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USAFETAC

Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

ROBERT GRAY (FT HOOD) TX WBAN #03902
N 31 04 W 097 50 FLD ELEV 1015 FT GRK WMO #

PARTS A-F
POR FROM HOURLY OBS: SEP 68 - DEC 70, JAN 73 - AUG 80
POR FROM DAILY OBS: OCT 50 - DEC 70, JAN 73 - AUG 80
TIME CONVERSION GMT TO LST: -6

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

Wayne E. McCollom

WAYNE E. MCCOLLOM, Chief
Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

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DD FORM 1473

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following time groups: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted for stations maintaining limited observing schedules; did not report certain hours during the month during the available period of record. Such missing sheets are listed below, and are applicable to the data for the month of observations.

January _____

February _____

March _____

April _____

May _____

June _____

July _____

August _____

September _____

This RUSSWO was produced combining the period of
record for Robert Gray AAF TX and Fort Hood TX.

Robert Gray AAF TX	Oct 50-Oct 60
	Jul 70-Dec 70
	Jan 73-Aug 80

Fort Hood TX	Nov 60-Jun 70
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STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WMO NUMBER	
03902		FORT HOOD/ROBERT GRAY AAF TEXAS		N 31 04		W 097 50		1015		GRK			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT. BARO.					
1	Gray AFB, Fort Hood Texas	AF	Sep 50	Apr 53	N 31 04	W 97 49	1025	1027 ft	24				
2	Gray AFB Killeen Texas	Same	Apr 53	Mar 55	Same	Same	Same	1022 ft	24				
3	Same	Same	Apr 55	Sep 60	Same	Same	1015	Same	24				
4	Same	Same	Oct 60	Mar 61	Same	Same	Same	Same	13				
5	Gray AFB Fort Hood	AAF	Nov 64	Jun 70	Same	W 97 50	Same	Same	09-17				
6	Same	Same	Jul 70	Dec 78	Same	Same	Same	Same	24				
7	Same	Same	Jan 79	Aug 80	Same	Same	Same	Same	Same				

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	8 Apr 53	Located on top of control tower	Seisyn	N/A	96 ft	
2	1 Apr 55	Same	Same	ML 183-A	120 ft	
3	12 Aug 57	Located 1500 ft E of weather stn	GMQ-11	N/A	N/A	
4	3 Nov 64	Located 500 ft E of the centerline of the rnwy	AN/GMQ-11/20	RO-2 and ID-373	10 ft	
5	3 Apr 68	Located 500 ft E, 1700 ft S of N end of rnwy	Same	RO-2	Same	
6	1 Jan 71	Located 450 ft E, 1700 ft S of N end of rnwy	Same	RO-362	Same	
7	Dec 78	Located 450 ft E, 1700 ft S of N end of rnwy	AN/GMQ-20	RO-362	10 ft	

USAFETAC

FORM NOV 73

O-19 (CL A)

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CONTINUED ON REVERSE SIDE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

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 sum 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.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02	.2	9.0	2.0	1.2		12.0	14.3	.3	.1		14.7	930
	03-05		10.3	1.8	.3		12.5	17.5				17.5	930
	06-08	.4	12.2	2.0	.4		14.6	22.5	.1			22.6	930
	09-11	.2	10.8	1.3	.5	.1	12.6	20.0	.4	.2		20.6	930
	12-14		9.8	1.4	.6		11.7	13.9	.2	.4		14.3	928
	15-17	.5	9.1	1.2	.6		10.9	10.9				10.9	930
	18-20	.4	10.8	1.7	1.1		13.0	12.0				12.0	930
	21-23	.3	10.3	1.5	1.2		12.9	13.1				13.1	930
TOTALS		.3	10.3	1.6	.7	.0	12.5	15.5	.1	.1		15.7	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAL

WEATHER CONDITIONS

03902 ROBERT GRAY AAF TX (FORT HODG) 62-10, 13-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITION FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	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	.2	10.0	.0	1.1		11.3	12.8	.6	.2	.7	14.3	846
	03-05	.1	12.2	.0			13.0	16.7	.8		.2	17.3	846
	06-08	.5	11.5	1.1	.2		13.6	22.2	1.1	.1	.4	23.0	846
	09-11	1.2	11.3	.6	.9	.1	12.6	18.6	2.4		.5	19.7	846
	12-14	.4	8.3	.7	.8		9.8	9.6	1.3		.4	10.8	846
	15-17		8.0	.2	.7		9.0	8.3	1.2	.1	.8	10.4	846
	18-20	.2	7.8	.5	.8		8.7	9.3	1.5	.4	.7	11.7	846
	21-23	.5	8.6	.6	1.3		9.9	9.1	.6	.4	.4	10.4	846
TOTALS		.4	9.7	.6	.9	.0	11.0	13.3	1.2	.2	.5	14.7	6768

U: AC NEW 0-10-5(OL A, REV 5 EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAC	00-02	1.3	10.9				10.9	9.6			.1	9.7	930
	03-05	1.5	13.2		.1		13.2	12.0			.3	12.4	930
	06-08	1.4	13.8		.1		13.8	18.1	1.0		.8	19.2	930
	09-11	.9	11.3	.1	.1		11.4	14.3	1.7		.3	15.7	930
	12-14	.1	7.8	.1	.2		8.2	8.5	2.0			10.1	930
	15-17	.5	7.6				7.6	5.2	1.4		.1	6.3	930
	18-20	1.6	8.1			.1	8.1	7.0	.9		.5	8.2	930
	21-23	2.2	8.3		.1		8.3	8.3	.6		.1	8.7	930
TOTALS		1.2	10.1	.0	.1	.0	10.2	10.4	1.0		.3	11.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02	2.2	9.6				9.6	9.6	.1		.6	10.4	900
	03-05	2.0	11.8				11.8	13.2	.9		.1	14.1	900
	06-08	2.1	13.0		.1		13.1	24.4	3.4		.1	26.7	900
	09-11	1.6	11.6		.1		11.6	14.0	1.6			15.1	900
	12-14	1.1	9.4				9.4	6.0	.2			8.1	900
	15-17	1.2	5.8				5.8	3.9	.9			4.6	900
	18-20	2.3	5.9				5.9	4.0	.9			4.9	900
	21-23	2.4	5.7				5.7	5.7	.7		.2	6.4	900
TOTALS		1.9	9.1		.0		9.1	10.4	1.1		.2	11.3	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

G3902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	2.2	5.7				5.7	5.2	1.1			5.6	930
	03-05	1.5	7.4				7.4	10.4	1.5			11.1	930
	06-08	1.8	8.4				8.4	21.7	3.1			23.1	930
	09-11	1.6	6.1				6.1	6.3	1.1			7.3	930
	12-14	1.9	5.3				5.3	2.2	.9			2.9	930
	15-17	4.2	8.3				8.3	2.4	1.4		.1	3.5	930
	18-20	4.5	5.9				5.9	2.6	.9			3.3	930
	21-23	3.7	5.4				5.4	1.9	1.3			3.2	930
TOTALS		2.7	6.6				6.6	6.6	1.4		.0	7.5	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUN	00-02	2.0	3.3				3.3	1.3	.4			1.8	900
	03-05	1.9	3.6				3.6	4.0	1.3			4.6	900
	06-08	1.1	3.3				3.3	7.3	2.4			9.0	900
	09-11	.8	2.4				2.4	.4	.2			.7	900
	12-14	1.8	3.7				3.7	.3				.3	900
	15-17	2.4	3.7				3.7						900
	18-20	2.6	2.0				2.0						900
	21-23	2.8	3.2				3.2						898
TOTALS		1.9	3.2				3.2	1.7	.5			2.1	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	1.3	3.1			.1	3.1	1.7	.9			2.5	927
	03-05	.8	2.3				2.3	3.6	1.3			4.3	927
	06-08	.4	2.9				2.9	6.8	2.2			7.6	930
	09-11	.1	2.6				2.6	1.5	1.5			2.6	930
	12-14	1.2	2.9			.1	2.9	.3	1.2			1.5	930
	15-17	3.5	3.8				3.8	.3	1.1			1.4	930
	18-20	2.9	3.2				3.2	.3	1.2			1.5	930
	21-23	.9	2.2				2.2	.4	.8			1.2	930
TOTALS		1.4	2.9			.0	2.9	1.9	1.3			2.8	7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.2	2.0				2.3	1.6	.4			2.0	930
	03-05	1.0	3.3				3.3	3.4	.8			3.9	930
	06-08	1.0	3.7				3.7	7.7	5.2			11.5	930
	09-11	.4	3.5				3.5	2.9	1.2			4.0	930
	12-14	.8	4.1				4.1	.6	1.2			1.8	930
	15-17	2.9	4.9				4.9	.3	1.1			1.4	930
	18-20	4.5	5.4				5.4	.6	1.6			2.3	927
	21-23	1.2	2.3				2.3	.9	.4			1.3	927
TOTALS		1.6	3.7				3.7	2.3	1.5			3.5	7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	.9	6.2				6.2	6.6	.7			7.1	900
	03-05	.8	6.3				6.3	8.6	1.0			8.8	900
	06-08	.7	7.3				7.3	16.8	7.0			20.0	900
	09-11	.1	7.4				7.4	7.2	4.1			11.0	900
	12-14	1.0	7.2				7.2	3.4	1.9			5.2	900
	15-17	2.4	6.2				6.2	1.8	.9			2.7	900
	18-20	1.8	5.9				5.9	2.2	.6			2.7	900
	21-23	.6	5.1				5.1	3.8	.9			4.7	900
TOTALS		1.0	6.5				6.5	6.3	2.1			7.8	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-79

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02	.3	4.9				4.9	4.6	.9			5.1	930
	03-05	.4	5.6				5.6	8.0	1.1			8.0	930
	06-08	1.1	7.5				7.5	19.0	1.9			19.4	930
	09-11	1.0	7.0				7.0	8.9	1.4		.2	10.2	930
	12-14	.5	4.9				4.9	3.3	.4		.1	3.9	930
	15-17	.8	5.5				5.5	2.0	.4			2.5	930
	18-20	1.2	5.9				5.9	2.5	.4			2.7	930
	21-23	1.0	6.1				6.1	2.8	.8			3.2	930
TOTALS		.8	5.9				5.9	6.4	.9		.0	6.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-79 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.4	5.6		.3		5.9	6.4	.2			6.6	900
	03-05	.7	8.0		.3		8.2	9.0			.1	9.1	900
	06-08	.3	9.2		.1		9.2	14.8	.9		.3	15.4	900
	09-11	.7	7.9		.4	.2	8.1	8.9	1.6		.3	10.3	900
	12-14		6.3		.2	.1	6.6	5.1	.2			5.3	900
	15-17	.1	6.9		.6		7.1	5.3	.2		.3	5.7	900
	18-20	.7	6.1		.2		6.3	6.6			.2	6.8	900
	21-23	.7	6.7		.2		6.7	5.9	.1			6.0	900
TOTALS		.5	7.1		.3	.0	7.3	7.8	.4		.2	8.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

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		6.7	.6	.1		7.3	9.9	.4		.4	10.8	928
	03-05	.4	8.0	.6			8.6	11.5	.3		.4	12.2	930
	06-08	.1	9.0	.2			9.2	12.8			.4	13.2	930
	09-11	.1	8.0	.3			8.3	11.0	.2		.4	11.6	930
	12-14		6.3	.5	.1		6.9	6.9	.3		.1	7.2	930
	15-17		6.2	.5			6.8	5.7	.9		.1	6.6	930
	18-20		6.3	.1			6.4	6.9	1.0		.5	7.8	927
	21-23	.2	5.1	1.2	.1		6.4	8.3	.9		1.2	9.9	927
TOTALS		.1	7.0	.5	.0		7.5	9.1	.5		.4	9.9	7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-80

STATION

STATION NAME

YEARS

ALL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.3	10.3	1.6	.7	.0	12.5	15.5	.1	.1		15.7	7438
FEB		.4	9.7	.6	.9	.0	11.0	13.3	1.2	.2	.5	14.7	6768
MAR		1.2	10.1	.0	.1	.0	10.2	10.4	1.0		.3	11.3	7440
APR		1.9	9.1		.0		9.1	10.4	1.1		.2	11.3	7200
MAY		2.7	6.6				6.6	6.6	1.4		.0	7.5	7440
JUN		1.9	3.2				3.2	1.7	.5			2.1	7198
JUL		1.4	2.9			.0	2.9	1.9	1.3			2.8	7434
AUG		1.6	3.7				3.7	2.3	1.5			3.5	7434
SEP		1.0	6.5				6.5	6.3	2.1			7.8	7200
OCT		.8	5.9				5.9	6.4	.9		.0	6.9	7440
NOV		.5	7.1		.3	.0	7.3	7.8	.4		.2	8.2	7200
DEC		.1	7.0	.5	.0		7.5	9.1	.5		.4	9.9	7432
TOTALS		1.2	6.8	.2	.2	.0	7.2	7.6	1.0	.0	.1	8.5	87624

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 WRAN 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.

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XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXX
      ATMOSPHERIC PHENOMENA

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ALL
MONTH

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	3.1	37.6	5.4	4.3	.2	38.8	35.7	4.9	.7		36.7	837
FEB		6.8	37.2	3.5	4.8	.7	38.3	33.2	6.6	.5	.7	35.6	753
MAR		11.7	37.2	.5	1.4	1.1	37.6	30.8	7.6		.2	32.2	854
APR		18.5	42.0		.1	1.2	42.0	34.2	10.0		.4	37.2	938
MAY		21.1	42.2			2.0	42.2	33.9	12.3			35.8	868
JUN		16.2	28.9			.2	28.9	16.5	7.4			19.3	840
JUL		11.6	20.7			.5	20.6	8.4	5.0			9.7	867
AUG		14.3	25.3			.3	25.3	10.0	5.9			13.0	868
SEP		11.9	30.6			.1	30.6	24.9	11.6			28.3	792
OCT		6.8	24.1		.1	.1	24.1	25.5	5.9		.1	26.7	868
NOV		4.4	30.2	.2	1.5	.2	30.4	27.8	6.9			30.7	810
DEC		2.7	28.4	2.0	1.4		28.6	29.4	5.7		.2	30.6	637
TOTALS		10.8	32.0	1.0	1.1	.5	32.3	26.0	7.5	.1	.1	28.0	10042

[illegible]

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

Continued on Reverse Side

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

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

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 47 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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

63902 ROBERT GRAY AAF TX (FORT HOOD) 51-70, 73-80

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	0.1	0.2-0.5	0.6-1.0	1.1-2.5	2.6-5.0	5.1-10.0	10.1-25.0	25.1-50.0	50.1-100.0	100.1-200.0	OVER 200.0	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	6.9	6.2	3.1	6.2	3.2	5.3	3.1	1.3	1.1					23.3	837	1.55	8.61	.27	
FEB	6.5	13.9	2.4	4.6	2.4	5.7	3.9	3.5	1.8	.3				24.5	791	2.42	6.31	.34	
MAR	61.4	15.2	2.7	5.2	3.4	4.7	3.4	2.8	1.3	.1				22.6	854	1.99	4.34	.02	
APR	57.4	16.4	3.9	4.6	2.9	3.8	2.7	4.8	2.6	.7				26.1	839	3.40	13.23	.21	
MAY	57.6	6.2	2.1	4.1	2.6	3.7	4.5	4.4	4.1	.1	.1			25.8	868	4.38	13.91	.98	
JUN	7.4	11.7	1.7	2.3	1.5	2.5	3.3	4.5	1.7	.4				17.9	839	2.62	6.32	.05	
JUL	78.9	7.8	1.8	2.5	1.3	2.2	2.6	1.3	1.5					13.2	868	1.48	5.68	TRACE	
AUG	73.7	10.1	1.0	2.5	2.1	3.5	3.1	2.0	2.1	.3				16.4	868	2.40	13.24	TRACE	
SEP	62.1	9.1	1.5	3.9	1.9	4.3	3.7	3.4	2.4	.6				21.7	792	3.15	7.43	TRACE	
OCT	76.1	8.1	1.1	2.6	2.1	2.4	1.7	2.6	2.5	.7	.1			15.8	836	3.16	8.51	.00	
NOV	69.1	1.2	1.4	3.1	2.8	4.7	3.2	2.6	1.7	.1				19.5	810	2.08	4.60	TRACE	
DEC	71.1	1.0	2.5	4.4	1.7	4.1	1.7	1.8	1.6					17.7	837	1.58	5.43	TRACE	
ANNUAL	67.1	12.2	2.1	3.8	2.3	3.8	3.1	2.9	2.1	.3	.1			20.4	10039	35.11			

USAFETAC FORM 0-15.5 (OL A)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

03902 ROBERT GRAY AAF TX (FORT HOOD) 50-70, 73-80

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50										1.92	.12	TRACE	
51	.13	.69	2.92	1.05	2.49	.86	.01	.34	1.40	.16	.59	.06	2.92
52	.59	1.06	1.04	1.89	1.53*	.45	.09	.58	.56	.00	1.78	1.72	1.89
53	.78	.28	.63	1.28	4.50	.15	.61	.16	1.31	1.92	.81	1.20	4.50
54	.31	.60	.43	1.10	.96	.27	.57	.78	.22	.48	1.45	.04	1.45
55	.77	1.32	.52	.91	.88	1.19	.47	.84	1.03	.16	.74	.16	1.32
56	1.13	.89	.01	.19	1.86	.04	.11	.85	TRACE	1.07	1.44	1.51	1.86
57	.66	.79	1.90	3.68	1.87	.84	.49	TRACE	2.92	4.37	.49	.54	4.37
58	.37	4.09	.41	1.32	1.73	3.77	.74	.45	.89	.96	1.21	.59	4.09
59	.13	1.16	.20	1.02	.47	1.11	.74	4.33	.91	5.16	.87	1.68	5.16
60	.98	1.42	.68	.98	.59	.63	2.14	1.47*	TRACE				
61		2.53*	1.25	.10	.86	1.02	1.28	.95	4.76	.94	1.50	.25	
62	.22	.78	1.07	1.71	2.50	1.47	.02	.28	1.02	2.76	.69	.49	2.76
63	.15	.67	.66	1.00	.36	.75	.12	.40	.81	3.07	.85	1.54	3.07
64	1.38	.36	.82	.67	1.49	1.41	.02	1.13	4.28	1.97	.98	1.07	4.28
65	1.96	1.20	1.53	.94	8.92	3.44	1.55	1.03	1.79	1.24	2.64	1.35	8.92
66	.37	.98	.93	1.36	.42	.54	.05	2.40	1.17	.21	.14	.17	2.40
67	.29	.44	.53	1.39	2.15	.05	.04	1.64	2.06	1.04	1.78	.75	2.15
68	2.25	.70	2.03	1.14	1.66	.62	1.53	1.00	3.47	.21	1.35	.08	3.47
69	.16	1.49	.96	2.66	1.06	.55	.28	1.95	.61	1.66	.93	1.94	2.66
70	.82	1.41	1.93	.76	1.96	1.57	.41	.33	1.77	.66	TRACE	.37	1.96
73	1.19	.62	1.46*	.75	.81	1.00	1.41	TRACE	3.25*	2.31	.21	.19	3.25
74	.77	.72	.72	1.44	1.33	1.98	.88	4.81	1.67	4.08	1.40	.86	4.81
75	.58	2.17	.28	.82	2.44	.75	1.25	1.78	1.26	2.88	.50	1.49	2.88
76	.20	.22	.74	1.70	1.42	2.62	2.35	1.11	1.34	4.50	.56	.68	4.50
77	.35	.50	1.63	3.90	.46	.95	.07	.93	.73	1.76	1.01	.21	3.90
78	.17	1.21	1.00	.40	.84	.72	1.17	.72	1.45	1.59	2.24	.12	2.24
79	1.04	.88	.61	.22	2.37	1.26	1.83	1.29	.71	.91	.70	1.15	2.37
80	.53	1.29	1.49	1.08	2.36	1.62	TRACE	.01					
MEAN	.666	1.088	1.005	1.286	1.796	1.155	.723	1.127	1.592	1.757	.999	.749	3.393
S D	.550	.789	.665	.904	1.662	.916	.706	1.146	1.204	1.477	.643	.621	1.645
TOTAL OBS	837	791	854	839	868	839	868	868	792	836	810	837	10039

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 44 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

03902 ROBERT GRAY AAF TX (FORT HOOD) 50-70, 73-80
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
50										1.92	.14	TRACE	
51	.21	1.70	3.41	1.54	5.57	2.59	.01	.54	3.12	.56	.86	.16	20.27
52	.88	2.60	2.93	6.48	5.41*	.50	.22	.71	.93	.00	3.82	5.43	*29.91
53	.64	1.27	1.95	2.94	8.39	.21	.76	.45	3.16	5.08	.95	2.20	28.00
54	.55	.70	.73	1.47	2.25	.66	.94	1.19	.34	.95	2.66	.04	12.48
55	1.66	3.38	.61	1.07	3.69	5.03	1.43	2.33	2.15	.20	1.04	.16	22.75
56	2.40	1.24	.02	.54	4.09	.05	.13	1.24	TRACE	1.26	2.85	2.58	16.40
57	1.49	2.52	4.12	13.23	5.67	2.77	.97	TRACE	3.74	7.77	2.84	.96	46.08
58	1.38	6.31	1.14	3.38	5.21	5.53	.85	.78	1.93	2.89	1.85	1.42	32.67
59	.31	3.27	.25	2.31	1.20	5.44	1.66	8.40	2.20	8.50	1.80	3.94	39.28
60	1.50	2.28	.88	2.60	1.24	1.51	4.50	3.23*	TRACE				
61		5.30*	2.12	.21	1.25	4.45	4.18	1.37	6.72	1.38	3.92	1.20	
62	.61	1.51	1.22	4.42	3.57	6.32	.02	.45	2.36	5.21	1.91	1.46	29.06
63	.32	.98	.72	2.61	.98	1.43	.13	.74	1.27	3.29	2.95	2.41	17.83
64	2.56	1.16	2.01	1.61	2.20	2.63	.03	1.87	7.43	2.04	2.33	1.24	27.11
65	2.56	4.28	2.56	2.01	13.90	4.08	1.66	1.99	3.43	2.88	3.72	3.21	46.28
66	1.35	2.83	.99	5.27	1.21	.86	.07	4.24	5.71	.23	.14	.38	23.28
67	.36	.51	1.16	3.20	3.50	.05	.07	2.28	3.60	3.73	3.82	2.27	24.55
68	8.61	2.32	4.34	2.78	6.30	2.86	4.36	1.06	4.78	.52	4.60	.14	42.67
69	.61	2.73	3.32	7.06	1.82	.61	.29	6.94	1.98	4.41	1.70	3.17	34.64
70	1.35	4.51	3.99	1.08	5.90	2.88	.66	.99	4.89	1.16	TRACE	.41	27.82
73	3.56	2.65	2.89*	2.98	2.53	3.35	4.08	TRACE	6.03*	7.33	.52	.21	*36.13
74	2.37	.72	1.58	3.41	3.26	2.75	1.74	13.84	3.90	8.22	2.33	2.10	46.24
75	1.48	3.75	1.28	1.66	11.30	1.45	1.95	3.76	2.49	5.48	.83	1.81	37.24
76	.20	.34	2.29	6.69	4.67	4.48	5.68	1.70	4.02	6.93	1.43	1.93	40.36
77	1.30	1.18	2.74	9.54	1.22	2.14	.07	1.60	1.36	2.05	1.91	.35	25.36
78	.92	3.32	1.09	.66	2.21	1.88	1.18	1.73	3.05	1.65	4.44	.22	22.35
79	1.67	2.10	3.17	.90	6.29	2.51	3.83	3.69	1.37	1.28	.77	3.25	30.83
80	1.12	2.24	2.43	3.06	7.70	2.12	TRACE	.01					
MEAN	1.554	2.418	1.993	3.397	4.376	2.616	1.481	2.398	3.152	3.061	2.076	1.580	30.154
S D	1.644	1.479	1.238	3.000	3.155	1.761	1.704	2.990	1.919	2.617	1.368	1.401	9.961
TOTAL OBS	837	791	854	839	868	839	868	868	792	836	810	837	10039

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

17532 STATION ROBERT GRAY AAF TX (FORT HOOD) 50-70, 73-80 YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	96.1	2.3	.7	.2	.2	.2		.1						1.6	836	.7	4.8	.0
FEB	95.4	3.1	.3	1.7	.3			.1	.1					1.8	763	.9	8.2	.0
MAR	98.9	1.1		.1										.1	867	TRACE	1.2	.0
APR	99.9	.1													839	TRACE	TRACE	.0
MAY	10.1														868	.0	.0	.0
JUN	10.1														840	.0	.0	.0
JUL	10.1														868	.0	.0	.0
AUG	10.1														868	.0	.0	.0
SEP	10.1														792	.0	.0	.0
OCT	99.9	.1													836	TRACE	TRACE	.0
NOV	98.3	1.1	.1	.4	.1									.6	810	.2	1.8	.0
DEC	98.6	1.3			.1									.1	837	.1	1.5	.0
ANNUAL	98.9	.7	.1	.1	.1	.0		.0	.7					.3	17024	1.9		

USAFETAC FORM 0-15.5 (OL A)
OCT 75

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOWFALL

(FROM DAILY OBSERVATIONS)

03902 ROBERT GRAY AAF TX (FORT HOOD) 50-70, 73-80

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50										.0	.0	.0	
51	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.0
52	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	2.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
54	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	1.5
56	TRACE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1
58	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
61			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
62	.1	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
63	TRACE	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5
64	4.8	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	5.1
65	.0	2.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
66	2.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.7
67	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	TRACE
68	* .0	TRACE	*TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
69	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
70	.2	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
73	2.3	1.2	.0*	.0	.0	.0	.0	.0	.0*	.0	.0	.0	2.3
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
75	2.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
78	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.4
79	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
80	.0	TRACE	.0	TRACE	.0	.0	.0	.0					
MEAN	.62	.77	.04	TRACE	.00	.00	.00	.00	.00	TRACE	.13	.06	1.27
S D	1.234	1.762	.231	.000	.000	.000	.000	.000	.000	.000	.391	.289	1.895
TOTAL OBS	836	763	867	839	868	840	868	868	792	836	810	837	10024

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

03902 ROBERT GRAY AAF TX (FORT HOOD) 50-70, 73-80
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50										.0	.0	.0	
51	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.5
52	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	2.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
54	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	2.1
56	TRACE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	1.8
58	TRACE	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0*	.0				
61		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
62	.1	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
63	TRACE	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.5	2.5
64	4.8	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	9.9
65	.0	2.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
66	2.0	8.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	10.2
67	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	TRACE
68	*	.0	TRACE*TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	*TRACE
69	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
70	.2	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
73	2.7	2.6	.0*	.0	.0	.0	.0	.0	.0*	.0	.0	.0	* 5.3
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
75	3.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	1.3
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
78	.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.6
79	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
80	.0	TRACE	.0	TRACE	.0	.0	.0	.0					
MEAN	.69	.69	.04	TRACE	.00	.00	.00	.00	.00	TRACE	.17	.06	1.91
S D	1.347	1.923	.231	.000	.000	.000	.000	.000	.000	.000	.496	.289	2.895
TOTAL OBS.	836	763	867	839	868	840	868	868	792	836	810	837	10024

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

3902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

50-70, 73-80
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	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	47.7	1.0	.6	.2	.3	.1								1.3	868			
FEB	57.3	1.5	.8	.1		.3								1.1	791			
MAR	49.9		.1											.1	868			
APR	50.0														839			
MAY	50.0														868			
JUN	50.0														840			
JUL	50.0														868			
AUG	50.0														868			
SEP	50.0														810			
OCT	50.0														867			
NOV	59.5	.4	.1											.1	839			
DEC	59.9		.1											.1	868			
ANNUAL	59.5	.2	.1	.0	.0	.0								.2	10194			

USAFETAC FORM 015-5 (OL A)
OCT 75

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOW DEPTH

(FROM DAILY OBSERVATIONS)

03902 ROBERT GRAY AAF TX (FORT HOOD) 50-70, 73-80

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50											0	0	0	
51	TRACE	1	0	0	0	0	0	0	0	0	0	0	0	1
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	1	0	0	0	0	0	0	0	0	0	0	0	0	1
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	TRACE	1	0	0	0	0	0	0	0	0	0	0	0	1
57	0	0	0	0	0	0	0	0	0	0	0	1	0	1
58	0	1	0	0	0	0	0	0	0	0	0	0	0	1
59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
61	1	TRACE	0	0	0	0	0	0	0	0	0	0	0	1
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	TRACE	0	0	0	0	0	0	0	0	0	0	1	1
64	4	5	0	0	0	0	0	0	0	0	0	0	0	5
65	0	2	1	0	0	0	0	0	0	0	0	0	0	2
66	1	5	0	0	0	0	0	0	0	0	0	0	0	5
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	3	1	0*	0	0	0	0	0	0	0*	0	0	0	3
74	TRACE	0	0	0	0	0	0	0	0	0	0	0	0	TRACE
75	2	1	0	0	0	0	0	0	0	0	0	0	0	2
76	0	0	0	0	0	0	0	0	0	0	0	TRACE	0	TRACE
77	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	TRACE	0	0	0	0	0	0	0	0	0	0	0	0	TRACE
79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	TRACE	0	0	0	0	0	0	0					
MEAN		.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
S D		.997	1.343	.189	.000	.000	.000	.000	.000	.000	.000	.192	.189	1.405
TOTAL OBS		868	791	868	839	848	840	868	868	810	867	839	868	10194

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 21 64 0-88-5 (OIA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SURFACE WINDS

(FROM DAILY OBSERVATIONS)

