.1	.8	.3	.3												12	12	34	35
40/ 39		.3	.3	.4	.3													9	9	26	38
38/ 37	.5		.8	.3	.3													14	14	25	68
36/ 35	.5			.3														6	6	20	59
34/ 33		.5																4	4	10	49
32/ 31	.8		.5															10	10	14	66
30/ 29																				4	42
28/ 27																				3	38
26/ 25																					21
24/ 23																					10
22/ 21																					13
20/ 19																					10
18/ 17																					5
Element (X)	Σ X <sup>2</sup>		Σ X		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																					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71



GLOBAL CLIMATOLOGY BRANCH  
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### PSYCHROMETRIC SUMMARY

23047 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS OCT MONTH

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			
TOTAL	3.1	7.0	8.5	13.4	11.3	12.1	13.2	10.1	7.4	6.7	3.6	2.4	.5	.4	.3			744	744	744	744			
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	2405442		39244		52.72		21.247		744		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	2676278		43922		59.3		10.591		744				1.3		24.3		8.6		1.0				93	
Wet Bulb	1845360		36610		49.2		7.686		744				2.6										93	
Dew Point	1242286		29482		39.6		9.981		744				25.6										93	

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 OCT  
 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	O.B.W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93																.1		1	1		
92/ 91																.3	.3	4	4		
90/ 89													.1	.1	.4		5	5			
88/ 87												.1	.1	.3	.7	.7	14	14			
86/ 85									.1	.1		.4	.5	1.1	.3		19	19			
84/ 83									.3	.4	.7	.5	.8	.7	.3		27	27			
82/ 81							.1	.1	.1	.3	.9	1.2	2.4	.1			40	40			
80/ 79								.3	.4	1.3	.9	2.2	1.1		.1		47	47			
78/ 77							.3	.3	.3	1.1	1.5	1.6	.1	.4			41	41			
76/ 75						.3	.5	.5	1.3	.7	.8	.5	.8				41	41			
74/ 73					.4	.7	.7	.9	1.3	.7	1.1	1.7	.3				58	58			
72/ 71					.4	.9	.4	.5	2.3	1.3	1.5	1.2					64	64			
70/ 69				.1	.4	.4	.9	.7	1.2	1.9	.9	.4					52	52	1		
68/ 67				.1	.4	.7	.4	.8	.5	1.3	.7						37	37	3		
66/ 65			.1	.1	.5	.4	.4	.9	.4	1.7	.5						37	37	15		
64/ 63			.3	.4	.3	.7	1.1	1.1	.9	.4							38	38	33	1	
62/ 61	.3	.3	.3	.4	.4	.9	.3	1.2	.4								33	33	35	3	
60/ 59	.7	.3	.3	.4	.4	.9	1.6	.4	.1								35	35	89	14	
58/ 57	.3	.7	.1	.3	.7	.9	.8	.1									29	29	87	17	
56/ 55	.4	.1	.1	.1	.5	.1	.5	.4									18	18	94	24	
54/ 53	.3	.1		.4	.7	.4	.3										16	16	62	17	
52/ 51	.7	.5	.3	.1	.1	.1	.5										17	17	77	34	
50/ 49	.5	.7	.1	.3	.5	.4											19	19	56	39	
48/ 47	.7		.4	.1	.3	.1											12	12	44	30	
46/ 45			.1	.5	.3												7	7	56	42	
44/ 43				.7	.1												6	6	25	38	
42/ 41			.3	.1	.3												5	5	6	48	
40/ 39	.3	.4		.1	.3												6	6	12	58	
38/ 37	.1			.1													2	2	18	53	
36/ 35	.7																5	5	16	62	
34/ 33	.4	.7															8	8	7	41	
32/ 31	.1																1	1	8	71	
30/ 29																				44	
28/ 27																					39
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							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



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GLOBAL CLIMATOLOGY BRANCH  
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PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 OCT  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1500-1700  
 HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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																	.8	6	6		
92/ 91																.1	.1	2	2		
90/ 89													.3		.5	.7		11	11		
88/ 87												.1	.1	.3	.8	.8	.3	18	18		
86/ 85											.4	.3	.5	.7	2.2	.5	.1	35	35		
84/ 83										.4		.9	.7	1.7	.1	.3		31	31		
82/ 81								.1	.1		.5	1.6	3.0	.4				43	43		
80/ 79							.1	.4	.1	1.1	1.1	2.0	.9	.3				45	45		
78/ 77							.7	.9	1.1	1.2	1.7	1.9	.7					61	61		
76/ 75						.4	1.2	1.1	.9	.7	.8	2.0	1.3	.1	.1			65	65		
74/ 73						.3	.1	.8	.8	2.7	.8	1.3	.1	.1				53	53		
72/ 71						.3	.4	.9	.7	.7	.5	1.2	1.2					44	44		
70/ 69					.3	.4	.9	.7	.7	.5	1.2	1.2						44	44		
68/ 67				.1	.5	.3	.1	.1	.4	1.7	1.5	.1						37	37	1	
66/ 65				.3		.1	1.1	.7	.9	.5	.9							34	34	14	
64/ 63					.1	.4	.5	.3	.7	.4	.4							21	21	29	
62/ 61				.4	.1	.5	.7	.9	2.0	.1								36	36	39	2
60/ 59			.3	.1	.3	.1	.5	1.3	1.1	.4								31	31	88	3
58/ 57		1.3	.1	.4	.3	.3	.1	.1	.1	.4								24	24	88	11
56/ 55		.4	.1	.1	.3	.1		.1										9	9	114	23
54/ 53		.3		.1	.1	.1		.1	.9	.3								14	14	81	25
52/ 51		.9	.3	.4	.3	.3		.5										20	20	59	35
50/ 49		.8	.4		.3	.3	.4											14	14	54	27
48/ 47		.4	.1		.3	.7												11	11	54	27
46/ 45		.3		.1		.5												7	7	42	39
44/ 43				.7	.3	.4												10	10	17	38
42/ 41				.1														1	1	7	46
40/ 39		.4																3	3	20	56
38/ 37																				18	52
36/ 35	.7	.1																6	6	10	58
34/ 33	.1	.5																5	5	4	44
32/ 31		.1																1	1	5	80
30/ 29																					6
Element (X)	Σ X <sup>2</sup>		Σ X		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																					

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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# PSYCHROMETRIC SUMMARY

23047 STATION AMAPILLO MAP IX STATION NAME 73-80 YEARS OCT MONTH  
PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
27 / 27																					19			
26 / 25																					25			
24 / 23																					17			
22 / 21																					21			
20 / 19																					14			
18 / 17																					9			
16 / 15																					7			
14 / 13																					2			
12 / 9																					1			
TOTAL	4.8	1.7	3.4	2.8	5.2	6.9	8.9	10.8	10.8	9.5	8.9	9.0	6.5	6.0	2.3	1.7		744		744	744			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature																	
Rel. Hum.	1223392	26110	35.1	20.330	744		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total											
Dry Bulb	3768689	52171	70.1	12.186	744			.1	62.1	46.4	21.4	.9	93											
Wet Bulb	2136309	39521	53.1	7.054	744			.6	.1				93											
Dew Point	1124736	27954	37.6	10.009	744			32.3					93											

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 OCT  
 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
87															.1	.1	2	2		
85											.1		.3	.1	.3		2	2		
83									.1								5	5		
81									.1	.1	.1	.3	.4				8	8		
79									.1		.4	.4	.5				11	11		
77							.1	.1	.1	.1	.1	.5	.3				18	18		
75							.3	.4	.1	.4	.9	1.2	.7				30	30		
73						.3	.3	.5	1.1	.4	.7	1.3					34	34		
71				.1		.5	.4	.5	.7	.7	1.7	.5	.1				40	40		
69			.1	.1	.1	.7	.8	.9	1.1	.9	1.3	.4					49	49		
67			.4	.1	1.5	.8	.7	1.1	1.3	1.9	.7						63	63		
65			.3	.3	.8	1.1	1.9	1.2	2.4	.7							66	66	7	
63			.3	.7	.4	.9	.8	1.9	.1	.4							41	41	11	
61		.1	.4	.5	.5	.9	.9	.8	2.2	.7	.1						54	54	19	5
59		.3	.3	.9	.4	1.3	1.5	1.9	.3	.7							55	55	35	2
57	.1	.8	.3	.5	.7	.8	.4	1.7	.1								43	43	55	14
55		1.2	.5	.4	.5	.8	1.1	.7	.4								42	42	68	29
53		.4	.4	.3	.1	.8	1.7	.8	.3								36	36	84	29
51		.7	.4	.4	.4	.5	.1	.7									24	24	82	28
49		.7	.5	.1	.7	.8	1.2	.1									31	31	74	24
47		.9	.1	.3	.5	.3	.3	.1									19	19	72	31
45		.1	.3	.4	.9	.1	.3										16	16	58	38
43		.3	.3	.7	.4	.7	.1	.3									18	18	47	36
41		.7		.3	.3	.1											10	10	36	46
39			.1	.1	.1	.4											6	6	33	54
37		.4	.1	.1													5	5	19	31
35	.4		.1														4	4	17	46
33	.4	.5															7	7	14	50
31		.4		.3													5	5	9	83
29																			2	68
27																			1	39
25																			1	16
23																				13
21																				17
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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

22047 AMARILLO MAP TX 73-80 OCT  
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	
76/ 75						.3		.3										4	4			
74/ 73					.1	.1	.1	.3	.1	.1								7	7			
72/ 71					.1		.1	.3	.1	.1	.1							7	7			
70/ 69					.1		.3	.3	.3	.4								10	10			
68/ 67					.4	.3	.4	.1	.8	.3	.1							18	18			
66/ 65		.1	.4	1.1	.8	.7	.9	.7	.8	.9								48	48	3		
64/ 63		.1	.3	1.1	.7	1.3	.4	.9	1.3									46	46	7		
62/ 61		.4	.8	.1	1.3	1.1	1.5	1.6	1.6	.4								66	66	8	9	
60/ 59		1.6	.4	.5	1.7	1.1	.9	3.9	.7	.1								82	82	26	3	
58/ 57	.4	.8	.9	1.6	1.6	.7	1.6	1.1	.1									66	66	33	18	
56/ 55	.1	1.5	1.2	.8	.9	.8	2.7	.8	.3									68	68	37	32	
54/ 53		.7	1.2	1.6	1.1	1.5	1.5	.7	.1									62	62	51	18	
52/ 51	.4	1.2	1.1	.9	.4	.8	.5	.5										44	44	89	18	
50/ 49		.5	.8	.4	.9	1.1	1.2		.1									38	38	56	41	
48/ 47		1.5	.3	.7	.5	1.2	.9											38	38	79	45	
46/ 45		.5	.5	.7	1.9	1.1	.1											36	36	88	43	
44/ 43		.1	.7	.7	.8	.4	.1											21	21	56	45	
42/ 41		1.1	.9	.8	.1	.7												26	26	39	30	
40/ 39		.5	.3	.3	.5	.4												15	15	46	33	
38/ 37		.3	.3	.5	.5													12	12	43	40	
36/ 35		.9	.1	.3	.1													11	11	24	51	
34/ 33	.4	.4	.7															11	11	24	35	
32/ 31		.7																5	5	19	79	
30/ 29																				12	62	
28/ 27			.4															3	3	1	32	
26/ 25																					29	
24/ 23																				3	13	
22/ 21																					25	
20/ 19																					16	
18/ 17																					10	
16/ 15																					6	
14/ 13																					9	
12/ 11																					1	
6/ 5																					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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