03902 ROBERT GRAY AAF TX (FORT HOOD) 56-70, 73-80

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
56								NNW*44	NNE 27S	32S	34S	33	
57	N	37NW	36W	42SSE	40W	35S	24W	28S	28NNW	49NW	32N	35W	42 NNW 49
58	NNW	41W	44W	37W	37NNE	36ENE	30S	31SSE	22SE	30N	26NNW	44SW	30 W 44
59	NNW	36S	35NNW	43SSE	40S	39S	40NE	29N	42S	41NNE	26NNW	36NNW	33 WNW 43
60	W	38NNW	36W	31ESE	33N	35S	34SE	32N	34E	*22			
61			W	*36W	42NNW	40SW	41NW	37NNE	31NE	48NW	34W	53WSW	33
62	NNW	39NNW	34W	47SE	34SSW	37S	42SSW	30ESE	29NNE	29S	50NE	31NNE	33 S 50
63	N	38NE	51N	38NNW	45SSE	*30SE	*23S	*28ESE	32ENE	29SSE	35N	37N	27 NE 51
64	NNW	34W	*33	W	*43E	29W	30NE	31N	29NNW	29N	32SSE	35NNE	27
65	W	33NW	33NW	37S	32NNE	37S	36ENE	41N	45ESE	33SE	29NW	29SSE	32 N 45
66	SSE	27SSE	34NNW	37SE	31N	30S	29N	24SSE	26N	38NNE	37SSE	34NW	31 N 38
67	S	*35NNW	39NW	32WSW	35W	51SSE	31SSE	33NNE	*30N	32NNW	37NW	*34N	*37 W 51
68	NNW	*37NNW	36NW	34N	*38N	34NW	4316*	2814/	3418/	3334/	2429/	3129/	35 NW 43
69	36/	3420/	3227/	3735/	3327/	5215/	4713/	34 6/	3334/	3216/	2910/	3635/	32 27/ 52
70	34/	3521/	35 5/	3433/	3615/	3231/	3516/	2827*	2918/	2930/	3620/	4028/	43 28/ 43
73	29/	4131/	3627/	3914/	5629/	4118/	36 4/	2815/	31 9/	3832/	3834/	4232/	41 14/ 56
74	25/	3026/	4318/	3633/	3728/	4932/	4519/	3828/	3536/	2536/	3322/	3419/	32 28/ 49
75	35/	4232/	3316/	3417/	4022/	4412/	35 6/	3511/	3419/	2422/	3517/	4118/	38 22/ 44
76	19/	3731/	3617/	5016/	4824/	3224/	3715/	2912/	3133/	47 9/	3835/	3616/	35 17/ 50
77	1/	4429/	4423/	3532/	3327/	3716/	3821/	2415/	2928/	5135/	2831/	3436/	35 28/ 51
78	32/	4233/	3424/	3617/	3621/	4221/	3033/	4318/	3416/	3634/	3122/	4331/	35 33/ 43
79	32/	4729/	3415/	3516/	3433/	3129/	2934/	3411/	30 2/	2619/	3417/	3032/	31 32/ 47
80	21/	3612/	3930/	3834/	3917/	4035/	43 3/	2517/	32				
MEAN	37.4	37.2	37.6	38.1	38.2	36.0	31.7	32.1	34.6	33.1	36.8	33.9	47.2
S.D.	4.846	4.830	4.740	6.126	6.564	6.176	5.273	5.031	8.298	5.624	5.720	4.364	4.660
TOTAL OBS.	638	566	635	630	658	631	670	674	638	647	603	639	7629

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-3 (OIA)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

13902
STATION

ROBERT GRAY AAF TX (FORT H300)
STATION NAME

69-7.73-83
YEARS

JAN
MONTH

ALL WEATHER
CLASS

3000-9200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.7	6.9	5.4	.4							18.8	8.7
NNE	.5	1.6	1.5	.2								3.9	6.5
NE	.3	.2	.4	.2								1.2	7.4
ENE	.9	.3	.2									1.4	4.1
E	.4	.8	.2									1.6	4.1
ESE	.2	.4										.6	3.7
SE	.8	1.8	.1									2.7	4.2
SSE	1.0	1.8	2.2	.3								5.3	6.4
S	2.6	8.7	5.6	2.8	.5							20.2	7.1
SSW	.4	1.4	1.7	1.8	.2							5.6	9.3
SW	.1	1.0	1.3	.2								2.6	7.3
WSW	.3	.2	.8	1.0	.1							2.4	9.5
W	.3	.6	1.7	.9	.1							3.7	8.5
WNW	.4	.5	.6	.8								2.4	7.8
NW	1.4	.8	.6	.9								3.7	6.2
NNW	.6	3.8	2.6	2.2	.5	.2						10.9	8.3
VARBL													
CALM												13.2	
	14.0	27.6	26.5	16.6	1.9	.2						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1932 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70, 73-80 JAN
MONTH
3300-0500
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.8	6.8	5.7	.9							19.5	9.0
NNE	.2	1.9	1.7	.8	.1							4.7	7.8
NE	.1	.8	.4	.1								1.4	6.9
ENE	.2	.6	.2									1.1	4.8
E	.8	1.1	.1									1.9	4.1
ESE	.3	.1	.1									.5	3.8
SE	.6	1.3	.1	.1								2.2	4.5
SSE	1.2	1.7	2.2	.1								5.2	5.8
S	2.7	5.9	4.0	3.2								15.8	7.1
SSW	.6	1.9	2.5	1.1	.1							6.2	8.2
SW	.5	.8	2.0	.2								3.5	7.5
WSW	.3	.8	1.2	.8	.1							3.1	8.4
W	.6	.1	1.0	1.1	.1	.1						3.0	9.5
WNW	.3	.9	1.3	.5								3.0	7.6
NW	.0	1.1	1.3	1.1								4.4	7.3
NNW	1.5	2.7	2.5	1.9	.5	.2						9.4	8.4
VARBL													
CALM												15.1	
	13.4	25.4	27.3	16.7	1.8	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

57902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-73-80
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	5.8	7.6	4.9	.9							21.4	8.6
NNE	.1	2.1	1.6	.2								4.9	6.0
NE	.4	.8	.9	.2								2.3	6.8
ENE	.2	1.0										1.2	4.3
E	.4	1.1										1.5	3.9
ESE	.5	.1	.1									.8	4.0
SE	.4	.8	.8	.1								2.0	6.2
SSE	2.0	1.5	1.6	.4								5.6	5.8
S	2.6	7.6	4.4	2.2								16.8	6.4
SSW	.4	1.3	1.8	.6								4.2	7.3
SW	.1	.5	1.0	.3								1.9	8.5
WSW	.1	.6	1.5	.8	.1	.1						3.2	9.6
W	.5	.3	2.5	.4	.2	.2						4.2	9.4
WNW	.3	.9	1.3	.5								3.0	7.6
NW	.5	1.0	1.3	1.1	.1							4.1	8.1
NNW	1.0	1.8	3.3	1.7	1.4							9.2	9.7
VARBL													
CALM												13.7	
	13.1	27.1	29.7	13.5	2.7	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	4.1	8.8	5.1	1.8	.6						21.2	10.3
NNE	.6	2.0	3.8	.3								6.8	7.0
NE	.5	1.1	2.7	.5								4.8	7.3
ENE	.3	1.1	.6									2.0	5.3
E	.9	.8	.4									2.0	4.4
ESE	.3		.4									.8	5.7
SE	.1	.8	.6	.2								1.7	6.9
SSE	.7	1.6	2.6	.9								6.0	7.4
S	1.7	3.9	5.6	3.9	.3							15.4	8.4
SSW	.9	1.8	3.0	2.3	.3							8.3	9.0
SW		1.9	.9	.8	.1							3.7	8.1
WSW	.3	.5	.8	.8								2.4	8.5
W	.5	.4	.9	1.5	.5	.4						4.3	11.6
WNW	.0	.3	.6	.5	.2	.1						2.8	8.0
NW	.3	1.2	1.4	1.2	.1	.6						4.8	10.3
NNW	.5	1.2	2.6	2.2	1.3	.4						8.2	11.7
VARBL													
CALM												4.8	
	9.8	22.7	35.7	20.0	4.7	2.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-83
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	3.7	8.1	6.4	1.2	.6						21.6	10.2
NNE	.9	2.5	2.8	1.4	.1							7.7	7.7
NE	.3	.6	1.3	.6								2.9	7.7
ENE	.4	1.2	.8									2.6	5.3
E	.6	1.3	.3									2.3	4.4
ESE	1.2	.9	.5									2.6	4.5
SE	.6	.5	.5	.2	.1							2.0	6.6
SSE	.2	1.2	1.8	1.6	.1							5.0	8.9
S	.7	2.4	5.5	5.4	1.1	.1						15.4	10.2
SSW	.3	1.9	2.8	3.7	1.4	.3						10.5	11.3
SW	.4	1.2	1.3	1.2								3.9	8.6
WSW	.2	.6	.6	1.1								2.6	9.2
W	.4	.9	.8	1.9	.5	.3	.2					5.1	12.4
WNW	.3	.4	.5	.4	.2							1.9	8.7
NW	.6	1.7	1.3	.9	.4	.4	.2					4.8	11.0
NNW		1.5	2.4	2.5	.6	.3	.2					7.5	12.0
VARBL													
CALM												7.7	
	9.6	21.6	31.2	27.3	5.8	2.2	.6					110.0	9.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7912
STATION

ROBERT GRAY AAF TX (FORT HOOD)

STATION NAME

69-70, 73-811

YEARS

JAN

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.8	8.9	5.3	1.2	.1						19.1	17.0
NNE	.3	1.2	3.5	1.9								7.0	8.8
NE	.9	1.4	1.6	.8								4.6	7.0
ENE	.9	1.4	1.0	.1								2.9	5.6
E	1.3	1.9	.4									3.7	4.3
ESE	.5	2.2	1.1									3.8	5.3
SE	.4	1.4	1.6	.4								3.9	7.1
SSE	.3	1.6	3.8	.9	.2							6.8	9.4
S	.5	2.7	6.0	6.1	1.4							16.1	10.6
SSW	.5	1.3	2.3	3.0	.4							7.5	9.9
SW	.3	.8	1.7	.3								3.1	7.8
WSW	.3	.8	1.0	1.2	.1							3.3	8.6
W	.1	.2	1.1	.8	.1	.1	.1					2.5	11.7
WNW		.2	.6	1.0	.3	.2						2.4	12.7
NW	.2	1.2	.5	.1	.4	.1						2.6	9.5
NNW	.5	.9	2.4	2.4	1.4	.9						8.5	12.6
VARBL													
CALM												2.3	
	8.2	20.8	37.5	24.2	5.6	1.4	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

3912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2100
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	3.1	6.5	5.4	.5							17.0	9.1
NNE	1.2	2.6	3.5	.4								7.7	6.7
NE	.4	.8	.9									2.0	5.7
ENE	1.1	1.9		.1								3.0	4.3
E	1.8	2.7	.1									4.6	3.8
ESE	1.5	1.7	.8									4.0	4.5
SE	1.7	2.7	1.8	.4	.1							6.8	5.9
SSE	1.6	5.1	4.5	.5								11.7	6.2
S	2.0	6.3	4.1	1.6	.1							15.1	6.4
SSW	1.2	1.1	1.3	.1								3.7	5.5
SW		.9	.3									1.2	5.6
WSW	.3	.3	.2	.1								1.0	5.8
W	.3	.8	.2	.3								1.6	6.3
WNW	.5	.4		.1								1.1	4.3
NW	.2	.8	.4	.8	.4	.3						3.5	9.7
NNW	.0	1.7	1.4	2.5	.4	.1						7.0	9.5
VARBL													
CALM												9.0	
	18.0	32.6	26.0	12.4	1.6	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) YEARS 69-70, 73-80 JAN MONTH
CLASS ALL WEATHER 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	1.7	3.9	6.7	4.7	.4							17.4	8.7
NNE	.3	2.2	1.5	.4								4.4	6.7
NE	.3	.6	.4	.2								1.6	6.1
ENE	.8	.4	.3									1.5	4.5
E	.2	1.7	.4									2.6	4.1
ESE	.5	1.4	.3									2.3	4.8
SE	.5	1.3	.8	.2								2.8	6.2
SSE	.9	2.4	3.1	.6								8.1	6.2
S	4.1	8.7	5.9	2.8	.2							21.7	6.6
SSW	.2	1.9	1.7	.9	.1							4.8	7.6
SW	.2	.2	1.1	.2								1.7	8.2
WSW	.2	.2	.5	.1								1.1	7.0
W	.4	1.7	.9	.3								2.6	6.5
WNW	.2	.6	.4	.5	.1							1.9	8.8
NW	.9	.5	.9	.5	.2							3.0	7.5
NNW	.1	3.1	2.2	1.5	.8	.2						8.7	8.7
VARBL													
CALM												13.8	
	14.5	29.5	27.1	13.1	1.8	.2						120.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

3972
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.8	7.5	5.4	.9	.2						19.4	9.3
NNE	.6	2.7	2.5	.7	.7							5.9	7.2
NE	.4	.8	1.1	.3								2.6	7.0
ENE	.6	.9	.4	.0								2.0	4.8
E	.7	1.3	.3									2.5	4.1
ESE	.6	.8	.4									1.9	4.7
SE	.7	1.3	.8	.2	.7							3.0	6.0
SSE	1.2	2.1	2.7	.7	.7							6.7	6.8
S	2.3	5.7	5.1	3.5	.5	.7						17.1	7.8
SSW	.6	1.6	2.1	1.7	.3	.7						6.3	9.0
SW	.2	.9	1.2	.4	.7							2.7	7.9
WSW	.3	.5	.8	.7	.1	.7						2.4	8.7
W	.4	.5	1.1	.9	.2	.1	.7					3.4	13.0
WNW	.4	.5	.7	.6	.1	.7						2.3	8.4
NW	.7	.9	1.0	.8	.2	.2	.7					3.9	8.8
NNW	.9	2.1	2.4	2.1	.9	.3	.7					8.7	10.0
VARBL													
CALM												9.3	
	12.4	25.9	30.1	18.0	3.3	.9	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1972
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-74, 73-87
YEARS

FEB
MONTH

ALL WEATHER
CLASS

000-0200
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	2.7	5.7	4.0	.6							14.1	9.2
NNE	.7	.9	1.2	.7								3.5	7.2
NE	.1	.7	.7	.2								1.8	7.3
ENE	.5	.4	.1									.9	4.0
E	.1	1.1										1.2	4.3
ESE	.5	.4	.5									1.3	5.0
SE	.2	.5	1.1	.6	.1							2.5	8.7
SSE	.1	2.4	2.0	1.1								6.5	7.0
S	4.1	9.2	8.9	5.3	.1							27.7	7.4
SSW	.7	2.1	2.7	2.1	.1							7.7	8.6
SW	.1	.5	1.7	.2								2.5	8.4
WSW	.1	.2	.8	.5								1.7	9.6
W	.1	.2	.9	1.1								2.4	9.9
WNW	.4	.7	.9	.5								2.5	7.5
NW	.8	1.5	.9	1.1	.4							4.7	8.1
NNW	2.0	3.2	2.0	1.5								8.7	6.4
VARBL													
CALM												10.4	
	12.6	26.6	30.1	18.9	1.3							110.0	7.0

TOTAL NUMBER OF OBSERVATIONS

346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1962 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70, 73-80 YEARS FEB MONTH 300-0500 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	4.1	4.7	4.1	.6							15.0	8.7
NNE	.7	1.5	.4	.4								3.0	5.5
NE	.5	.7	.2									1.7	4.8
ENE	.5	.2	.2									.9	5.0
E	.2	.2	.6	.1								1.2	6.9
ESE	.4	1.1	.2	.1								1.8	4.9
SE	.8	.5	.7	.6								2.6	6.8
SSE	1.3	2.7	1.2	.6								5.8	5.7
S	3.7	8.7	6.1	2.8	.1							20.8	6.7
SSW	.9	2.7	3.1	3.9	.2							10.2	9.3
SW		.5	2.4	1.4								4.3	9.4
WSW	.1	.2	.5	1.2								2.0	9.9
W	.5	.6	.8	1.8								3.7	9.4
WNW	.6	.4	.5	.4	.1							1.9	7.8
NW	.8	1.3	2.1	1.2	.4							5.8	8.6
NNW	1.7	3.1	2.2	1.8		.1						8.9	7.2
VARBL													
CALM												10.6	
	14.1	27.4	26.0	20.3	1.4	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 846

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1977
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	5.1	5.4	3.8	.4							16.3	8.2
NNE	.5	.8	1.4	.5								3.2	7.3
NE	1.3	.4										1.7	2.6
ENE	.7	.2	.2									.7	5.2
E	.9	1.4	.4	.2								3.0	5.1
ESE	.2	.9	.6	.1								1.9	6.5
SE	.6	1.5	1.9									4.0	6.2
SSE	1.7	2.2	.9	.1								5.0	4.9
S	3.4	7.2	6.5	1.9	.1							19.1	6.5
SSW	.8	2.2	2.2	1.5	.1							7.0	7.9
SW	.5	.6	1.1	.8	.1							3.1	8.7
WSW		.5	1.2	1.2								2.8	9.9
W	.2	.5	1.4	1.9	.2							4.3	10.2
WNW	.4	.5	1.2	.2								2.2	7.5
NW	.9	1.9	1.9	1.2								5.8	7.3
NNW	.8	3.9	2.4	2.8	.5							10.4	8.5
VARBL													
CALM												9.6	
	14.1	29.9	28.7	16.3	1.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

79-2
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

60-70,73-80
YEARS

FEB
MONTH

ALL WEATHER
CLASS

3900-1100
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	.0	3.3	5.6	4.8	1.4							15.2	10.2
NNE	.1	2.1	1.7	.9								5.8	6.8
NE	.1	1.1	1.2	.5								2.8	7.2
ENE	.6	.6	.1	.2								1.5	5.5
E	.4	1.8	.9	.1								3.2	6.1
ESE	.2	.7	.8	.5								2.2	7.5
SE	.1	1.1	.8	.4								2.4	7.1
SSE	.7	1.3	2.4	.6								5.0	7.3
S	.1	3.4	6.3	4.6	.7	.4						16.4	9.6
SSW	.6	1.3	3.7	4.3	.6	.1						9.8	10.6
SW	.1	.8	2.5	1.7								5.1	7.4
WSW	.2	.5	1.5	1.7								3.9	10.3
W	.5	.8	1.9	.9	.5	.2						4.8	10.2
WNW	.1	.6	1.2	1.1	.1	.2						3.3	10.7
NW	.2	.2	1.7	1.1	.2							3.4	9.9
NNW	.3	2.2	3.2	5.3	1.3							12.9	10.6
VARBL													
CALM												2.1	
	7.0	21.9	34.6	28.6	4.8	.9						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

3912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.M.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	5.1	4.7	.8	.1						12.4	10.1
NNE	.1	1.3	2.1	.9								4.5	8.6
NE	1.4	1.4	.8	.5								4.1	5.9
ENE	.4	1.8	1.7									3.8	6.6
E	.2	.6	.6									1.4	5.8
ESE		.7	.9	.6								2.2	8.7
SE	.4	1.9	1.7									3.9	6.2
SSE	.4	1.4	2.1	1.5	.1							5.6	8.8
S	.4	1.8	4.4	7.1	1.1	.8						15.5	11.7
SSW	.1	.9	1.8	7.1	.9	.5						11.3	12.9
SW	.4	.6	1.8	1.5								4.3	9.4
WSW		.9	1.2	.9	.1							3.2	9.2
W	.2	1.1	1.5	1.3	.2	.4	.4					5.1	12.0
WNW		.6	1.3	1.2	1.2	.2						4.5	13.3
NW	.2	.5	1.1	2.4	.4	.1						4.6	11.5
NNW	.7	.5	2.1	5.6	2.5	.4						11.7	13.0
VARBL													
CALM												1.9	
	5.7	17.6	30.0	34.6	7.3	2.5	.4					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

3902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.2	2.6	5.7	4.8	1.4	.1						15.8	10.0
NNE	.4	1.7	1.8	.7	.1							4.6	7.5
NE	.4	.7	1.1	.2								2.4	7.2
ENE	.4	.6	.9	.2								2.1	6.6
E	1.7	1.8	1.5									5.0	5.0
ESE	.2	.9	.7	.6		.1						2.6	8.0
SE	.4	1.1	3.5									5.0	7.1
SSE	.5	1.2	3.3	1.4	.1							6.5	8.4
S	.8	1.1	4.7	9.5	1.3	.4	.1					17.8	12.0
SSW	.8	.9	2.7	3.3	.4	.1						7.6	10.4
SW	.1	.4	1.7	1.9	.1							4.1	10.2
WSW	.5	.9	.8	.6	.2	.1						3.2	9.1
W	.9	.8	.6	1.3	.2	.2						4.1	9.6
WNW		.6	1.1	1.3	.4		.1					3.4	12.1
NW	.5	.2	1.4	1.8	.8	.1						4.8	11.6
NNW		.5	2.1	4.8	1.4	.2						9.1	13.1
VARBL													
CALM												1.8	
	8.6	16.0	33.0	32.5	6.5	1.4	.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2300
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	2.1	2.7	5.4	3.1	1.2							14.4	8.9
NNE	.6	1.5	1.1	.8								4.0	7.3
NE	.6	1.7	.8		.1							3.2	5.8
ENE	1.1	.9	.7									2.7	4.7
E	.9	2.5	.6	.1								4.1	5.2
ESE	.5	2.5	.9	.4	.1							4.4	6.2
SE	1.1	3.9	1.8	.4	.2							7.2	6.0
SSE	.7	4.5	3.8	1.7	.2							10.9	7.4
S	3.3	6.1	7.0	4.3	.4							21.0	7.6
SSW	.7	1.2	.4	.5								2.7	6.0
SW	.6	.2										.8	2.9
WSW	.2	.4	.6									1.2	6.1
W	.7	1.1	.6	.5		.2						3.1	7.5
WNW	.1	.6	.6	.1		.1						1.5	8.6
NW	.2	.9	.9	.5	.2							2.8	8.3
NNW	1.1	2.1	2.4	2.1	.6	.1						8.5	8.7
VARBL													
CALM												7.3	
	14.7	32.7	27.5	14.3	3.0	.5						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

FEB
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	48-53	≥54	%	MEAN WIND SPEED
N	.8	2.6	3.5	3.8	.7	.1						12.5	9.0
NNE	.6	.6	1.3	1.1	.2	.4						4.1	7.8
NE	.4	.4	1.1	.1								1.9	7.1
ENE	.2	.4	.1									.7	4.5
E	.2	.7	.6									1.5	6.1
ESE	.5	.8	.8	.6								2.7	7.0
SE	1.3	1.3	.7	.5	.1	.1						4.0	6.6
SSE	1.5	2.1	4.0	1.8		.1						9.6	7.7
S	4.7	1.5	2.2	3.7	.1							27.2	6.8
SSW	.6	2.1	2.4	.1								5.2	6.6
SW	.6	.4	.2	.2								1.4	5.8
WSW		.4	.7	.1								1.2	7.8
W	.2	1.1	.8	.2								2.4	6.8
WNW	.1	.6	.5	.4								1.5	7.8
NW	1.1	1.7	1.1	.8	.2	.1						5.0	7.9
NNW	1.1	3.1	2.8	1.4	.1							9.6	6.9
VARBL													
CALM												9.5	
	16.0	28.6	28.8	14.8	1.5	.9						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-70,73-80 YEARS FEB
MONTH ALL
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.3	3.1	5.1	4.1	.9	.7						14.5	9.3
NNE	.6	1.3	1.4	.8	.7	.7						4.1	7.6
NE	.6	.9	.7	.2	.7	.7						2.4	6.1
ENE	.5	.6	.5	.1								1.7	5.6
E	.5	1.3	.7	.1								2.6	5.4
ESE	.3	1.1	.7	.4	.7	.7						2.4	6.8
SE	.6	1.5	1.5	.3	.7	.7						3.9	6.7
SSE	.7	2.2	2.5	1.1	.1	.7						6.8	7.3
S	2.7	5.9	6.5	4.9	.5	.2	.7					20.7	8.2
SSW	.7	1.6	2.2	2.9	.3	.1						7.7	9.7
SW	.3	.5	1.4	1.0	.7	.7						3.2	8.9
WSW	.1	.5	.9	.8	.7	.7						2.4	9.3
W	.4	.8	1.1	1.1	.1	.1	.7					3.7	9.7
WNW	.2	.5	.9	.6	.2	.1	.7					2.6	10.1
NW	.5	1.1	1.4	1.2	.3	.7	.7					4.6	9.1
NNW	.2	2.3	2.4	3.2	.8	.1						10.0	9.5
VARBL													
CALM												6.6	
	1.6	25.1	29.9	22.5	3.4	.8	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.5	2.7	3.4	3.7	.4							10.4	6.8
NNE	.4	1.8	1.3	.9								4.4	7.4
NE	.1	.7	.5	.3								1.8	7.2
ENE	.9	.3	.4	.1								1.7	5.1
E	.7	.4	.3									1.0	5.6
ESE	.6	.8	.1	.3								1.8	6.0
SE	.8	2.3	1.7	.6	.1							5.5	6.9
SSE	1.9	2.7	2.9	3.3	.6							11.5	8.5
S	4.8	7.3	6.9	8.2	1.2	.2						28.6	8.5
SSW	.3	1.7	1.5	1.7								4.5	9.1
SW	.1	.6	1.0	.4								2.2	8.1
WSW		.3	1.6	.6								2.6	9.3
W	.4	.9	.3	.8								2.4	7.9
WNW	.4	.9	.2	.3								1.8	6.2
NW	1.7	1.9	1.5	.2		.1						4.7	6.3
NNW	.6	2.6	1.5	2.0	.1							6.9	8.3
VARBL													
CALM												8.2	
	14.2	26.7	25.3	22.9	2.5	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

937

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1972
STATIONROBERT GRAY AAF TX (FORT HOOD)
STATION NAME69-70, 73-80
YEARSMAR
MONTHALL WEATHER
CLASS300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	4.2	2.7	.4							11.2	8.7
NNE	.5	1.9	1.3	.6								4.4	6.9
NE	.5	.9	.4									1.8	5.1
ENE	.3	.2	.1	.4								1.1	7.8
E	.2	.4										.6	3.8
ESE	.2	1.1	.4	.1								1.7	6.1
SE	.5	1.7	1.2	.4								4.0	8.4
SSE	1.4	2.4	3.5	2.5	.3	.1						10.2	8.5
S	2.0	9.7	5.4	4.8	1.7	.2						23.3	7.8
SSW	.4	1.3	3.5	2.9								8.2	9.5
SW	.3	1.4	.9	.1								2.7	6.5
WSW	.1	.5	.5	1.9								2.2	9.4
W	.6	.4	1.8	1.2	.1							4.2	8.8
WNW	.3	.6	1.7	.2	.3							2.5	8.1
NW	.3	1.3	1.9	.6	.1	.1						4.4	8.5
NNW	.4	2.8	2.8	2.0	.1							8.2	8.2
VARBL													
CALM												9.4	
	10.8	28.4	29.0	19.7	2.4	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

MAR
MONTH

ALL WEATHER
CLASS

600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.6	4.2	2.9	.4							11.2	8.6
NNE	.8	1.1	2.6	.6								5.1	7.4
NE	.5	1.1	.9	.2								2.7	6.2
ENE	.4	.6	.2	.1								1.4	5.2
E	.8	.4	.3									1.5	4.6
ESE	.6	.8	.6	.4								2.5	6.4
SE	.6	1.4	1.5	.9								4.4	7.3
SSE	.9	2.7	2.4	1.2	.1							6.6	7.6
S	2.5	7.8	6.9	3.2	.5							21.0	7.4
SSW	.5	1.1	3.3	1.4	.4							6.8	9.3
SW	.4	.8	.6	.4								2.3	7.1
WSW	.3	.8	1.4	.6								3.1	7.6
W		1.1	1.2	1.4	.2							3.9	10.2
WNW	.6	1.1	1.5	.9	.2							4.3	8.4
NW	.1	1.3	1.7	1.3	.3	.1						5.8	8.3
NNW	1.0	2.7	2.5	2.0	.3							8.5	8.2
VARBL													
CALM												9.1	
	12.2	26.6	31.8	17.6	2.6	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION
1977

STATION NAME
ROBERT GRAY AAF TX (FORT HOOD)

YEARS
69-70, 73-80

MAP
MONTH

CLASS
ALL WEATHER

HOURS (L.S.T.)
900-1100

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.8	5.7	5.5	.4	.5						13.0	11.2
NNE	.1	1.4	2.0	1.7								5.3	8.9
NE	.6	.6	1.1	.6	.1							3.1	8.0
ENE	.3	.5	.8	.5								2.2	7.8
E	.5	1.4	1.9									3.9	6.3
ESE	.6	.9	1.8	.8								4.1	7.7
SE	.5	1.5	2.3	1.7								6.0	8.3
SSE	.4	2.2	3.0	2.8	.1	.1						8.6	9.1
S	.9	2.8	5.2	6.8	1.1	.3						17.0	10.6
SSW	.3	.6	3.1	3.9	1.4							9.4	11.6
SW	.2	.4	.9	1.1	.1	.1						2.8	10.6
WSW	.1	.3	1.0	.4	.2							2.0	9.8
W	.1	.9	1.5	1.9	.8	.1						5.3	11.5
WNW	.3	.3	1.1	1.9	.8							4.4	12.3
NW	.6	.4	1.2	2.0	.5							4.8	10.6
NNW	.2	.4	2.9	2.9	1.0	.1						7.5	11.7
VARBL													
CALM												.6	
	6.1	15.5	35.4	34.6	6.5	1.3						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

79.2
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-73, 73-83
YEARS

MAP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	4.6	3.5	.4	.3						10.6	10.7
NNE	.3	.6	2.4	1.6								4.9	9.4
NE		.1	1.2	.5	.1							2.9	8.4
ENE	.7	1.4	.6	.3								2.6	6.8
E	.4	1.2	1.7	.2								3.5	6.8
ESE	.7	1.4	1.7	.5								4.0	7.5
SE	.4	1.2	2.6	2.2	.1							6.5	9.1
SSE	.9	.8	3.4	3.8	.8							9.6	10.2
S	.3	1.8	3.1	1.9	2.9	.1						19.1	12.8
SSW		1.1	1.9	2.8	1.2	.2						7.1	12.2
SW	.1	.4	.5	.8	.1							1.9	9.8
WSW	.2	.5	.6	1.0	.2	.1						2.7	10.7
W	.4	.6	1.8	1.5	1.1	.2	.1					5.8	11.9
WNW	.7	.1	1.2	2.3	1.3	.3						5.4	14.1
NW	.7	.4	.8	1.4	.9	.1						3.8	12.6
NNW	.4	.6	2.2	4.1	1.7							8.3	11.8
VARBL													
CALM												1.3	
	4.7	14.7	30.4	37.3	10.0	1.4	.1					110.0	10.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1912 STATION ROBERT GRAY AAF TX (FORT HOOB) 69-70, 73-80
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

4AP MONTH
580-1700 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	.6	1.7	4.4	4.1	.8	.1						1.7	10.3
NNE	.7	1.1	1.9	1.4								4.5	9.0
NE		.7	.6	1.5								2.4	10.9
ENE	.1	1.1	1.2	.4								2.8	7.9
E	.9	2.6	1.6	.3								5.4	6.0
ESE	.4	1.7	1.8	.4								4.4	6.7
SE	.2	1.8	3.0	1.8	.2							7.1	9.0
SSE	.3	1.1	3.4	5.2	1.2	.1						11.3	11.5
S	.3	1.2	4.1	11.5	2.4							19.5	12.6
SSW	.1	.4	1.0	2.6	.8							4.8	12.1
SW		.2	.9	.4	.1							1.6	9.5
WSW		.3	.9	.1	.4							1.7	11.1
W	.1	.8	.6	2.0	1.1	.3						4.9	13.3
WNW	.1	.8	.4	1.5	1.2	.4						4.4	14.1
NW	.1	.5	1.0	1.9	.4	.1						4.2	11.8
NNW	.1	1.1	1.3	3.2	1.4	.4						7.5	13.2
VARBL													
CALM												1.7	
	3.7	16.5	28.2	38.5	9.9	1.5						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