23047 AMAPILLO MAP TX 73-80 YEARS OCT  
 STATION STATION NAME 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	
96/ 95																	.0	1	1			
94/ 93																	.0	.1	7	7		
92/ 91																	.1	.1	6	6		
90/ 89													.1	.0	.1	.1	.1	16	16			
88/ 87												.0	.0	.1	.2	.2	.0	34	34			
86/ 85										.0	.1	.1	.1	.2	.4	.1	.0	58	58			
84/ 83										.1	.1	.1	.2	.2	.3	.1	.0	63	63			
82/ 81								.0	.0	.1	.1	.2	.4	.8	.1	.0		94	94			
80/ 79								.0	.1	.1	.3	.4	.6	.3	.0	.0		113	113			
78/ 77							.1	.2	.2	.3	.4	.7	.3	.2				130	130			
76/ 75						.2	.2	.3	.4	.3	.4	.6	.4	.0	.0			164	164			
74/ 73					.1	.2	.2	.4	.4	.6	.4	.6	.1	.0				174	174			
72/ 71				.1	.1	.2	.4	.3	.6	.6	.6	.3	.0					194	194			
70/ 69			.1	.1	.2	.5	.4	.5	.6	.6	.6	.3						201	201	1		
68/ 67			.1	.2	.5	.4	.5	.4	.5	.8	.4	.0						228	228	4		
66/ 65		.1	.1	.3	.4	.4	.6	.6	.6	.9	.3							254	254	50		
64/ 63		.1	.4	.7	.5	.6	.5	.4	.8	.2	.2							258	258	99		
62/ 61		.4	.4	.7	.6	.6	.8	.8	.8	1.2	.2	.0						340	340	141		
60/ 59	.1	.9	.4	.8	.7	.6	.8	.8	1.4	.4	.2							376	376	320		
58/ 57	.2	1.0	.8	.8	.6	.8	.7	.9	.1	.1								350	350	397		
56/ 55	.1	1.1	.9	.5	.6	.8	1.2	.5	.2									344	344	481		
54/ 53	.1	1.1	1.2	.9	.8	1.3	.9	.4	.1									407	407	467		
52/ 51	.3	1.1	1.2	1.4	1.0	.9	.5	.4										398	398	532		
50/ 49	.1	.7	1.1	.9	1.0	1.0	.6	.1	.0									324	324	441		
48/ 47	.2	1.2	.7	1.0	.9	.7	.3	.0										315	315	497		
46/ 45	.1	.9	.6	.7	1.1	.5	.1											230	230	555		
44/ 43	.0	.3	.6	1.1	.8	.4	.0											195	195	443		
42/ 41	.0	.5	.4	.9	.4	.3												156	156	303		
40/ 39	.0	.6	.5	.6	.3	.2												130	130	281		
38/ 37	.3	.4	.6	.3	.2	.0												106	106	295		
36/ 35	.4	.6	.3	.3	.1													99	99	224		
34/ 33	.3	.6	.3	.2	.0													79	79	165		
32/ 31	.2	.5	.2	.2														64	64	123		
30/ 29	.1	.3	.1															23	23	68		
Element (X)	Σ H <sup>2</sup>		Σ X		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																						

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27047 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS OCT 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	
27/27	.0	.1	.1															13	13	38	291	
26/25		.0	.0															4	4	14	204	
24/23		.1																3	3	10	92	
22/21		.0																1	1	3	156	
20/19																					126	
18/17																					62	
16/15																					46	
14/13																					27	
12/11																					3	
10/9																					2	
8/5																					1	
TOTAL	2.4	12.5	11.2	12.7	10.8	10.2	8.9	7.6	6.1	5.0	3.7	3.1	2.2	1.7	1.2	.6	.3	5952	5952	5952	5952	
																		5952		5952		

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	20438628	319580	53.7	23.475	5952		13.5	185.4	107.5	42.0	1.0	744
Wet Bulb	14110430	285370	47.9	8.484	5952		32.0	.6				744
Dew Point	9315704	227154	38.2	10.423	5952		251.9					744

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23-47 AMARILLO MAP TX 73-80 NOV  
 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
64/ 63										.1							1	1		
62/ 61				.1						.1							2	2		
60/ 59			.6				.1	.1	.1								7	7		
58/ 57		.4	.3	.1	.1	.1	.6	.1		.1							14	14	1	
56/ 55		.4	.1	.1	.4	.1	.4		.1								13	13	9	1
54/ 53		.4	1.3	.6	.7	.3	1.0	.3	.1								33	33	4	11
52/ 51	.3	.4	1.1	.4	.7	.6	.1	.1									27	27	9	3
50/ 49	.1	.7	.7		1.0	.4	.1	.1									23	23	16	9
48/ 47	.6	2.2	1.1	.7	1.3	1.4	.1	.3									55	55	30	17
46/ 45	.3	3.1	.6	.7	.7	.7											43	43	42	23
44/ 43		2.1	1.4	1.4	.3	.8	.7										48	48	45	28
42/ 41	.4	1.9	1.5	1.1	1.5	1.0	.4										57	57	41	30
40/ 39	.6	1.1	1.9	1.4	1.5	.3											49	49	48	22
38/ 37	.3	1.9	1.7	1.5	1.3	.7											53	53	49	30
36/ 35	.4	2.1	1.9	1.5	.1												44	44	53	35
34/ 33	1.0	3.1	1.5	.7	.6	.1											50	50	71	25
32/ 31	1.9	3.2	2.5	.1	1.0												63	63	74	76
30/ 29	.8	2.1	1.5		.3												34	34	64	58
28/ 27	1.1	1.5	1.0	.3	.1												29	29	48	42
26/ 25		1.5	1.1														19	19	23	49
24/ 23		.4	.3														5	5	32	28
22/ 21	.6	1.5	.8														21	21	18	38
20/ 19	.3	.7	.3														9	9	14	55
18/ 17	.4	.1															4	4	12	35
16/ 15	.6	.1															5	5	5	34
14/ 13	.1	.3															3	3	1	19
12/ 11	.3	.1															3	3	5	7
10/ 9																				12
8/ 7	.4	.3															5	5	5	11
6/ 5	.1																1	1	1	6
4/ 3																				9
2/ 1																				7
TOTAL	10.6	31.8	23.2	10.8	11.5	6.5	3.6	1.1	.4	.1	.3						720	720	720	720
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	3795594	50150	69.7	20.512	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	1154482	27872	38.7	10.249	720		25.1					90								
Wet Bulb	924700	24962	34.7	9.080	720		37.8					90								
Dew Point	671825	20439	28.4	11.288	720		60.8					90								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 NOV  
 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	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
57/ 57		.4					.3											5	5			
55/ 55		.8					.1	.3										10	10	4	1	
53/ 53		.6	.1	.1	.3	.3	.4	.1										14	14	5	6	
51/ 51	.4	.6	1.1	.6	.4	.6	.1	.1										28	28	8	7	
49/ 49	.6	.6	.4	.3	.6	.1	.1	.3										21	21	12	8	
47/ 47	.4	1.4	1.4	.4	.6	.8	.4											39	39	17	10	
45/ 45		3.1	1.0	.6	.3	.6	.1	.1										41	41	31	12	
43/ 43	.7	2.2	.8	1.5	1.0	.6												49	49	45	31	
41/ 41	.3	2.2	2.1	1.3	.6	1.0												53	53	33	29	
39/ 39	1.1	2.4	2.4	.7	1.8	.3	.1											63	63	51	28	
37/ 37	.6	1.8	1.8	1.4	1.1	.4												51	51	52	29	
35/ 35	.6	2.9	.8	1.7	.4													46	46	60	30	
33/ 33	1.8	2.8	1.9	.8	.3													55	55	66	39	
31/ 31	1.3	4.3	1.9	.3	1.0													63	63	63	64	
29/ 29	1.0	2.1	2.6	.1	.4													45	45	69	62	
27/ 27	1.8	2.1	1.5	.3														41	41	57	50	
25/ 25	.1	2.8	1.3	.6														34	34	38	33	
23/ 23		1.0	.1	.3														10	10	35	33	
21/ 21	.1	.6	.1															6	6	20	52	
19/ 19	.6	.8	.8															16	16	14	55	
17/ 17	1.0	.7																12	12	19	35	
15/ 15		.4																3	3	6	34	
13/ 13	.4	.1																4	4	3	14	
11/ 11		.4																3	3	3	9	
9/ 9	.1	.4																4	4	2	15	
7/ 7	.1	.1																2	2	4	10	
5/ 5		.3																2	2	2	9	
3/ 3																				1	4	
1/ 1																					6	
-1/ -1																					4	
-3/ -3																					1	
TOTAL	12.9	37.8	22.4	10.6	8.9	4.7	1.8	1.0										720	720	720	720	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ x	Σ x	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	4102083		52539		73.0	19.316	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	1033579		26375		36.6	9.683	720		30.6					90								
Wet Bulb	856165		23987		33.3	8.906	720		42.0					90								
Dew Point	644839		20021		27.8	11.070	720	.6	61.3					90								

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23-47 AMARILLO MAP TX 73-80 NOV  
 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	Dew Point
62/ 61								.1										1	1		
60/ 59									.1									1	1		
58/ 57								.1										1	1		
56/ 55	.3	.3	.1					.1	.1									7	7	3	3
54/ 53	.4	1.1	.4			.1	.1		.3									18	18	5	3
52/ 51	.1	.3	.3	.6	.7	.6	.1											19	19	12	8
50/ 49	.4	.6	.7	.3	.4	.3												19	19	7	9
48/ 47	.4	.7	1.1	.6	.4	.4	.1											27	27	10	8
46/ 45	.6	3.1	.1	.7	.6	.3	.1											39	39	28	10
44/ 43	.1	2.6	1.0	.7	.4	.6												39	39	41	20
42/ 41	.1	1.4	2.4	1.1	.6	.4	.4											46	46	34	40
40/ 39	.8	1.8	1.5	1.7	1.1	.1												51	51	31	18
38/ 37	.6	2.6	1.3	1.5	1.3	.4												55	55	55	20
36/ 35	1.3	3.6	1.8	2.8	.8	.1												75	75	57	33
34/ 33	1.4	2.9	1.7	1.4	.7													58	58	67	42
32/ 31	1.1	4.4	1.0	.1														48	48	56	66
30/ 29	1.8	4.3	1.8	.6														61	61	93	48
28/ 27	1.8	2.8	.8	.7														44	44	72	59
26/ 25	.1	2.4	2.1	.3														35	35	29	55
24/ 23		1.1	.1															9	9	31	25
22/ 21	.1	1.4	.3															13	13	26	51
20/ 19	.3	.8	.7															13	13	10	52
18/ 17	1.3	1.3	.3															20	20	20	36
16/ 15	.3	.1																3	3	13	39
14/ 13	.3	.4																5	5	7	8
12/ 11	.3	.1																3	3	3	11
10/ 9	.3	.1																3	3	2	23
8/ 7	.3	.1																3	3	4	15
6/ 5	.1	.1																2	2	2	6
4/ 3	.1																	1	1	1	3
2/ 1	.1																	1	1	1	2
0/ -1																					7
TOTAL	14.9	40.6	19.4	12.9	7.1	3.3	1.0	.7	.1									720	720	720	720
Element (X)	Σ X²		Σ X		Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	4234420		53608		74.5	18.384	720	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90							
Dry Bulb	973414		25524		35.5	9.767	720		33.0					90							
Wet Bulb	816611		23369		32.5	9.011	720		46.3					90							
Dew Point	622485		19657		27.3	10.925	720	.9	63.3					90							

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23.47 STATION AMARILLO MAP TX STATION NAME 73-80 YEARS NOV 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
76/ 75													.3					2	2	
72/ 71												.3	.1					3	3	
70/ 69												.1	.3					3	3	
64/ 67					.1		.1				.1	.3						5	5	
66/ 65				.1				.1	.3	.4	.1	.3						8	8	
64/ 63				.3	.1	.1	.3	.4	.3	.1	.3							14	14	
62/ 61			.1	.1	.4		.1	.4	.1		.1							11	11	
60/ 59	.1	.1	.3	.3	.4	.1	1.1	.7	1.4	.3								35	35	4
58/ 57	.3		.3	.4	.4	.3	.7	.4	.3	.4								22	22	5
58/ 55		.7	.7	.3	.4	.4	.8	1.0	.3									33	33	8
54/ 53	.1	.6	.7	.8	.6	1.8	1.5	.6	.3									50	50	16
52/ 51	.1	.4	.7	.7	.7	.8	1.4	.6	.1									40	40	22
50/ 49	.1	.1	1.3	.7	1.0	.8	1.1	.3										39	39	26
48/ 47	.3	1.3	1.1	1.4	.6	1.1	.4	.4										47	47	34
46/ 45	.3	1.3	.4	1.0	.7	1.4	.6											40	40	58
44/ 43	.8	1.1	1.3	1.9	1.7	.7	.3											56	56	67
42/ 41	.1	1.4	.8	1.0	.6	.8	.3											36	36	59
40/ 39	.3	.7	2.5	1.8	.8													44	44	51
38/ 37	.6	1.3	1.8	.6	.3	.6												36	36	55
36/ 35	.7	1.8	1.4	.8	.1													35	35	76
34/ 33	1.3	.8	1.5	.6	.1	.1												32	32	58
32/ 31	1.0	2.4	1.5	.8	.4	.1												45	45	36
30/ 29	.3	.6	1.0	.3	.1													16	16	36
28/ 27	.6	1.1	.7	.6	.1													22	22	28
26/ 25	.1	.7	.4	.1														10	10	22
24/ 23	.1	.6	.4	.3														10	10	17
22/ 21		.6	.6															8	8	13
20/ 19	.1	.7																6	6	12
18/ 17	.3	.1																3	3	7
16/ 15	.1	.1																2	2	2
14/ 13	.1																	1	1	2
12/ 11		.1																1	1	15
10/ 9	.1	.1																2	2	3
8/ 7	.1																	1	1	1
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																				

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUN 71

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 23047 AMARILLO MAP TX STATION NAME 73-80 YEARS NOV MONTH  
 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				
5/ 5		.1																1	1		9				
4/ 3		.1																1	1	2	1				
3/ 1																					2				
2/ -1																					4				
TOTAL	.2	18.9	19.4	14.4	9.7	9.3	8.8	4.9	3.1	1.4	1.3	.4	.3					720	720		720				
Element (X)	ΣX²		ΣX		X̄		S <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.	3090983		44283		61.5		22.605		720		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb	1490609		31647		44.0		11.769		720			16.1	1.6	.3			90								
Wet Bulb	1091713		27247		37.8		9.181		720			22.6					90								
Dew Point	715018		21278		29.6		10.949		720		.5	55.8					90								

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 NCV  
 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
6/ 85																	.1	1	1		
7/ 81															.3	.3		4	4		
7/ 79										.1		.3	.4	.1			7	7			
7/ 77											.1	.6	.1	.1			6	6			
7/ 75									.4	.1	.6	.3		.1			11	11			
7/ 73								.1	.3	.3	1.0	.8	.3				20	20			
7/ 71					.1	.4	.1	.4	.6	.3	.4	.4	.1				21	21			
7/ 69					.1	.1	.4	.6	.7	1.1	.8	.3					30	30			
6/ 67			.1	.3	.1	.3	.8	.4	1.3	1.0	.8						37	37			
6/ 65			.1	.6	.1	.6	.8	.6	1.1	1.0							31	31			
4/ 63			.3	.3		.7	.6	.7	.8	.3							26	26	2		
7/ 61		.1	.1	.3		.6	1.3	1.0	.6	1.0	.4	.1					39	39	4	1	
7/ 59		.1	.4	.3	.3	.4	1.0	1.0	1.4	.6							39	39	8	2	
7/ 57		.1	.1	.1	.4	1.3	.8	1.4	.8	.4							40	40	14	3	
5/ 55			.3	1.1	.8	.7	1.3	.6	.1								40	40	27	6	
4/ 53		.1	.4	.3	.4	1.4	1.3	.7	.3								33	33	37	7	
5/ 51			.3	.3	1.0	1.4	.6	1.3									34	34	51	6	
5/ 49			.3	.6	.7	1.4	1.4	1.0	.3								40	40	59	7	
4/ 47	.1	.6	.8	.6	.6	1.0	1.0	.3									35	35	72	15	
4/ 45		.4	.1	1.3	1.1	.8	.3	.1									30	30	50	20	
4/ 43	.1	.8	.4	.6	.8	.7	.1	.1									27	27	66	23	
2/ 41	.3	.4	.8	.1	.6		.4										19	19	59	34	
4/ 39		.8	.6	1.1	.3	.4	.3										25	25	51	24	
3/ 37	.3	.6	.4	.6	.4	.6	.4										23	23	49	42	
7/ 35	.3	.4	.3	.3	.4	.4											15	15	24	44	
3/ 33	.3	.7	.6	.4	.7	.1											20	20	31	45	
7/ 31	.4	.7	1.1	.4	.4												22	22	16	65	
3/ 29	.6	1.3	.4	.3													18	18	28	51	
2/ 27		.8	.6	.3													12	12	29	32	
2/ 25		.6	.1														5	5	17	65	
2/ 23																			13	44	
2/ 21		.1															1	1	2	38	
7/ 19		.1															1	1	2	38	
1/ 17	.1																2	2	3	19	
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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**PSYCHROMETRIC SUMMARY**

27-47 AMARILLO MAP TX 73-80 NOV  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
16/ 15		.1																1	1		22
14/ 13		.1																1	1	1	19
12/ 11		.1																1	1	1	11
10/ 9		.4																3	3	4	8
8/ 7																					5
6/ 5																					11
4/ 3																					5
2/ 1																					6
0/ -1																					2
TOTAL	2.5	10.1	8.8	9.3	10.3	11.9	10.3	10.1	6.4	7.2	4.6	3.9	2.5	1.0	.6	.4	.1			720	720

Element (X)	Σ X'	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	
Rel. Num.	1953731	33555	46.6	23.288	720						
Dry Bulb	2157494	38106	52.9	13.991	720		8.4	17.1	6.1	1.1	
Wet Bulb	1356823	30509	42.4	9.438	720		14.5				
Dew Point	720879	21281	29.6	11.304	720	.3	55.1				

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

23047 AMAPILLO MAP TX 73-80 NOV  
 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						
6/ 85																	.4	3	3								
4/ 83																	.1	.1	2	2							
2/ 81																	.6	.3	6	6							
2/ 79																	.6	.1	.3	12	12						
7/ 77																	.1	.3	12	12							
6/ 75																	.3	.1	.3	19	19						
4/ 73																	.1	.3	.7	.7	1.1	.3	28	28			
2/ 71																	.3	.1	.3	.6	1.0	.3	27	27			
7/ 69																	.8	1.4	1.4	.6	.1		34	34			
6/ 67																	1.0	1.1	.3	.1			24	24			
6/ 65																	.7	.7	.1				34	34			
4/ 63																	.6	1.3	.3	.4			41	41	2		
2/ 61																	1.5	.3					36	36	3	1	
1/ 59																	1.5	1.5	.3				41	41	8	1	
5/ 57																	.4	.1					28	28	14	2	
5/ 55																	.7	.6					31	31	27	5	
4/ 53																	.6	.1					32	32	52	1	
2/ 51																	1.3	1.7	.6	.4			33	33	59	5	
5/ 49																	1.3	1.4	.1	.1			37	37	44	12	
4/ 47																	1.1	1.3	.4	.1			36	36	78	23	
4/ 45																	.7	.7					25	25	48	10	
4/ 43																	.3						28	28	79	15	
2/ 41																	.6	.1					18	18	50	35	
4/ 39																	1.0	.3					32	32	56	31	
3/ 37																	.3						19	19	45	35	
7/ 35																	.1	.1					9	9	25	45	
3/ 33																	.4	.6					9	9	16	34	
7/ 31																	1.7	1.3	.3	.4			30	30	20	58	
7/ 29																	.4	.6					10	10	30	50	
2/ 27																	.8						6	6	28	43	
7/ 25																	.3	.1	.4				6	6	16	69	
2/ 23																	.3						2	2	4	25	
2/ 21																										6	52
2/ 19																	.3						2	2		45	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature						Total												
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F													
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 NOV  
 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
18/ 17	.1	.1																2	2	4	21
16/ 15		.4																3	3		22
14/ 13																				3	15
12/ 11																					19
10/ 9		.3																2	2	1	14
8/ 7	.1																	1	1	2	6
6/ 5																					7
4/ 3																					11
2/ 1																					4
0/ -1																					1
-2/ -3																					3
TOTAL	1.8	9.6	7.6	7.1	9.9	10.8	13.3	6.5	5.8	7.9	7.1	4.9	4.7	2.1	.4	1.0	.4		720		720
																		720		720	

Element (X)	Σ X'	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	1716532	30912	42.9	23.271	720							
Dry Bulb	2306600	39386	54.7	14.543	720		8.0	20.9	10.3	2.3		90
Wet Bulb	1387723	30885	42.9	9.352	720		14.3					90
Dew Point	681144	20574	28.6	11.388	720	.5	58.1					90

USAFETAC FORM 0 26 3 C A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 NOV  
 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
76/ 75															.1			1	1		
72/ 71										.1	.4	.4	.4					5	5		
70/ 69							.1		.1	.4	.4	.4						8	8		
68/ 67						.1		.1	.4	.4	.4							11	11		
66/ 65						.1	.3	.3	.1	.6	.3	.1						13	13		
64/ 63					.6	.1	.3	.6	.3	.4								16	16		
62/ 61		.4	.3	.4	.3	.1	.6	1.0	.4	.3								27	27		
60/ 59		.7	.6	.3	.3	.7	.3	.4	.1									24	24	1	1
58/ 57	.1	.1	.4	1.0	.1	.6	1.0	.8	.3									32	32	11	2
56/ 55		.3	.6	.7	.6	.7	1.7	.6	.3									38	38	9	6
54/ 53		.6	.7	.6	1.0	1.0	1.1	.4										41	41	10	
52/ 51		.7	1.1	1.7	1.0	1.3	.8	1.8	.1									61	61	22	4
50/ 49		.8	.7	1.0	1.0	.8	1.3	.6										44	44	35	19
48/ 47	.4	.6	1.1	.7	.6	1.0	1.1	.1										40	40	58	18
46/ 45	.6		1.3	.4	1.5	.7	.6	.1										37	37	59	23
44/ 43		.8	1.0	1.8	1.1	1.4												44	44	44	13
42/ 41		1.0	1.0	1.0	1.5	.8												38	38	65	24
40/ 39	.3	1.5	2.2	1.7	.6	.1	.1											47	47	57	26
38/ 37	.4	1.5	1.1	.6	.3	.8												34	34	74	42
36/ 35	.1	.8	.8	.8	.6	.1												24	24	63	40
34/ 33		.7	1.1	.1	.3	.7												21	21	39	26
32/ 31	1.1	1.4	.7	.7	1.0	.1												36	36	35	69
30/ 29	.4	1.0	1.4	.4	.4													26	26	31	51
28/ 27	.3	.8	.4	.8	.1													18	18	25	47
26/ 25	.3	.7	.3	.1														10	10	25	44
24/ 23		.6	.1															5	5	24	31
22/ 21		.7	.1															6	6	14	53
20/ 19	.3	.1																3	3	8	45
18/ 17		.3																2	2	1	27
16/ 15	.1	.1																2	2	3	33
14/ 13		.1																1	1	1	21
12/ 11		.3																2	2	2	12
10/ 9																				1	13
8/ 7	.3																	2	2	2	4
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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

27347 AMARILLO MAP TX 73-80 NOV  
STATION STATION NAME YEARS MONTH

PAGE 2 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
5/ 5	.1																	1	1	1	6
4/ 3																					12
2/ 1																					5
-2/ -3																					3
TOTAL	4.9	15.7	15.8	14.3	13.3	10.4	7.5	7.6	4.3	2.4	2.1	1.1	.4		.1		720	720	720	720	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	2624681	40231	55.9	22.890	720							
Dry Bulb	1612418	32964	45.8	11.981	720		14.3	3.1	.1			90
Wet Bulb	1125492	27702	38.5	9.109	720		21.6					90
Dew Point	677988	20482	28.4	11.515	720	.4	59.5					90

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23.47 AMARILLO MAP TX 73-80 NOV  
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															
67/ 67										.1																							1	1		
66/ 65										.1																							1	1		
64/ 63										.3	.3																						4	4		
62/ 61			.1	.3	.1	.1		.1	.6	.1	.1	.1																				13	13			
60/ 59			.6	.8			.4	.1		.1																						15	15			
58/ 57			.1	.3	.4	.1	.3	.7		.1																						15	15		1	
56/ 55		.3	.4	.8	.1	.1	.8	.4			.1																					23	23	11	2	
54/ 53	.3	.1	.3	.4	.8	.7	.6	.1	.1	.1																						26	26	9	8	
52/ 51	.1	.3	1.0	.4	.7	.7	.4	.4	.1																							30	30	14	7	
50/ 49		1.4	1.7	.4	.8	1.3	1.9		.1																							55	55	14	10	
48/ 47	.6	2.2	1.4	.8	1.0	.6	1.4	.6																								61	61	37	18	
46/ 45	.1	1.4	1.3	.8	.7	.8	.8																									43	43	43	28	
44/ 43	.4	1.9	.3	1.1	.4	1.8	.3																									45	45	55	20	
42/ 41		.7	.8	2.2	1.0	.4	.3																									39	39	47	27	
40/ 39	.1	1.4	1.8	.6	1.9	.6	.1																									47	47	33	17	
38/ 37	.8	2.1	1.9	1.1	1.4	.3																										55	55	63	33	
36/ 35	.3	1.4	1.9	1.3	.3	.1																										38	38	67	29	
34/ 33	1.0	1.8	2.6	.4	.1																											43	43	70	29	
32/ 31	1.1	2.8	2.9	.1	.8	.1																										57	57	58	71	
30/ 29	.6	.7	.4	.6																												21	21	64	58	
28/ 27	.4	.8	2.2	.1																												26	26	32	45	
26/ 25		.7	1.1	.6	.1																											18	18	14	31	
24/ 23		.6	.4	.1																												8	8	33	34	
22/ 21	.3	1.4	.3																													14	14	24	60	
20/ 19	.3	.3																														4	4	12	51	
18/ 17	.1	.3																														3	3	3	31	
16/ 15	.3	.4																														5	5	4	32	
14/ 13		.6																														4	4	2	16	
12/ 11																																		4	15	
10/ 9																																			9	
8/ 7	.4																															3	3	3	10	
6/ 5	.3	.1																														3	3	3	11	
4/ 3																																			4	
2/ 1																																			12	
Element (X)	Σ X'		Σ X		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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX STATION NAME