5932
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.7	4.7	3.4	.6							12.0	9.0
NNE	.0	1.5	1.1	1.1								4.6	6.8
NE	.0	1.3	1.2	.6								4.0	6.5
ENE	.4	.5	.6									1.6	5.6
E	1.8	2.7	1.1	.1								5.7	4.8
ESE	.0	3.1	2.5	.3								6.9	6.1
SE	.8	2.0	4.0	1.8	.3							8.9	8.4
SSE	.8	2.0	6.8	5.3	.8							16.5	9.5
S	1.4	2.9	5.2	7.0	.6							17.1	9.6
SSW	.6	.4	.5	.1								1.7	6.1
SW	.3	.3	.4	.1								1.2	5.8
WSW	.1	.8	.1	.2	.1							1.3	8.1
W	.2	.5	.6	.8	.5							2.7	10.7
WNW	.3		1.1	.8	.1							2.3	9.7
NW	.4	1.7	.9	.4	.1							2.8	7.2
NNW	.6	1.7	1.8	2.4	.3							6.9	9.3
VARBL													
CALM												3.9	
	1.9	24.4	31.8	24.4	3.5							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

3902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

67-70, 73-80
YEARS

MAP
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	1.8	2.3	3.1	.5							9.2	8.9
NNE	.3	1.3	1.4	.5								3.5	7.5
NE	.3	1.1	.5		.1	.1						2.0	7.3
ENE	.4	.9	.5	.1								1.9	5.5
E	.4	2.6	.6									3.7	5.0
ESE	.6	1.8	1.5	.3								4.3	6.5
SE	.9	2.7	3.2	1.3	.1							7.5	7.5
SSE	.9	2.5	5.6	4.5	.5							14.0	9.6
S	2.7	6.1	5.9	7.2	1.7							22.8	8.8
SSW	1.5	1.7	.8	.2								3.9	5.4
SW	.2	.6	1.7									1.8	6.5
WSW		.3	.6	.3		.1						1.4	9.8
W		.9	.5	.6	.3							2.4	10.1
WNW	.3	.8	1.7	.1								2.2	6.6
NW	.7	1.4	.9	.3		.1						4.4	5.3
NNW	.9	2.6	1.5	1.7	.1	.1						6.9	8.0
VARBL													
CALM												9.1	
	12.2	28.4	27.8	20.4	2.7	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.9	4.1	3.5	.5	.1						11.2	9.6
NNE	.5	1.3	1.7	1.1								4.6	8.0
NE	.4	.7	.8	.5	.0	.0						2.6	7.5
ENE	.4	.7	.6	.3								1.9	6.6
E	.7	1.5	1.0	.1								3.2	5.6
ESE	.6	1.4	1.3	.4								3.7	6.6
SE	.6	1.7	2.4	1.3	.1							6.2	8.0
SSE	.9	2.1	3.9	3.6	.6	.0						11.0	9.4
S	2.1	4.9	5.3	7.4	1.3	.1						21.0	9.6
SSW	.4	1.1	2.0	1.9	.5	.0						5.8	10.1
SW	.2	.6	.8	.4	.2	.0						2.1	8.1
WSW	.1	.5	.8	.5	.1	.0						2.1	9.4
W	.2	.8	1.1	1.3	.5	.1	.0					3.9	10.9
WNW	.3	.6	.9	1.0	.5	.1						3.4	10.9
NW	.7	1.1	1.2	1.0	.3	.1						4.4	8.8
NNW	.5	1.8	2.1	2.6	.5	.1						7.6	9.9
VARBL													
CALM												5.3	
	9.5	22.6	30.0	26.9	5.7	.7	.0					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE MAC

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

SURFACE WINDS

1972 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70, 73-80 YEARS APR MONTH
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 000-0200

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.2	2.2	1.8	.2							7.4	8.2
NNE	1.1	.8	.7	.4								2.9	6.3
NE	.2	.7	.2									1.1	5.1
ENE	.	.2	.2									.6	6.2
E	.3	.7	.6	.6								2.1	7.3
ESE	.2	.9	.8									1.9	6.1
SE	.9	1.8	2.2	.1								5.0	6.2
SSE	2.3	2.3	4.8	4.9	.8	.2						15.3	9.4
S	2.9	8.7	11.0	9.8	1.2	.3						33.9	8.9
SSW	.6	1.7	1.1	.3	.1							3.8	6.6
SW	.5	.2	.7									1.2	6.2
WSW	.2	.2	.2	.1								.8	6.1
W	.4	.4	.6	.1								1.6	5.6
WNW	.4	.3	.6	.1								1.4	5.5
NW	.8	.6	.3	.4								2.1	6.3
NNW	.9	3.4	1.7	1.1								7.1	6.9
VARBL													
CALM												11.8	
	12.7	25.1	27.8	19.8	2.3	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1912 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 69-70, 73-80 APR MONTH
CLASS ALL WEATHER 300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.5	3.1	2.0	.3							9.8	7.9
NNE	.9	1.1	1.1	.2								3.3	6.0
NE	.2	.4	.1									.8	4.3
ENE	.2	.4	.7									1.3	5.9
E	.3	.7	.6	.1								1.7	5.7
ESE	.6	1.2	.3									2.1	4.7
SE	.6	1.8	1.9	.1								4.3	6.3
SSE	2.4	4.7	4.8	2.8	.4							15.1	7.8
S	3.2	7.9	8.9	5.8	.9	.7						27.3	8.5
SSW	.7	1.7	3.0	1.2	.1							6.7	8.0
SW	.3	.3	.8	.2								1.7	7.1
WSW	.1	.6	.3	.1								1.1	6.9
W	.2	.3	.3	.3								1.2	7.5
WNW	.1	.4	.1	.1		.1						.9	8.5
NW	.9	.7	1.2	.6								3.3	6.9
NNW	1.4	3.1	1.8	1.2								7.6	6.5
VARB													
CALM												11.8	
	13.0	28.9	29.0	14.8	1.8	.8						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

7012
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	3.4	2.2	1.9	.1	.1						8.9	7.6
NNE	.4	.9	1.7	.6								3.6	7.5
NE	.4	1.1	.4	.1								2.1	5.7
ENE	.8	.7	.2	.1								1.8	4.3
E	.8	.6	1.7									2.6	5.5
ESE	.7	1.2	1.9	.1								3.6	6.8
SE	.8	1.3	2.9			.1						5.6	6.8
SSE	1.4	3.3	4.6	2.7	.1							12.1	8.1
S	3.2	3.3	9.1	4.2	.6	.1						25.6	7.7
SSW	1.1	1.7	1.7	1.7	.2							6.3	8.1
SW	.1	1.1	.6			.1						1.9	6.9
WSW	.1	.4	.7	.2								1.4	7.1
W	.7	.9	.4	.6								2.9	7.7
WNW	.1	.9	.2	.4	.1							1.7	8.1
NW	.7	1.4	2.7	.6	.2							4.9	8.0
NNW	.2	2.3	2.7	1.1	.2							6.9	7.3
VARBL													
CALM												9.2	
	12.9	30.1	31.6	14.2	1.6	.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) YEARS 69-70, 73-80 APR
MONTH
1900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.8	4.7	2.9	.3							6.1	9.1
NNE	.2	.5	1.6	.9								3.2	8.8
NE	.4	.9	.7	.9								3.0	7.7
ENE	.2	1.3	1.3	.2	.1							3.2	7.2
E	.6	1.1	1.4	.3								3.4	6.9
ESE		1.4	1.7	.3								3.4	7.2
SE	.2	1.3	4.2	1.9								7.7	8.9
SSE	.6	2.1	5.4	4.1	.7							12.8	9.8
S	.2	2.2	9.7	11.9	1.3	.1						23.8	11.1
SSW	.2	.6	3.7	3.8	.2							8.4	10.7
SW	.2	.1	1.1	.4	.2							2.1	10.2
WSW	.3	.7	.3	.3								1.7	6.7
W	.1	.3	.9	.3	.2	.1						2.4	9.3
WNW	.1	.7	.9	.6								2.2	8.1
NW	.3	.6	1.4	1.2	.4							4.0	10.3
NNW	.5	.9	1.1	3.3	.7							6.3	11.6
VARBL													
CALM												2.1	
	4.7	16.9	39.4	32.4	4.2	.2						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 42 ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-70,73-80 YEARS
APP 1200-1400 MONTH 1200-1400 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	1.0	1.2	2.2	3.8	.3							9.2	9.5
NNE	.3	1.1	2.2	1.3								4.8	8.6
NE	.3	.9	1.4	.3								3.0	7.1
ENE	.6	1.1	1.2	.2								3.0	6.6
E	.2	1.1	1.9	.3								3.6	7.0
ESE	.3	.4	2.4	.7								3.9	8.7
SE	.7	1.6	3.2	1.4	.1							7.0	8.2
SSE	.1	1.3	7.1	7.1	.4							16.1	10.8
S		1.4	9.4	11.2	2.4	.3						23.9	11.8
SSW	.3	.3	2.2	1.7	.2							4.8	10.1
SW	.3	.6	.9	.2								2.0	7.4
WSW		.3	.9	.4	.1							1.8	9.9
W	.1	.9	.8	.2	.3							2.3	9.0
WNW	.1	.3	.3	1.0	.1							1.9	10.5
NW	.2	.9	1.2	1.8	.4							4.6	10.6
NNW	.3	1.2	1.7	2.8	.8							6.8	11.0
VARBL													
CALM												1.4	
	4.8	15.3	39.2	33.6	5.3	.3						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1972 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70, 73-80 YEARS
APR MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.1	3.1	1.9	.2							8.0	8.5
NNE	.5	.6	2.1	1.3								4.6	8.5
NE	.3	.7	1.8	.4								3.4	7.3
ENE	.4	.8	1.2	.4								3.0	7.0
E	.7	1.9	1.9	.4								4.9	6.7
ESE	.2	1.3	2.3	1.2								5.1	8.5
SE	.1	1.7	4.7	3.6	.2		.1					10.3	10.2
SSE	.4	2.3	6.7	9.2	1.4	.1						20.2	11.1
S	.4	1.8	6.6	8.8	3.7	.2						21.4	12.0
SSW	.1	1.2	1.2	.7								3.2	7.6
SW	.1	.6	.4	.3								1.4	7.9
WSW		.1	.2	.2								.6	9.4
W	.1	.2	.3	.9								1.6	9.6
WNW	.2	.2	.7	.4	.4							2.0	10.7
NW		.4	.8	1.6	.6	.1						3.4	12.3
NNW	.3	.2	1.4	2.6	1.7							6.2	11.5
VARBL													
CALM												.6	
	10.0	16.9	35.4	34.0	7.6	.4	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

YEARS

APR
MONTH

800-200
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	1.3	2.6	2.8	1.8								3.4	7.6
NNE	.9	1.1	1.7	.3								3.9	6.5
NE	.9	1.2	1.7	.7								3.8	6.3
ENE	1.1	.7	.7	.2								2.7	5.6
E	.9	3.6	2.7	.2								6.7	5.8
ESE	.7	3.2	2.6	.2								5.7	6.2
SE	.4	2.1	4.4	2.1	.2	.1						9.4	9.1
SSE	.8	6.3	9.1	9.6	1.4	.1	.1					27.4	9.9
S	1.6	2.8	4.7	5.0	1.2	.2						15.4	9.9
SSW	.1	.6	.1	.1								.9	5.8
SW	.1	.1										.2	4.5
WSW	.3	.3										.7	3.5
W	.7	.3	.4	.1								1.6	5.6
WNW	.1	.1	.2	.7								1.1	10.2
NW	.1	1.1		.3	.3	.1						1.9	9.2
NNW	.4	.2	.4	1.1	.4							3.3	9.8
VARBL													
CALM												5.9	
	17.3	26.2	30.1	22.4	3.7	.6	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-70, 73-85 YEARS APR MONTH
CLASS ALL WEATHER 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	1.0	1.1	.1							6.9	7.1
NNE	.4	.4	.9	.2								2.0	6.6
NE		.4	.8	.2								1.6	7.4
ENE	.7	.6	.6	.1								1.4	6.1
E	.6	1.2	1.1	.4								3.3	6.4
ESE	.9	2.1	1.6	.1								4.7	5.7
SE	.8	2.9	3.3	1.1	.2							8.3	7.8
SSE	.7	6.1	7.7	6.8	1.1	.1						23.1	9.2
S	4.1	5.9	6.6	7.0	1.2	.7						25.0	8.5
SSW	.4	.8	.1									1.3	4.2
SW	.1	.3										.4	4.5
WSW	.7	.1	.2	.1								.7	7.2
W		.4	.6									1.0	7.2
WNW	.1	.2		.2			.1					.7	10.8
NW	.4	1.1	.3	.8	.3	.1						3.1	9.3
NNW	.8	3.2	.3	.9	.1							5.3	6.3
VARBL													
CALM												11.1	
	12.3	28.6	25.2	19.1	3.1	.4	.1					100.3	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 60-70.77-83 YEARS APR MONTH
CLASS ALL WEATHER ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.5	2.8	2.1	.2	.						8.6	8.2
NNE	.4	.8	1.5	.7								3.5	7.5
NE	.4	.8	.8	.3								2.3	6.7
ENE	.5	.7	.8	.2	.1							2.1	6.3
E	.5	1.4	1.3	.3								3.5	6.4
ESE	.4	1.5	1.7	.3								3.9	6.9
SE	.5	1.9	3.4	1.3	.1	.1	.1					7.2	8.3
SSE	1.3	3.6	6.2	5.9	.8	.1	.1					17.8	9.6
S	2.1	4.9	8.2	7.7	1.6	.3						24.5	9.7
SSW	.4	1.1	1.6	1.2	.1							4.4	8.6
SW	.2	.4	.6	.2	.1	.1						1.4	7.6
WSW	.2	.3	.4	.2	.1							1.1	7.4
W	.2	.5	.5	.3	.1	.1						1.7	7.9
WNW	.2	.4	.4	.4	.1	.2	.1					1.5	9.0
NW	.1	.8	.9	.9	.3	.1						3.4	9.3
NNW	.7	2.1	1.3	1.8	.4							6.2	8.7
VARBL													
CALM												6.7	
	2.5	23.6	32.2	23.8	3.7	.5	.0					111.0	8.1

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

2912
STATION

ROBERT GRAY AAF TX (FORT HOOD)

STATION NAME

69-70, 73-80

YEARS

MAY

MONTH

ALL WEATHER
CLASS

000-0200
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	1.7	1.8	.5	.1							5.2	6.8
NNE	.5	.6	.5	.3								2.0	6.2
NE	.3	.3	.2	.1								1.0	5.3
ENE	.1	.2	.2									.5	5.6
E	.2	.9	.6									1.7	5.8
ESE	.3	.6	.6	.1								1.7	6.4
SE	1.3	1.1	1.7	1.1	.1							5.3	7.2
SSE	2.7	3.2	5.3	3.5								14.7	7.7
S	3.8	1.4	11.1	8.0	.2							33.4	7.8
SSW	.1	2.2	1.9	.4								5.6	6.2
SW	.2	.5	.3	.1								1.2	5.4
WSW	.1	.2	.2	.2		.1						.9	10.6
W		.2	.1	.2			.1					.6	12.0
WNW	.4	.5	.1									1.1	4.2
NW	1.1	.8	.6	.2								2.6	5.6
NNW	1.7	2.2	.9	.5	.1							5.4	5.7
VARBL													
CALM												17.1	
	4.7	25.7	26.3	15.4	.5	.1	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-79,73-80 YEARS MAY
MONTH 300-0500
HOURS (L.S.T.)

ALL WEATHER
CLAS

CONDITION

SPEED (KNTS) DIR	1 - 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	1.0	2.2	1.0								6.1	6.8
NNE	.6	.5	.6	.1	.1							2.0	6.5
NE	.5	.2	.4									1.2	4.5
ENE	.4	.1	.2									.8	4.3
E	.4	.5	.4	.1								1.5	5.7
ESE	.6	.8	.5									1.9	5.1
SE	.8	.8	1.0	.6								3.1	6.9
SSE	2.5	4.6	6.7	1.1		.1						14.9	6.9
S	5.1	9.7	11.3	4.1	.1							29.2	6.8
SSW	1.3	2.1	1.3	.3								4.9	5.6
SW	.4	.5	1.1	.1								2.2	6.5
WSW	.3	.1	.8									1.2	6.9
W	.1	.2	.9	.1								1.3	8.0
WNW	.5	.4	.4	.3	.1							1.8	7.1
NW	.9	.2	.6	.1								1.8	5.8
NNW	.6	2.4	1.0	.3								5.3	5.2
VARBL													
CALM												23.6	
	17.3	24.9	28.4	8.3	.3	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	2.2	1.9								7.0	7.8
NNE	.3	.3	.8	.5								2.4	7.1
NE	.3	.5	.5	.1								1.5	8.1
ENE	.5	1.1	.5	.1								2.2	5.6
E	.6	1.4	.9									2.9	5.3
ESE	.5	1.6	1.6									3.8	6.0
SE	1.4	2.2	2.4	.2								6.1	5.9
SSE	2.7	3.3	4.2	1.3								10.9	6.7
S	3.7	7.1	11.5	4.1								25.4	7.3
SSW	.3	1.7	4.1	1.4	.1							7.6	8.5
SW	.8	.6	1.4	.3								3.1	6.6
WSW	.4	.5	.4	.2								1.6	5.9
W	.6	.6	.3	.3								1.9	6.2
WNW	.3	.1	.8	.4								1.6	8.0
NW	.9	1.0	.6	.2								2.6	5.9
NNW	1.3	1.8	1.9	.9								5.9	6.7
VARBL													
CALM												13.5	
	15.6	25.7	33.0	12.0	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-70.73-80 YEARS
MAY
MONTH
900-1100
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	2.4	3.3	.1							3.0	9.3
NNE	.7	1.4	1.7	.9								4.3	7.8
NE	.5	1.1	1.1	.2	.1							3.0	6.6
ENE	.3	1.2	.9	.5	.2							3.1	7.9
E	.0	1.1	1.1	.3								3.3	6.0
ESE	.8	.9	1.1	.2								2.8	5.7
SE	.9	2.3	3.5	.9								7.5	7.3
SSE	.5	2.7	6.9	2.7	.2							13.0	8.6
S	1.7	4.6	10.2	10.3	.6							27.1	9.7
SSW	.5	1.4	3.3	4.3	.2							9.8	10.1
SW		1.1	1.8	1.1								3.9	9.4
WSW	.8	.2	.4	.1								1.5	5.4
W	.5	.8	.8									2.0	5.1
WNW	.4	.4	.1	.4								1.4	6.9
NW	.7	.5	.5	.6	.1							2.6	9.0
NNW	.6	.5	2.0	1.0	.2							4.4	8.9
VARBL													
CALM												2.8	
	2.4	21.4	37.7	26.9	1.8							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.9	2.7	2.8								7.3	8.6
NNE	.3	.6	1.8	.6								3.4	8.2
NE	.2	1.1	1.2	.4	.1							3.0	8.0
ENE	.8	1.4	1.7	.6								3.8	6.6
E	.6	1.6	1.4	.4								4.1	6.6
ESE	.6	1.2	2.7	.3								4.5	6.6
SE	.6	2.5	3.2	1.2								7.5	7.5
SSE	.1	3.1	8.2	6.2	.2							18.8	9.1
S	.5	2.3	17.0	11.8	.1							24.7	10.5
SSW	.4	1.1	3.4	2.3								7.2	9.2
SW		1.1	.8	.4	.1							2.4	8.6
WSW	.3	.5	.4	.1								1.4	5.8
W	.4	.5	.2	.1								1.3	5.6
WNW	.5	.1	.3	.3	.1							1.4	7.4
NW	.1	.2	1.7	.6								1.9	9.6
NNW	.6	.8	1.1	1.7	.2							4.4	9.0
VARBL													
CALM												2.8	
	9.2	18.9	38.1	30.1	.9							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

9311

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1912 STATION ROBERT GRAY AAF TX (FORT HOOD) 60-70.73-80 YEARS
ALL WEATHER CLASS
CONDITION
MAY MONTH
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	.1	1.1	3.5	1.1	.1							6.9	7.8
NNE	.8	1.2	1.6	1.1								4.6	7.4
NE	.5	.9	1.5	.3								3.2	7.7
ENE	.3	1.1	1.3	.5								3.1	7.6
E	.4	1.9	1.8	.2								4.4	6.7
ESE	1.1	1.7	2.7	.5								6.0	7.0
SE	.3	3.4	5.4	2.7	.2							12.0	8.5
SSE	.9	2.5	9.6	8.5	.8							22.2	10.1
S	.5	2.9	8.2	8.4	.8							20.8	10.3
SSW	.2	1.1	1.7	1.1	.1	.1						4.3	9.4
SW	.2	.7	.5	.3								1.9	6.7
WSW	.4	.5	.2	.1								1.3	5.4
W	.1	.6	.5	.3								1.6	7.5
WNW	.4	.1	.6	.4		.1						1.7	8.9
NW	.7	.2	.2	.4								1.1	8.6
NNW	.7	.5	1.2	1.0	.1							3.0	9.3
VARBL													
CALM												1.8	
	7.7	20.5	40.6	27.0	2.0	.2						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION

ROBERT GRAY AAF TX (FORT HOOD)

STATION NAME

69-70, 73-80

YEARS

MONTH

ALL WEATHER

CLASS

1990-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.1	2.5	.6								6.0	6.8
NNE	1.3	1.6	1.4	.5								4.8	6.0
NE	.4	.7	.6			.1						2.0	6.2
ENE	1.0	.8	.8	.3								2.8	5.3
E	1.4	3.2	1.0	.2								5.8	4.9
ESE	1.1	2.9	2.0	.5								6.5	6.3
SE	2.0	5.7	6.0	2.0	.1							15.9	7.1
SSE	1.6	6.2	12.8	6.2	.1							27.0	8.5
S	1.5	3.8	7.1	4.0	.3							16.7	8.5
SSW	.2	.2	.5	.2								1.2	7.1
SW	.3	.1	.1									.5	4.0
WSW	.2	.4		.2								.9	6.4
W	.3	.4	.1									.9	4.1
WNW		.1										.1	6.0
NW	.1	.4	.3	.4								1.3	8.6
NNW	.6	.6	.8	.8								2.8	7.6
VARBL													
CALM												4.8	
	12.9	29.5	36.0	16.1	.5	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 60-70,73-60 YEARS MAY
CLASS ALL WEATHER MONTH 2100-2300
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.4	1.6	.5		.1						5.7	6.0
NNE	.5	.3	.8	.3								1.9	7.1
NE	.5	.5	.3	.1								1.1	6.2
ENE	.5	.6	.2	.1								1.5	4.6
E	1.3	1.6	.6	.1	.2							3.9	5.6
ESE	1.2	1.9	1.7	.3								4.4	5.6
SE	1.7	4.7	3.1	.8								10.3	6.3
SSE	2.2	6.1	9.2	4.5	.2							23.0	7.8
S	4.2	6.2	6.1	4.9	.4							21.9	7.5
SSW	.9	.8	.3	.3	.1							2.4	6.3
SW	.1	.2	.2									.5	5.2
WSW	.1	.3	.1	.2								.8	7.7
W	.3	.2	.1	.1								.8	5.2
WNW	.8	.2		.3								1.3	5.5
NW	1.2	.8										1.9	3.1
NNW	.1	1.2	.9	.4								3.4	6.4
VARBL													
CALM												15.2	
	18.8	27.2	24.6	13.1	1.0	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 012 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 69-70, 73-81
MAY
MONTH
ALL
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.2	1.5	2.3	1.5	.0	.0						6.5	7.6
NNE	.6	.9	1.2	.6	.0							3.2	7.1
NE	.4	.7	.7	.2	.7	.7						2.0	6.6
ENE	.5	.8	.6	.3	.0							2.2	6.4
E	.3	1.5	1.7	.2	.7							3.5	5.8
ESE	.8	1.5	1.4	.3								4.0	6.2
SE	1.1	2.8	3.3	1.2	.1							8.5	7.2
SSE	1.8	4.1	7.8	4.3	.2	.7						19.1	8.3
S	2.6	5.9	9.2	6.9	.3							24.9	8.5
SSW	.6	1.3	2.1	1.3	.1	.7						5.4	8.3
SW	.3	.6	.8	.3	.7							2.0	7.4
WSW	.3	.4	.3	.1		.0						1.2	6.5
W	.5	.5	.4	.1			.7					1.3	6.4
WNW	.4	.3	.3	.3	.7	.0						1.3	7.1
NW	.6	.5	.5	.3	.7							1.9	6.8
NNW	.1	1.2	1.2	.8	.1							4.3	7.2
VARBL													
CALM												9.8	
	13.2	24.2	33.1	19.6	.9	.1	.0					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7447

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 2212 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 60-73 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 000-0200
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	.2	.3	.3	.3								2.1	5.7
NNE	.2	.1	.8	.3								1.6	8.3
NE	.6	.3	.1									1.0	3.4
ENE	.1	.4	.2	.1								.9	6.3
E	1.7	.7	.1									1.8	3.4
ESE	.3	.9	.2	.1								1.4	5.2
SE	1.3	1.9	.7	.3								4.2	5.2
SSE	1.9	3.6	2.9	1.4								9.7	6.8
S	5.1	9.8	21.1	12.9	.1							48.9	8.5
SSW	1.4	3.2	2.8	.7	.1							8.2	6.5
SW		.4	.0	.1								1.4	7.9
WSW	.1	.1	.2									.4	6.5
W			.4									.4	8.5
WNW	.6		.1	.1								.8	4.6
NW	.4	.2	.2									.9	4.0
NNW	.1	1.3	.1									1.6	4.7
VARBL													
CALM												14.6	
	13.9	23.7	31.1	16.5	.2							110.0	6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-73,73-89 YEARS JUN MONTH
CLASS ALL WEATHER 1300-0500
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	1.0	.2	.3								2.7	5.4
NNE	.7	.4	.7	.2								2.9	6.0
NE	.6	.2	.6									1.3	5.3
ENE	.7	.3										.6	5.6
E	.4	.4										.9	3.4
ESE	.3	.8	.2									1.3	4.6
SE	.6	1.4	.4									2.4	5.0
SSE	2.7	2.6	2.7	1.1								8.3	5.9
S	8.4	12.4	15.2	8.4	.6	.1						45.2	7.4
SSW	.2	4.4	4.6	1.6	.1							11.4	7.3
SW	.4	.9	1.7									3.0	6.3
WSW	.2	.1	.7	.3								1.3	8.6
W	.7	.1	.1	.1								.7	5.5
WNW	.7	.1	.1		.1							.6	6.6
NW	.7	.4	.3									1.1	5.3
NNW	.1	1.3	.1									1.6	4.7
VARBL													
CALM												15.6	
	17.4	27.1	26.9	12.1	.8	.1						110.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOB) STATION NAME 59-70,73-80 YEARS JUN
MONTH 1600-0800
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	1.0	1.7	.6	.6								4.6	5.2
NNE	.7	.8	.9	.1								2.4	5.8
NE	.7	.7	.4									1.8	4.9
ENE	.6	.3										.9	3.5
E	.6	.6	.2									1.3	4.4
ESE	.4		.3	.1								.9	5.4
SE	.3	.8	.6	.2								1.9	6.4
SSE	1.2	2.9	2.7	1.0			.1	.1				8.0	7.7
S	4.8	7.6	14.7	8.6	1.1							36.6	8.4
SSW	1.7	3.8	5.4	4.8	.1							15.8	8.4
SW	.4	1.3	1.4	1.4								4.7	8.3
WSW	.3	.9	1.7	.2								2.4	6.5
W	.4	.2	.7	.3								1.7	6.9
WNW	.2	.7	.7	.1								1.9	6.1
NW	.4	.2	.2									.9	4.1
NNW	.1	1.1	.2									2.2	4.0
VARBL													
CALM												12.1	
	5.6	23.6	30.0	17.4	1.1		.1	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

79 2
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-8J
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	1.1	.9								4.2	7.2
NNE	.9	1.2	1.1	.1								3.1	5.9
NE	.7	1.4	1.1	.6								3.9	6.4
ENE	.7	1.0	.6									2.7	4.8
E	.8	.4	.7									1.9	4.8
ESE	.3	.7	.6									1.6	6.0
SE	1.1	.9	1.1	.2								3.2	5.9
SSE	1.1	1.8	2.4	2.1	.1							7.4	8.2
S	1.1	3.2	13.8	14.1	1.2	.3						34.4	19.5
SSW	.7	2.3	6.1	8.0	.9	.1						18.0	10.8
SW	.6	1.3	3.2	2.7	.2							8.0	9.2
WSW	.3	1.6	1.0	.4								3.3	6.7
W	.1	1.2	.6	.1								2.0	6.0
WNW	.1	.1	.3									.6	6.0
NW	.1	.4	.4	.3								1.3	8.0
NNW	.8	.1	.6									1.4	4.9
VARBL													
CALM												2.9	
	0.1	20.2	34.3	29.6	2.4	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-70, 73-83 YEARS JUN MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
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	.7	1.4	1.6	.6								4.2	5.6
NNE	.6	1.3	1.2									3.1	6.0
NE	.4	.9	1.3	.3								3.6	6.9
ENE	.3	1.0	1.2	.4								3.8	6.9
E	.1	2.1	1.4	.3								4.9	5.8
ESE	.7	1.1	.6	.2								2.4	5.7
SE	.7	2.2	1.8	.4	.1							5.2	6.7
SSE	.7	3.6	6.8	4.0	.1							15.1	8.7
S	.7	4.6	14.1	15.3	2.0	.4						37.2	10.7
SSW	.7	1.0	4.7	4.1	.2	.1						11.2	9.9
SW	.2	.9	.9	.7								2.7	8.4
WSW	.2	.7	.1	.4								1.4	6.6
W	.6	.3		.1								1.0	4.8
WNW	.1	.4		.3								.9	7.6
NW	.2	.3	.4	.3								1.3	7.8
NNW	.4	.4	.2									1.1	4.5
VARBL													
CALM												1.3	
	7.9	23.9	36.2	27.7	2.4	.6						170.2	8.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

19 72 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70, 73-83 YEARS JUN
MONTH
1500-1700
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.4	.6								3.6	7.3
NNE	.4	1.2	1.2	.7								3.6	7.2
NE	.3	1.2	1.7	.3								3.6	6.7
ENE	.7	1.4	1.7	.2								3.7	6.9
E	.7	2.0	2.4	.2								3.3	6.5
ESE	.4	1.6	1.7	.4								4.1	7.1
SE	.8	1.8	3.2	1.3								7.1	8.7
SSE	.7	4.1	11.3	6.7	.3							23.1	9.4
S	.3	3.8	14.7	14.1	1.6	.1						34.6	10.7
SSW	.2	.9	1.7	1.3	.2							4.3	9.4
SW	.1	.4	.4	.1								1.3	5.8
WSW	.2	.3										.6	3.8
W	.2	.1	.1									.4	4.5
WNW	.2	.2	.1	.1								.7	6.0
NW	.1	.1	.6	.1								.9	8.6
NNW	.2	.7	.4	.2								1.6	6.8
VARBL													
CALM												1.7	
	5.2	21.8	42.0	26.4	2.1	.1						125.0	8.8

TOTAL NUMBER OF OBSERVATIONS 979

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7502 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 69-73, 73-80 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000
CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.0	.6	.7								2.6	7.6
NNE	.2	.9	.8	.4								2.9	6.2
NE	.4	.9	.7	.2								2.2	6.3
ENE	1.1	.7	.8	.1								2.7	5.1
E	.6	2.6	1.1	.1								5.3	4.9
ESE	1.6	3.3	1.7	.2								6.8	5.3
SE	.8	5.1	4.6	1.0								12.4	6.4
SSE	1.7	8.2	14.0	6.1	.1							31.1	8.1
S	1.4	5.2	10.9	9.0	.6							27.1	7.3
SSW	.3	.7	.6	.1								1.7	6.3
SW	.1											.1	3.0
WSW	.2		.2									.4	5.3
W	.1	.1										.2	3.5
WNW												.1	1.0
NW		.2	.3	.1								.7	7.7
NNW		.1	.4									.7	7.5
VARBL													
CALM												4.0	
	11.6	22.0	36.7	18.1	.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-71, 73-81 YEARS JUN
CLASS ALL WEATHER MONTH 100-2300
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.4								3.5	6.2
NNE		.6	.3	.1								1.0	7.6
NE	.8	.3	.4									1.6	4.4
ENE	.7	.3	.1									1.1	3.4
E	.6	2.6	.4	.1								3.7	5.6
ESE	1.7	3.1	.4	.1								5.3	4.5
SE	.6	3.5	2.7	.1								7.8	.6
SSE	3.1	8.5	8.7	4.1								24.4	7.3
S	6.8	13.7	12.0	7.8	.1							36.7	7.5
SSW	.6	.3	1.0	.2	.1							2.2	7.0
SW		.3	.1									.4	6.3
WSW	.1	.1		.1								.3	6.0
W		.1	.2									.3	7.7
WNW	.1		.3									.4	6.0
NW			.1	.1	.1							.3	13.3
NNW	.4	.4	.1									1.0	3.9
VARBL													
CALM												9.8	
	17.4	31.2	28.1	13.3	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-71,73-80 YEARS JUN MONTH
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	.2	1.2	.8	.5								3.4	6.4
NNE	.5	.8	.9									2.5	6.4
NE	.6	.8	.7	.7								2.3	6.4
ENE	.5	.2	.6	.1								2.0	5.7
E	.5	1.4	.8	.1								3.1	5.3
ESE	.7	1.4	.7	.2								3.0	5.5
SE	.7	2.2	1.0	.5	.7							5.5	6.3
SSE	1.5	4.4	6.3	3.3	.1		.9	.0				15.8	8.0
S	3.6	7.2	14.5	11.3	.9	.1						37.6	9.0
SSW	.7	2.2	3.3	2.6	.2	.0						9.1	8.8
SW	.3	.7	1.1	.6	.0							2.7	8.1
WSW	.2	.5	.4	.2								1.3	6.6
W	.2	.3	.3	.1								.8	6.1
WNW	.2	.2	.2	.1	.7							.7	6.2
NW	.2	.3	.3	.1	.7							.9	6.9
NNW	.4	.7	.3	.7								1.4	5.0
VARBL													
CALM												7.7	
	12.5	25.1	33.2	27.1	1.3	.2	.0	.0				122.1	7.3

TOTAL NUMBER OF OBSERVATIONS 7197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-73-80 YEARS JUL MONTH 1989-1990 HOURS (L.S.T.)