73-80 YEARS

NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
5/ -1																					1	
-2/ -3																					1	
TOTAL	7.5	23.6	23.9	13.1	11.5	7.8	7.4	2.5	1.0	.8	.8	.1					720	720		720		
Element (X)	Σ x'		Σ x		Σ	σ <sub>x</sub>	No. Obs.						Mean No. of Hours with Temperature					Total				
Rel. Hum.	3317216		46298		64.3	21.750	720						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb	1284096		29394		40.8	10.814	720						20.8	.1					90			
Wet Bulb	978045		25709		35.7	9.139	720						32.0							90		
Dew Point	661025		20155		28.0	11.605	720						.3	61.5							90	

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMAPILLO MAP TX 73-80 NOV  
 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
85																	.1	4	4		
83																		2	2		
81														.1	.0	.1		10	10		
79										.0	.0	.1	.1	.0	.0		19	19			
77										.0	.1	.1	.1	.0	.1		18	18			
75								.0	.1	.1	.2	.2	.2	.1	.0		33	33			
73						.0	.0	.1	.1	.1	.1	.2	.2	.1			48	48			
71					.0	.1	.1	.1	.1	.1	.2	.2	.2	.1			56	56			
69					.0	.0	.0	.1	.1	.2	.4	.4	.1	.0			75	75			
67			.0		.1	.1	.1	.2	.1	.3	.4	.2	.0				78	78			
65			.0	.0	.1	.1	.1	.2	.2	.3	.4	.0					87	87			
63		.0	.1	.1	.1	.1	.1	.2	.3	.3	.3	.2	.1				102	102	4		
61		.0	.1	.2	.2	.2	.2	.3	.3	.4	.4	.2	.0				129	129	7	2	
59	.0	.1	.2	.2	.2	.2	.1	.6	.3	.6	.3	.1					162	162	21	5	
57	.1	.1	.2	.2	.3	.4	.5	.6	.3	.2							157	157	46	9	
55	.0	.3	.3	.4	.4	.3	.6	.7	.3	.1	.0						195	195	98	29	
53	.1	.4	.5	.4	.6	.8	.9	.5	.2	.0							247	247	138	45	
51	.1	.3	.7	.6	.7	.9	.7	.6	.1								272	272	197	46	
49	.2	.6	.8	.9	.8	.8	.9	.2	.0								278	278	213	87	
47	.4	1.1	1.1	.7	.7	.9	.6	.2	.0								340	340	336	116	
45	.2	1.6	.6	.7	.8	.7	.4	.1									298	298	359	141	
43	.3	1.6	.9	1.2	.8	.9	.2	.1									336	336	442	187	
41	.2	1.2	1.2	1.0	.8	.6	.3	.0									306	306	388	244	
39	.4	1.4	1.7	1.2	1.0	.3	.1										358	358	378	193	
37	.5	1.5	1.3	1.0	.8	.6	.1										326	326	442	259	
35	.5	1.7	1.2	1.2	.4	.1											286	286	425	300	
33	.8	1.6	1.4	.6	.4	.1											288	288	418	295	
31	1.1	2.6	1.6	.4	.6	.1											364	364	358	542	
29	.7	1.5	1.2	.3	.2												231	231	415	416	
27	.7	1.4	.9	.3	.1												198	198	319	373	
25	.1	1.2	.8	.3	.0												137	137	184	407	
23	.0	.6	.2	.1													49	49	189	253	
21	.1	.8	.3														69	69	123	390	
19	.2	.9	.2														54	54	72	375	
Element (X)	Σ X <sup>2</sup>		Σ X		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 0-26.3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 NOV  
 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	
16/ 17	.4	.4	.0															48	48	69	227	
16/ 15	.2	.2																24	24	33	242	
14/ 13	.1	.2																19	19	20	119	
12/ 11	.1	.2																13	13	18	99	
10/ 9	.1	.2																14	14	13	107	
8/ 7	.2	.1																17	17	21	67	
5/ 5	.1	.1																10	10	9	65	
4/ 3	.1																	2	2	4	49	
2/ 1	.0																	1	1	1	44	
0/ -1																					19	
-2/ -3																					8	
TOTAL	7.9	23.5	17.6	11.6	10.2	8.1	6.7	4.3	2.6	2.5	2.0	1.3	1.0	.4	.1	.2	.1	5760	5760		5760	
																		5760		5760		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	24835240	351576	61.0	24.212	5760							
Dry Bulb	12012692	251268	43.6	13.513	5760		156.2	42.9	16.7	3.4		720
Wet Bulb	8537272	214366	37.2	9.855	5760		231.0					720
Dew Point	5395203	163887	28.5	11.276	5760	3.4	475.2					720

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 DEC  
 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
67/59									.1								1	1		
57/55		.4		.1	.1			.3	.1	.3							10	10		
47/53				.5			.5	.5	.1								13	13	3	1
52/51		.3		.1		.1		.3	.1								7	7	3	2
57/49		.1	.1	.1		.4	.4										9	9	6	2
47/47				.3		.9	.9										16	16	3	1
47/45		.1		.3	.8	.5	.1										14	14	2	1
44/43		.3	.4	.8	.4	.8											20	20	4	6
-2/41			.8	1.1	1.7	.8	.4										36	36	11	2
47/39		.4	.9	1.2	1.7	.7											37	37	18	2
37/37		.4	1.5	2.0	1.9	.9	.1										51	51	41	3
36/35	.3	1.1	1.7	2.7	1.2	.1											53	53	34	6
37/33	.4	1.7	1.7	3.0	1.9	.1											66	66	51	16
27/31	.4	3.1	4.0	3.4	.8	.1											88	88	71	22
27/29	.1	2.7	4.3	1.7	.4												69	69	84	18
27/27	.3	3.4	3.0	.7													54	54	89	52
27/25	.3	3.6	2.0	.8													50	50	91	49
27/23	.4	2.2	1.7	.7													37	37	65	42
22/21		.7	1.6														17	17	40	77
27/19	.7	2.2	1.2	.3													32	32	37	101
17/17	.1	2.2	.5														21	21	28	66
16/15		2.2	.1														17	17	23	50
14/13		.9															7	7	14	48
12/11	.1	.4															4	4	12	49
10/9	.7	.5	.1														10	10	9	44
7/7		.3															2	2	3	35
6/5																			2	16
4/3		.4															3	3	3	8
2/1																				10
-2/-3																				3
-4/-5																				3
-6/-7																				6
-8/-9																				3
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_A$	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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 DEC  
 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	
TOTAL	3.8	29.4	25.4	20.3	11.0	5.6	2.6	1.1	.4	.4								744	744	744	744	
Element (X)	Σ <sub>2</sub>		Σ <sub>3</sub>		Σ	p <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	3042457		45739		61.5	17.615		744		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	819841		23633		31.8	9.647		744			51.4					93						
Wet Bulb	605848		20408		27.4	7.873		744			71.4					93						
Dew Point	326975		14045		18.9	9.123		744		1.9	87.8					93						

USAETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 YEARS DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 57									.1									1	1					
56/ 55		.4		.1				.1	.1									6	6					
54/ 53				.3		.1	.3	.7	.1									11	11	3				
52/ 51			.5				.4	.5										11	11		3			
50/ 49		.1	.1	.1		.5	.5											11	11	4				
48/ 47					.7	.7	.3											12	12	5	3			
46/ 45					.7	.5	.3											11	11		3			
44/ 43				.7	.9	.4												15	15	3	2			
42/ 41			.4	.8	.4	.7												17	17	5	1			
40/ 39			1.3	1.2	1.2	.5												32	32	22				
38/ 37		.4	.9	1.6	1.5	.1	.3											36	36	27				
36/ 35		1.3	.9	3.0	1.2	.3	.1											51	51	41	2			
34/ 33		2.0	2.4	2.2	1.3	.1												60	60	28	9			
32/ 31	.7	3.9	3.9	2.0	1.1													86	86	62	36			
30/ 29		4.6	4.0	1.2														73	73	85	26			
28/ 27	.7	3.2	2.7	1.1														57	57	97	39			
26/ 25	.1	4.6	3.2	.7														64	64	80	58			
24/ 23	.8	3.2	2.7	.1														51	51	81	50			
22/ 21		2.8	1.7															34	34	54	78			
20/ 19	.5	3.1	.5	.3														33	33	46	81			
18/ 17	.4	1.9	.1															18	18	33	71			
16/ 15		2.2	.1	.4														20	20	16	62			
14/ 13	.3	1.1																10	10	18	44			
12/ 11		.8	.3															8	8	10	51			
10/ 9	.8	.5	.1															11	11	15	53			
8/ 7	.3																	2	2	6	21			
6/ 5																					16			
4/ 3																					11			
2/ 1		.4																3	3	2	9			
0/ -1																				1				
-2/ -3																					2			
-4/ -5																					7			
-6/ -7																					3			
-8/ -9																					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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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GLOBAL CLIMATOLOGY BRANCH  
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**PSYCHROMETRIC SUMMARY**

23.47 AMARILLO MAP TX 73-80 DEC  
 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	Dew Point															
56/ 57		.1																													1	1			
56/ 55		.3										.3																			5	5	2		
54/ 53				.1								.3	.1																		4	4	1 3		
52/ 51		.4	.5								.3	.3	.1																		12	12			
51/ 49								.1	.3			.1																			4	4	4		
49/ 47								.4	.1																						4	4	5 3		
48/ 45						.3	.5																								6	6	2		
47/ 43			.1	.4	.3	.5																									7	7	4		
42/ 41			.4	1.2	.4	.4																									18	18			
41/ 39		.1	2.0	1.9	1.1	.3	.1																								41	41	13		
39/ 37		.3	1.6	1.2	.7	.1																									29	29	16		
38/ 35		1.6	1.9	1.2	1.2	.1	.3																								47	47	38 1		
37/ 33		.7	1.9	2.2	1.2		.3																								46	46	45 9		
32/ 31	.3	3.6	5.4	3.4	.7																										99	99	43 25		
30/ 29	.1	4.3	3.1	1.1																											64	64	68 17		
29/ 27	.4	3.4	3.0	1.2																											59	59	102 35		
28/ 25	.5	4.7	3.4	.1																											65	65	76 64		
27/ 23	.3	4.0	2.4																												50	50	88 51		
22/ 21	1.6	5.1	2.4																												68	68	77 74		
20/ 19	.3	1.6	.5	.4																											21	21	44 93		
18/ 17	.7	2.7	.1																												26	26	30 74		
16/ 15	.3	3.4	.1	.3																											30	30	33 65		
14/ 13	.1	1.6																													13	13	20 43		
13/ 11	.4	.4																													6	6	17 51		
10/ 9	.4	.5	.1																												8	8	6 43		
8/ 7	.7	.3																													7	7	11 33		
5/ 5																																		1 18	
4/ 3	.1																														1	1	1 17		
2/ 1		.3																													2	2	1 1		
0/ -1																																	1 1		
-2/ -3		.1																													1	1	1 5		
-4/ -5																																	4		
-6/ -7																																	3		
-8/ -9																																	4		
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 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

27-47 STATION AMARILLO MAP TX 73-80 YEARS DEC 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
6/ 65								.1			.1							2	2	
4/ 63						.1		.1		.1								3	3	
2/ 61							.1	.3	.4									6	6	
2/ 59							.1	.4	.3									6	6	
5/ 57		.1	.3		.3	.1	.4	.3	.3									13	13	
5/ 55		.1	.1			.1	.1	.7	.3	.1								12	12	2
4/ 53			.3	.1	.1	.4	1.3	1.3	.1									28	28	3
2/ 51		.1	.1	.1	.1	.7	.8	1.2										24	24	5
5/ 49					.1	.9	1.1	.4										19	19	3
4/ 47				.3	.8	.7	.8	.3										21	21	5
4/ 45			.3	.8	1.6	1.6	1.2	.1										36	36	14
4/ 43			.3	.8	1.9	1.5	.4		.1									37	37	17
2/ 41	.1		.7	1.7	2.7	2.0	.1											55	55	25
40/ 39			1.5	2.2	2.4	.7												50	50	42
3/ 37		.7	1.9	1.9	.8	.7	.1											45	45	50
2/ 35		.9	1.6	2.7	1.7	.1	.1											54	54	74
3-4/ 33		1.2	3.0	2.4	1.1													57	57	68
2/ 31		3.4	2.2	2.2	.8	.3												65	65	79
2/ 29	.7	2.2	2.8	1.6	.1													55	55	81
2-4/ 27	.4	1.6	1.5	.9														33	33	67
2-4/ 25	.3	2.2	2.3	.1	.1													37	37	60
2-4/ 23	.1	.9	.8	.3														16	16	43
2-2/ 21	.3	1.9	.5	.3														22	22	36
2-2/ 19		.9	.5	.1														12	12	17
1-4/ 17	.1	.7		.1														7	7	13
1-6/ 15		.5	.7															9	9	11
1-4/ 13	.1	.3																3	3	9
1-2/ 11	.4	.5	.1															8	8	6
1-4/ 9	.4	.3																5	5	9
2/ 7	.1																	1	1	2
2/ 5		.1																1	1	1
4/ 3	.1																	1	1	1
2/ 1		.1																1	1	1
2/ -1																		1	1	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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 71

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GLOBAL CLIMATOLOGY BRANCH  
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**PSYCHROMETRIC SUMMARY**

23047 AMARILLO MAP TX 73-80 DEC  
STATION STATION NAME YEARS MONTH  
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
-2/-3																					1
-4/-5																					6
-7/-7																					2
-7/-9																					1
TOTAL	3.2	18.8	21.1	18.1	14.8	9.9	6.6	4.6	1.7	.8	.3							744	744	744	
Element (X)	Σx²		Σx		Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature													
Rel. Num.	2582412		41532		55.8	18.849	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	1087566		27230		36.6	11.065	744		34.5					93							
Wet Bulb	751303		22831		30.7	8.260	744		54.5					93							
Dew Point	375453		15383		20.7	8.789	744	2.3	88.6					93							

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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 DEC  
 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
76/ 75											.1			.1				2	2		
74/ 73											.1				.1			2	2		
72/ 71									.1		.1	.4	.3					7	7		
70/ 69							.3		.1	.8	.7	.3	.1					17	17		
68/ 67						.1	.1		.4	1.2	.9	.1						21	21		
66/ 65						.1	.1	.3	.4	1.5	.8	.3						26	26		
64/ 63							.1	.5	.8	.8	1.3							27	27		
62/ 61						.1		.7	1.3	1.2	.5							29	29		
60/ 59				.1		.1	.1	.9	.8	1.6	.3	.1						31	31		
58/ 57		.3		.1			.5	1.5	2.0	.7								38	38		
56/ 55			.1			.1	1.5	1.2	1.1	.4								33	33	6	1
54/ 53						.7	.8	1.6	.7									28	28	6	1
52/ 51					.3	.8	2.4	2.0	.9	.1								49	49	10	
50/ 49					.7	.8	3.4	1.1	.4									47	47	22	
48/ 47		.1		.1	.9	3.1	2.4	.5										54	54	45	4
46/ 45				.1	.7	1.3	1.6	1.5	.4									37	37	51	5
44/ 43			.1	.7	1.3	2.3	.8	.3										41	41	59	3
42/ 41			.5	.3	1.5	1.6	.5											33	33	63	1
40/ 39			.5	1.7	.8	1.5	.5											38	38	54	
38/ 37		.1	1.5	1.5	.8	.8	.1											36	36	89	3
36/ 35		.5	.4	.8	1.5	.1												25	25	73	14
34/ 33		.9	.9	.8	.7	.3												27	27	67	16
32/ 31		.9	.7	.7	.5													21	21	43	60
30/ 29	.1	.4	.5	.4	.1													12	12	40	40
28/ 27	.1	.7	.4	.8	.1													15	15	35	67
26/ 25	.3	.5	.5	1.1	.1													19	19	20	69
24/ 23	.1	.5	.5															7	7	18	63
22/ 21			.3	.1														3	3	10	63
20/ 19		.5	.1															5	5	13	77
18/ 17		.4	.1															4	4	5	56
16/ 15		.5																2	2	4	46
14/ 13	.3	.3																4	4	5	28
12/ 11	.1	.5																3	3	4	45
10/ 9		.1																1	1	2	31
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ n		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 FC-7M 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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# PSYCHROMETRIC SUMMARY

23-47	AMARILLO MAP TX	73-80	DEC
STATION	STATION NAME	YEARS	MONTH

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
8/ 7																					19
6/ 5																					7
4/ 3																					5
2/ 1																					8
./ -1																					8
-2/ -3																					1
-2/ -7																					2
-1/ -9																					1
TOTAL	1.1	6.7	7.3	9.4	10.8	14.1	15.1	11.3	8.5	7.0	5.0	2.4	.8	.5	.1		744	744		744	

Element (X)	Σ x <sup>2</sup>	Σ x	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
	1447058	29592	39.8	19.065		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	1800242	35316	47.5	12.912	744		12.0	6.1	.5		93
Dry Bulb	1060292	27384	36.8	8.397	744		24.9				93
Wet Bulb	397585	15889	21.4	8.855	744	1.5	87.0				93
Dew Point											

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 YEARS DEC  
STATION STATION NAME MONTH

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

USAFETAC FORM 0-26-3 (OL A) 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
76/ 75												.3		.1	.1		4	4	
74/ 73									.1			.4		.3	.3		8	8	
72/ 71								.1			.1	.8	1.2	.1			18	18	
70/ 69							.3			.8	1.2	.8	.4	.4			20	20	
68/ 67							.1	.4	.7	.8	.8	.4					24	24	
66/ 65						.1	.3	.4	.9	1.2	.8						28	28	
64/ 63							.1	.7	1.3	1.1	.3						26	26	
62/ 61					.3		.5	1.9	1.7	.8	.4						42	42	
60/ 59					.1		.1	.8	.8	1.3	.7	.1					30	30	
58/ 57						.4	1.7	1.5	.5								31	31	2
56/ 55						.1	1.1	1.2	2.3	.5							39	39	5
54/ 53						.7	.8	3.5	.9	.4							47	47	4
52/ 51					.4	.7	1.7	.9	1.1								36	36	14
50/ 49					.3	1.5	3.2	1.7	.3								52	52	25
48/ 47					.5	1.6	2.3	1.3	.1								44	44	48
46/ 45				.1	.5	2.2	2.3	.5	.1								43	43	57
44/ 43		.1		.4	.5	1.2	1.2	.1									27	27	63
42/ 41		.3		.8	1.1	1.2	.7										34	34	58
40/ 39			1.3	.9	1.2	1.3	.4										39	39	83
38/ 37		.4	.5	1.1	.7	.7											25	25	67
36/ 35		1.1		1.3	.8	.5											28	28	79
34/ 33		.7	.3	.4	.4												13	13	63
32/ 31	.1	.8	1.2	.1	.8	.4											26	26	40
30/ 29	.1	.4		.4													7	7	43
28/ 27	.1	.7	.5	.9	.4												20	20	26
26/ 25		.1	.4	.1													5	5	10
24/ 23		.1	.5	.4													8	8	21
22/ 21		.1	.3	.3													3	3	11
20/ 19	.1	.4	.3														6	6	8
18/ 17		.1															1	1	5
16/ 15		.5															4	4	3
14/ 13	.1	.1															2	2	5
12/ 11	.3	.1															3	3	2
10/ 9	.1																1	1	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																			

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2347 AMARILLO MAP TX 73-80 DEC  
 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
≥ 7																					26
5/ 5																					16
4/ 3																					5
3/ 1																					8
2/ -1																					7
1/ -3																					4
-2/ -7																					2
-3/ -11																					1
TOTAL	.9	6.3	5.6	7.4	8.1	12.1	14.4	13.3	10.6	7.7	5.5	5.1	1.6	.9	.4			744	744	744	
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	1271316	27212	36.6	19.275	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	1938367	36689	49.3	13.182	744		10.8	9.3	1.5			93									
Wet Bulb	1098754	27930	37.5	8.224	744		22.0					93									
Dew Point	371877	15269	20.5	8.874	744	1.8	87.3					93									

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 YEARS DEC 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
67/67										.1	.1							2	2		
66/65							.1					.1						2	2		
64/63								.1		.4	.3							6	6		
62/61						.1		.1		.3	.1	.1						6	6		
60/59					.1			.4	.5	.5		.1						13	13		
58/57					.4		.1	1.1	.5									16	16		
56/55					.7	.1	.3	.9	.1									16	16	1	
54/53			.1	.1	.1	.3	.8	1.1										25	25	1	
52/51			.1	.3	.5	1.6	.7											24	24	4	
50/49		.1	.1	.1	.8	1.6	1.5	.8	.1									39	39	4	
48/47				.1	.8	1.5	1.9	.7										37	37	6	
46/45			.1	.7	1.6	1.6	1.2	.1										40	40	15	7
44/43				.8	2.4	3.0	.9											53	53	24	3
42/41		.1	.9	1.1	2.4	2.3	1.1											59	59	36	1
40/39		.7	.7	2.4	2.8	1.6	.3											63	63	53	2
38/37		.4	1.1	1.3	1.6	1.1												41	41	69	6
36/35		.7	1.2	1.2	3.0	.7	.1											51	51	74	8
34/33		1.2	1.6	1.9	1.6	.1												48	48	82	21
32/31	.5	1.7	2.3	2.4	1.5	.1												64	64	72	34
30/29	.1	1.6	.9	1.2	.8													35	35	73	37
28/27		1.1	1.1	.8	.3													24	24	70	42
26/25		1.3	.4	.7	.1													19	19	48	55
24/23		.3	1.1	.3														12	12	34	56
22/21		.5	.5	.3														10	10	20	86
20/19		.8	.4	.3														11	11	13	72
18/17	.1	.8	.3															9	9	15	63
16/15		.7	.1															6	6	9	47
14/13	.1	.1																2	2	8	50
12/11	.4	.1	.3															6	6	5	37
10/9		.3																2	2	2	38
8/7	.1	.3																3	3	4	29
6/5																				2	14
4/3																					7
2/1																					14
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 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 DEC  
 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
-1																					1
-2																					5
-3																					3
-4																					3
-5																					2
-6																					1
TOTAL	1.5	12.9	13.4	15.7	20.7	15.2	9.8	5.1	3.2	1.5	.5	.4							744	744	744
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.	2064575	36515	49.1	19.149	744		= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	93								
Dry Bulb	1231461	29169	39.2	10.875	744			25.4	.3				93								
Wet Bulb	804036	23750	31.9	7.859	744			46.9					93								
Dew Point	349471	14651	19.7	9.058	744		1.9	87.0					93								

USAFETAC FORM JUN 71 0-26-3 (OL A); PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

23-47 STATION AMARILLO MAP TX 73-80 YEARS DEC 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
59/59						.1	.1				.1							3	3		
57/57					.1													1	1		
55/55		.1		.3					.5	.7								12	12		
53/53			.1	.1				.4	.7	.1								11	11	1	
51/51		.1		.3	.1			.3	.5	.1								11	11	1	
49/49		.4		.3	.3	.1	1.3											16	16	8	
47/47		.1		.7	.3	.9	.3											17	17	4	
45/45				.5	1.2	1.3	.7											28	28	1	
43/43			.3	1.1	1.3	1.2	.4											32	32	3	
41/41		.3	.5	1.6	1.3	.3	.1											34	34	14	
39/39	.1	.4	1.2	1.6	2.7	1.5	.3											58	58	35	
37/37		1.2	.9	2.2	1.6	.9	.1											49	49	48	
35/35		1.1	1.5	3.2	3.4	.3												70	70	49	
33/33	.4	1.5	1.6	3.2	2.2	.5												66	66	64	
31/31	.4	3.2	3.2	2.2	1.5													78	78	72	
29/29	.1	1.7	2.6	2.3	.1													51	51	75	
27/27	.4	4.0	2.2	1.9	.3													65	65	102	
25/25	.1	1.6	.9	1.7	.1													34	34	83	
23/23		1.3	1.2	.3														21	21	52	
21/21	.3	.9	.9	.5														20	20	28	
19/19	.5	1.1	1.2	.1														22	22	32	
17/17		1.3	.3	.4														15	15	23	
15/15		.9																7	7	19	
13/13	.1	.9																8	8	8	
11/11	.3	.3																4	4	9	
9/9	.3	.1	.3															5	5	4	
7/7		.3																2	2	2	
5/5	.1																	1	1	4	
3/3	.3																	2	2	2	
1/1	.1																	1	1	1	
-1/-1																				2	
-3/-3																				1	
-5/-5																				3	
-7/-7																				4	
Element (X)	Σ X'	Σ X	X	C <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# PSYCHROMETRIC SUMMARY