CLASS ALL WEATHER

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	.5	.4	.1									1.1	3.7
NNE	.7	.2	.1									.5	5.4
NE		.2	.1									.3	6.0
ENE	.3	.1	.1									.5	4.6
E	.4	.9	.1									1.4	4.4
ESE	1.3	.8	.3									2.4	4.5
SE	.5	1.3	.2	.1								2.2	4.8
SSE	3.7	3.1	2.3	.2								8.6	5.2
S	8.6	18.0	20.7	4.1	.1							51.6	6.6
SSW	1.5	7.2	5.4	.8								14.9	6.2
SW	.4	1.4	.6									2.5	5.2
WSW	.3	.4	.4									1.2	5.2
W	.2		.1									.3	4.0
WNW	.2			.1								.3	5.7
NW		.3	.1									.4	5.3
NNW	.9	.2										1.0	2.9
VARBL													
CALM												1.8	
	6.4	34.6	30.7	5.3	.1							110.7	5.4

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-73, 73-80 YEARS JUL MONTH
CLASS ALL WEATHER HOURS (L.T. ..) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2										1.0	2.7
NNE	.4	.4	.3									1.2	4.7
NE													
ENE	.3	.3										.6	3.5
E	.5		.1									.6	3.2
ESE	.3	.6										1.0	3.9
SE	.4	1.0	.5									1.9	4.8
SSE	1.8	2.5	.4									4.7	4.0
S	2.4	1.4	1.4	.5								3.8	5.3
SSW	4.1	12.5	6.6	.2								23.4	5.5
SW	1.9	2.7	1.6	.2								6.5	5.1
WSW	.3	.6	1.3	.2								2.5	7.2
W	.1	.1	.4	.1								.8	8.0
WNW	.1	.1		.1								.3	7.3
NW			.1									.1	8.0
NNW	.4	.5										1.1	3.6
VARBL													
CALM												15.6	
	21.0	39.1	22.9	1.4								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 19-2 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 60-71, 73-81 MONTH JUL
CLASS ALL WEATHER
HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.5	.3									.7	4.1
NNE	.8	.5	.2	.1								1.6	4.7
NE	.2	.3	.1									.6	4.7
ENE	.2	.2	.1									.5	4.4
E	.2	.6	.1									.3	4.4
ESE	.5	.8										1.3	3.8
SE	.0	1.2	.8									2.0	4.8
SSE	2.4	1.6	.8	.2								4.9	4.4
S	6.5	13.7	7.8	1.8	.1							29.9	5.7
SSW	4.1	8.1	9.2	2.4	.1							22.8	6.6
SW	1.3	2.8	2.9	1.2								8.2	6.8
WSW	.9	3.7	2.3	.3								6.5	6.4
W	.3	.8	.9	.3								2.3	7.0
WNW	.2	.4	.2									.9	5.3
NW	.2	.1										.3	2.7
NNW	.9	.4	.2									1.5	3.6
VARBL													
CALM												13.2	
	3	35.1	24.8	6.3	.2							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 2 ROBERT GRAY AFB TX (FORT HOOD) STATION NAME 62-7173-81 YEARS JUL MONTH
ALL WEATHER CLASS 9.0-11.00 HOURS [L.S.T.]
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	.5									2.4	4.6
NNE	.5	.5	.2	.1								1.4	4.7
NE	.4	1.1										1.4	4.2
ENE	.2	.5	.1									1.5	3.7
E	.2	1.0	.2									3.3	4.0
ESE	.1	1.3	.3									2.6	4.3
SE	.2	2.1	1.3									4.1	5.4
SSE	.2	3.5	1.8	1.1								6.7	7.2
S	1.5	5.7	10.6	5.2	.2							23.2	8.4
SSW	.5	5.7	1.8	5.8								22.8	8.8
SW	1.1	4.2	4.8	2.7								12.8	7.4
WSW	1.2	3.4	2.7	.1								7.5	6.0
W	.2	1.6	1.3	.1								4.2	5.7
WNW	.1	.6	.5									1.5	5.4
NW	.4	.3	.4									1.2	5.6
NNW	.5	.2	.4	.1								1.3	5.4
VARBL													
CALM												2.2	
	12.7	34.3	36.1	14.5	.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1972 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-71, 73-80 YEARS JUL
MONTH
1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.1	.8	.1	.1							2.4	6.7
NNE	.3	.2	.4	.3								1.9	6.6
NE	.4	1.7	.4									2.6	5.4
ENE	.6	1.1	.5									2.3	4.7
E	.9	2.3	.5									4.7	4.1
ESE	.9	2.7	2.2	.1	.1							5.9	6.2
SE	1.7	3.0	2.8	.3								7.8	5.9
SSE	2.4	5.9	8.4	.8								17.4	6.6
S	1.8	7.1	13.8	6.8	.1							29.6	8.5
SSW	1.0	2.8	6.5	2.4								12.6	8.1
SW	.2	1.8	1.9	.8								4.7	7.4
WSW	.3	1.1	.9	.1								2.4	6.0
W	.4	.1	.8									1.3	5.8
WNW	.3	.3	.1	.1								.9	6.3
NW	.1	.8	.1	.1								1.1	5.5
NNW	.2	.2	.3									.8	5.7
VARBL													
CALM												1.7	
	13.1	32.8	41.3	11.8	.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 03002 STATION NAME ROBERT GRAY AAF (FORT HOOD) YEARS 69-70, 73-8 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.6	.4	.1								1.4	6.3
NNE	.2	.4	.9	.4								1.9	7.6
NE	.4	.5	1.0	.3								2.3	6.6
ENE	1.1	1.5	.8	.3								3.7	5.6
E	1.3	1.6	1.8	.2								4.9	5.9
ESE	1.7	3.4	2.8	.4		.1						7.7	6.4
SE	1.4	3.8	6.3	1.1								12.6	7.1
SSE	.9	6.1	10.8	4.4	.1							22.3	8.2
S	.8	6.8	13.5	7.4	.1							28.6	8.9
SSW	.3	2.7	3.4	1.6								8.1	7.9
SW	.4	.5	1.2	.1								2.3	6.5
WSW	.3	.4	.3	.1								1.2	6.1
W	.3	.3	.2									.9	4.8
WNW	.1	.1										.2	3.5
NW		.1	.1									.2	6.0
NNW	.1	.3	.1									.5	5.6
VARBL													
CALM												1.3	
	8.8	29.4	43.7	16.6	.2	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7900 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-77.73-87 YEARS JUL MONTH
CLASS ALL WEATHER 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.1									.8	4.7
NNE	.1	.4	.3	.1								1.0	6.6
NE	.2	.5	.2									1.0	5.6
ENE	.3	1.1	.6	.1	.1							2.3	6.8
E	.2	2.6	1.0	.2								4.9	5.1
ESE	1.5	4.2	1.8	.2								7.7	5.4
SE	3.7	7.7	5.4	.8								16.9	6.0
SSE	3.5	11.9	14.5	3.8	.2							32.9	7.2
S	1.4	8.0	10.6	3.3								23.3	7.6
SSW	.3	1.0	1.5	.3								3.1	7.1
SW	.3	.1	.4	.1								1.0	6.3
WSW	.1	.8	.4									1.0	6.0
W	.2	.2	.1	.1								.6	6.2
WNW		.1										.1	6.0
NW	.1		.1	.1								.3	8.3
NNW		.1	.1	.1								.3	8.3
VARBL													
CALM												2.5	
	12.6	38.1	37.3	9.2	.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 6072 ROBERT GRAY AAF TX (FORT HOOD) 60-70, 73-80 JUL
STATION NAME YEARS MONTH
CLASS ALL WEATHER 2100-2300
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.2									.9	4.4
NNE	.2	.2	.1									.5	4.6
NE	.2	.3	.3		.1							1.0	6.9
ENE	.1	.4	.1									.6	4.7
E	1.2	1.1	.2									2.5	3.9
ESE	1.4	1.7	.2	.1								3.4	3.8
SE	3.2	5.4	2.4	.2	.2							11.4	5.2
SSE	5.4	12.3	8.4	.9								26.9	5.7
S	7.8	13.0	11.3	2.6								34.7	6.1
SSW	1.3	3.1	.3									4.7	4.5
SW	.3		.1									.4	4.3
WSW	.2	.1										.3	2.7
W	.1	.1	.1	.1								.4	8.0
WNW		.5		.1								.4	7.8
NW	.3	.1										.4	3.0
NNW		.1		.1								.2	8.0
VARBL													
CALM												11.1	
	22.3	38.5	23.8	4.1	.3							120.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1977
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 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	.5	.6	.3	.0	.0							1.4	4.9
NNE	.3	.5	.3	.1								1.3	5.8
NE	.2	.6	.3	.0	.0							1.1	5.7
ENE	.5	.7	.3	.1	.0							1.5	5.2
E	1.0	1.4	.5	.1								2.9	4.7
ESE	1.0	1.9	1.0	.1	.0	.6						4.0	5.3
SE	1.5	3.2	2.5	.3	.0							7.5	5.9
SSE	2.4	5.7	5.9	1.4	.0							15.6	6.6
S	4.7	11.2	12.5	4.0	.1							32.4	7.0
SSW	1.6	5.4	5.3	1.7	.0							14.0	6.9
SW	.8	1.8	1.7	.6								4.8	6.6
WSW	.5	1.2	1.0	.1								2.9	6.2
W	.4	.4	.5	.1								1.3	6.1
WNW	.2	.3	.1	.1								.6	5.8
NW	.1	.2	.1	.0								.5	5.3
NNW	.4	.3	.1	.0								.8	4.6
VARBL													
CALM												7.3	
	16.1	35.2	32.5	8.7	.2	.0						120.0	6.7

TOTAL NUMBER OF OBSERVATIONS

7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1972
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-73.73-8J
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.1	.3	.1								1.3	5.6
NNE	.3	.2										.5	3.4
NE	.3		.1									.4	3.8
ENE	.4											.4	1.8
E	2.4	.4	.4									3.2	3.3
ESE	1.5	.9	.3									2.7	3.7
SE	1.3	1.3	1.1	.1								3.8	5.5
SSE	4.2	5.6	1.9	.2								11.9	4.5
S	9.5	17.6	13.5	4.7								45.4	6.3
SSW	2.2	4.7	2.9	.9	.1							10.6	6.0
SW	.8	1.3	.4	.2								2.7	5.4
WSW		.3	.3									.6	6.3
W		.1	.1									.2	6.5
WNW		.1										.1	4.0
NW	.4	.2	.1									.8	3.6
NNW	.5	.8	.2									1.5	4.2
VARBL													
CALM												13.7	
	24.5	33.7	21.8	6.2	.1							120.0	4.8

TOTAL NUMBER OF OBSERVATIONS

931

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1972 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70, 73-80 YEARS
ALL WEATHER CLASS
CONDITION
AUG MONTH
0300-0500 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	.0	.3	.1	.1								2.5	3.1
NNE	.2	.3										.5	3.6
NE	.3	.1										.4	2.3
ENE	.6											.6	1.8
E	.9	.4	.1									1.3	3.7
ESE	.9	.9	.2									1.9	4.0
SE	1.5	.9	.5									2.9	4.1
SSE	3.9	3.2	.8									7.8	3.8
S	7.2	15.1	8.6	1.0								34.8	5.2
SSW	4.3	6.9	5.4	1.3	.1							18.0	5.8
SW	1.5	2.4	1.1									4.9	5.2
WSW	.3	1.7	1.0									2.3	5.7
W	.1	.4	.1	.1								.8	5.7
WNW		.1										.1	6.0
NW	.0	.1	.1	.1								1.2	3.6
NNW	.9	1.7	.1									2.7	4.1
VARB													
CALM												17.2	
	28.3	33.8	18.1	2.6	.1							170.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

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

29 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70, 73-80 YEARS AUG MONTH
ALL WEATHER CLASS
CONDITION

1600-0800
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	.7	1.9	.8									4.4	4.4
NNE	.9	.5	.4									1.9	4.4
NE	.5	.2	.2									1.0	4.2
ENE	.4	.3	.1									.9	3.9
E	.7	.9										2.6	3.2
ESE	.8	1.1	.1									1.8	4.0
SE	.9	1.1	.3									2.0	4.9
SSE	2.9	3.2	.9	.2								7.2	4.4
S	9.6	12.7	7.4	1.1								30.8	5.3
SSW	4.1	4.8	5.3	1.5	.1							15.8	6.1
SW	.5	2.6	2.6	.4								6.1	6.5
WSW	.6	1.2	.9	.1								2.8	5.9
W	.4	.6	.4	.2								1.7	5.8
WNW	.5	.1	.1									.8	3.7
NW	.8	.4										1.2	2.6
NNW	.1	1.2	.3									2.6	4.2
VARBL													
CALM												16.5	
	27.3	32.8	19.8	3.5	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 922 STATION NAME ROBERT GRAY AAF TX (FORT HOWARD) YEARS 69-70, 73-80 MONTH AUG
CLASS ALL WEATHER HOURS (L.S.T.) 1900-1100

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.5	.4								2.7	6.2
NNE	.5	1.6	1.3									3.4	5.8
NE	.7	1.1	1.1	.2								2.6	6.2
ENE	.8	.4	.6									1.8	4.9
E	.8	2.2	.4	.1								4.5	4.3
ESE	.8	2.7	.6									4.1	5.1
SE	1.3	1.2	.9	.2								3.5	5.3
SSE	2.0	2.5	2.9	.2								7.6	5.7
S	2.8	7.5	10.6	6.1								27.1	8.0
SSW	1.7	4.1	8.2	5.1								18.3	6.8
SW	.8	3.7	3.2	1.3								8.9	7.1
WSW	.4	1.9	1.7	.3								4.4	6.6
W	.7	1.4	1.1	.1								3.5	5.5
WNW	.1	1.1	.3									1.5	5.4
NW	.5	.3	.2	.1								1.2	4.8
NNW	.1	1.7	.2									1.3	5.2
VARBL													
CALM												3.4	
	14.9	33.4	34.1	14.2								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1972
STATION

ROBERT GRAY AAF TX (FORT HOOB)
STATION NAME

67-70, 73-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.9	.2								2.5	6.2
NNE	.4	.3	.9	.2								1.8	6.8
NE	.5	1.9	1.2	.2								3.9	6.2
ENE	.1	1.6	1.2									3.9	5.3
E	2.7	4.1	2.9	.6								10.3	5.6
ESE	1.2	2.6	1.7									5.5	5.5
SE	2.2	4.1	2.8	.4	.1							9.6	5.6
SSE	1.7	6.8	5.7	1.8	.1							15.4	6.9
S	1.5	7.1	17.6	5.9	.4							25.6	8.3
SSW	.8	2.8	5.6	2.3								11.4	8.3
SW	.2	1.1	1.3	.1								2.7	6.7
WSW	.4		.6									1.1	6.1
W	.6	.9	.1									1.6	3.8
WNW	.1		.1	.3								.5	2.6
NW		.2	.1	.2								.5	7.8
NNW	.3	.3	.3	.1								1.1	5.6
VARBL													
CALM												2.7	
	13.4	34.7	36.0	12.5	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

67-70, 73-87
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	1.3	.1								2.6	6.5
NNE	.1	.5	.8	.2								1.7	7.8
NE	.1	.6	1.2	.3								2.4	8.4
ENE	.2	1.6	1.9	.8								5.2	7.0
E	1.4	4.3	4.2	1.0								10.9	6.7
ESE	.8	4.3	4.5	.6								11.3	6.3
SE	1.2	5.8	4.6	.6								12.3	6.4
SSE	.2	4.6	7.8	2.6	.1							16.1	8.1
S	.9	5.7	12.8	5.2								24.4	8.5
SSW	.8	1.4	2.7	1.2								6.0	7.8
SW	.1	.6	.5	.3								1.6	7.2
WSW		.1	.2	.1								.4	8.0
W	.1	.5	.1		.1							.9	6.9
WNW	.2	.2	.2									.6	5.0
NW		.3	.1	.1								.5	7.8
NNW	.2	.4	.1	.2								1.0	6.4
VARBL													
CALM												2.2	
	9.0	32.2	43.1	13.3	.2							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

29-2
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2400
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	.5	1.1	.3									1.9	4.9
NNE	.6	.4	.4	.3								1.8	5.9
NE	.4	.9	.3	.2								1.8	5.6
ENE	.9	1.5	.9	.2								3.5	5.8
E	3.2	5.2	1.8	.5		.1						10.9	5.2
ESE	2.9	8.1	3.1	.6								14.7	5.5
SE	2.4	6.3	5.8	.3								14.8	6.0
SSE	3.6	7.2	8.8	1.8								21.5	6.5
S	2.4	5.4	6.1	4.3								18.2	7.6
SSW	.5	1.3	.8	.3								2.9	6.0
SW	.2	.1	.2									.5	4.8
WSW	.2		.3	.1								.6	6.8
W	.1	.3										.4	3.8
WNW	.1											.1	2.0
NW	.1	.4	.1									.6	5.5
NNW	.3	.4	.1									.9	4.0
VARBL													
CALM												4.7	
	18.6	38.5	20.2	8.8		.1						120.0	5.9

TOTAL NUMBER OF OBSERVATIONS

927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1212 STATION NAME ROBERT GRAY AAF TX (PORT HODG) YEARS 09-71, 73-80 MONTH AUG
ALL WEATHER
CONDITION

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

SPEED (KNT.) DIR.	1-3	4-6	7-10	11-13	14-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.5	.4										2.2	4.1
NNE	.1												.9	2.1
NE	.1	.2											1.2	2.6
ENE	.1	.5		.1									1.7	3.5
E	1.4	1.7	.4										3.6	4.2
ESE	2.2	4.7	1.1	.2									8.2	4.6
SE	2.2	5.3	2.9	.3									10.7	5.6
SSE	5.0	7.3	7.4	.4									23.2	5.5
S	3.9	9.3	8.5	2.6									30.3	5.7
SSW	1.2	1.6	.4										3.2	4.4
SW	.3	.5	.3										1.2	5.4
WSW	.1	.1											.2	3.5
W	.1	.2	.2	.1									.6	7.1
WNW		.1	.2										.3	6.3
NW	.1	.1											.2	3.5
NNW	.7	.1											.4	2.8
VARBL														
CALM													11.9	
	27.7	34.6	22.0	3.8									100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7202 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 69-70, 73-80 MONTH AUG
CLASS ALL WEATHER
CONDITION ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.6	.1								2.5	5.7
NNE	.5	.5	.5	.1								1.6	5.6
NE	.4	.6	.5	.1								1.7	5.9
ENE	.8	.8	.6	.1								2.2	5.4
E	.9	2.4	1.3	.3		.0						5.9	5.2
ESE	1.5	3.1	1.5	.2								6.3	5.3
SE	.6	3.2	2.4	.3	.0							7.4	5.8
SSE	3.1	5.3	4.5	.9	.0							13.8	6.0
S	5.8	11.0	9.8	3.9	.1							29.6	6.7
SSW	1.8	3.5	3.9	1.6	.0							10.8	6.9
SW	.6	1.5	1.2	.3								3.6	6.4
WSW	.3	.6	.6	.1								1.6	6.2
W	.3	.6	.3	.1	.0							1.2	5.4
WNW	.1	.2	.1	.0								.5	5.5
NW	.3	.3	.1	.1								.8	4.6
NNW	.5	.7	.2	.0								1.4	4.5
VARBL													
CALM												9.0	
	20.5	34.2	28.0	8.1	.1	.0						110.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-2300
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	1.7	3.7	2.3	.6								7.6	6.2
NNE	1.7	.9	.9	.6								3.3	6.2
NE	.6	.4	.6									1.6	5.4
ENE	.8	.4										1.2	3.2
E	.9	1.1	.1	.1								3.1	3.5
ESE	1.3	1.3	.4									3.1	4.2
SE	1.6	2.3	.8									4.7	4.7
SSE	2.4	4.8	2.7	.3								10.2	5.5
S	6.7	7.2	9.2	3.7								26.8	6.5
SSW	1.1	1.2	.7	.6								3.4	6.2
SW	.6	.8	.9	.8								3.0	7.4
WSW	.3	.1	.2									.7	5.2
W		.1	.1									.2	7.0
WNW	.3	.3	.1	.1								.9	5.6
NW	.7	.6	.1									1.3	3.7
NNW	3.9	2.1	.3	.2								6.4	3.8
VARBL													
CALM												22.4	
	24.0	27.2	19.4	6.9								170.0	4.4

TOTAL NUMBER OF OBSERVATIONS 977

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 39 2 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 68-70, 73-79 SEP
MONTH
300-0500
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.8	2.9	1.3	.1							9.4	6.4
NNE	.1	1.4	.3		.1							3.0	5.0
NE		.3	.3									.7	7.0
ENE	.7	.3	.1									1.1	3.6
E	1.1	.4										1.6	2.0
ESE	.7	.6	.1	.1								1.4	4.0
SE	1.3	.8	.2									2.3	3.5
SSE	1.1	3.4	2.0									6.4	5.5
S	5.4	9.3	7.3	.7								22.0	5.6
SSW	1.6	1.9	1.7	1.1								6.2	6.6
SW	.8	1.6	1.3	.4								4.1	6.5
WSW	.4	.7	.3									1.4	4.8
W	.1	.6	.1									.8	5.1
WNW	.2	.3										.6	3.4
NW	1.4	.6	.3	.1								2.4	4.2
NNW	3.6	3.8	1.0	.3								8.7	4.2
VARBL													
CALM												27.0	
	21.8	28.8	18.1	4.1	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GR. AAF TX (FORT HOOD) YEARS 62-73, 73-79 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 2600-0800

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	5.4	4.1	3.7	1.9								13.1	6.3
NNE	1.3	1.6	1.0	.2								4.1	5.4
NE	.4	.6	1.0									2.0	5.6
ENE	1.1	.6	.1									1.8	3.6
E	1.1	.4	.2									1.8	3.6
ESE	.4	1.1										1.6	4.0
SE	.9	1.1	.1	.1								2.2	4.3
SSE	1.8	4.1	1.4									7.3	4.8
S	3.7	7.9	6.6	1.2								19.3	5.9
SSW	1.2	1.8	2.6	.8								6.3	7.1
SW	.7	.8	.7	.4								2.6	6.4
WSW	.1	.0	.4	.1								1.6	6.2
W	.2	.7	.7									1.6	5.9
WNW	.4	.6	.1									1.1	4.3
NW	1.2	.8	.2									2.2	3.6
NNW	3.1	4.7	1.1	.1								8.3	4.3
VARBL													
CALM												23.1	
	21.2	30.9	19.9	4.9								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 272 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 68-70, 73-79 MONTH SEP
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	2.7	2.4	4.4	2.7	.1							1.0	7.6
NNE	.8	2.2	2.1	1.6	.1							6.8	7.8
NE	.3	2.4	2.9	.4								6.1	6.9
ENE	1.7	1.9	.9	.4								4.1	5.6
E	1.3	3.6	1.7		.2							6.8	5.6
ESE	.9	2.4	.6									3.9	5.0
SE	.9	1.4	1.0									3.3	5.3
SSE	1.4	2.3	2.0	.2								6.0	5.8
S	1.4	4.3	7.3	5.1	.2							18.4	8.7
SSW	.4	3.3	4.9	3.6	.3							12.6	8.9
SW		.9	1.6	1.3	.1							3.9	9.7
WSW	.7	1.2	.7	.1	.1							2.8	6.4
W	.7	1.1	.2	.2								2.2	5.3
WNW	.6	.4	.6	.2								1.8	5.7
NW	.7	.4	.3	.1								1.6	5.8
NNW	.4	1.2	2.7	.8								4.4	8.0
VARBL													
CALM												4.3	
	13.6	31.7	33.1	16.1	1.2							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

3072
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.3	3.4	2.8								9.3	9.3
NNE	.4	2.1	3.9	1.9								8.3	8.4
NE	.8	2.8	3.0	.9								7.4	6.9
ENE	.8	2.3	2.8	.2								6.1	6.3
E	.2	4.4	2.7	.1	.1							8.6	6.0
ESE	1.2	2.8	1.4		.1							5.6	5.6
SE	.7	3.1	1.3		.1							5.2	5.7
SSE	1.3	2.9	3.7	.9								8.8	6.9
S	1.4	4.6	6.4	4.8	.2							17.4	8.5
SSW	.6	2.1	3.0	3.7								9.3	9.1
SW	.1	.3	.9	1.1	.1							2.6	10.5
WSW	.4	.4	.3	.4								1.7	7.3
W	.3	.4	.3					.1				1.2	8.4
WNW	.2	.2	.3	.2								1.0	7.0
NW	.4	.4	.6	.1	.1							1.7	6.6
NNW	.3	.3	1.6	.7								2.9	8.8
VARBL													
CALM												3.2	
	10.8	31.7	35.7	17.8	.8			.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

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

SURFACE WINDS

3912
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	4.6	2.4	.4	.1						10.6	9.1
NNE	.4	1.2	3.3	1.0	.1							6.8	8.0
NE	.5	2.9	2.6	.7								6.7	6.8
ENE	1.4	3.1	3.6	.3								8.4	6.3
E	.9	4.6	3.1	.4								9.0	6.2
ESE	1.6	3.7	3.0	.4	.1							8.1	6.2
SE	1.4	2.8	2.4	.6								7.2	6.2
SSE	1.2	3.7	6.0	1.9	.1							12.9	7.8
S	1.2	2.7	8.0	4.4								16.1	8.9
SSW	.6	1.0	1.8	2.3	.1							5.8	9.2
SW	.7	.4	.1									1.2	3.7
WSW		.3	.2	.1								.7	8.0
W	.2	.2		.2								.7	6.2
WNW	.1		.1	.1	.1							.4	10.5
NW	.3		.2	.2								.8	7.1
NNW	.4	.3	1.0	.6		.1						2.4	8.5
VARBL													
CALM												2.2	
	12.0	28.8	40.0	15.8	1.0	.2						120.7	7.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 912 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 68-70, 73-79 SEP
MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	2.3	1.1								8.0	6.5
NNE	.7	2.2	2.8	.1								6.1	6.4
NE	.6	2.1	1.1	.1								3.9	5.7
ENE	2.3	1.6	1.4	.4								5.8	5.1
E	4.1	6.7	1.9									12.0	4.3
ESE	1.9	5.7	2.0	.1								9.0	5.2
SE	1.2	3.7	4.0	.6								9.4	6.4
SSE	1.4	4.3	6.8	.8								13.3	6.9
S	2.0	3.2	5.6	1.9		.1						13.9	7.1
SSW	.2	.1	.7	.4								1.4	8.9
SW	.4	.6										1.0	3.7
WSW	.1		.1									.2	4.5
W	.1	.2										.3	4.0
WNW	.1											.1	2.7
NW	.3											.3	2.7
NNW	.3	1.4	.6	.1								2.4	5.6
VARBL													
CALM												12.7	
	9.0	33.1	29.4	5.7		.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1272 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 68-79, 73-79 SEP
MONTH
CLASS ALL WEATHER 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	2.4	2.6	2.4	.7								8.1	5.8
NNE	.7	1.6	1.1	.3								3.7	6.2
NE	.6	.9	.6									2.0	5.0
ENE	1.1	.8	.2									2.0	3.8
E	2.3	3.3	.2									5.9	4.0
ESE	2.3	1.7	.3									4.3	3.5
SE	1.7	4.0	3.2	.2								9.1	5.8
SSE	2.6	6.3	3.8	.7								13.3	5.8
S	4.9	5.9	7.3	2.8								20.9	6.6
SSW	.3	1.2	.2	1.3								3.1	8.1
SW	.2	.3	.1									.7	4.3
WSW	.1	.1	.2									.4	6.3
W	.2	.2										.4	3.0
WNW	.3											.3	2.0
NW	.3	.6		.1								1.0	4.4
NNW	1.3	1.9	.1	.2								3.6	4.5
VARBL													
CALM												21.1	
	21.3	31.3	19.9	6.3								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

79.2
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

66-70, 73-79
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.8	3.3	1.6	.1	.1						9.6	7.1
NNE	.8	1.7	1.9	.7	.1							5.3	7.1
NE	.5	1.6	1.5	.3								3.8	6.5
ENE	1.1	1.4	1.1	.2								3.8	5.4
E	1.7	3.7	1.2	.1	.1							6.1	5.0
ESE	1.3	2.2	1.1	.1	.1							4.6	5.1
SE	1.2	2.4	1.6	.2	.1							5.4	5.6
SSE	1.7	4.7	3.5	.6	.1							9.8	6.3
S	3.4	5.6	7.2	3.1	.1	.1						19.5	7.1
SSW	.7	1.6	1.9	1.7	.1							6.9	8.2
SW	.4	.7	.7	.5	.1							2.4	7.4
WSW	.3	.5	.3	.1	.1							1.2	6.2
W	.2	.4	.2	.1	.1			.1				.9	5.8
WNW	.3	.2	.2	.1	.1							.8	5.5
NW	.7	.4	.2	.1	.1							1.4	4.8
NNW	1.7	1.9	1.3	.4		.1						4.9	5.3
VARBL													
CALM												14.5	
	18.0	30.4	26.9	2.7	.4	.1		.1				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

74-2
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

OCT
MONTH

ALL WEATHER
CLASS

000-0200
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	3.9	3.1	.4								8.4	6.3
NNE		1.3	1.4	.1	.2							3.0	8.1
NE	.1	.6	1.7	.1								1.8	7.4
ENE		.4										.4	5.5
E	.4	.5	.1									1.1	4.3
ESE	.3	1.7	.4	.1								1.8	5.6
SE	.8	.5	.8	.2								2.4	5.8
SSE	1.5	2.6	3.3	1.5	.3							9.4	7.6
S	8.2	15.3	9.0	4.8	.1							37.4	6.3
SSW	1.1	2.3	2.0	.5								5.9	6.3
SW	.5	.8	.4									1.7	4.9
WSW		.3	.3	.1								.8	8.3
W	.1	.2	.3									.6	6.8
WNW	.5	.2	.6	.2								1.7	6.6
NW	1.7	.6	.3	.1								2.0	4.2
NNW	1.8	2.8	1.1	.9	.1							6.7	5.9
VARBL													
CALM												14.8	
	17.5	33.3	24.3	9.1	.8							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

13-2
STATION

ROBERT GRAY AAF TX (FORT HODD)
STATION NAME

68-70, 73-79
YEARS

OCT
MONTH

ALL WEATHER
CLASS

300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	4.2	2.6	1.1	.1							9.6	6.3
NNE	.5	.2	1.1	.4								2.3	7.8
NE	.3	.5	.4	.5								1.8	7.5
ENE	.4	.3	.3									.9	5.3
E	.3	.6	.2									1.2	4.5
ESE	.3	1.2	.1									1.6	4.8
SE	.9	1.4	.2	.1								2.6	4.9
SSE	2.3	3.2	2.3	.9	.1							8.7	6.0
S	5.8	9.9	8.7	3.1								27.5	6.4
SSW	1.6	3.1	2.7	.9								8.2	6.2
SW		1.8	1.1	.2								3.1	6.6
WSW		.3	1.6									1.9	8.2
W	.2	.6	.2	.1								1.2	5.8
WNW	.3	.6	.1	.4								1.5	7.0
NW	.7	.6	.2	.5								2.4	5.9
NNW	1.8	3.2	1.4	.8	.1							7.3	5.8
VARBL													
CALM												18.3	
	17.4	31.7	23.2	9.0	.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7900
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

OCT
MONTH

ALL WEATHER
CLASS

600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	4.0	2.6	2.0	.1							11.1	6.7
NNE	1.0	.9	1.1	.1								3.9	5.6
NE	.1	.2	.5	.3								1.2	8.7
ENE	.1	.3	.1	.1								.6	5.8
E	.6	.8	.6	.1								2.2	5.2
ESE	.9	.8	.1									1.7	4.0
SE	1.1	1.5	1.2	.2								4.0	5.6
SSE	2.4	4.8	2.5	1.1	.1							10.9	6.0
S	4.4	8.8	4.9	1.9	.5							20.6	6.3
SSW	1.0	2.2	1.5	.5								5.4	6.6
SW	.3	.6	1.3		.1							2.4	7.1
WSW	.2	.5	.9	.8								2.5	7.9
W	.2	.4	.8	.6								2.0	8.3
WNW	.1	.4	.3	.4								1.3	8.1
NW	.5	1.1	1.1	.1								2.9	5.9
NNW	2.3	4.1	1.7	1.0								9.0	5.8
VARBL													
CALM												19.2	
	7.6	31.5	21.2	9.6	.9							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 68-72,73-79 YEARS OCT
MONTH 929-1100
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	.2	2.7	3.3	3.1	.4							10.3	9.0
NNE	.2	1.6	2.2	.8								4.8	7.3
NE	.4	1.3	1.5	.6								3.9	7.5
ENE	.2	1.1	1.2	.4								3.0	6.6
E	.6	1.6	.6									2.9	5.1
ESE	.5	1.1	1.3									2.9	5.7
SE	.5	1.6	1.2	.2								3.5	5.9
SSE	.7	2.4	4.1	1.7								9.1	7.8
S	.7	4.6	8.5	8.7	.8	.1						23.7	9.4
SSW	.5	1.9	3.5	3.7	.3							9.4	9.5
SW	.2	1.3	1.3	1.3	.3							4.4	9.0
WSW	.3	1.7	1.7	.4								3.4	6.8
W	.4	1.1	1.7	.5								3.0	7.3
WNW	.9	1.5	.9	.4		.1						3.7	7.0
NW	.2	.4	1.3	.9								2.8	9.1
NNW	.2	1.7	1.8	1.9	.1							5.7	8.8
VARBL													
CALM												3.4	
	2.6	26.9	34.6	23.3	1.9	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1512 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 63-70, 73-79 OCT
MONTH
ALL WEATHER CLASS 1200-1400
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.7	4.2	3.2	.2							11.4	8.8
NNE	.5	1.6	1.7	1.0								4.8	7.6
NE	.5	1.6	2.4	.1								4.6	6.8
ENE	.2	1.1	.6	.1								2.0	5.1
E	1.4	1.8	.6	.1								4.0	4.8
ESE	.2	2.7	.9	.1								3.8	5.4
SE	.2	1.5	1.0	.4								3.1	5.8
SSE	.6	2.5	4.3	2.4	.1							9.9	8.5
S	.9	4.2	0.1	10.3	.2	.2						25.8	9.8
SSW	.6	1.2	4.7	2.5	.2							8.5	9.4
SW	.5	.8	1.5	.5	.1	.1						3.5	8.0
WSW	.5	.8	.4									1.7	5.6
W	.8	1.4	.8	.3								3.2	5.9
WNW	.3	.5	.3	.2	.1	.2						1.7	9.4
NW	.2	1.1	.9	.5	.1							2.3	8.0
NNW	.4	1.3	1.5	3.1								6.3	9.7
VARBL													
CALM												2.7	
	10.6	26.0	34.1	24.9	1.1	.5						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 60-70.73-79 YEARS OCT
MONTH 1500-1700
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	.9	2.4	5.1	3.1								11.4	8.6
NNE	.9	2.4	2.7	1.2								6.7	7.7
NE	.9	1.9	1.4	.4								4.7	6.4
ENE	.4	1.9	.8									3.1	5.6
E	1.3	.4	.5									5.8	4.6
ESE	1.3	1.7	.6	.1								3.4	5.0
SE	.9	3.2	1.9	.9								6.9	6.4
SSE	1.1	2.9	6.2	3.9								14.1	8.7
S	.9	.4	8.7	8.9	.6							23.1	9.8
SSW	.6	1.5	2.3	1.0								5.4	7.6
SW	.3	1.1	.8	.2								2.3	6.1
WSW	.4	.4	.2	.1								1.2	4.7
W		.4	.2	.2	.2	.2						1.3	12.2
WNW	.1	.5	.2									.9	6.0
NW	.1	.5	.3	.1								1.1	6.7
NNW	.4	.3	2.7	1.4	.1							4.9	9.4
VARBL													
CALM												3.8	
	10.1	29.8	34.6	21.5	1.0	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1972
STATION

ROBERT GRAY AAF TX (FORT HOOD)

STATION NAME

68-70, 73-79

YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2400
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	1.2	4.7	4.7	2.7	.1							11.3	7.5
NNE	.9	1.4	1.2	.5								4.0	6.5
NE	.9	.8	.6									2.3	4.8
ENE	.9	.9	.3									1.9	4.4
E	2.4	3.3	.3									6.9	4.0
ESE	1.7	4.6	.3									6.7	4.4
SE	1.6	4.5	1.8	.8								8.7	5.9
SSE	2.5	6.5	5.7	2.2								16.8	6.6
S	5.6	7.3	4.2	.9	.1							18.1	5.2
SSW	.8	.5	.2									1.5	3.9
SW			.1									.2	6.0
WSW	.1		.2									.3	6.7
W	.3	.3	.1	.2								1.0	6.1
WNW		.3	.4	.3	.1							1.2	10.5
NW	.3	.1		.1								.5	4.4
NNW	.9	1.3	.6	.4								3.2	6.1
VARBL													
CALM												16.3	
	19.8	35.9	20.2	7.4	.3							110.9	4.9

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 912 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 68-70, 73-79 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	.2	2.8	3.7	.6	.2							7.8	7.2
NNE	.5	1.6	2.7	.2								4.4	6.7
NE	.2	.2	.5	.4								1.4	8.3
ENE	.4	.3	.1	.1								1.0	4.6
E	.9	1.3	.3	.1								2.6	4.7
ESE	.9	1.6	.6									3.1	4.8
SE	1.3	1.8	2.7	.1								5.3	5.7
SSE	3.2	4.1	4.7	2.5	.2							14.0	7.0
S	1.4	11.4	4.5	4.1	.2							30.6	5.7
SSW	.6	2.2	.6									3.4	5.1
SW		.2	.3	.1								.6	8.5
WSW			.4									.4	8.8
W	.1	.2	.4	.1	.1							1.0	8.0
WNW	.5	.3	.4	.4								1.7	6.6
NW	.2	.5	.3									1.6	4.6
NNW	.9	2.2	1.3	.8								5.1	6.5
VARBL													
CALM												15.9	
	21.2	30.8	21.1	9.6	.8							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

797
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-79
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	3.5	2.0	.1							10.2	7.6
NNE	.6	1.3	1.7	.5	.0							4.1	7.2
NE	.4	.9	1.0	.3								2.7	6.9
ENE	.3	.8	.4	.1								1.6	5.6
E	1.1	1.7	.4	.0								3.2	4.6
ESE	.8	1.7	.6	.0								3.1	4.9
SE	.0	2.1	1.3	.4								4.6	5.9
SSE	1.8	3.6	4.0	2.0	.1							11.6	7.3
S	4.9	8.2	7.2	5.3	.3	.0						25.9	7.3
SSW	.9	1.8	2.1	1.1	.1							6.0	7.5
SW	.2	.8	.2	.3	.1	.0						2.3	7.4
WSW	.2	.5	.6	.2								1.5	7.0
W	.3	.6	.5	.3	.7	.0						1.7	7.4
WNW	.3	.6	.4	.3	.7	.0						1.7	7.5
NW	.5	.6	.6	.3	.0							2.0	6.5
NNW	.2	2.1	1.5	1.3	.1							6.0	7.1
VARBL													
CALM												11.8	
	15.6	30.6	26.7	14.3	.9	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

902
STATION

ROBERT GRAY AAF TX (FORT HOOD)

STATION NAME

68-70,73-79

YEARS

NOV
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	4.3	5.1	3.2	.3							14.1	8.3
NNE	.6	.9	1.1	.9	.3							3.8	8.6
NE		.3	.2									.6	6.0
ENE	.2	.2										.4	4.0
E	.2	.1										.8	2.1
ESE	.1	.3	.1									.6	5.0
SE	.8	.3	.3									1.4	4.1
SSE	1.6	2.4	2.8	1.6	.1							8.4	7.2
S	4.7	11.0	7.2	4.8	.6							27.6	7.1
SSW	.8	1.3	1.9	1.3	.4							5.8	8.7
SW	.2	.9	.6	.3								2.0	6.8
WSW	.2	.3	.6	.1								1.2	6.6
W	.7	.4	.4	.2								1.8	5.7
WNW	.7	.7	.6	.2	.1	.1						2.3	7.2
NW	1.8	2.8	.8	.8	.2							6.3	5.8
NNW	1.4	4.6	2.6	1.0	.1							9.7	6.7
VARBL													
CALM												13.2	
	14.0	31.0	24.2	14.4	2.2	.1						170.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

3922
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.9	4.2	3.1	.6							13.3	8.3
NNE	.9	.9	1.1	.6	.1							3.6	7.2
NE	.1	.3	.1									.6	5.2
ENE	.1	.3										.4	3.8
E	.2	.1										.3	3.0
ESE	.3											.3	2.0
SE	.2	.9	.6	.1								1.8	6.0
SSE	1.8	2.3	1.7	1.0								6.8	6.2
S	3.1	8.9	5.0	3.9	.1							21.0	7.0
SSW	.8	1.7	2.0	2.0	.3							6.8	8.7
SW	.1	1.0	1.2	.2	.2							2.8	8.1
WSW	.3	.3	1.0	.3								2.0	7.6
W	1.3	.8	.6	.2								2.9	5.1
WNW	1.4	.4	.9	.1								2.9	5.3
NW	.9	1.1	1.9	.8	.1							4.7	7.4
NNW	1.9	4.9	2.9	1.6	.3							11.6	6.9
VARBL													
CALM												18.3	
	15.1	27.8	23.1	13.9	1.8							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 68-70, 73-79 YEARS NOV MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 1600-0800

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	2.6	3.4	4.2	3.9								14.1	7.9
NNE	.6	.7	1.1	.3	.1							2.8	7.3
NE	.5	.3	.2									1.1	4.3
ENE	.7	.2										.6	3.4
E	.6	.1	.1									.8	3.9
ESE	.4	.2										.7	2.8
SE	.8	1.2	.3									2.3	4.4
SSE	2.9	2.9	1.7	.8								8.2	5.5
S	3.7	8.9	5.7	2.2	.2							20.0	6.6
SSW	.9	1.3	1.8	1.9	.2							6.1	8.8
SW		.4	.4	.4								1.3	8.6
WSW	.1	.4	.9	.3								1.8	8.0
W	.6	.9	1.6									3.0	6.6
WNW	.1	.1	1.1	.2								3.6	6.0
NW	1.6	1.9	1.2	.7	.2							5.6	6.5
NNW	2.3	3.9	2.2	2.0	.4							11.3	7.0
VARBL													
CALM												16.8	
	18.7	23.0	22.6	12.8	1.2							120.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1972 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 68-70, 73-79 MONTH NOV
CLASS ALL WEATHER HOURS 1900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	4.9	3.9	.7	.2						13.8	9.4
NNE	.7	.8	1.4	1.8		.1						4.8	9.9
NE	.5	1.7	.8	.3								2.7	6.4
ENE	.3	.6	.6	.1								2.3	5.2
E	.9	1.1	.6									2.4	4.8
ESE	.4	.9	.6	.1								1.9	5.6
SE	.2	1.1	1.1	.2								2.6	6.8
SSE	.7	2.8	3.6	.9	.1							8.3	7.4
S	1.4	3.3	5.6	7.1	1.2	.1	.1					18.9	10.2
SSW	.4	1.1	2.7	3.8	.3	.3	.1					8.8	11.3
SW	.2	.7	.9	1.4	.2							3.4	9.9
WSW	.3	.6	1.7	1.0								2.9	8.4
W	.2	1.2	1.9	.9	.1							4.3	8.1
WNW	.6	.9	.7	.9								3.0	7.9
NW	.8	1.1	1.3	.9	.4	.1						4.6	9.2
NNW	.9	1.7	3.9	3.8	1.0	.2						11.4	10.4
VARBL													
CALM												4.6	
	1.7	20.9	31.3	27.1	4.1	1.1	.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION

ROBERT GRAY AAF TX (FORT HOOD)

STATION NAME

68-79, 73-79

YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.7	5.8	4.1	1.7							14.0	10.0
NNE	.8	1.3	1.9	1.1	.2							5.3	8.4
NE	.2	1.2	.9	.3								2.7	7.0
ENE	.7	.6	.8									2.0	5.8
E	.5	1.4	.6									2.8	4.7
ESE	.4	1.1	.4	.1								2.1	5.2
SE	.4	1.7	1.8	.2								3.4	6.9
SSE	.6	1.2	2.9	1.3								6.9	8.5
S	.8	2.6	5.1	6.2	2.8	.8						18.2	11.6
SSW	.4	1.4	4.7	3.9	1.8	.2						12.4	11.3
SW	.1	.8	1.3	.7	.3	.1						3.3	9.6
WSW	.6	.8	1.1	.8	.1							3.3	8.1
W	.7	1.2	1.7	.7	.3							3.9	8.1
WNW	.7	.2	.4	.4	.6	.1						3.0	9.4
NW		1.7	.8	1.8	.4							4.7	9.7
NNW	.4	1.1	2.7	4.4	.6	.1						9.3	11.2
VARBL													
CALM												3.4	
	8.7	20.9	32.1	26.1	8.1	1.3						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

29-2
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

58-70,73-79
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	3.4	5.4	4.7	.3							14.8	9.2
NNE	.5	1.6	2.1	.4	.1							4.8	7.2
NE	.7	1.1	1.2	.2								2.9	6.3
ENE	.6	.9	1.0									2.4	5.8
E	.2	1.3	.6									2.1	5.4
ESE	.7	1.3	.3	.3								2.7	5.6
SE	.8	2.2	2.4	.3								5.6	6.6
SSE	1.2	2.4	3.1	1.1								7.7	7.3
S	.1	3.6	6.7	8.1	2.3	.1						21.9	10.5
SSW	.1	1.8	2.8	1.4	.2							6.3	8.9
SW	.3	.7	.7	.6	.1							2.3	8.0
WSW	.8	1.1	.3	.4								2.7	6.0
W	1.4	1.4	.3	.2	.2	.1						3.8	5.8
WNW	.2	.2	.7	.9	.3	.1						2.4	11.4
NW	.1	.7	1.8	1.1	.2							3.9	9.8
NNW	.6	1.7	3.6	4.0	.6							12.3	10.3
VARBL													
CALM												3.4	
	0.0	25.1	32.8	23.9	4.4	.3						170.0	8.4

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7972
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-79
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.3	4.2	2.0	.2							12.7	7.3
NNE	.7	1.7	1.7	.1								4.1	6.4
NE	.4	.4	.2	.1								1.2	5.0
ENE	.3	.7										1.0	3.7
E	.6	1.6	.2									2.3	4.3
ESE	.4	1.9	.9	.1								3.3	5.6
SE	.7	2.8	1.2	.1								4.8	5.8
SSE	2.4	5.3	3.4	1.0								12.8	6.1
S	6.2	7.9	4.7	1.4								19.6	5.3
SSW	.3	1.2	.9	.3								2.8	6.6
SW		.7	.8									1.4	6.6
WSW		.4										.4	4.5
W	.4	.3	.2									1.0	3.9
WNW	.9	.6		.1								1.6	3.8
NW	.7	2.3	.4	.1								3.6	4.9
NNW	2.2	5.1	2.2	1.3	.6							11.4	6.8
VARBL													
CALM												16.0	
	18.2	37.8	20.4	6.8	.8							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-70, 73-79 YEARS NOV
CLASS ALL WEATHER MONTH 2130-2300
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	4.1	2.8	2.1	.2							11.3	7.3
NNE	.6	1.2	1.6	.4								3.8	7.0
NE	.1	.6	.2									.9	5.1
ENE	.2	.3	.1									.7	4.7
E	.4	.3										.8	3.3
ESE	.2	.4	.1									.8	5.0
SE	.6	.8	1.0	.2								2.6	6.6
SSE	.7	3.1	3.1	1.9								9.8	7.2
S	6.3	10.8	6.3	3.7	.2							28.0	6.6
SSW	.1	1.6	.9	.7								4.2	6.4
SW	.3	.9	.6	.2								2.0	6.7
WSW	.3	.1	.4									.9	5.6
W	.1	.7	.1	.1								1.0	5.6
WNW	.7	.8	.3									1.8	4.4
NW	2.2	2.9	.2	.3	.2							5.9	4.8
NNW	2.4	5.1	2.1	1.9	.2							11.8	6.5
VARBL													
CALM												14.2	
	9.1	33.7	19.9	11.6	1.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 52-70, 73-79 YEARS NOV
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	1.5	3.6	4.6	3.4	.0	.7						13.5	8.5
NNE	.7	1.1	1.5	.7	.1	.7						4.1	7.7
NE	.7	.7	.5	.1								1.6	6.0
ENE	.4	.5	.3	.7								1.2	5.1
E	.5	.7	.2									1.5	4.4
ESE	.4	.9	.3	.1								1.5	5.2
SE	.5	1.2	1.1	.2								3.1	6.1
SSE	1.6	2.9	2.8	1.2	.0							8.5	6.8
S	1.2	7.1	5.7	4.7	1.0	.1	.0					21.9	8.0
SSW	.6	1.4	2.2	1.9	.4	.1	.7					6.7	9.5
SW	.2	.7	.8	.5	.1	.0						2.3	8.3
WSW	.7	.5	.7	.4	.0							1.9	7.3
W	.7	.9	.8	.3	.1	.7						2.7	6.6
WNW	.8	.7	.6	.4	.1	.7						2.6	7.1
NW	.1	1.4	1.1	.8	.2	.7						4.9	7.1
NNW	.1	3.5	2.8	2.5	.5	.7						10.9	8.1
VARBL													
CALM												11.2	
	14.3	18.1	25.8	17.1	3.0	.4	.7					170.7	6.8

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 69-71, 73-79 YEARS
CLASS ALL WEATHER
CONDITION
DEC
MONTH
000-0200
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	3.4	3.4	3.7	.2							12.4	8.3
NNE	.2	.5	.6	.2								1.6	7.4
NE	.2	.6	.1									1.0	4.4
ENE			.1									.1	8.7
E	.1											.1	2.0
ESE	.3	.6			.1							1.2	5.2
SE	.9	.4	.3									1.6	4.3
SSE	1.7	2.2	1.4	.6								5.9	5.6
S	5.1	11.6	7.2	4.7	.4							28.2	7.0
SSW	.1	2.5	3.4	1.8	.2							8.1	8.8
SW	.1	.2	.8	.9								2.6	8.6
WSW		.7	.4	1.2								1.9	10.2
W	.1	.5	.5	.6		.1						1.9	9.4
WNW	.2	.8	1.2	.4	.2	.1						3.6	7.9
NW	.2	2.2	1.2	.5								5.1	6.1
NNW	.2	4.1	2.5	2.0	.3							10.6	7.3
VARBL													
CALM												14.1	
	5.0	29.5	22.8	16.8	1.5	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

912 STATION ROBERT GRAY AAF TX (FORT HOOD) 62-73-79 YEARS DEC MONTH
ALL WEATHER CLASS 300-0610 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.1	4.1	4.1	.6							13.5	8.9
NNE	.5	.5	.1									1.2	4.0
NE	.2	.4	.3									1.0	5.8
ENE		.1	.1									.2	8.0
E	.7	.3										.6	3.3
ESE		.2	.1	.1								.1	7.3
SE	.3	.7	.3	.1								1.6	5.6
SSE	1.8	2.8	1.7	.2								5.8	5.0
S	3.5	8.1	6.7	3.5	.4							21.6	7.1
SSW	.5	1.7	2.9	2.0	.5	.1						7.8	9.7
SW	.3	.3	2.5	.8								3.9	8.6
WSW	.1	.4	.8	1.5								2.8	10.2
W	.3	.6	1.0	1.1	.1							3.1	9.2
WNW	.1	1.2	1.0	1.2	.1							4.5	7.7
NW	.1	.1	.6	.4								1.1	5.6
NNW	.7	3.4	2.8	2.8	.6							11.4	8.2
VARBL													
CALM												.7	3
	15.7	25.1	23.5	17.8	2.5	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 63-70.73-79 YEARS DEC
MONTH 600-0800
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.7	2.9	5.5	.5							13.4	9.3
NNE	.7	.3	.2	.1								1.3	6.0
NE	.7	.2	.1									.5	4.4
ENE													
E	.3	.3	.1									1.2	4.5
ESE	.4	.4	.2									1.1	5.1
SE	.7	.3	.2	.1								1.5	3.1
SSE	1.6	2.1	.5	.1								4.3	4.7
S	4.4	8.9	5.9	3.3	.4							2.0	6.6
SSW	.5	1.1	2.3	2.8	.2							6.6	9.5
SW	.1	.1	1.2	.8								2.2	9.9
WSW	.3	.4	1.4	2.4								4.5	10.5
W	.5	.5	1.4	1.2								3.7	8.7
WNW	.4	1.2	.9	.8								3.2	7.5
NW	.7	1.4	2.4	.8								6.2	6.6
NNW	2.2	4.4	2.3	2.7	.3							11.8	7.6
VARB													
CALM												15.8	
	6.0	24.6	21.9	20.1	1.5							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1920 ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 68-73, 73-79 YEARS DEC MONTH
CLASS ALL WEATHER HOURS [L.S.T.] 900-1100
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	3.1	3.5	5.4	.6							14.1	9.4
NNE	.2	1.1	2.3	.9								4.4	8.4
NE	.4	.6	.3									1.4	5.1
ENE	.1	.6	.3	.1								1.2	6.2
E	.4	.0	.5	.1								1.9	5.7
ESE	.5	.3	.5									1.4	5.0
SE	.5	.0	.4									1.8	4.8
SSE	.8	1.9	2.0	.3								5.1	6.5
S	1.4	4.0	6.5	6.3	.5							19.6	9.0
SSW	.3	1.6	3.0	4.1	.8	.2						10.7	11.0
SW	.4	.3	1.7	1.3	.5							4.3	10.5
WSW	.2	.1	.8	.8	.5							2.4	11.7
W	1.1	.9	1.9	1.6	.3							5.7	9.0
WNW	.8	1.6	1.6	1.1	.1	.1						5.3	8.1
NW	.5	1.5	1.7	1.5	.3							5.6	6.9
NNW	.8	2.0	3.0	4.5	.6	.2						11.2	10.5
VARBL													
CALM												4.7	
	1.0	22.2	30.2	28.0	4.4	.5						100.1	8.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

1972 STATION ROBERT GRAY AAF TX (FORT HOOD) 68-70, 73-79 YEARS DEC MONTH
ALL WEATHER CLASS 1210-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	4.6	6.7	.5							14.1	10.6
NNE	.5	1.1	1.4	.5	.3							3.9	8.0
NE	.4	.4	.5									1.4	5.4
ENE	.4	1.1	.5									1.9	5.1
E	.2	1.6	.4	.1								2.4	5.7
ESE	.2	.1	.6									1.0	6.4
SE	.3	.2	.5	.1								1.7	5.6
SSE	.6	1.3	1.6	.6	.1							4.3	7.3
S	1.1	2.9	5.6	6.9	1.4	.2						18.1	10.5
SSW	.3	1.2	3.3	5.4	1.4	.2						11.8	12.0
SW	.4	1.1	1.1	2.6	.4	.1						5.6	10.4
WSW	.2	1.1	1.1	1.0	.6							3.9	10.2
W	.1	.9	2.1	1.3	.4							4.7	10.1
WNW	.2	.5	1.8	1.7	.3							4.6	10.3
NW	.6	1.2	1.4	1.9	.4							5.6	9.6
NNW	.6	1.4	3.2	3.4	1.4	.2						10.3	11.0
VARBL													
CALM												4.7	
	6.9	18.2	29.8	32.3	7.4	.8						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

39.12
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

DEC
MONTH

ALL WEATHER
CLASS

15.0-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	3.1	4.8	4.8	.4							14.4	9.3
NNE	.7	.6	1.1	.8								2.9	8.3
NE	.5	.6	1.7									2.2	5.8
ENE	.5	.0	.1									1.5	4.0
E	.2	1.5	.6									3.0	4.8
ESE	.5	.8	.2									1.5	4.4
SE	.8	1.9	1.3	.2								4.2	5.8
SSE	.8	1.8	1.9	.9								5.4	7.1
S	.6	4.4	7.5	8.7	1.0	.2						22.5	10.1
SSW	.4	1.2	2.3	3.0	.9	.1						7.8	11.1
SW	1.2	1.1	.5	1.0	.1							4.2	7.0
WSW	.3	.8	1.1	.8	.3							3.2	9.3
W	.8	.6	1.4	1.4	.1							4.3	8.9
WNW	.8	.5	1.3	.8	.3							3.7	8.7
NW	.2	1.7	1.3	1.9	.3	.1						5.6	9.6
NNW	.3	1.5	3.1	3.2	1.2		.1					9.1	10.9
VARBL													
CALM												4.8	
	1.2	23.1	29.5	27.4	4.4	.4	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION ROBERT GRAY AAF TX (FORT HOOD) STATION NAME 68-70, 73-79 YEARS DEC
MONTH 1800-2000
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.5	4.4	2.6	.2	.1						11.3	8.4
NNE	.9	.3	.5	.2								1.8	5.3
NE	.2	.5	.2									1.7	4.9
ENE	.5	.4										1.0	3.1
E	1.7	1.7	.3									3.1	3.7
ESE	1.3	1.0	.2									3.5	3.9
SE	1.2	2.6	.3	.2	.1							4.4	5.1
SSE	2.9	3.1	3.0	.4	.2							9.7	5.7
S	5.1	12.4	6.1	2.7								25.7	5.8
SSW	.5	1.3	.9	.2								2.9	6.1
SW	.1	.1	.2	.1								.5	6.8
WSW	.2	.3	.3	.3								1.2	7.1
W	1.5	.8	.5	.2	.1	.1						3.2	6.0
WNW	.5	1.3	.5									2.4	4.8
NW	1.4	2.2	1.2	1.1	.1							5.9	6.8
NNW	1.5	2.3	1.7	1.6	.3							7.4	7.7
VARBL													
CALM												14.9	
	1.0	33.1	20.6	9.1	1.1	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1972
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-71, 73-79
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	4.7	3.8	.3							12.5	8.7
NNE	.3	.4	.4	.6								1.8	7.9
NE	.7	.1	.1									.5	4.6
ENE	.3	.1										.4	3.3
E	.2	.4	.2									.9	5.7
ESE	.4	.5	.2									1.2	4.5
SE	.5	1.9	.3									3.3	4.9
SSE	2.3	1.0	2.3	1.0		.2						7.7	6.6
S	4.5	12.7	5.3	5.2	.1							27.9	6.6
SSW	.4	3.3	2.3	.6	.2							6.9	7.1
SW	.2	.6	1.2	.5								2.6	8.3
WSW	.1	.3	.4	.1								1.0	7.1
W	.2	.4	.5	.2	.2	.2						1.8	10.2
WNW	.2	.2	.4	.1								1.0	6.3
NW	1.5	1.8	1.3	1.3	.1							6.0	7.1
NNW	1.4	3.9	1.3	1.8	.1	.1						8.5	7.2
VARBL													
CALM												16.1	
	15.2	36.7	21.0	15.3	1.1	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-71, 73-79
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
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	1.5	2.6	4.1	4.6	.4	.0						13.2	9.1
NNE	.4	.6	.8	.4	.0	.0						2.3	7.5
NE	.3	.5	.3									1.1	5.2
ENE	.2	.4	.1	.0								.8	4.7
E	.5	.8	.3	.0								1.7	4.7
ESE	.5	.6	.3	.0	.0							1.4	4.8
SE	.7	1.2	.5	.1	.0							2.5	5.1
SSE	.6	2.1	1.7	.5	.0	.0						6.0	(.1)
S	3.2	8.1	6.3	5.1	.5	.1						23.3	7.7
SSW	.4	1.7	2.5	2.5	.5	.1						7.8	9.9
SW	.4	.6	1.1	1.0	.1	.0						3.2	9.1
WSW	.2	.5	.8	1.0	.2							2.6	10.0
W	.6	.6	1.2	1.0	.2	.1						3.6	8.9
WNW	.6	.9	1.1	.8	.1	.0						3.5	8.1
NW		1.6	1.4	1.2	.2	.0						5.4	7.6
NNW	1.3	2.9	2.4	2.8	.6	.1	.0					10.1	8.8
VARBL													
CALM												11.6	
	13.5	25.8	24.9	20.9	3.0	.3	.0					120.0	7.1