23047      AMARILLO MAP TX      73-80      DEC  
STATION      STATION NAME      YEARS      MONTH  
PAGE 2      2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
-2/-9																																						6
-10/-11																																						2
TOTAL	3.6	23.1	19.0	24.2	16.5	6.7	4.0	1.7	.9	.1								744	744	744	744																	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	2740122	43002	57.8	18.514	744	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93																										
Dry Bulb	919099	25133	33.8	9.712	744		42.0					93																										
Wet Bulb	657555	21353	28.7	7.758	744		64.5					93																										
Dew Point	336411	14217	19.1	9.335	744	2.3	86.9					93																										

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 YEARS DEC 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															
76/ 75												.1		.0	.0			6	6																
74/ 73										.0		.1		.0	.1			10	10																
72/ 71									.0		.0	.1	.2	.1				25	25																
70/ 69								.1		.0	.2	.2	.0	.1				37	37																
68/ 67							.0	.0	.1	.2	.3	.2	.1					47	47																
66/ 65						.0	.1	.1	.1	.3	.3	.2						58	58																
64/ 63						.0	.0	.1	.2	.3	.4	.0						62	62																
62/ 61					.0	.0	.2	.4	.5	.2	.1							83	83																
60/ 59				.0	.0	.0	.1	.3	.3	.5	.1	.1						84	84																
58/ 57		.1	.0	.0	.1	.0	.2	.6	.5	.2								101	101	2															
56/ 55		.2	.1	.1	.0	.1	.4	.5	.7	.2								133	133	16	1														
54/ 53			.1	.2	.0	.3	.6	1.2	.4	.1								167	167	22	8														
52/ 51		.1	.2	.1	.2	.4	.9	.8	.3	.0								174	174	34	6														
50/ 49		.1	.1	.1	.3	.8	1.5	.5	.1									197	197	76	4														
48/ 47		.0	.2	.5	1.2	1.1	.4	.0										205	205	121	20														
46/ 45		.0	.3	1.0	1.2	.9	.2	.0										215	215	140	30														
44/ 43		.1	.2	.7	1.1	1.3	.5	.1	.0									232	232	173	24														
42/ 41	.0	.1	.6	1.1	1.4	1.2	.4											286	286	212	12														
40/ 39	.0	.2	1.2	1.6	1.7	1.0	.2											358	358	320	5														
38/ 37		.5	1.2	1.6	1.2	.6	.1											312	312	407	24														
36/ 35	.0	1.0	1.2	2.0	1.7	.3	.1											379	379	462	61														
34/ 33	.1	1.2	1.7	2.0	1.3	.1												383	383	468	118														
32/ 31	.3	2.6	2.9	2.0	1.0	.1												527	527	482	285														
30/ 29	.2	2.2	2.3	1.2	.2													366	366	549	257														
28/ 27	.3	2.3	1.8	1.0	.1													327	327	588	398														
26/ 25	.2	2.3	1.6	.7	.1													293	293	468	494														
24/ 23	.2	1.5	1.4	.3														202	202	402	410														
22/ 21	.3	1.5	1.0	.2														177	177	276	612														
20/ 19	.3	1.3	.6	.2														142	142	210	679														
18/ 17	.2	1.3	.1	.1														101	101	152	485														
16/ 15	.0	1.3	.2	.1														95	95	118	423														
14/ 13	.2	.7																49	49	87	339														
12/ 11	.3	.4	.1															42	42	65	356														
10/ 9	.3	.3	.1															43	43	49	331														
Element (X)	Σ X <sup>2</sup>		Σ X		X̄	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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-80 DEC  
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
4/ 7	.2	.1																17	17	28	205
6/ 5	.0	.0																2	2	10	104
4/ 3	.1	.1																7	7	7	71
2/ 1	.0	.1																7	7	5	65
1/ -1																				2	27
-2/ -3		.0																1	1	1	22
-4/ -5																					26
-6/ -7																					25
-8/ -9																					20
-10/-11																					5
TOTAL	3.1	21.7	18.4	15.7	12.1	8.8	7.0	4.9	3.3	2.2	1.4	1.0	.3	.2	.1			5952	5952	5952	5952

Element (X)	$\Sigma X^1$	$\Sigma X$	$\Sigma X^2$	$\Sigma X^3$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	19975721	321267	54,021,042		5952							
Dry Bulb	9229013	221143	37,213,044		5952	.1	299.8	15.6	2.0			744
Wet Bulb	6070384	182280	30,69,056		5952	.4	437.4					744
Dew Point	2779783	116971	19,78,991		5952	15.6	704.9					744

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23047 AMARILLO MAP TX 73-81 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		
106/105																		.0	4	4			
104/103																		.0	12	12			
102/101																	.0	.1	42	42			
100/99																	.0	.0	.1	83	83		
98/97																	.0	.1	.1	169	169		
96/95														.0	.1	.1	.1	.1	.1	325	325		
94/93										.0	.0	.1	.2	.2	.2	.2	.1	.1	.1	577	577		
92/91									.0	.0	.1	.3	.3	.2	.1	.1	.1	.1	.1	776	776		
90/89								.0	.0	.1	.3	.4	.3	.2	.1	.1	.0	.0	.0	971	971		
88/87							.0	.0	.1	.3	.4	.4	.2	.1	.1	.1	.0	.0	.0	1112	1112		
86/85						.0	.0	.1	.3	.4	.4	.3	.2	.1	.1	.0	.0	.0	.0	1315	1315		
84/83						.0	.1	.3	.4	.4	.3	.2	.1	.1	.1	.0	.0	.0	.0	1353	1353		
82/81				.0	.0	.1	.2	.5	.4	.3	.2	.1	.1	.2	.0	.0	.0	.0	.0	1567	1567		
80/79				.0	.0	.1	.5	.4	.4	.3	.2	.1	.2	.2	.0	.1	.0	.0	.0	1723	1723		
78/77				.0	.1	.5	.4	.4	.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1817	1817		
76/75			.0	.1	.3	.5	.5	.4	.3	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	2081	2081	8	
74/73			.0	.2	.7	.5	.4	.4	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0	2274	2274	86	1
72/71		.0	.2	.6	.6	.6	.4	.3	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	2567	2567	768	7
70/69		.1	.5	.7	.6	.4	.3	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	2578	2578	2068	48
68/67	.0	.2	.9	.6	.5	.3	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	2764	2764	3421	252
66/65	.0	.4	.9	.5	.4	.3	.3	.2	.2	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	2795	2795	4265	835
64/63	.0	.6	.7	.4	.3	.2	.2	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	2488	2488	4056	2107
62/61	.0	.8	.4	.4	.3	.3	.3	.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	2592	2592	3934	3105
60/59	.1	.7	.4	.3	.3	.2	.3	.4	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	2419	2419	3208	3756
58/57	.1	.6	.4	.3	.3	.3	.3	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2222	2222	2806	3361
56/55	.1	.6	.4	.3	.3	.3	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2157	2157	2652	3436
54/53	.0	.6	.4	.3	.3	.4	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2255	2255	2549	2856
52/51	.1	.5	.4	.4	.4	.4	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2202	2202	2574	2594
50/49	.1	.4	.4	.3	.4	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2109	2109	2266	2497
48/47	.1	.4	.4	.4	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2004	2004	2690	2081
46/45	.1	.5	.4	.4	.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1935	1935	2742	2021
44/43	.0	.5	.6	.6	.6	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1827	1827	2612	1891
42/41	.0	.4	.5	.6	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1747	1747	2408	1721
40/39	.1	.5	.7	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2032	2032	2588	1611
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 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMA

23147 AMARILLO MAP TX 73-81 ALL MONTH ALL HOURS T.C. S.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew																			
37/37	.1	.6	.7	.5	.5	.2	.0																											1807	1807	2848	17			
36/35	.1	.7	.6	.6	.4	.1	.0																												1767	1767	2826	20		
34/33	.1	.8	.7	.6	.3	.0	.0																												1754	1754	2478	20		
32/31	.2	1.2	.9	.5	.2	.0																													2173	2173	2312	34		
30/29	.3	.8	.6	.3	.1	.0																													1454	1454	2528	26		
28/27	.3	.8	.5	.2	.0																														1246	1246	2211	28		
26/25	.2	.8	.5	.1	.0																														1125	1125	1621	28		
24/23	.1	.5	.2	.1																															623	623	1426	19		
22/21	.2	.6	.2	.0																															756	756	1009	27		
20/19	.3	.5	.2	.0																															673	673	784	30		
18/17	.2	.4	.1	.0																															463	463	612	21		
16/15	.1	.4	.1	.0																															411	411	476	19		
14/13	.1	.2	.0																																276	276	408	19		
12/11	.1	.2	.0																																221	221	295	13		
10/9	.1	.1	.0																																190	190	224	10		
8/7	.1	.1	.0																																134	134	170	7		
6/5	.1	.0																																	49	49	74	4		
4/3	.0	.0																																	44	44	53	3		
2/1	.0	.0																																	34	34	26	2		
0/-1	.0	.0																																	11	11	20	1		
-2/-3	.0	.0																																	10	10	11	1		
-4/-5	.0	.0																																	5	5	7	1		
-6/-7	.0	.0																																	2	2	1	1		
-8/-9																																						1	1	
-10/-11																																								
-12/-13																																								
-14/-15																																								
-16/-17																																								
-18/-19																																								
TOTAL	3.4	16.4	13.7	11.2	10.0	8.6	7.8	6.5	5.2	4.5	3.6	3.0	2.2	1.7	1.1	.7	.6																		70122		70			
																																				70122		70122		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	257503522	3922562	55.923	3.303	70122	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	250558501	3952689	56.419	3.893	70122	3.5	1235.3	6013.8	2025.2	1149.1	151.5	8
Wet Bulb	172461752	3305540	47.115	3.404	70122	5.1	1780.7	793.9	11.7			8
Dew Point	121793338	2660580	37.917	2.242	70122	67.6	3750.5	38.5	.1			8

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
AMARILLO MAP, TEXAS. REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC (U)

UNCLASSIFIED

USAFETAC/DS-81/101

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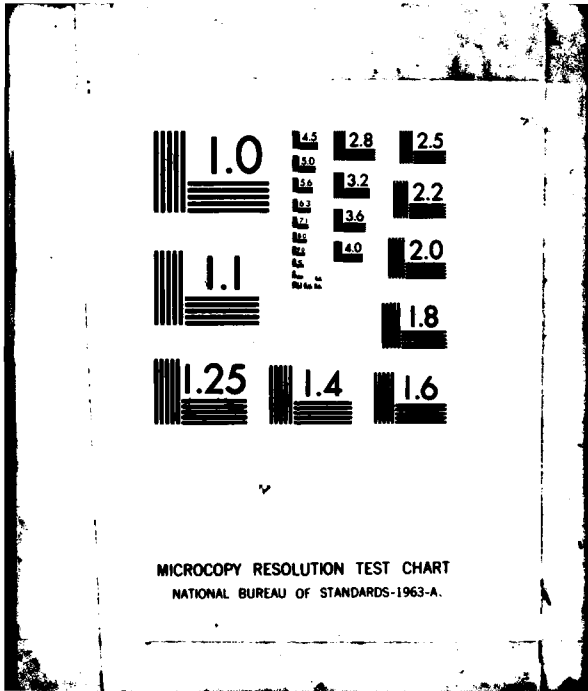
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GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23047 AMARILLO MAP TX

73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	28.1	33.6	40.8	50.7	57.2	67.7	72.0	69.6	62.4	51.6	38.7	31.8	50.4
	S.D.	10.792	10.432	9.780	9.606	8.064	7.202	4.892	4.858	7.592	8.803	10.249	9.647	17.309
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
03-05	MEAN	26.0	31.7	38.0	47.7	55.0	64.4	68.9	66.8	59.8	49.0	36.6	30.3	47.9
	S.D.	10.275	10.088	9.533	9.320	7.749	6.394	4.201	4.269	6.949	8.486	9.683	9.658	16.760
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
06-08	MEAN	24.5	30.2	36.9	47.6	56.3	65.8	69.7	67.0	59.3	48.0	35.5	28.8	47.5
	S.D.	9.799	9.610	9.212	9.132	7.645	6.573	4.787	4.503	7.016	8.150	9.767	9.188	17.464
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
09-11	MEAN	30.0	38.1	47.1	58.2	65.7	76.5	80.5	77.5	69.2	59.0	44.0	36.6	56.9
	S.D.	11.940	12.656	12.151	10.191	9.008	8.037	6.495	6.684	9.888	10.591	11.769	11.065	19.601
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
12-14	MEAN	40.0	48.0	55.9	66.5	72.9	83.7	87.2	84.7	76.6	68.1	52.9	47.5	65.4
	S.D.	14.598	15.333	13.704	11.143	10.247	8.824	6.874	7.236	11.079	12.131	13.991	12.912	19.501
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
15-17	MEAN	43.3	51.1	58.8	69.1	75.2	85.9	88.6	86.3	78.4	70.1	54.7	49.3	67.7
	S.D.	15.276	15.806	13.462	11.424	10.527	8.949	7.079	7.138	11.168	12.186	14.543	13.182	19.348
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
18-20	MEAN	35.8	43.7	52.9	63.6	70.5	81.1	84.5	81.3	72.5	61.5	45.8	39.2	61.1
	S.D.	12.896	13.865	12.427	11.319	10.129	9.149	7.068	7.175	9.996	10.707	11.981	10.875	19.819
	TOTAL OBS	744	678	744	720	741	720	744	744	720	744	720	744	8763
21-23	MEAN	30.7	36.8	44.9	54.8	61.6	72.5	76.5	73.6	65.5	54.8	40.8	33.8	53.9
	S.D.	11.191	11.082	10.215	9.818	8.314	7.541	5.502	5.451	7.937	9.013	10.814	9.712	18.074
	TOTAL OBS	744	678	744	720	741	720	744	744	720	744	720	744	8763
ALL HOURS	MEAN	32.3	39.2	46.9	57.3	64.3	74.7	78.5	75.8	68.0	57.8	43.6	37.2	56.4
	S.D.	13.765	14.468	13.811	12.971	11.690	11.126	9.472	9.462	11.439	12.816	13.513	13.044	19.893
	TOTAL OBS	5952	5424	5952	5760	5946	5760	5952	5952	5760	5952	5760	5952	70122

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23047 AMARILLO MAP TX

73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV.	DEC	ANNUAL
0-02	MEAN	24.8	29.2	34.9	43.8	51.6	59.5	63.0	62.4	56.4	45.2	34.7	27.4	44.5
	S.D.	8.942	7.845	7.918	8.501	7.573	4.886	2.740	3.506	6.413	8.054	9.080	7.873	15.306
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
3-05	MEAN	23.3	28.0	33.4	42.3	50.4	58.1	62.0	61.3	55.3	43.8	33.3	26.5	43.2
	S.D.	8.730	7.801	8.154	8.837	7.779	5.133	2.696	3.416	6.416	8.145	8.906	7.820	15.391
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
6-08	MEAN	22.2	26.9	32.6	42.5	51.2	59.2	62.8	61.5	55.1	43.3	32.5	25.4	43.0
	S.D.	8.519	7.675	7.913	8.766	7.423	5.062	2.764	3.446	6.524	7.976	9.011	7.708	15.954
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
9-11	MEAN	26.1	32.1	38.6	48.1	55.6	63.6	67.0	65.9	59.5	49.2	37.8	30.7	47.9
	S.D.	9.400	8.604	8.208	7.755	6.832	4.728	2.347	3.079	6.704	7.686	9.181	8.260	15.732
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
12-14	MEAN	32.4	37.5	42.9	51.3	57.9	65.4	68.3	67.5	61.6	52.8	42.4	36.8	51.5
	S.D.	9.941	9.045	8.001	7.220	6.484	4.490	2.222	2.923	6.219	7.449	9.438	8.397	14.259
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
15-17	MEAN	34.2	38.9	43.9	51.6	58.0	65.6	68.2	67.6	61.7	53.1	42.9	37.5	52.0
	S.D.	9.977	8.986	7.441	6.837	6.037	4.206	2.102	2.968	5.763	7.054	9.352	8.224	13.710
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
18-20	MEAN	29.8	34.9	41.0	49.3	56.3	63.9	66.8	66.0	59.7	49.5	38.5	31.9	49.0
	S.D.	9.406	8.597	7.484	7.360	6.186	4.311	2.262	3.248	5.898	7.393	9.109	7.859	14.764
	TOTAL OBS	744	678	744	720	741	720	744	744	720	744	720	744	8763
21-23	MEAN	26.6	31.1	37.1	45.8	53.3	61.2	64.4	63.8	57.3	46.6	35.7	28.7	46.0
	S.D.	8.906	7.899	7.545	8.103	6.912	4.581	2.779	3.527	6.078	7.800	9.139	7.758	15.129
	TOTAL OBS	744	678	744	720	741	720	744	744	720	744	720	744	8763
ALL HOURS	MEAN	27.4	32.3	38.1	46.8	54.3	62.1	65.3	64.5	58.3	47.9	37.2	30.6	47.1
	S.D.	10.073	9.289	8.798	8.692	7.491	5.432	3.473	4.061	6.735	8.484	9.855	9.056	15.404
	TOTAL OBS	5952	5424	5952	5760	5946	5760	5952	5952	5760	5952	5760	5952	70122

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23047 AMARILLO MAP TX

73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	17.7	21.2	25.9	35.5	46.2	53.7	57.4	57.9	51.8	38.2	28.4	18.9	37.8
	S. D.	9.799	8.945	10.641	12.059	10.878	7.144	5.358	5.373	7.993	10.744	11.288	9.123	17.404
	TOTAL OBS	744	678	744	720	744	720	744	744	744	720	744	720	744
03-05	MEAN	17.0	20.9	25.8	35.6	46.0	53.6	57.6	57.8	51.7	38.0	27.8	18.7	37.6
	S. D.	9.490	8.568	10.497	12.106	10.858	7.102	4.830	5.109	7.818	10.578	11.070	8.755	17.421
	TOTAL OBS	744	678	744	720	744	720	744	744	744	720	744	720	744
06-08	MEAN	16.2	20.2	25.6	36.3	46.4	54.6	58.5	58.0	51.8	37.8	27.3	18.3	37.7
	S. D.	9.234	8.689	10.074	11.603	10.394	6.908	4.432	4.898	7.903	10.334	10.925	8.690	17.733
	TOTAL OBS	744	678	744	720	744	720	744	744	744	720	744	720	744
09-11	MEAN	18.6	22.7	27.2	37.7	47.1	55.5	59.6	59.3	52.8	39.6	29.6	20.7	39.3
	S. D.	9.226	8.594	10.038	11.250	10.649	7.304	4.179	4.699	8.137	9.981	10.949	8.789	17.250
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
12-14	MEAN	20.5	23.0	26.6	36.0	45.7	54.3	58.1	58.0	51.6	39.9	29.6	21.4	38.7
	S. D.	9.090	8.867	10.686	12.016	11.939	7.861	4.856	5.531	8.330	10.012	11.304	8.855	16.782
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
15-17	MEAN	20.4	22.1	25.2	33.7	43.6	53.0	57.1	57.0	50.3	37.6	28.6	20.5	37.5
	S. D.	9.170	9.345	11.128	12.251	12.950	8.188	5.376	6.038	8.325	10.009	11.388	8.874	16.824
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
18-20	MEAN	19.4	21.6	25.2	33.9	44.0	52.7	57.1	57.1	50.6	37.4	28.4	17.7	37.3
	S. D.	9.424	9.341	11.084	12.589	12.308	8.372	5.207	6.217	8.461	10.498	11.515	9.058	17.068
	TOTAL OBS	744	678	744	720	741	720	744	744	720	744	720	744	8763
21-23	MEAN	18.5	21.4	25.6	35.5	45.7	53.5	56.9	57.8	51.1	37.7	28.0	19.1	37.6
	S. D.	9.641	9.316	10.957	12.197	11.203	7.643	5.969	5.830	8.269	11.040	11.605	9.335	17.343
	TOTAL OBS	744	678	744	720	741	720	744	744	720	744	720	744	8763
ALL HOURS	MEAN	18.6	21.6	25.9	35.5	45.6	53.9	57.7	57.9	51.5	38.2	28.5	19.7	37.9
	S. D.	9.490	9.001	10.659	12.068	11.475	7.622	5.173	5.521	8.185	10.423	11.276	8.991	17.242
	TOTAL OBS	5952	5424	5952	5760	5946	5760	5952	5952	5760	5952	5760	5952	5760



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

23047  
 STATION

AMARILLO MAP TX  
 STATION NAME

74-81  
 PERIOD

FEB  
 MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	99.7	97.9	92.2	82.7	70.2	59.9	47.9	29.4	14.2	64.7	678
	03-05	100.0	98.7	94.1	86.7	77.0	66.1	53.1	33.9	15.5	68.0	678
	06-08	100.0	99.6	95.9	88.9	80.2	68.7	56.2	36.7	15.6	69.6	678
	09-11	99.9	94.8	85.4	73.9	62.2	49.9	38.8	24.9	12.1	59.8	678
	12-14	95.1	81.4	64.6	48.7	37.8	28.9	19.5	12.4	6.6	45.2	678
	15-17	92.9	72.7	54.0	39.8	30.5	22.9	16.1	12.2	4.0	40.2	678
	18-20	97.1	84.4	71.4	55.0	44.0	34.4	26.0	16.1	6.0	49.0	678
	21-23	99.1	95.6	86.4	74.2	59.7	50.0	37.2	23.6	7.8	59.0	678
<b>TOTALS</b>		98.0	90.6	80.5	68.7	57.7	47.6	36.9	23.7	10.2	56.9	5424

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

23047 AMARILLO MAP TX

74-81

MAR

**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%		
MAR	00-02	100.0	99.1	86.7	75.1	63.8	50.8	38.3	22.3	5.5	59.7	744
	03-05	100.0	99.2	94.1	82.1	72.0	62.2	45.2	28.4	7.5	64.9	744
	06-08	100.0	99.6	94.9	86.2	76.2	64.8	49.9	34.3	8.9	66.9	744
	09-11	99.6	91.5	77.0	62.5	48.0	35.3	26.3	16.9	3.6	51.8	744
	12-14	95.3	74.2	51.9	37.1	28.2	21.2	14.5	8.2	3.4	39.1	744
	15-17	91.7	61.4	42.3	29.4	23.0	15.7	11.2	6.5	2.8	34.2	744
	18-20	96.4	76.2	55.0	41.9	31.9	23.1	15.6	8.2	2.6	40.8	744
	21-23	99.6	93.7	75.5	63.2	50.1	37.2	27.4	14.9	3.4	52.1	744
TOTALS		97.8	86.9	72.2	59.7	49.2	38.8	28.6	17.5	4.7	51.2	5952

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23047 AMARILLO MAP TX 74-81 APR  
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	97.4	90.4	78.6	63.8	49.3	36.5	21.8	5.7	60.1	720
	03-05	99.9	99.4	94.6	86.9	74.4	62.8	44.9	28.5	11.5	65.9	720
	06-08	100.0	99.9	96.9	90.0	79.3	63.3	48.9	30.0	12.1	67.7	720
	09-11	100.0	95.3	79.4	62.8	45.4	31.4	21.1	11.3	3.9	50.9	720
	12-14	97.1	76.4	53.6	34.0	22.8	15.1	10.3	5.0	1.7	37.4	720
	15-17	94.0	63.2	39.2	25.0	16.5	11.7	7.9	4.6	1.1	32.2	720
	18-20	96.4	76.4	54.6	39.0	28.2	18.9	12.2	7.2	.8	39.0	720
	21-23	100.0	94.9	82.1	64.7	49.2	36.9	26.0	13.2	3.2	52.8	720
TOTALS		98.4	87.9	73.9	60.1	47.5	36.2	26.0	15.2	5.0	50.8	5760

USAFETAC FORM 0-87-5 (OL A)