TOTAL NUMBER OF OBSERVATIONS

7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

19.12 STATION ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-80 ALL MONTH

ALL WEATHER CLASS

ALL 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	1.2	2.3	3.2	2.4	.3	.0						9.5	8.5
NNE	.6	1.1	1.3	.5	.0	.0						3.5	7.2
NE	.4	.8	.7	.2	.0	.0						2.2	6.5
ENE	.5	.8	.5	.1	.0							1.9	5.6
E	.9	1.5	.7	.1	.0	.0						3.3	5.2
ESE	.7	1.5	.9	.2	.0	.0						3.3	5.7
SE	.9	2.1	1.9	.5	.0	.0	.0					5.4	6.6
SSE	1.7	3.5	4.3	2.1	.2	.0	.3	.0				11.8	7.6
S	3.4	7.1	8.1	5.6	.6	.1	.0					24.9	8.0
SSW	.8	2.0	2.6	1.8	.2	.0	.0					7.5	8.4
SW	.3	.8	1.0	.5	.0	.0						2.7	7.7
WSW	.2	.5	.6	.4	.0	.0						1.8	7.8
W	.4	.6	.6	.5	.1	.0	.0	.0				2.2	8.4
WNW	.3	.4	.5	.4	.1	.0	.0					1.9	8.4
NW	.6	.8	.7	.6	.1	.0	.0					2.8	7.8
NNW	.9	1.8	1.5	1.4	.3	.1	.0					6.0	8.4
VARBL													
CALM												9.3	
	13.9	27.6	29.4	17.4	2.1	.3	.0	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 87623

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 07902 STATION NAME ROBERT GRAY AAF TX (FORT HOOD) YEARS 69-70, 73-80 ALL MONTH
INSTRUMENT CLASS CIG 100 TO 1400 FT W/ VSBY 1/2 MI OR MORE, ALL HOURS (L.S.T.)
CONDITION 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	1.2	3.2	6.9	4.3	.5	.7						16.7	8.8
NNE	.7	2.1	2.7	.9	.7	.7						6.5	7.4
NE	.5	1.4	1.3	.3	.7	.7						3.5	6.6
ENE	.6	1.7	.8	.2	.7							2.6	6.0
E	.9	1.4	1.1	.2	.7							3.7	5.8
ESE	.6	1.4	1.2	.5	.7	.7						3.8	6.8
SE	1.7	2.2	3.7	1.1	.1	.0						7.4	7.4
SSE	1.5	3.7	6.1	3.5	.2	.0						15.0	8.4
S	1.1	4.6	8.2	5.5	.3	.0						20.2	8.7
SSW	.3	.8	1.5	1.0	.1	.0						3.7	8.8
SW	.2	.3	.4	.1								1.0	7.1
WSW	.1	.2	.2	.0		.7						.5	6.9
W	.1	.3	.3	.1	.7	.7						.8	7.9
WNW	.1	.2	.2	.2	.0	.0	.0					.7	9.0
NW	.2	.2	.8	.6	.0	.0						1.9	9.3
NNW	.5	1.1	2.3	2.1	.4	.0						6.5	9.7
VARBL													
CALM												5.5	
	10.2	24.8	36.8	27.7	1.8	.2	.0					170.0	7.7

TOTAL NUMBER OF OBSERVATIONS 10024

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	≥ 0
NO CEILING														
N 1800														
N 1500					91.0									92.6
N 1200														
N 1000														
N 900														
N 800														
N 700														
N 600														
N 500										97.4				98.1
N 400														
N 300														
N 200														
N 100														
N 0					95.4		96.9			98.3				100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05	≥.01
NO CEILING	50.1	51.1	51.7	51.8	52.2	52.2	52.3	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	52.5	53.4	54.1	54.2	54.5	54.5	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	52.5	53.4	54.1	54.2	54.5	54.5	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	52.5	53.4	54.1	54.2	54.5	54.5	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	52.6	53.5	54.2	54.3	54.6	54.6	54.7	54.7	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000	53.0	54.0	54.6	54.7	55.1	55.1	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	54.7	55.7	56.3	56.5	56.8	56.8	56.9	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000	54.6	55.8	56.5	56.6	56.9	56.9	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	55.0	56.7	57.3	57.4	57.7	57.7	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	56.0	57.1	57.7	57.8	58.2	58.2	58.3	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 6000	56.6	57.7	58.4	58.5	58.8	58.8	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 5000	58.6	60.3	61.0	61.1	61.4	61.4	61.5	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4500	59.9	61.6	62.4	62.5	62.8	62.8	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	61.3	63.1	64.0	64.1	64.4	64.4	64.5	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3500	61.9	63.9	64.7	64.8	65.2	65.2	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3000	62.9	65.1	65.9	66.0	66.3	66.3	66.5	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 2500	64.5	67.0	67.8	68.0	68.4	68.4	68.5	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 2000	66.2	69.4	70.2	70.3	70.8	70.8	70.9	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 1800	66.8	70.1	71.0	71.1	71.5	71.5	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1500	69.2	73.2	74.2	74.3	74.7	74.7	74.8	74.8	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3
≥ 1200	71.3	77.1	78.2	78.3	78.7	78.7	78.9	78.9	78.9	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4
≥ 1000	73.1	80.0	81.1	81.3	81.9	81.9	82.2	82.2	82.2	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6
≥ 900	73.4	80.8	81.8	82.0	82.7	82.7	82.9	82.9	82.9	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3
≥ 800	73.8	81.6	82.7	82.9	83.5	83.5	83.8	83.8	83.8	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2
≥ 700	74.1	82.6	83.7	84.0	84.7	84.7	84.9	84.9	84.9	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4
≥ 600	74.6	83.9	85.1	85.5	86.3	86.3	86.6	86.6	86.6	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0
≥ 500	74.6	84.6	86.9	87.5	88.7	88.8	89.0	89.0	89.0	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7
≥ 400	74.7	84.9	87.3	88.0	89.2	89.4	89.9	89.9	89.9	90.5	90.5	90.8	91.0	91.1	91.1	91.2	91.2
≥ 300	74.9	85.2	88.1	88.9	90.6	90.8	91.3	91.4	91.5	92.3	92.8	93.0	93.2	93.2	93.3	93.7	93.7
≥ 200	74.9	85.4	88.2	89.2	91.0	91.2	91.9	92.0	92.2	93.0	94.0	94.3	95.4	95.4	95.7	96.1	96.1
≥ 100	74.9	85.4	88.4	89.4	91.2	91.4	92.2	92.3	92.4	93.2	94.3	94.6	96.3	97.0	97.4	98.6	98.6
≥ 0	74.9	85.4	88.4	89.4	91.2	91.4	92.2	92.3	92.4	93.2	94.4	94.7	96.5	97.4	98.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT CRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	45.7	47.0	47.4	47.4	47.5	47.5	47.6	47.6	47.6	48.0	48.2	48.2	48.2	48.2	48.3	48.6
≥ 20000	48.0	49.4	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.3	50.5	50.5	50.5	50.5	50.6	51.0
IV 18000	48.0	49.4	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.3	50.5	50.5	50.5	50.5	50.6	51.0
IV 16000	48.0	49.4	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.3	50.5	50.5	50.5	50.5	50.6	51.0
IV 14000	48.3	49.7	50.1	50.1	50.2	50.2	50.3	50.3	50.3	50.6	50.9	50.9	50.9	50.9	51.0	51.3
IV 12000	48.7	50.1	50.5	50.5	50.6	50.6	50.8	50.8	50.8	51.1	51.3	51.3	51.3	51.3	51.4	51.7
IV 10000	50.5	51.9	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.9	53.1	53.1	53.1	53.1	53.2	53.5
IV 9000	50.5	51.9	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.9	53.1	53.1	53.1	53.1	53.2	53.5
IV 8000	51.4	52.8	53.2	53.2	53.3	53.3	53.4	53.4	53.4	53.8	54.0	54.0	54.0	54.0	54.1	54.4
IV 7000	51.8	53.2	53.7	53.7	53.8	53.8	53.9	53.9	53.9	54.2	54.4	54.4	54.4	54.4	54.5	54.8
IV 6000	53.0	54.5	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.6	55.8	55.8	55.8	55.8	55.9	56.2
IV 5000	54.4	56.1	56.6	56.8	56.9	56.9	57.0	57.0	57.0	57.3	57.5	57.5	57.5	57.5	57.6	58.0
IV 4500	55.6	57.5	58.1	58.3	58.4	58.4	58.5	58.5	58.5	58.8	59.0	59.0	59.0	59.0	59.1	59.5
IV 4000	56.0	58.0	58.5	58.7	58.8	58.8	58.9	58.9	58.9	59.2	59.5	59.5	59.5	59.5	59.6	59.9
IV 3500	57.0	59.1	59.7	59.9	60.0	60.0	60.1	60.1	60.1	60.4	60.6	60.6	60.6	60.6	60.8	61.1
IV 3000	58.3	60.6	61.2	61.4	61.5	61.5	61.6	61.6	61.6	61.9	62.2	62.2	62.2	62.2	62.3	62.6
IV 2500	59.6	61.9	62.5	62.7	62.8	62.8	62.9	62.9	62.9	63.2	63.4	63.4	63.4	63.4	63.5	63.9
IV 2000	61.4	64.5	65.1	65.4	65.5	65.5	65.6	65.6	65.6	65.9	66.1	66.1	66.1	66.1	66.2	66.5
IV 1800	61.8	65.2	65.7	66.0	66.1	66.1	66.2	66.2	66.2	66.6	66.8	66.8	66.8	66.8	66.9	67.2
IV 1500	65.1	69.1	69.7	70.0	70.1	70.1	70.2	70.2	70.2	70.5	70.8	70.8	70.8	70.8	70.9	71.2
IV 1200	66.7	71.9	72.5	72.9	73.0	73.0	73.1	73.1	73.1	73.4	73.7	73.7	73.7	73.7	73.8	74.1
IV 1000	68.0	74.4	75.2	75.6	75.8	75.8	75.9	75.9	75.9	76.2	76.5	76.5	76.5	76.5	76.6	76.9
IV 900	68.9	75.9	76.8	77.2	77.4	77.4	77.6	77.6	77.6	78.0	78.2	78.2	78.2	78.2	78.3	78.6
IV 800	69.9	77.4	78.3	78.7	79.1	79.1	79.4	79.4	79.4	79.7	79.9	79.9	79.9	79.9	80.0	80.3
IV 700	70.6	78.6	79.5	80.0	80.5	80.5	80.9	80.9	80.9	81.2	81.4	81.4	81.4	81.4	81.5	81.8
IV 600	71.5	80.3	81.8	82.5	83.0	83.0	83.4	83.4	83.4	83.8	84.0	84.0	84.0	84.0	84.1	84.4
IV 500	71.6	81.5	83.8	84.6	85.3	85.4	85.8	85.9	85.9	86.2	86.5	86.5	86.5	86.5	86.6	86.9
IV 400	71.6	81.9	84.6	85.7	87.2	87.4	87.8	88.3	88.5	88.9	89.5	89.5	89.5	89.6	89.7	90.0
IV 300	71.6	82.0	85.1	86.3	86.7	88.5	89.2	89.9	90.2	90.6	91.4	91.4	91.4	91.6	91.7	92.4
IV 200	71.6	82.4	85.4	86.8	88.7	89.1	89.9	91.0	91.5	92.3	93.3	93.3	93.3	94.1	94.4	95.4
IV 100	71.6	82.4	85.4	86.8	88.7	89.1	89.9	91.0	91.5	92.4	93.4	93.4	93.4	94.5	94.8	95.8
IV 0	71.6	82.4	85.4	86.8	88.7	89.1	89.9	91.0	91.5	92.4	93.4	93.4	93.4	94.5	94.8	95.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑	≥⅐	≥0
NO CEILING	40.5	42.2	42.6	42.8	43.1	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.8
≥20000	42.7	44.6	45.3	45.5	45.8	45.8	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.5
≥18000	42.7	44.6	45.3	45.5	45.8	45.8	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.5
≥16000	42.7	44.6	45.3	45.5	45.8	45.8	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.5
≥14000	43.4	45.4	46.0	46.2	46.6	46.6	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.2
≥12000	44.2	46.1	46.8	47.0	47.3	47.3	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	48.0
≥10000	45.2	47.3	48.0	48.2	48.5	48.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.1
≥9000	45.2	47.3	48.0	48.2	48.5	48.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.1
≥8000	46.3	48.5	49.1	49.4	49.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.3
≥7000	46.7	48.8	49.5	49.7	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.6
≥6000	48.8	51.0	51.6	51.8	52.3	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.9
≥5000	51.0	53.5	54.4	54.6	55.1	55.1	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.7
≥4500	52.0	54.7	55.8	56.1	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.2
≥4000	52.9	55.6	56.7	57.0	57.4	57.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.2
≥3500	53.9	56.7	57.7	58.1	58.5	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.2
≥3000	54.1	57.0	58.1	58.4	58.8	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.6
≥2500	55.9	59.2	60.4	60.8	61.2	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.9
≥2000	59.5	64.1	65.3	65.7	66.2	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.1
≥1800	60.3	65.2	66.3	66.8	67.3	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	68.2
≥1500	62.0	67.8	69.0	69.6	70.1	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	71.0
≥1200	63.5	70.8	71.9	72.6	73.1	73.2	73.2	73.5	73.7	73.7	73.7	73.8	73.8	73.8	73.9	74.2
≥1000	64.4	72.6	74.1	74.8	75.6	75.7	75.8	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.5	76.8
≥900	64.7	73.4	75.3	76.0	76.8	76.9	77.0	77.3	77.5	77.5	77.6	77.6	77.6	77.7	77.7	78.1
≥800	65.3	74.7	76.9	77.6	78.8	78.9	79.1	79.6	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.3
≥700	65.5	75.4	77.8	78.9	80.1	80.2	80.4	80.9	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.7
≥600	65.8	76.6	79.5	80.8	82.0	82.3	82.8	83.2	83.4	83.4	83.5	83.5	83.5	83.7	83.7	84.1
≥500	65.8	76.9	80.2	81.5	83.3	83.8	84.3	84.8	85.2	85.3	85.4	85.4	85.5	85.6	85.6	86.1
≥400	65.9	77.3	81.1	82.7	84.6	85.1	86.0	86.6	86.9	87.0	87.1	87.1	87.3	87.4	87.6	88.3
≥300	65.9	77.3	81.2	83.0	85.2	86.0	87.5	88.7	89.5	90.2	90.4	90.4	90.8	91.0	91.4	92.3
≥200	65.9	77.4	81.4	83.3	85.5	86.3	88.0	89.2	90.1	91.3	91.8	91.9	93.0	93.3	94.1	95.4
≥100	65.9	77.4	81.4	83.4	85.6	86.5	88.2	89.6	90.4	91.7	92.6	92.8	94.1	94.4	95.5	97.8
≥0	65.9	77.4	81.4	83.4	85.6	86.5	88.2	89.6	90.4	91.7	92.6	92.8	94.3	94.6	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

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	36.9	41.6	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.7
≥ 20000	44.3	46.3	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
IV 18000	44.3	46.3	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
IV 16000	44.3	46.3	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
IV 14000	44.4	46.5	46.6	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.0
IV 12000	45.3	47.3	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
IV 10000	47.3	49.4	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
IV 9000	47.4	49.5	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0
IV 8000	48.6	50.6	50.9	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3
IV 7000	50.0	52.0	52.3	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8
IV 6000	51.1	53.2	53.4	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0
IV 5000	52.3	54.5	54.7	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
IV 4500	54.1	56.5	56.7	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
IV 4000	55.2	57.8	58.3	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8
IV 3500	56.1	58.8	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8
IV 3000	57.1	60.1	60.5	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1
IV 2500	59.2	62.7	63.3	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0
IV 2000	61.2	65.5	66.2	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1
IV 1800	61.9	66.6	67.3	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2
IV 1500	63.5	69.1	70.0	70.2	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.1
IV 1200	65.3	72.0	72.9	73.1	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	74.0
IV 1000	66.0	74.0	74.9	75.2	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.2
IV 900	66.5	75.6	76.9	77.3	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.4
IV 800	67.0	76.5	77.7	78.2	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	80.0
IV 700	67.4	77.6	79.0	79.5	80.6	80.9	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.8
IV 600	68.3	79.1	81.0	81.5	83.1	83.3	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.5
IV 500	68.6	80.1	82.3	83.5	85.3	85.7	86.8	87.0	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.8
IV 400	68.7	80.6	82.8	84.1	85.9	86.3	88.1	89.0	89.2	89.6	89.9	89.9	90.0	90.0	90.2	90.4
IV 300	68.7	80.8	83.1	84.5	86.6	87.1	89.0	90.5	91.0	91.5	92.2	92.3	92.6	92.6	93.0	93.3
IV 200	68.7	80.8	83.1	84.5	86.7	87.2	89.7	91.4	91.9	93.2	94.4	94.8	96.0	96.2	97.1	97.7
IV 100	68.7	80.8	83.1	84.5	86.7	87.2	89.7	91.4	91.9	93.2	94.5	95.1	96.3	96.7	97.7	99.6
IV 0	68.7	80.8	83.1	84.5	86.7	87.2	89.7	91.4	91.9	93.2	94.5	95.1	96.3	96.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	44.8	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	49.7	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	49.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	49.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	50.4	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 12000	52.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	55.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	55.4	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	56.9	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000	58.4	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	59.2	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	60.8	62.4	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 4500	61.3	63.0	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000	62.0	63.7	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 3500	62.9	64.7	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 3000	65.6	67.6	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2500	68.1	70.0	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.9	70.9
≥ 2000	69.4	72.0	72.3	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.8	72.8	72.8	72.8	73.0	73.0
≥ 1800	69.6	72.5	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.4	73.4	73.4	73.4	73.5	73.5
≥ 1500	71.6	75.4	75.8	75.8	75.9	76.0	76.1	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.7	76.7
≥ 1200	74.1	79.4	79.7	79.7	79.8	80.0	80.1	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.7	80.7
≥ 1000	74.7	80.6	81.3	81.3	81.4	81.5	81.6	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.2	82.2
≥ 900	74.9	81.7	82.2	82.3	82.4	82.5	82.7	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.3	83.3
≥ 800	75.3	82.3	83.1	83.2	83.3	83.4	83.6	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.3	84.3
≥ 700	75.8	83.1	83.8	84.2	84.6	84.7	85.0	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.7	85.7
≥ 600	76.3	83.8	84.7	85.3	86.2	86.3	86.9	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.5	87.5
≥ 500	76.6	84.9	86.1	87.3	88.5	88.6	89.3	89.7	89.7	89.7	89.9	89.9	89.9	89.9	90.0	90.0
≥ 400	76.6	85.8	87.4	88.8	90.2	90.6	91.9	93.0	93.4	93.5	94.0	94.0	94.0	94.0	94.1	94.1
≥ 300	76.6	86.2	87.9	89.4	91.4	91.8	93.6	95.0	95.9	96.1	96.9	96.9	97.1	97.1	97.2	97.2
≥ 200	76.6	86.2	88.0	89.5	91.5	91.9	93.8	95.4	96.3	96.8	98.2	98.4	99.2	99.2	99.5	99.8
≥ 100	76.6	86.2	88.0	89.5	91.5	91.9	93.8	95.4	96.3	96.8	98.2	98.4	99.4	99.4	99.7	100.0
≥ 0	76.6	86.2	88.0	89.5	91.5	91.9	93.8	95.4	96.3	96.8	98.2	98.4	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

926

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥1	≥0
NO CEILING	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 16000	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 14000	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 12000	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 10000	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 9000	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 5000	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4500	67.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 4000	68.6	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 3500	70.0	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 3000	71.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 2500	74.4	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 2000	75.9	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	76.1	78.3	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 1500	77.5	80.3	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
IV 1200	79.6	83.4	84.3	84.4	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1000	80.3	84.4	85.3	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 900	80.6	84.9	85.8	85.9	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 800	80.6	85.1	85.9	86.0	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 700	81.1	85.9	86.8	86.9	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 600	81.5	86.9	87.8	88.0	88.4	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 500	82.2	88.3	89.5	89.9	90.4	90.6	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	82.2	88.6	90.1	91.1	91.6	92.0	92.8	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
IV 300	82.2	88.7	90.6	91.7	92.5	92.9	94.1	95.4	95.9	96.3	96.9	96.9	96.9	96.9	96.9	96.9
IV 200	82.2	88.7	90.6	91.7	92.5	92.9	94.1	95.6	96.1	96.9	97.8	98.0	98.3	98.5	99.1	99.4
IV 100	82.2	88.7	90.6	91.7	92.5	92.9	94.1	95.6	96.1	96.9	98.0	98.1	98.6	98.8	99.5	99.8
IV 0	82.2	88.7	90.6	91.7	92.5	92.9	94.1	95.6	96.1	96.9	98.0	98.1	98.6	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	51.7	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥20000	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 16000	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 14000	57.5	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	58.8	59.4	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 10000	61.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 9000	61.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 8000	62.6	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 7000	64.3	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 6000	64.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 5000	67.4	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 4500	68.5	69.8	70.1	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 4000	69.6	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	70.4	71.9	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
IV 3000	71.7	73.3	73.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 2500	73.8	75.8	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
IV 2000	75.5	79.0	79.4	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	75.6	79.4	79.8	79.9	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 1500	76.0	80.2	80.6	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1200	77.2	82.7	83.2	83.3	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1000	78.1	84.4	84.9	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 900	78.6	85.1	85.6	85.9	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 800	78.6	85.3	86.2	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 700	78.8	85.7	86.8	87.1	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 600	78.9	85.8	87.0	87.7	88.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 500	79.0	86.5	87.6	88.4	89.2	89.6	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 400	79.1	86.9	88.4	89.5	90.8	91.4	92.4	92.8	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2
IV 300	79.4	87.2	89.2	90.6	92.0	92.8	94.2	95.3	95.4	95.9	96.5	96.6	96.7	96.7	96.7	97.1
IV 200	79.4	87.2	89.4	90.8	92.2	92.9	94.5	95.8	96.0	96.7	97.5	97.7	98.3	98.4	98.6	99.1
IV 100	79.4	87.2	89.4	90.8	92.2	92.9	94.5	95.8	96.0	96.7	97.5	97.7	98.4	98.5	98.7	99.5
IV 0	79.4	87.2	89.4	90.8	92.2	92.9	94.5	95.8	96.0	96.9	97.7	98.0	98.6	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

93C

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	53.1	54.2	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	57.1	58.2	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 18000	57.1	58.2	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 16000	57.1	58.2	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 14000	57.6	58.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 12000	58.2	59.2	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000	59.0	60.1	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 9000	59.0	60.1	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000	59.4	60.5	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 7000	60.1	61.6	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000	60.9	62.4	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 5000	62.8	64.9	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4500	64.2	66.6	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 4000	65.1	67.6	68.0	68.0	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 3500	65.7	68.4	68.7	68.7	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 3000	66.7	69.6	70.0	70.0	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 2500	68.7	71.7	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 2000	71.1	74.9	75.4	75.4	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 1800	71.3	75.5	75.9	75.9	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 1500	72.4	77.1	77.5	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 1200	74.1	79.7	80.2	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 1000	75.6	82.3	82.9	83.0	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	76.0	82.7	83.3	83.4	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 800	76.5	84.0	84.6	84.7	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 700	76.7	84.6	85.3	85.4	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 600	77.1	85.6	86.3	86.8	87.5	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 500	77.2	86.0	87.1	87.6	88.9	89.1	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.7	89.7	89.7
IV 400	77.3	86.1	87.3	88.4	90.3	90.8	91.5	91.8	91.9	92.0	92.0	92.0	92.0	92.2	92.2	92.3
IV 300	77.3	86.2	87.5	89.1	91.1	91.5	92.7	93.2	93.3	94.1	94.3	94.3	94.5	94.6	94.6	94.9
IV 200	77.5	86.5	87.7	89.6	91.7	92.2	93.9	94.5	94.6	95.8	96.9	96.9	97.3	97.4	97.6	98.3
IV 100	77.5	86.5	87.7	89.6	91.7	92.2	93.9	94.5	94.6	95.8	97.0	97.0	97.5	97.6	98.1	99.2
IV 0	77.5	86.5	87.7	89.6	91.7	92.2	93.9	94.5	94.6	95.9	97.1	97.1	97.7	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

G3902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	47.1	48.1	48.4	48.5	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.9
≥ 20000	50.7	51.9	52.2	52.3	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.7
IV 18000	50.8	51.9	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.7
IV 16000	50.8	51.9	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.7
IV 14000	51.3	52.4	52.7	52.8	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2
IV 12000	52.2	53.3	53.7	53.7	53.9	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2
IV 10000	54.3	55.5	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.3
IV 9000	54.3	55.6	55.9	55.9	56.1	56.1	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4
IV 8000	55.4	56.6	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.5
IV 7000	56.3	57.7	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.6
IV 6000	57.4	58.9	59.2	59.3	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7
IV 5000	59.2	60.9	61.3	61.4	61.6	61.6	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.9
IV 4500	60.3	62.2	62.6	62.7	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.2
IV 4000	61.3	63.2	63.7	63.8	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3
IV 3500	62.2	64.3	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.4
IV 3000	63.5	65.7	66.3	66.4	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.9
IV 2500	65.5	68.0	68.6	68.7	69.0	69.0	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.3
IV 2000	67.5	70.9	71.6	71.7	72.0	72.1	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.4
IV 1800	67.9	71.6	72.2	72.4	72.7	72.7	72.8	72.8	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.1
IV 1500	69.7	74.1	74.7	74.9	75.2	75.3	75.3	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.7
IV 1200	71.5	77.1	77.9	78.1	78.4	78.5	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.9	78.9	79.0
IV 1000	72.5	79.1	80.0	80.2	80.6	80.7	80.8	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.2
IV 900	73.0	80.0	81.0	81.3	81.7	81.8	81.9	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.3
IV 800	73.4	80.5	81.9	82.3	82.9	82.9	83.1	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.5
IV 700	73.7	81.7	82.8	83.2	83.9	84.0	84.3	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.7
IV 600	74.2	82.8	84.1	84.6	85.6	85.7	86.2	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.6	86.7
IV 500	74.5	83.6	85.4	86.3	87.5	87.7	88.2	88.4	88.5	88.6	88.7	88.8	88.8	88.8	88.9	89.0
IV 400	74.5	84.0	86.1	87.3	88.7	89.1	90.1	90.6	90.8	91.0	91.3	91.3	91.4	91.4	91.5	91.7
IV 300	74.6	84.2	86.6	88.0	89.7	90.2	91.5	92.4	92.8	93.4	93.9	94.0	94.2	94.2	94.4	94.8
IV 200	74.6	84.3	86.7	88.2	90.0	90.5	92.0	93.1	93.6	94.5	95.5	95.7	95.5	96.6	97.0	97.6
IV 100	74.6	84.3	86.8	88.2	90.0	90.5	92.0	93.2	93.7	94.6	95.7	95.9	96.9	97.1	97.8	99.0
IV 0	74.6	84.3	86.8	88.2	90.0	90.5	92.0	93.2	93.7	94.6	95.7	95.9	97.0	97.3	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS

7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1	≥0
NO CEILING	56.3	59.0	59.6	60.0	60.0	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	61.3
≥ 20000	57.9	60.6	61.2	61.7	61.7	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	63.0
≥ 18000	57.9	60.6	61.2	61.7	61.7	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	63.0
≥ 16000	57.9	60.6	61.2	61.7	61.7	61.8	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	63.0
≥ 14000	58.3	61.0	61.6	62.1	62.1	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	63.4
≥ 12000	58.6	61.3	61.9	62.4	62.4	62.5	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.7
≥ 10000	59.6	62.3	62.9	63.4	63.4	63.5	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.7
≥ 9000	59.6	62.3	62.9	63.4	63.4	63.5	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.7
≥ 8000	61.5	64.5	65.1	65.6	65.6	65.7	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.9
≥ 7000	62.5	65.7	66.3	66.8	66.8	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	68.1
≥ 6000	63.1	66.3	66.9	67.4	67.4	67.5	67.7	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.7
≥ 5000	63.7	66.9	67.5	68.0	68.2	68.3	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.6
≥ 4500	63.9	67.1	67.7	68.2	68.4	68.6	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.9
≥ 4000	64.4	67.6	68.2	68.7	69.0	69.1	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	70.4
≥ 3500	64.8	68.4	69.0	69.5	69.9	70.0	70.3	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	71.3
≥ 3000	65.0	68.8	69.9	70.3	70.7	70.8	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	72.1
≥ 2500	66.0	69.9	70.9	71.5	71.9	72.0	72.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	73.3
≥ 2000	66.2	72.3	73.4	74.0	74.3	74.5	74.8	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.8
≥ 1800	68.9	73.2	74.2	74.9	75.3	75.4	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.7
≥ 1500	71.5	76.4	77.4	78.3	78.6	78.7	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	80.1
≥ 1200	74.1	79.7	80.9	81.7	82.0	82.2	82.5	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.6
≥ 1000	74.9	80.9	82.2	83.0	83.3	83.5	83.8	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.9
≥ 900	75.7	81.7	83.0	83.8	84.3	84.4	84.8	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.8
≥ 800	76.4	83.0	84.3	85.5	86.2	86.3	86.6	86.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.9
≥ 700	77.2	83.9	85.3	86.8	87.6	87.7	88.2	88.3	88.3	88.8	88.8	88.8	88.8	88.8	88.8	89.5
≥ 600	77.7	84.6	86.5	88.1	89.0	89.1	89.6	89.7	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.9
≥ 500	77.8	85.2	87.4	89.0	90.0	90.1	90.7	90.8	90.9	91.4	91.4	91.4	91.4	91.4	91.4	92.1
≥ 400	77.8	85.3	87.9	89.6	91.0	91.1	92.2	92.3	92.4	92.9	92.9	92.9	92.9	92.9	92.9	93.6
≥ 300	77.8	85.5	88.1	89.7	91.3	91.7	93.1	93.3	93.4	93.9	94.2	94.2	94.2	94.2	94.2	94.9
≥ 200	77.8	85.5	88.3	90.1	91.8	92.3	93.9	94.6	94.7	95.4	96.1	96.3	96.3	96.3	96.3	97.4
≥ 100	77.8	85.5	88.3	90.1	91.8	92.3	94.0	95.0	95.2	96.0	96.7	97.2	97.2	97.2	97.3	97.6
≥ 0	77.8	85.5	88.3	90.1	91.8	92.3	94.0	95.0	95.2	96.0	96.7	97.2	97.2	97.2	97.4	97.8

TOTAL NUMBER OF OBSERVATIONS

846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	52.5	53.9	54.5	54.7	55.1	55.2	55.4	55.6	55.7	55.9	56.1	56.1	56.3	56.3	56.4	56.7
≥20000	53.8	55.2	55.8	56.0	56.4	56.5	56.7	56.9	57.0	57.2	57.4	57.4	57.6	57.6	57.7	58.0
≥18000	53.8	55.2	55.8	56.0	56.4	56.5	56.7	56.9	57.0	57.2	57.4	57.4	57.6	57.6	57.7	58.0
≥16000	53.8	55.2	55.8	56.0	56.4	56.5	56.7	56.9	57.0	57.2	57.4	57.4	57.6	57.6	57.7	58.0
≥14000	54.1	55.6	56.1	56.4	56.7	56.9	57.1	57.3	57.3	57.6	57.8	57.8	57.9	57.9	58.0	58.4
≥12000	54.1	55.6	56.1	56.4	56.7	56.9	57.1	57.2	57.3	57.6	57.8	57.8	57.9	57.9	58.0	58.4
≥10000	56.0	57.4	58.0	58.3	58.6	58.7	59.0	59.1	59.2	59.5	59.7	59.7	59.8	59.8	59.9	60.3
≥9000	56.0	57.4	58.0	58.3	58.6	58.7	59.0	59.1	59.2	59.5	59.7	59.7	59.8	59.8	59.9	60.3
≥8000	57.0	58.6	59.2	59.5	59.9	59.9	60.2	60.3	60.4	60.6	60.9	60.9	61.0	61.0	61.1	61.5
≥7000	58.0	60.3	60.9	61.1	61.5	61.6	61.8	61.9	62.1	62.3	62.5	62.5	62.6	62.6	62.8	63.1
≥6000	59.1	60.8	61.3	61.6	61.9	62.1	62.3	62.4	62.5	62.8	63.0	63.0	63.1	63.1	63.2	63.6
≥5000	60.5	62.2	62.8	63.0	63.4	63.5	63.7	63.8	63.9	64.2	64.4	64.4	64.5	64.5	64.7	65.0
≥4500	60.8	62.4	63.0	63.2	63.6	63.7	63.9	64.1	64.2	64.4	64.7	64.7	64.8	64.8	64.9	65.2
≥4000	61.9	63.7	64.5	64.9	65.2	65.4	65.6	65.7	65.8	66.1	66.3	66.3	66.4	66.4	66.5	66.9
≥3500	61.9	63.8	65.1	65.5	65.8	66.0	66.2	66.3	66.4	66.7	66.9	66.9	67.0	67.0	67.1	67.5
≥3000	62.3	64.3	66.1	66.4	66.8	66.9	67.1	67.3	67.4	67.6	67.8	67.8	68.0	68.0	68.1	68.4
≥2500	63.5	65.8	67.6	68.0	68.3	68.4	68.7	68.8	68.9	69.1	69.4	69.4	69.5	69.5	69.6	70.0
≥2000	64.8	67.5	69.3	69.6	70.0	70.1	70.3	70.4	70.6	70.8	71.0	71.0	71.2	71.2	71.3	71.6
≥1800	66.0	68.8	70.7	71.0	71.4	71.5	71.7	71.9	72.0	72.2	72.5	72.5	72.6	72.6	72.7	73.0
≥1500	70.0	73.6	75.5	76.0	76.4	76.5	76.7	76.8	77.0	77.2	77.4	77.4	77.5	77.5	77.7	78.0
≥1200	71.3	76.2	78.6	79.2	79.6	79.7	79.9	80.0	80.1	80.4	80.6	80.6	80.7	80.7	80.9	81.2
≥1000	72.5	77.4	79.9	80.5	80.9	81.0	81.2	81.3	81.4	81.7	81.9	81.9	82.0	82.0	82.2	82.5
≥900	73.6	78.7	81.3	82.0	82.4	82.5	82.7	82.9	83.0	83.2	83.5	83.5	83.6	83.6	83.7	84.0
≥800	74.5	79.8	82.4	83.3	83.7	83.9	84.2	84.3	84.4	84.6	84.9	84.9	85.0	85.0	85.1	85.5
≥700	75.1	80.5	83.3	84.5	84.9	85.1	85.3	85.5	85.6	85.8	86.1	86.1	86.2	86.2	86.3	86.6
≥600	75.3	81.6	84.4	85.8	86.3	86.5	86.9	87.0	87.1	87.4	87.6	87.6	87.7	87.7	87.8	88.2
≥500	75.4	82.2	85.0	86.6	87.2	87.5	87.8	87.9	88.2	88.4	88.7	88.7	88.9	88.9	89.0	89.4
≥400	75.5	82.4	85.8	87.9	88.8	89.2	89.7	89.8	90.1	90.3	90.7	90.7	90.9	90.9	91.0	91.4
≥300	75.5	82.5	85.9	88.1	88.9	89.4	90.7	91.0	91.4	92.0	92.6	92.6	93.0	93.0	93.4	93.7
≥200	75.5	82.5	86.1	88.2	89.0	89.5	91.0	91.7	92.1	93.0	93.7	93.7	95.0	95.0	95.4	96.2
≥100	75.5	82.5	86.1	88.2	89.0	89.5	91.1	92.0	92.3	93.4	94.3	94.4	95.9	96.1	96.7	98.8
≥0	75.5	82.5	86.1	88.2	89.0	89.5	91.1	92.0	92.3	93.4	94.3	94.4	96.0	96.5	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 246

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	43.1	45.5	45.9	46.0	46.6	46.7	46.8	47.2	47.4	47.5	47.5	47.5	47.8	47.8	47.8	48.2
≥ 20000	46.9	49.4	49.9	50.0	50.7	50.8	50.9	51.3	51.5	51.7	51.8	51.8	52.0	52.0	52.0	52.5
IV 18000	46.9	49.4	49.9	50.0	50.7	50.8	50.9	51.3	51.5	51.7	51.8	51.8	52.0	52.0	52.0	52.5
IV 16000	46.9	49.5	50.0	50.1	50.8	50.9	51.1	51.4	51.7	51.8	51.9	51.9	52.1	52.1	52.1	52.6
IV 14000	46.9	49.5	50.0	50.1	50.8	50.9	51.1	51.4	51.7	51.8	51.9	51.9	52.1	52.1	52.1	52.6
IV 12000	47.0	49.8	50.2	50.4	51.1	51.2	51.3	51.7	51.9	52.0	52.1	52.1	52.4	52.4	52.4	52.8
IV 10000	49.3	52.0	52.5	52.6	53.3	53.4	53.5	53.9	54.1	54.3	54.4	54.4	54.6	54.6	54.6	55.1
IV 9000	49.5	52.2	52.7	52.8	53.5	53.7	53.8	54.1	54.4	54.5	54.6	54.6	54.8	54.8	54.8	55.3
IV 8000	50.8	53.7	54.1	54.3	55.0	55.1	55.2	55.6	55.8	55.9	56.0	56.0	56.3	56.3	56.3	56.7
IV 7000	51.9	55.1	55.6	55.7	56.4	56.5	56.6	57.0	57.2	57.3	57.4	57.4	57.7	57.7	57.7	58.2
IV 6000	52.2	55.6	56.0	56.1	56.9	57.0	57.1	57.4	57.7	57.8	57.9	57.9	58.2	58.2	58.2	58.6
IV 5000	53.7	57.0	57.6	57.9	58.6	58.7	58.9	59.2	59.7	59.8	59.9	59.9	60.2	60.2	60.2	60.6
IV 4500	54.1	57.4	58.0	58.4	59.1	59.2	59.3	59.7	60.2	60.3	60.4	60.4	60.6	60.6	60.6	61.1
IV 4000	55.1	58.5	59.1	59.5	60.2	60.3	60.4	60.8	61.2	61.3	61.5	61.5	61.7	61.7	61.7	62.2
IV 3500	55.3	58.7	59.5	59.8	60.6	60.8	60.9	61.2	61.7	61.8	61.9	61.9	62.2	62.2	62.2	62.6
IV 3000	55.3	58.9	59.7	60.2	61.0	61.1	61.2	61.6	62.1	62.2	62.3	62.3	62.5	62.5	62.5	63.0
IV 2500	56.7	60.6	61.5	61.9	62.9	63.0	63.1	63.5	63.9	64.1	64.2	64.2	64.4	64.4	64.4	64.9
IV 2000	59.3	64.3	65.2	65.7	66.7	66.8	66.9	67.3	67.7	67.8	68.0	68.0	68.2	68.2	68.2	68.7
IV 1800	59.9	65.0	66.0	66.4	67.4	67.5	67.6	68.0	68.4	68.6	68.7	68.7	68.9	68.9	68.9	69.4
IV 1500	62.4	68.6	69.9	70.6	71.5	71.9	72.0	72.3	72.8	72.9	73.0	73.0	73.3	73.3	73.3	73.8
IV 1200	63.9	71.5	72.9	73.6	74.6	74.9	75.2	75.5	76.0	76.1	76.2	76.2	76.5	76.5	76.5	77.0
IV 1000	65.1	73.6	75.1	75.8	76.8	77.2	77.4	77.8	78.3	78.4	78.5	78.5	78.7	78.7	78.7	79.2
IV 900	66.4	74.9	76.5	77.2	78.4	78.7	79.0	79.3	79.8	79.9	80.0	80.0	80.4	80.4	80.4	80.9
IV 800	66.7	75.9	77.4	78.3	79.8	80.1	80.4	80.7	81.2	81.3	81.4	81.4	81.8	81.8	81.8	82.3
IV 700	66.8	76.4	78.1	79.0	80.7	81.1	81.3	81.7	82.2	82.3	82.5	82.5	82.9	82.9	82.9	83.3
IV 600	66.8	77.1	79.2	80.1	82.3	82.6	83.0	83.5	83.9	84.2	84.5	84.5	84.9	84.9	84.9	85.3
IV 500	66.8	77.4	80.0	81.1	83.5	83.8	84.4	85.1	85.6	85.8	86.2	86.2	86.5	86.5	86.5	87.0
IV 400	67.0	77.9	80.7	82.0	84.6	85.3	86.6	87.6	88.3	88.7	89.1	89.1	89.6	89.6	89.6	90.1
IV 300	67.0	77.9	81.1	82.6	85.2	86.2	87.7	88.8	89.6	90.3	90.9	90.9	91.8	92.0	92.2	92.7
IV 200	67.0	77.9	81.1	82.6	85.7	86.8	88.3	89.6	90.8	92.1	93.5	93.6	95.2	95.4	95.6	96.2
IV 100	67.0	77.9	81.1	82.6	85.7	86.8	88.3	89.6	90.8	92.2	93.9	94.0	96.1	96.6	97.6	98.9
IV 0	67.0	77.9	81.1	82.6	85.7	86.8	88.3	89.6	90.8	92.2	93.9	94.0	96.1	96.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

246

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	42.6	44.7	44.8	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	48.8	51.5	51.7	51.9	52.5	52.5	52.5	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000	48.8	51.5	51.7	51.9	52.5	52.5	52.6	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000	48.8	51.5	51.7	51.9	52.5	52.5	52.6	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	48.8	51.5	51.7	51.9	52.5	52.5	52.6	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	49.9	52.2	52.4	52.6	53.2	53.2	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5
≥ 10000	51.8	54.6	54.7	55.0	55.6	55.6	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000	51.8	54.6	54.7	55.0	55.6	55.6	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9
≥ 8000	53.0	55.9	56.0	56.3	56.9	56.9	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	53.7	57.2	57.3	57.6	58.2	58.2	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5
≥ 6000	54.3	58.0	58.2	58.4	59.0	59.0	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	54.6	58.5	58.6	58.9	59.5	59.5	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	55.2	59.3	59.5	59.7	60.3	60.3	60.4	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4000	56.3	60.6	60.9	61.1	61.7	61.7	61.8	61.8	61.8	61.8	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3500	56.7	61.5	61.7	62.2	62.8	62.8	62.9	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3000	57.1	62.2	62.4	63.0	63.6	63.6	63.7	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	59.5	64.9	65.1	65.7	66.3	66.3	66.4	66.4	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2000	63.2	69.4	70.0	70.6	71.2	71.2	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5
≥ 1800	63.9	70.6	71.2	71.9	72.5	72.5	72.6	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8
≥ 1500	65.0	72.7	73.5	74.6	75.3	75.3	75.4	75.4	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	66.2	75.8	76.8	77.7	78.4	78.4	78.5	78.5	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1000	66.5	77.1	78.0	79.2	80.4	80.4	80.6	80.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9
≥ 900	67.5	78.6	79.6	80.7	82.4	82.4	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0
≥ 800	67.7	79.4	80.4	81.8	83.9	83.9	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
≥ 700	68.1	80.5	81.4	83.0	85.3	85.6	86.2	86.6	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9
≥ 600	68.3	81.3	82.3	84.0	86.9	87.2	88.1	88.7	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0
≥ 500	68.7	82.2	83.2	85.3	88.3	89.0	90.3	90.9	91.0	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 400	68.7	82.2	83.5	85.8	89.1	89.8	91.8	92.8	92.9	93.4	93.6	93.6	93.6	93.7	93.7	93.7
≥ 300	68.7	82.2	83.7	86.2	89.7	90.9	93.3	94.6	94.8	95.6	96.3	96.3	96.5	96.6	96.6	96.6
≥ 200	68.7	82.2	83.7	86.2	89.8	91.1	93.6	95.0	95.5	96.7	97.5	97.5	98.3	98.6	98.8	98.8
≥ 100	68.7	82.2	83.7	86.2	89.8	91.1	93.6	95.0	95.5	96.7	97.5	97.5	98.3	98.6	99.3	99.9
≥ 0	68.7	82.2	83.7	86.2	89.8	91.1	93.6	95.0	95.5	96.7	97.5	97.5	98.3	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

E46

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

RC FORT GRAY AAF TX (FORT HOOB)
STATION NAME

69-70,73-80
YEARS

FEE
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.10	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	51.3	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	58.3	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 1300	58.3	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	58.3	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	59.1	60.8	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
≥ 12000	60.2	62.2	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
≥ 10000	63.3	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	63.9	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	64.9	66.9	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
≥ 7000	65.8	68.0	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 6000	66.1	68.3	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	66.2	68.6	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	67.1	69.5	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	68.0	70.8	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	68.6	71.5	72.0	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
≥ 3000	70.8	73.9	74.3	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	72.9	76.4	76.6	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 2000	75.9	79.6	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
≥ 1800	75.5	80.5	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	77.5	82.9	83.7	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
≥ 1200	79.3	85.8	86.6	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	80.0	86.9	88.2	88.4	88.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 900	80.0	87.1	88.4	88.8	89.0	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	80.3	88.1	89.4	89.7	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	80.5	88.7	90.1	90.7	90.9	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	80.7	89.5	90.9	91.5	92.0	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	80.5	90.1	91.6	92.4	93.7	94.0	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	81.1	90.3	92.1	92.9	94.6	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	81.1	90.3	92.1	93.3	95.0	95.3	96.7	97.8	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	81.1	90.3	92.1	93.3	95.0	95.3	96.8	98.0	98.1	98.5	99.3	99.3	99.3	99.3	99.6	99.9
≥ 100	81.1	90.3	92.1	93.3	95.0	95.3	96.8	98.0	98.1	98.5	99.4	99.4	99.4	99.4	99.8	100.0
≥ 0	81.1	90.3	92.1	93.3	95.0	95.3	96.8	98.0	98.1	98.5	99.4	99.4	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

PER

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS-TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.15	≥.10	≥.05	≥0
NO CEILING	55.1	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	63.0	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	63.2	65.1	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
≥ 16000	63.2	65.1	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
≥ 14000	63.5	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	63.7	65.6	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	66.1
≥ 10000	67.6	69.5	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
≥ 9000	68.0	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	70.0	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	72.3
≥ 7000	70.3	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000	70.9	72.9	73.3	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
≥ 5000	71.4	73.5	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	72.6	74.8	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	73.8	76.0	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	75.2	77.7	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	76.7	79.3	79.7	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	78.8	81.6	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	80.4	83.5	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1800	80.9	84.2	84.6	85.0	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	82.4	85.9	86.8	87.2	87.5	87.5	87.5	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	83.0	87.0	88.3	88.8	89.0	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1000	83.7	87.7	89.2	90.0	90.2	90.4	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	84.4	88.8	90.1	91.0	91.4	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	84.5	88.9	90.2	91.1	91.5	91.7	91.7	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	84.8	89.2	90.7	91.6	92.1	92.3	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	84.8	89.7	91.3	92.4	92.9	93.1	93.5	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	84.9	90.1	91.8	93.4	93.9	94.2	94.7	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	85.0	90.2	92.1	93.7	94.4	94.8	95.5	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	85.0	90.3	92.2	94.0	95.0	95.5	96.5	97.3	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	85.0	90.3	92.2	94.0	95.0	95.5	96.5	97.5	98.1	98.8	99.3	99.3	99.4	99.5	99.5	99.6
≥ 100	85.0	90.3	92.2	94.0	95.0	95.5	96.5	97.5	98.1	98.8	99.3	99.3	99.4	99.6	99.6	99.9
≥ 0	85.0	90.3	92.2	94.0	95.0	95.5	96.5	97.5	98.1	98.8	99.3	99.3	99.4	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	61.9	63.4	63.6	63.6	63.7	63.7	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	66.0	67.5	67.7	67.7	67.8	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	66.0	67.5	67.7	67.7	67.8	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 16000	66.0	67.5	67.7	67.7	67.8	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	66.2	67.7	68.0	68.0	68.1	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	66.5	68.1	68.4	68.4	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	68.9	70.6	70.9	70.9	71.0	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 9000	69.5	71.2	71.5	71.5	71.6	71.6	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	71.7	73.4	73.8	73.8	73.9	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	71.9	73.5	73.9	73.9	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	72.5	74.3	74.7	74.7	74.8	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 5000	72.9	74.6	75.2	75.3	75.5	75.5	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500	73.8	76.0	76.4	76.5	76.7	76.7	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4000	74.7	77.0	77.3	77.4	77.7	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	75.9	78.6	79.0	79.1	79.3	79.3	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	77.3	80.6	81.0	81.1	81.3	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	79.1	82.7	83.1	83.2	83.5	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	80.6	84.5	84.9	85.0	85.2	85.2	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	80.7	84.6	85.1	85.2	85.5	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1500	81.7	85.6	86.2	86.4	86.6	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	82.0	86.4	87.2	87.7	88.1	88.1	88.3	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	82.6	87.2	88.3	89.0	89.4	89.4	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	83.1	87.8	88.9	89.6	90.0	90.0	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 800	83.2	88.1	89.2	90.0	90.3	90.3	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 700	83.2	88.1	89.2	90.0	90.3	90.3	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 600	83.2	88.1	89.4	90.2	91.0	91.1	91.5	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	83.5	88.5	90.2	91.4	92.4	92.6	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 400	83.5	88.8	90.4	91.7	93.3	93.4	94.4	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	87.5	88.8	90.8	92.2	94.1	94.2	95.6	96.6	97.3	97.8	97.9	97.9	98.1	98.1	98.1	98.1
≥ 200	83.5	88.8	90.8	92.2	94.2	94.3	96.0	97.3	98.3	98.9	99.2	99.2	99.5	99.5	99.9	99.9
≥ 100	83.5	88.8	90.8	92.2	94.2	94.3	96.0	97.3	98.3	98.9	99.2	99.2	99.5	99.5	99.9	99.9
≥ 0	83.5	88.8	90.8	92.2	94.2	94.3	96.0	97.3	98.3	98.9	99.2	99.2	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

FES
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (ST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	62.1	64.3	64.5	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2
≥ 20000	64.8	67.0	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	68.0
≥ 18000	64.8	67.0	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	68.0
≥ 16000	64.8	67.0	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	68.0
≥ 14000	65.1	67.4	67.6	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3
≥ 12000	65.6	67.8	68.1	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8
≥ 10000	67.0	69.5	69.7	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4
≥ 9000	67.3	69.7	70.0	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7
≥ 8000	70.2	72.6	73.0	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.8
≥ 7000	70.4	73.0	73.3	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0
≥ 6000	71.3	73.9	74.1	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8
≥ 5000	72.5	75.1	75.3	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.2
≥ 4500	72.9	75.9	75.8	76.0	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.7
≥ 4000	73.4	76.1	76.4	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.3
≥ 3500	74.1	77.3	77.5	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.5
≥ 3000	74.8	78.4	78.7	79.0	79.4	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.8
≥ 2500	75.5	79.2	79.6	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6
≥ 2000	77.7	81.8	82.2	82.4	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.5
≥ 1800	78.0	82.2	82.5	82.9	83.6	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.9
≥ 1500	79.4	83.7	84.0	84.5	85.2	85.3	85.3	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.6
≥ 1200	80.7	86.1	86.4	87.2	87.9	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.3
≥ 1000	81.3	87.5	87.9	88.9	89.6	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	90.0
≥ 900	81.4	87.7	88.3	89.4	90.1	90.2	90.2	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.5
≥ 800	81.7	88.1	88.8	90.0	90.8	90.9	90.9	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.3
≥ 700	81.7	88.4	89.1	90.4	91.4	91.5	91.5	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.8
≥ 600	81.7	88.7	89.4	90.8	91.8	92.0	92.0	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.3
≥ 500	82.4	89.8	91.0	92.4	93.5	93.7	93.9	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.3
≥ 400	82.4	90.1	91.4	92.9	94.1	94.3	94.6	94.7	94.7	94.8	95.0	95.0	95.0	95.0	95.2	95.3
≥ 300	82.4	90.5	92.1	93.6	95.2	95.4	96.1	96.6	96.6	96.9	97.4	97.4	97.4	97.4	97.5	97.6
≥ 200	82.4	90.5	92.1	93.6	95.2	95.6	96.6	97.4	97.5	98.0	98.7	98.7	98.8	98.8	98.9	99.1
≥ 100	82.4	90.5	92.1	93.6	95.2	95.6	96.6	97.6	97.8	98.2	98.9	98.9	99.1	99.1	99.3	99.8
≥ 0	82.4	90.5	92.1	93.6	95.2	95.6	96.6	97.6	97.8	98.2	98.9	98.9	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

646

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS U.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	53.1	55.0	55.4	55.5	55.7	55.8	55.9	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.4
≥ 20000	57.4	59.5	59.9	60.1	60.3	60.4	60.5	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	61.0
≥ 18000	57.5	59.5	59.9	60.1	60.3	60.4	60.5	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	61.1
≥ 16000	57.5	59.6	59.9	60.1	60.3	60.4	60.5	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.9	61.1
≥ 14000	57.8	59.9	60.2	60.4	60.6	60.7	60.8	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.4
≥ 12000	58.2	60.3	60.7	60.9	61.1	61.2	61.3	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.8
≥ 10000	60.5	62.7	63.0	63.2	63.5	63.5	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.2
≥ 9000	60.6	62.9	63.2	63.4	63.7	63.7	63.8	63.9	64.0	64.0	64.1	64.1	64.2	64.2	64.2	64.4
≥ 8000	62.4	64.7	65.1	65.3	65.5	65.6	65.7	65.8	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.2
≥ 7000	63.2	65.6	66.0	66.2	66.5	66.5	66.7	66.7	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.2
≥ 6000	63.7	66.3	66.7	66.9	67.1	67.2	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.8
≥ 5000	64.4	67.1	67.5	67.7	68.1	68.1	68.2	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.9
≥ 4500	65.1	67.8	68.2	68.4	68.8	68.8	69.0	69.1	69.1	69.2	69.3	69.3	69.3	69.3	69.4	69.6
≥ 4000	65.9	68.8	69.3	69.5	69.9	69.9	70.1	70.2	70.2	70.3	70.4	70.4	70.4	70.4	70.5	70.7
≥ 3500	66.6	69.7	70.2	70.5	70.9	71.0	71.1	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.7
≥ 3000	67.4	70.8	71.5	71.8	72.2	72.2	72.4	72.5	72.5	72.6	72.7	72.7	72.8	72.8	72.8	73.0
≥ 2500	69.0	72.6	73.3	73.7	74.1	74.1	74.2	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.9
≥ 2000	71.3	75.4	76.1	76.5	76.9	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.5	77.5	77.5	77.7
≥ 1800	71.9	76.1	76.9	77.3	77.8	77.8	78.0	78.1	78.1	78.2	78.3	78.3	78.3	78.3	78.4	78.6
≥ 1500	73.7	78.7	79.6	80.2	80.6	80.7	80.9	81.0	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.5
≥ 1200	75.1	81.1	82.2	82.8	83.3	83.4	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.2
≥ 1000	75.8	82.3	83.6	84.3	84.9	85.0	85.2	85.3	85.4	85.5	85.6	85.6	85.6	85.6	85.7	85.9
≥ 900	76.5	83.2	84.5	85.3	86.0	86.1	86.3	86.5	86.5	86.6	86.7	86.7	86.8	86.8	86.8	87.0
≥ 800	76.9	83.9	85.3	86.2	87.0	87.2	87.4	87.5	87.6	87.7	87.8	87.8	87.9	87.9	87.9	88.1
≥ 700	77.2	84.5	85.9	87.0	87.9	88.1	88.4	88.6	88.7	88.8	88.9	88.9	89.0	89.0	89.0	89.2
≥ 600	77.3	85.1	86.7	87.9	89.0	89.2	89.6	89.9	90.0	90.2	90.3	90.3	90.4	90.4	90.4	90.6
≥ 500	77.5	85.7	87.5	89.0	90.3	90.6	91.3	91.6	91.8	92.0	92.1	92.1	92.2	92.2	92.2	92.4
≥ 400	77.6	85.9	88.0	89.6	91.2	91.6	92.6	93.1	93.4	93.6	93.8	93.8	93.9	93.9	93.9	94.1
≥ 300	77.6	86.0	88.2	90.0	91.8	92.3	93.7	94.5	94.8	95.3	95.8	95.8	96.0	96.0	96.1	96.3
≥ 200	77.6	86.0	88.3	90.0	92.0	92.6	94.1	95.1	95.6	96.4	97.2	97.2	97.7	97.8	98.0	98.4
≥ 100	77.6	86.0	88.3	90.0	92.0	92.6	94.1	95.3	95.8	96.6	97.4	97.5	98.1	98.3	98.7	99.5
≥ 0	77.6	86.0	88.3	90.0	92.0	92.6	94.1	95.3	95.8	96.6	97.4	97.5	98.1	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	54.2	56.0	56.2	56.2	56.2	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7
≥ 20000	57.2	59.4	59.6	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1
≥ 18000	57.2	59.4	59.6	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1
≥ 16000	57.2	59.4	59.6	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1
≥ 14000	58.3	60.4	60.6	60.8	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2
≥ 12000	59.1	61.3	61.5	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0
≥ 10000	61.3	63.5	63.9	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4
≥ 7000	61.3	63.5	63.9	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4
≥ 8000	61.6	63.9	64.2	64.3	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7
≥ 7000	62.3	64.6	64.9	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5
≥ 6000	63.1	65.5	65.8	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 5000	63.5	65.9	66.2	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8
≥ 4500	64.3	66.9	67.2	67.3	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7
≥ 4000	64.5	67.2	67.5	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
≥ 3500	64.7	67.5	67.8	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
≥ 3000	65.1	67.8	68.2	68.3	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8
≥ 2500	66.6	69.5	69.8	70.1	70.2	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8
≥ 2000	70.3	73.8	74.1	74.4	74.5	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.1
≥ 1800	71.2	75.1	75.4	75.7	75.8	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3
≥ 1500	75.4	80.0	80.3	80.8	81.0	81.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5
≥ 1200	77.4	83.0	83.3	83.8	84.1	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6
≥ 1000	78.6	85.3	85.7	86.1	86.5	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0
≥ 900	78.8	85.7	86.3	86.8	87.2	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7
≥ 800	79.1	87.1	87.8	88.3	88.7	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2
≥ 700	79.4	87.6	88.6	89.0	89.6	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1
≥ 600	79.7	88.7	89.8	90.3	91.2	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8
≥ 500	80.4	89.8	91.1	91.7	92.7	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.4	93.4	93.4
≥ 400	80.5	90.3	91.8	92.7	93.8	93.9	94.4	94.5	94.5	94.6	94.7	94.7	94.7	94.9	94.9	94.9
≥ 300	80.5	90.3	91.8	92.7	94.2	94.4	95.5	95.8	95.8	96.0	96.5	96.5	96.5	96.7	96.7	96.7
≥ 200	80.5	90.3	91.8	92.7	94.4	94.6	95.7	96.2	96.5	96.9	97.3	97.3	97.3	97.6	97.6	97.6
≥ 100	80.5	90.3	91.8	92.7	94.4	94.6	95.8	96.5	96.7	97.2	97.6	97.7	97.7	98.2	98.4	99.0
≥ 0	80.5	90.3	91.8	92.7	94.4	94.6	95.8	96.5	96.7	97.2	97.6	97.7	97.7	98.2	98.5	99.2