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23047 AMAPILLO MAP TX

73-80

JUN  
MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	99.6	96.5	86.1	72.9	56.3	39.6	25.4	8.1	64.0	720
	03-05	100.0	100.0	98.9	94.0	84.3	69.0	51.4	35.0	11.5	70.2	720
	06-08	100.0	100.0	98.8	93.6	85.0	68.6	49.3	29.0	9.9	69.4	720
	09-11	100.0	97.1	87.8	71.7	47.6	28.9	14.0	6.5	1.8	51.3	720
	12-14	99.4	89.2	66.7	40.0	22.4	11.8	5.0	3.2	1.0	39.7	720
	15-17	97.9	83.5	54.9	31.7	17.1	8.6	4.3	2.5	.8	35.8	720
	18-20	99.2	88.2	66.3	46.3	28.9	17.8	9.9	5.0	1.5	41.9	720
	21-23	100.0	98.8	87.9	72.9	55.6	38.2	23.1	14.2	4.7	55.0	720
<b>TOTALS</b>		99.6	94.6	82.2	67.0	51.7	37.4	24.6	15.1	4.9	53.4	5760

**RELATIVE HUMIDITY**

23047

AMARILLO MAP TX

73-80

JUL

STATION

STATION NAME

PERIOD

MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	98.8	88.2	68.4	53.6	35.8	19.5	3.1	62.3	744
	03-05	100.0	100.0	99.6	95.6	84.0	67.9	49.1	30.9	6.3	69.1	744
	06-08	100.0	100.0	99.9	96.1	86.8	69.5	47.6	30.1	7.4	69.3	744
	09-11	100.0	99.7	92.7	74.2	45.6	27.4	12.1	5.1	.1	51.2	744
	12-14	100.0	95.8	71.8	38.7	20.0	8.2	3.4	1.3	.3	39.6	744
	15-17	100.0	90.3	60.2	31.6	17.5	8.2	4.4	1.2		36.9	744
	18-20	100.0	95.4	69.0	44.8	28.5	15.6	7.1	1.3		41.6	744
	21-23	100.0	99.9	91.5	69.5	50.7	37.0	20.6	8.5	.7	53.5	744
<b>TOTALS</b>		100.0	97.6	85.4	67.3	50.2	35.9	22.5	12.2	2.2	52.9	5952



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

23047    AMARILLO MAP TX  
STATION                          STATION NAME

73-80  
PERIOD

SEP  
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%		
SEP	00-02	100.0	100.0	99.4	94.4	86.9	70.1	50.0	30.8	12.1	70.3	720
	03-05	100.0	100.0	100.0	97.5	92.5	83.8	67.8	41.7	18.2	75.9	720
	06-08	100.0	99.9	99.7	98.2	94.0	86.4	71.4	48.3	20.4	77.5	720
	09-11	100.0	98.9	94.4	83.1	63.9	43.6	27.5	16.0	5.7	59.2	720
	12-14	99.4	93.5	77.8	55.0	32.4	20.6	12.2	7.2	3.2	45.6	720
	15-17	99.0	88.9	67.2	45.0	25.6	17.1	10.0	6.9	2.9	41.8	720
	18-20	99.9	95.1	82.4	63.6	43.8	29.6	17.9	11.3	3.6	50.3	720
	21-23	100.0	99.3	96.5	86.5	71.0	52.2	35.0	21.5	5.4	62.6	720
TOTALS		99.8	97.0	89.7	77.9	63.8	50.4	36.5	23.0	8.9	60.4	5760

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JUL 64







GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

23047 AMARILLO MAP TX  
 STATION STATION NAME

73-81  
 PERIOD

ALL  
 MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	99.8	97.1	90.4	79.2	67.0	53.6	39.9	25.4	11.6	61.9	5952
FEB		98.0	90.6	80.5	68.7	57.7	47.6	36.9	23.7	10.2	56.9	5424
MAR		97.8	86.9	72.2	59.7	49.2	38.8	28.6	17.5	4.7	51.2	5952
APR		98.4	87.9	73.9	60.1	47.5	36.2	26.0	15.2	5.0	50.8	5760
MAY		98.0	91.3	82.2	70.9	59.6	47.8	36.2	22.5	8.7	57.5	5946
JUN		99.6	94.6	82.2	67.0	51.7	37.4	24.6	15.1	4.9	53.4	5760
JUL		100.0	97.6	85.4	67.3	50.2	35.9	22.5	12.2	2.2	52.9	5952
AUG		100.0	98.5	90.2	75.0	59.5	43.9	29.5	18.5	5.3	57.7	5952
SEP		99.8	97.0	89.7	77.9	63.8	50.4	36.5	23.0	8.9	60.4	5760
OCT		99.8	93.5	80.0	65.4	50.6	38.1	27.0	16.8	8.5	53.7	5952
NOV		99.6	95.3	86.3	75.3	63.7	52.8	39.9	27.1	13.5	61.1	5760
DEC		99.5	95.3	83.7	69.5	54.0	39.2	26.1	13.4	3.3	54.0	5952
TOTALS		99.2	93.8	83.1	69.7	56.2	43.5	31.1	19.2	7.2	56.0	70122



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

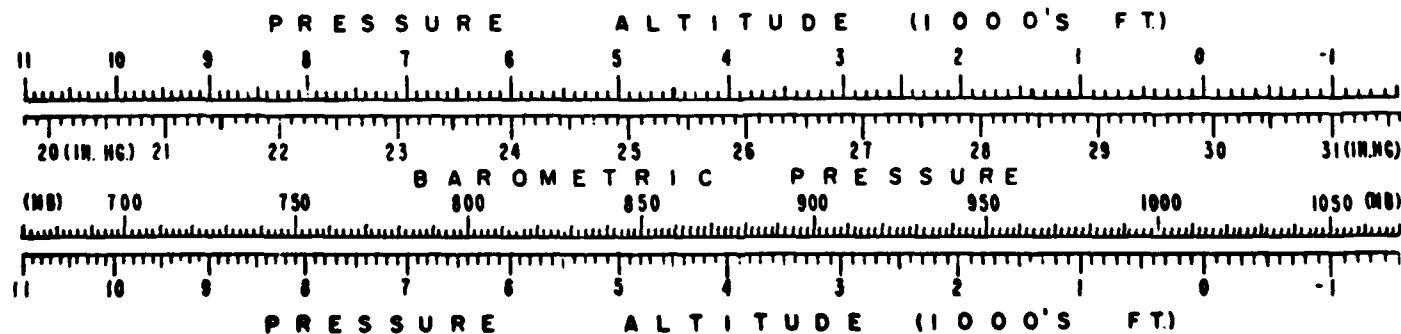
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

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



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23047 AMARILLO MAP TX

73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	26.336	26.315	26.233	26.259	26.237	26.301	26.369	26.368	26.367	26.366	26.353	26.337	26.320
	S.D.	.195	.190	.189	.175	.144	.131	.077	.089	.130	.169	.188	.204	.169
	TOTAL OBS	248	226	248	240	248	240	248	248	248	240	248	240	248
07	MEAN	26.313	26.285	26.211	26.236	26.213	26.276	26.343	26.342	26.343	26.342	26.326	26.305	26.295
	S.D.	.185	.190	.188	.172	.140	.129	.075	.087	.125	.165	.186	.202	.166
	TOTAL OBS	248	226	248	240	248	240	248	248	248	240	248	240	248
06	MEAN	26.327	26.295	26.229	26.266	26.246	26.311	26.374	26.366	26.369	26.368	26.347	26.316	26.318
	S.D.	.188	.203	.196	.173	.142	.132	.078	.090	.128	.170	.190	.206	.170
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
09	MEAN	26.341	26.317	26.243	26.280	26.258	26.319	26.377	26.373	26.378	26.382	26.360	26.330	26.330
	S.D.	.184	.187	.196	.173	.137	.127	.074	.088	.127	.166	.187	.200	.165
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
12	MEAN	26.362	26.342	26.251	26.283	26.261	26.325	26.386	26.382	26.391	26.395	26.373	26.354	26.342
	S.D.	.195	.192	.205	.184	.141	.129	.077	.089	.128	.171	.191	.212	.172
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
15	MEAN	26.280	26.261	26.177	26.217	26.199	26.264	26.324	26.319	26.322	26.316	26.300	26.279	26.272
	S.D.	.188	.185	.197	.175	.139	.127	.075	.086	.130	.167	.185	.193	.166
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
18	MEAN	26.300	26.274	26.181	26.214	26.181	26.248	26.312	26.311	26.325	26.326	26.320	26.307	26.275
	S.D.	.191	.186	.194	.176	.146	.130	.076	.087	.133	.168	.183	.194	.168
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
21	MEAN	26.306	26.286	26.199	26.231	26.198	26.258	26.321	26.324	26.337	26.338	26.330	26.314	26.287
	S.D.	.187	.181	.185	.168	.144	.129	.072	.087	.129	.167	.179	.194	.164
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
ALL HOURS	MEAN	26.321	26.297	26.216	26.248	26.224	26.288	26.351	26.348	26.354	26.354	26.339	26.318	26.305
	S.D.	.190	.190	.196	.176	.144	.132	.080	.091	.131	.169	.187	.201	.169
	TOTAL OBS	1984	1808	1984	1920	1982	1920	1984	1984	1920	1984	1920	1984	23374

GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

23 47 AMARILLO MAP TX

73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN	1018.61	1016.61	1012.31	1011.81	1010.01	1011.11	1013.11	1013.41	1014.41	1015.71	1017.31	1017.71	1014.31
	S. D.	8.526	8.370	8.213	7.271	6.231	5.452	3.350	3.790	5.738	7.290	8.171	8.800	7.486
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
03	MEAN	1018.21	1016.01	1012.01	1011.51	1009.61	1010.71	1012.81	1013.01	1014.11	1015.41	1016.91	1016.91	1013.91
	S. D.	8.331	8.487	8.279	7.281	6.060	5.477	3.373	3.782	5.695	7.182	8.222	8.904	7.448
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
06	MEAN	1018.41	1016.31	1012.21	1012.21	1010.41	1011.71	1013.61	1013.51	1014.61	1016.21	1017.61	1017.41	1014.51
	S. D.	8.173	8.438	8.423	7.152	5.897	5.370	3.205	3.768	5.603	7.119	8.115	8.860	7.340
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
09	MEAN	1020.31	1018.11	1013.91	1013.61	1011.81	1012.61	1014.41	1014.61	1015.91	1017.71	1019.01	1019.01	1015.91
	S. D.	8.078	8.199	8.470	7.238	5.863	5.316	3.201	3.712	5.664	7.108	8.177	8.710	7.382
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
12	MEAN	1019.81	1017.71	1013.11	1012.81	1010.91	1011.91	1013.81	1014.01	1015.31	1016.81	1018.21	1018.41	1015.21
	S. D.	8.334	8.282	8.684	7.496	6.013	5.340	3.286	3.710	5.772	7.210	8.253	8.747	7.513
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
15	MEAN	1016.81	1015.01	1010.61	1010.71	1009.11	1010.21	1012.11	1012.21	1013.31	1014.41	1015.91	1016.01	1013.01
	S. D.	8.379	8.088	8.515	7.346	6.064	5.353	3.301	3.762	5.834	7.165	8.204	8.486	7.349
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922
18	MEAN	1017.41	1015.21	1010.51	1010.21	1008.01	1009.21	1011.21	1011.41	1013.01	1014.61	1016.61	1016.91	1012.81
	S. D.	8.326	7.941	8.217	7.181	6.195	5.347	3.248	3.804	5.829	7.025	7.886	8.263	7.465
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
21	MEAN	1018.81	1016.91	1012.11	1011.71	1009.31	1010.21	1012.21	1012.71	1014.41	1016.01	1017.91	1018.41	1014.21
	S. D.	8.124	7.979	8.122	7.152	6.283	5.425	3.195	3.755	5.739	7.153	7.856	8.469	7.496
	TOTAL OBS	248	226	248	240	247	240	248	248	240	248	240	248	2921
ALL HOURS	MEAN	1018.51	1016.51	1012.11	1011.81	1009.91	1011.01	1012.91	1013.11	1014.41	1015.81	1017.41	1017.61	1014.21
	S. D.	8.340	8.273	8.420	7.324	6.164	5.473	3.404	3.872	5.795	7.216	8.150	8.693	7.495
	TOTAL OBS	1984	1808	1984	1920	1982	1920	1984	1984	1920	1984	1920	1984	23374

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*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)		
<p>This report is a six-part statistical summary of surface weather observations for Amarillo MAP, Texas</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>		

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1 JAN 73

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

\* Texas

\* Amarillo MAP, Texas  
Amarillo, Texas

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.

Period of record from Hourly OBS: Jun 73 - May 81 .

Period of record from Daily OBS: Jul 46 - May 81.

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