TOTAL NUMBER OF OBSERVATIONS

430

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

MAC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	49.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	51.0	51.0	51.0	51.0	51.1	51.1
≥ 20000	52.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.3	54.3
≥ 18000	52.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.3	54.3
≥ 16000	52.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.3	54.3
≥ 14000	52.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.4	55.4	55.4	55.4	55.5	55.5
≥ 12000	53.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.3	56.3
≥ 10000	55.3	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.6	58.6
≥ 9000	55.7	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.9	58.9	58.9	58.9	59.0	59.0
≥ 8000	55.8	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	59.0	59.0	59.0	59.0	59.1	59.1
≥ 7000	56.6	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.2	60.2
≥ 6000	57.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.9	60.9	60.9	60.9	61.0	61.0
≥ 5000	57.5	61.0	61.3	61.3	61.6	61.7	61.7	61.7	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.0
≥ 4500	57.8	61.4	61.7	61.7	62.0	62.2	62.2	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.5	62.5
≥ 4000	58.0	61.5	61.8	61.8	62.2	62.4	62.4	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7
≥ 3500	58.2	61.7	62.0	62.0	62.4	62.6	62.6	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.9	62.9
≥ 3000	59.1	62.8	63.1	63.1	63.4	63.7	63.7	63.7	63.7	63.8	63.9	63.9	63.9	63.9	64.0	64.0
≥ 2500	61.0	64.9	65.3	65.3	65.6	65.8	65.8	65.8	65.8	65.9	66.0	66.0	66.0	66.0	66.1	66.1
≥ 2000	64.4	69.0	69.4	69.4	69.7	69.9	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.2	70.2
≥ 1800	65.8	70.8	71.1	71.1	71.4	71.6	71.6	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.9	71.9
≥ 1500	68.1	73.8	74.3	74.3	74.6	74.8	74.8	74.9	75.2	75.3	75.4	75.4	75.4	75.4	75.5	75.5
≥ 1200	71.3	78.5	79.0	79.0	79.4	79.6	79.6	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.2
≥ 1000	73.3	81.4	82.0	82.0	82.5	82.7	82.7	82.8	83.0	83.1	83.3	83.3	83.3	83.3	83.4	83.4
≥ 900	73.9	82.5	83.4	83.5	84.0	84.2	84.2	84.3	84.5	84.6	84.8	84.8	84.8	84.8	84.9	84.9
≥ 800	74.4	83.3	84.4	84.5	84.9	85.2	85.2	85.3	85.5	85.6	85.8	85.8	85.8	85.8	85.9	85.9
≥ 700	74.6	84.1	85.2	85.5	86.0	86.2	86.2	86.3	86.6	86.7	86.9	86.9	86.9	86.9	87.0	87.0
≥ 600	74.8	85.4	86.8	87.1	87.7	88.0	88.0	88.1	88.3	88.4	88.6	88.6	88.6	88.6	88.7	88.7
≥ 500	75.4	86.5	88.6	89.4	90.4	90.8	90.8	90.9	91.1	91.2	91.4	91.4	91.4	91.4	91.5	91.5
≥ 400	75.5	87.1	89.4	90.2	91.4	92.0	92.3	92.6	92.8	92.9	93.2	93.2	93.2	93.2	93.3	93.3
≥ 300	75.5	87.4	89.8	90.8	92.2	92.9	93.4	94.0	94.2	94.4	94.9	94.9	94.9	94.9	95.1	95.1
≥ 200	75.6	87.6	90.0	91.0	92.4	93.1	93.7	94.2	94.5	95.3	95.9	95.9	96.1	96.3	96.3	96.6
≥ 100	75.7	87.7	90.1	91.1	92.5	93.2	93.9	94.5	94.9	95.8	96.5	96.5	96.5	97.1	97.7	98.1
≥ 0	75.7	87.7	90.1	91.1	92.5	93.2	93.9	94.5	94.9	95.8	96.5	96.5	96.5	97.1	97.8	98.4

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS OF DAY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	41.0	43.2	44.1	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.8
≥20000	45.3	47.8	48.7	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.6
IV 18000	45.4	48.0	48.8	49.1	49.1	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7
IV 16000	45.4	48.3	48.8	49.1	49.1	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7
IV 14000	45.7	48.4	49.2	49.6	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1
IV 12000	46.5	49.1	50.0	50.3	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.9
IV 10000	48.7	51.8	52.8	53.1	53.2	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.9
IV 9000	48.7	51.8	52.8	53.1	53.2	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.9
IV 8000	49.5	52.7	53.8	54.1	54.3	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.9
IV 7000	51.5	54.8	56.1	56.5	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.3
IV 6000	51.9	55.3	56.6	56.9	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.7
IV 5000	52.8	56.2	57.6	58.1	58.3	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.4
IV 4500	53.0	56.5	57.8	58.3	58.5	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.6
IV 4000	54.0	57.4	58.8	59.2	59.5	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.5
IV 3500	54.8	58.4	59.8	60.2	60.4	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5
IV 3000	56.3	60.3	61.7	62.3	62.5	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.5
IV 2500	58.5	62.9	64.4	64.9	65.2	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.2
IV 2000	62.0	67.3	68.8	69.5	69.9	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0
IV 1800	62.7	68.1	69.6	70.2	70.6	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7
IV 1500	64.9	71.5	73.1	73.9	74.4	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6
IV 1200	66.9	74.2	76.0	77.0	77.5	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.7
IV 1000	68.3	76.9	79.0	80.2	80.9	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.4
IV 900	68.3	77.0	79.1	80.3	81.2	81.9	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.7
IV 800	68.8	78.4	80.5	81.9	82.9	83.8	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.5
IV 700	69.5	79.1	81.4	82.8	84.0	84.8	85.3	85.3	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.7
IV 600	69.9	80.4	82.9	84.5	85.7	86.7	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.5
IV 500	69.9	80.6	83.4	85.2	86.6	87.7	88.5	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	89.1
IV 400	69.9	80.9	83.9	85.7	87.3	88.5	89.4	90.0	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.3
IV 300	70.0	81.2	84.6	86.5	88.2	89.7	90.8	91.6	92.4	92.7	92.9	93.0	93.1	93.1	93.2	93.5
IV 200	70.0	81.2	84.6	86.5	88.2	89.7	90.9	91.8	92.9	93.5	94.4	94.5	94.7	94.7	95.2	95.5
IV 100	70.0	81.2	84.6	86.5	88.2	89.7	90.9	91.8	92.9	93.7	95.1	95.3	95.8	96.5	97.6	98.7
IV 0	70.0	81.2	84.6	86.5	88.2	89.7	90.9	91.8	92.9	93.7	95.1	95.3	95.9	96.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HODG) STATION NAME

69-70,73-80 YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	43.0	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	48.7	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 18000	48.7	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 16000	48.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 14000	49.6	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 12000	52.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 10000	54.5	56.6	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 9000	54.5	56.6	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 8000	55.9	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 7000	56.8	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 6000	57.6	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 5000	58.6	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4500	58.9	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 4000	60.0	62.7	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
IV 3500	60.6	63.3	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 3000	62.8	65.7	66.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 2500	65.6	68.9	69.5	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
IV 2000	68.8	72.5	73.0	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
IV 1800	69.4	73.1	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1500	71.5	75.7	76.3	76.6	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 1200	73.3	78.8	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
IV 1000	74.5	81.6	82.9	83.4	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 900	74.6	82.7	84.1	84.6	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 800	74.7	83.0	84.7	85.6	86.3	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 700	74.8	83.3	85.2	86.5	87.4	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 600	75.1	84.1	85.9	87.3	88.5	88.7	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 500	75.1	84.6	87.0	88.5	90.0	90.5	91.5	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 400	75.1	85.1	87.4	89.0	90.9	91.6	93.1	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 300	75.2	85.3	87.6	89.2	91.1	92.0	93.7	94.7	95.5	96.1	96.3	96.3	96.5	96.5	96.5	96.5
IV 200	75.2	85.3	87.6	89.2	91.1	92.0	93.7	94.7	95.5	96.6	96.9	96.9	97.6	97.6	97.8	98.5
IV 100	75.2	85.3	87.6	89.2	91.1	92.0	93.7	94.7	95.5	96.7	97.1	97.2	98.0	98.5	99.2	99.7
IV 0	75.2	85.3	87.6	89.2	91.1	92.0	93.7	94.7	95.5	96.7	97.1	97.2	98.0	98.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.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	≥1/16	≥0
NO CEILING	50.2	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	59.0	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	59.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	59.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	60.6	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 12000	62.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	65.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 9000	65.4	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	66.5
≥ 8000	66.1	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	67.3
≥ 7000	66.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000	68.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 5000	69.1	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
≥ 4500	70.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	70.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	71.6	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
≥ 3000	73.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500	76.3	78.5	78.5	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
≥ 2000	78.8	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1800	79.6	81.9	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
≥ 1500	81.0	84.1	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	82.6	86.8	87.8	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	82.9	87.7	89.4	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 900	83.2	88.4	90.0	90.4	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	83.2	88.8	90.5	91.0	91.3	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700	83.2	89.1	91.0	91.6	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	83.3	89.6	91.9	92.8	93.4	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 500	83.3	89.7	92.4	93.3	94.2	94.2	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	83.3	89.8	92.7	93.8	94.8	94.8	95.5	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 300	83.4	89.9	92.8	94.1	95.4	95.5	96.2	96.9	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	83.4	89.9	92.8	94.1	95.4	95.5	96.2	97.0	97.6	98.3	98.7	98.9	99.1	99.1	99.4	99.5
≥ 100	83.4	89.9	92.8	94.1	95.4	95.5	96.2	97.0	97.6	98.3	98.8	99.0	99.4	99.5	99.7	100.0
≥ 0	83.4	89.9	92.8	94.1	95.4	95.5	96.2	97.0	97.6	98.3	98.8	99.0	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	63.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	63.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	63.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	64.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 12000	65.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 10000	69.6	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	71.0
≥ 9000	69.6	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	71.0
≥ 8000	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	70.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 6000	71.7	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	73.1
≥ 5000	73.9	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
≥ 4500	74.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	75.3	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
≥ 3500	76.2	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	77.8
≥ 3000	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	79.9	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
≥ 2000	81.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1700	82.3	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
≥ 1500	83.5	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
≥ 1200	85.1	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
≥ 1000	85.1	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
≥ 900	85.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	85.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 700	85.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	85.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	85.9	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
≥ 400	85.9	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
≥ 300	85.9	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
≥ 200	85.9	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
≥ 100	85.9	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
≥ 0	85.9	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

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	54.6	55.5	55.6	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	65.8	67.0	67.1	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 18000	66.1	67.3	67.4	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 16000	66.1	67.3	67.4	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000	67.5	68.6	68.9	69.1	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 12000	69.4	70.8	70.9	71.1	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	72.2	73.9	74.0	74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	72.3	74.0	74.1	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000	73.4	75.3	75.4	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 7000	74.2	76.1	76.2	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 6000	74.5	76.5	76.6	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	76.3	78.3	78.4	78.6	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 4500	77.1	79.2	79.4	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4000	77.8	80.0	80.2	80.4	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3500	78.3	80.4	80.8	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
IV 3000	78.7	81.1	81.4	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 2500	80.2	83.7	84.0	84.2	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	82.3	86.8	87.1	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1800	82.5	87.3	87.8	88.3	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500	83.0	88.8	89.4	89.8	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	83.2	89.4	90.0	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
IV 1000	83.4	89.7	90.6	91.2	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 900	83.5	90.1	91.1	91.6	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 800	83.5	90.3	91.3	91.8	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 700	83.7	90.5	91.6	92.3	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 600	83.8	90.6	91.9	92.6	93.5	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 500	83.9	90.9	92.3	93.0	94.7	94.9	95.4	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	84.0	91.3	92.8	93.7	95.6	95.8	96.3	96.9	97.4	97.6	97.8	97.8	98.0	98.0	98.0	98.0
IV 300	84.0	91.3	92.8	93.7	95.6	95.9	96.8	97.4	98.0	98.2	98.5	98.5	98.7	98.7	98.7	98.7
IV 200	84.0	91.3	92.8	93.7	95.6	95.9	96.8	97.4	98.1	98.3	98.9	98.9	99.2	99.2	99.2	99.4
IV 100	84.0	91.3	92.8	93.7	95.6	95.9	96.8	97.4	98.1	98.3	98.9	98.9	99.6	99.6	99.7	99.9
IV 0	84.0	91.3	92.8	93.7	95.6	95.9	96.8	97.4	98.1	98.3	98.9	98.9	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	60.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	64.9	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 18000	65.1	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 16000	65.1	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000	65.8	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	66.5	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 10000	65.2	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	69.2	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	69.5	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 7000	69.8	71.9	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	72.2
≥ 6000	70.9	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	72.3	74.8	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	73.5	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	76.3
≥ 4000	74.0	76.8	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
≥ 3500	74.7	77.6	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
≥ 3000	75.9	78.8	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2500	77.2	80.8	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	81.5
≥ 2000	79.0	83.1	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	83.9
≥ 1800	79.6	83.8	84.3	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
≥ 1500	81.0	85.8	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	81.6	87.2	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	81.9	88.2	89.0	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
≥ 900	82.0	88.5	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	82.2	88.6	89.7	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 700	82.4	89.2	90.3	90.8	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	82.5	90.0	91.2	91.7	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	82.7	90.4	92.0	92.7	94.0	94.1	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 400	82.9	90.6	92.4	93.1	94.7	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 300	82.9	90.8	92.5	93.5	95.4	95.5	96.0	96.3	96.3	96.5	96.9	97.0	97.0	97.0	97.0	97.0
≥ 200	82.9	90.8	92.5	93.8	95.6	95.8	96.8	97.1	97.1	97.3	98.0	98.2	98.3	98.3	98.4	98.4
≥ 100	82.9	90.8	92.5	93.8	95.6	95.8	96.8	97.1	97.1	97.4	98.1	98.3	98.5	98.6	99.2	99.4
≥ 0	82.9	90.8	92.5	93.8	95.6	95.8	96.8	97.1	97.1	97.4	98.1	98.3	98.5	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS 1-17

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0	
NO CEILING	53.4	51.8	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	
≥ 20000	57.0	58.7	56.9	59.0	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
≥ 18000	57.1	58.8	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	
IV 16000	57.1	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.4	
IV 14000	58.1	59.9	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	
IV 12000	59.4	61.3	61.5	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	
IV 10000	62.0	64.1	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	
IV 9000	62.1	64.2	64.4	64.5	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	
IV 8000	62.6	64.9	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	
IV 7000	63.5	65.8	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	
IV 6000	64.4	66.7	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	
IV 5000	65.5	68.0	68.3	68.4	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	
IV 4500	66.2	68.7	69.0	69.1	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	
IV 4000	66.8	69.4	69.8	69.9	70.0	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
IV 3500	67.4	70.1	70.5	70.6	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
IV 3000	68.6	71.4	71.8	71.9	72.1	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	
IV 2500	70.7	74.0	74.4	74.6	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	
IV 2000	73.4	77.4	77.8	78.0	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 1800	74.1	78.3	78.8	79.0	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	
IV 1500	76.0	81.0	81.6	81.9	82.2	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	
IV 1200	77.7	83.6	84.4	84.8	85.1	85.2	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6	
IV 1000	78.5	85.3	86.4	86.9	87.3	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8	
IV 900	78.7	85.9	87.0	87.5	88.0	88.2	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	
IV 800	79.0	86.6	87.8	88.4	89.0	89.1	89.3	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	
IV 700	79.2	87.0	88.4	89.1	89.8	90.0	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	
IV 600	79.4	87.8	89.4	90.2	91.1	91.3	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	
IV 500	79.6	88.3	90.3	91.2	92.4	92.7	93.2	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.7	
IV 400	79.6	88.7	90.7	91.8	93.2	93.6	94.2	94.5	94.8	95.0	95.1	95.1	95.1	95.2	95.2	95.2	
IV 300	79.7	88.8	90.9	92.1	93.6	94.2	95.0	95.6	95.9	96.3	96.6	96.7	96.8	96.8	96.8	96.9	
IV 200	79.7	88.8	91.0	92.1	93.7	94.2	95.2	95.8	96.3	96.9	97.4	97.5	97.8	97.9	98.1	98.2	
IV 100	79.7	88.8	91.0	92.1	93.7	94.3	95.2	95.9	96.4	97.1	97.7	97.8	98.3	98.6	99.1	99.4	
IV 0	79.7	88.8	91.0	92.1	93.7	94.3	95.2	95.9	96.4	97.1	97.7	97.8	98.3	98.6	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HODD)
STATION NAME

69-70,73-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	47.4	49.3	49.6	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2
≥ 20000	52.7	54.7	54.9	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6
≥ 18000	52.7	54.7	54.9	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6
≥ 16000	52.8	54.8	55.0	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7
≥ 14000	53.4	55.6	55.8	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4
≥ 12000	54.1	56.2	56.4	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
≥ 10000	55.8	58.2	58.6	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
≥ 9000	56.0	58.4	58.8	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4
≥ 8000	56.8	59.4	59.8	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4
≥ 7000	57.2	59.9	60.2	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9
≥ 6000	57.6	60.4	60.8	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4
≥ 5000	58.3	62.4	62.9	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6
≥ 4500	60.4	64.1	64.7	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
≥ 4000	60.9	64.7	65.3	65.4	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1
≥ 3500	61.1	65.0	65.8	65.9	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6
≥ 3000	62.8	66.9	67.7	67.8	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
≥ 2500	63.8	68.4	69.2	69.3	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0
≥ 2000	67.2	72.6	73.6	73.6	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4
≥ 1800	68.3	73.7	74.8	75.0	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8
≥ 1500	71.8	77.7	78.8	79.0	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8
≥ 1200	74.1	81.4	82.6	82.9	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8
≥ 1000	75.6	84.0	85.8	86.1	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1
≥ 900	75.9	84.9	86.9	87.3	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4
≥ 800	77.1	86.9	89.1	89.6	90.4	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8
≥ 700	77.4	87.9	90.6	91.0	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9
≥ 600	77.7	88.7	91.9	92.3	94.2	94.3	94.8	94.8	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0
≥ 500	77.7	89.0	92.3	92.8	94.8	95.1	95.7	95.8	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0
≥ 400	77.9	89.4	92.9	93.4	96.0	96.3	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.3	97.3	97.3
≥ 300	77.9	89.7	93.2	93.8	96.4	96.8	97.4	97.7	97.9	97.9	98.0	98.0	98.2	98.2	98.2	98.2
≥ 200	77.9	89.7	93.2	93.8	96.7	97.0	97.8	98.4	98.8	99.0	99.2	99.2	99.6	99.7	99.7	99.7
≥ 100	77.9	89.7	93.2	93.8	96.7	97.0	97.8	98.4	98.8	99.0	99.2	99.2	99.7	99.8	99.9	99.9
≥ 0	77.9	89.7	93.2	93.8	96.7	97.0	97.8	98.4	98.8	99.0	99.2	99.2	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	41.6	42.8	42.9	43.0	43.4	43.4	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.9
≥20000	45.4	46.8	46.9	47.1	47.6	47.6	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.0
≥18000	45.4	46.8	46.9	47.1	47.6	47.6	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.0
≥16000	45.4	46.8	46.9	47.1	47.6	47.6	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.0
≥14000	46.0	47.4	47.6	47.8	48.2	48.2	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.7
≥12000	46.6	48.0	48.1	48.3	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.2
≥10000	48.2	49.8	49.9	50.1	50.6	50.6	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0
≥9000	48.3	49.9	50.0	50.2	50.7	50.7	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.1
≥8000	49.1	50.7	50.8	51.0	51.4	51.4	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.9
≥7000	49.4	51.0	51.1	51.3	51.8	51.8	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.2
≥6000	50.0	51.6	51.7	51.9	52.3	52.3	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.8
≥5000	51.3	53.7	53.8	54.0	54.6	54.6	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.0
≥4500	52.6	55.0	55.2	55.4	56.0	56.0	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥4000	53.0	55.8	56.0	56.3	56.9	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.3
≥3500	53.7	56.8	57.0	57.3	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥3000	54.3	57.6	57.8	58.1	58.7	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1
≥2500	55.7	59.3	59.6	59.9	60.4	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.9
≥2000	58.3	62.8	63.0	63.4	64.1	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.6
≥1800	59.4	64.0	64.2	64.7	65.3	65.3	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8
≥1500	64.7	70.1	70.4	70.9	71.6	71.6	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2
≥1200	59.1	76.4	77.3	77.8	78.4	78.4	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥1000	70.4	78.7	80.2	80.8	81.6	81.7	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥900	70.9	80.4	82.1	82.7	83.4	83.6	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥800	71.3	81.2	83.1	83.9	85.1	85.3	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.2
≥700	71.8	81.8	84.0	84.8	86.1	86.8	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.9
≥600	72.1	83.6	86.3	87.4	89.2	90.0	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.3
≥500	72.9	85.0	87.9	89.2	91.6	92.3	93.2	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.9
≥400	73.1	85.2	88.1	89.6	92.1	92.9	94.6	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.3
≥300	73.2	85.7	88.7	90.4	93.0	93.9	95.6	96.2	96.2	96.6	96.6	96.6	96.7	96.7	96.8	96.9
≥200	73.3	85.8	88.8	90.7	93.4	94.3	96.2	96.9	97.0	97.3	97.3	97.6	97.8	98.2	98.3	98.6
≥100	73.3	85.8	88.8	90.7	93.4	94.3	96.2	96.9	97.0	97.3	97.3	97.6	97.8	98.2	98.6	99.0
≥0	73.3	85.8	88.8	90.7	93.4	94.3	96.2	96.9	97.0	97.3	97.3	97.6	97.8	98.3	98.7	99.1

TOTAL NUMBER OF OBSERVATIONS

990

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3900
STATION

ROBERT GRAY AAF TX (FORT MCOS)
STATION NAME

69-70,73-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	34.1	36.2	37.7	37.1	37.8	37.8	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	37.7	40.4	41.5	41.6	42.2	42.2	42.4	42.7	42.7	42.7	42.8	42.9	42.9	43.0	43.1	43.1
≥ 18000	37.8	40.6	41.4	41.7	42.3	42.3	42.5	42.8	42.8	42.8	42.9	42.9	42.9	43.1	43.2	43.2
≥ 16000	37.8	40.6	41.4	41.7	42.3	42.3	42.5	42.8	42.8	42.8	42.9	42.9	42.9	43.1	43.2	43.2
≥ 14000	37.9	40.9	42.0	42.2	42.9	42.9	43.1	43.3	43.3	43.3	43.4	43.4	43.4	43.7	43.8	43.8
≥ 12000	38.2	41.5	42.9	43.0	43.9	43.9	44.0	44.2	44.2	44.2	44.3	44.3	44.3	44.6	44.7	44.7
≥ 10000	39.7	43.1	44.4	44.7	45.4	45.4	45.7	45.9	45.9	45.9	46.0	46.0	46.0	46.2	46.3	46.3
≥ 9000	40.7	43.4	44.8	45.0	45.8	45.8	46.0	46.2	46.2	46.2	46.3	46.3	46.3	46.6	46.7	46.7
≥ 8000	42.7	45.4	46.8	47.0	47.8	47.8	48.0	48.2	48.2	48.2	48.3	48.3	48.3	48.6	48.7	48.7
≥ 7000	42.7	46.1	47.6	47.9	48.6	48.6	48.8	49.0	49.0	49.0	49.1	49.1	49.1	49.3	49.4	49.4
≥ 6000	44.7	47.6	49.1	49.3	50.1	50.1	50.3	50.6	50.6	50.6	50.7	50.7	50.7	50.9	51.0	51.0
≥ 5000	45.7	49.3	51.1	51.3	52.1	52.1	52.4	52.7	52.7	52.7	52.8	52.8	52.8	53.0	53.1	53.1
≥ 4500	46.7	50.7	52.7	52.9	53.9	54.0	54.3	54.6	54.6	54.6	54.7	54.7	54.7	54.9	55.0	55.0
≥ 4000	47.4	51.6	53.7	53.9	54.9	55.0	55.3	55.6	55.6	55.6	55.7	55.7	55.7	55.9	56.0	56.0
≥ 3500	48.3	52.6	54.7	54.9	56.0	56.2	56.6	56.8	56.8	56.8	56.9	56.9	56.9	57.1	57.2	57.2
≥ 3000	48.6	52.9	55.0	55.2	56.3	56.6	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.4	57.6	57.6
≥ 2500	50.3	55.2	57.4	57.8	58.9	59.1	59.4	59.7	59.7	59.7	59.8	59.8	59.8	60.0	60.1	60.1
≥ 2000	52.3	58.4	61.0	61.3	62.6	62.8	63.2	63.4	63.4	63.4	63.6	63.6	63.6	63.8	63.9	63.9
≥ 1800	53.7	59.1	61.9	62.2	63.4	63.7	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.7	64.8	64.8
≥ 1500	54.9	62.3	65.9	66.3	67.8	68.1	68.6	68.8	68.9	68.9	69.0	69.0	69.0	69.2	69.3	69.3
≥ 1200	57.1	66.7	70.9	71.7	73.1	73.3	73.9	74.1	74.2	74.2	74.3	74.3	74.3	74.6	74.7	74.7
≥ 1000	58.2	69.1	73.7	74.0	76.5	76.9	77.4	77.8	77.9	77.9	78.0	78.0	78.0	78.2	78.3	78.3
≥ 900	58.7	70.9	75.9	76.9	79.0	79.4	80.0	80.3	80.4	80.4	80.6	80.6	80.6	80.8	80.9	80.9
≥ 800	58.9	72.3	77.7	78.8	81.3	81.9	82.6	83.0	83.1	83.1	83.2	83.2	83.2	83.4	83.6	83.6
≥ 700	59.4	73.7	79.6	81.1	83.9	84.7	85.4	85.9	86.7	86.1	86.2	86.2	86.2	86.4	86.6	86.6
≥ 600	59.6	74.2	80.9	82.7	85.7	86.4	87.2	87.8	87.9	88.1	88.3	88.3	88.3	88.6	88.7	88.7
≥ 500	60.0	75.4	82.2	84.0	87.3	88.2	89.0	89.7	89.9	90.3	90.6	90.7	90.7	90.9	91.0	91.0
≥ 400	60.2	75.7	82.6	84.6	88.1	89.7	90.8	91.7	92.0	92.4	92.7	92.8	92.9	93.1	93.2	93.3
≥ 300	61.2	75.7	82.6	84.7	88.6	90.3	91.9	93.2	93.9	94.3	94.8	94.9	95.1	95.6	95.7	95.8
≥ 200	60.2	75.7	82.6	84.8	88.7	90.4	92.0	93.3	94.3	95.3	96.0	96.2	96.9	97.4	97.7	98.0
≥ 100	60.2	75.7	82.6	84.8	88.7	90.4	92.0	93.3	94.4	95.4	96.1	96.4	97.8	98.4	99.0	99.9
≥ 0	60.2	75.7	82.6	84.8	88.7	90.4	92.0	93.3	94.4	95.4	96.1	96.4	97.8	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT WOOD)

64-70,73-80
YEARS

ADT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥5/16	¼	≥0
NO CEILING	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥20000	45.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥18000	45.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥16000	45.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥14000	45.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥12000	46.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥10000	47.4	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥9000	46.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥8000	49.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥7000	49.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥6000	52.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥5000	53.6	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥4500	54.4	58.3	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥4000	55.3	59.4	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥3500	56.2	60.6	60.7	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥3000	57.7	61.7	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥2500	59.4	64.3	64.6	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥2000	61.4	68.2	68.6	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥1800	62.5	69.1	69.7	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥1500	64.9	73.6	74.3	74.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥1200	67.8	78.9	80.4	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥1000	69.1	81.7	83.4	84.4	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥900	69.7	83.7	85.7	86.1	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥800	70.2	84.3	86.4	87.7	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥700	70.6	85.1	87.4	88.7	89.9	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥600	70.8	86.1	89.7	89.9	91.1	91.7	92.6	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥500	71.0	86.6	89.3	90.9	92.4	93.4	93.8	94.4	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9
≥400	71.0	86.7	89.4	91.0	92.8	94.2	94.7	95.7	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4
≥300	71.1	86.8	89.6	91.2	93.0	94.6	95.3	96.4	96.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7
≥200	71.1	86.8	89.6	91.2	93.0	94.6	95.4	96.6	96.9	97.7	98.3	98.3	98.3	98.3	98.3	98.3
≥100	71.1	86.8	89.6	91.2	93.0	94.6	95.4	96.6	96.9	97.7	98.3	98.3	98.3	98.3	98.3	98.3
≥0	71.1	86.8	89.6	91.2	93.0	94.6	95.4	96.6	96.9	97.7	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 400

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HODG)

69-70, 73-80

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	44.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥20000	52.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 18000	53.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 16000	53.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 14000	53.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	54.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 10000	57.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 9000	58.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	59.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 7000	60.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	60.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 5000	62.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500	63.8	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4000	64.8	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
IV 3500	67.4	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 3000	70.5	73.5	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2500	73.2	77.0	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
IV 2000	76.8	80.8	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1800	77.3	81.7	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	79.1	84.4	85.5	85.8	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	82.8	88.0	89.7	89.9	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1000	81.3	89.2	91.2	91.6	92.4	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	81.3	89.6	91.7	92.0	93.1	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 800	81.4	90.0	92.3	92.8	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 700	81.8	90.4	93.1	93.7	95.1	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	82.0	91.2	93.9	94.4	95.9	96.6	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	82.0	91.4	94.2	94.8	96.6	97.4	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	82.0	91.6	94.4	95.0	96.8	97.7	98.1	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	82.0	91.6	94.4	95.0	96.8	97.7	98.1	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	82.0	91.6	94.4	95.0	96.8	97.7	98.1	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	82.0	91.6	94.4	95.0	96.8	97.7	98.1	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	82.0	91.6	94.4	95.0	96.8	97.7	98.1	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 400

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03942
STATION

ROBERT GRAY AAF TX (FORT HOOVER)
STATION NAME

69-70, 73-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1	≥0
NO CEILING	49.9	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥20000	50.8	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥18000	50.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥16000	50.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥14000	50.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥12000	51.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥10000	54.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥9000	54.6	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥8000	56.7	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥7000	57.9	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥6000	58.9	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥5000	59.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥4500	73.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥4000	75.9	78.4	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
≥3500	79.1	80.7	81.1	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
≥3000	80.2	83.2	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥2500	81.9	85.4	85.9	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
≥2000	84.3	89.0	89.4	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
≥1800	84.9	90.0	90.4	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥1500	85.1	91.3	92.1	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
≥1200	86.3	93.3	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥1000	86.2	94.2	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥900	86.6	94.7	95.6	96.1	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥800	86.6	94.9	95.9	96.4	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥700	86.7	95.2	96.3	97.0	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥600	86.7	95.3	96.3	97.2	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥500	86.7	95.4	96.7	97.6	98.6	98.6	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥400	86.7	95.4	96.7	97.6	98.6	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥300	86.7	95.4	96.7	97.6	98.6	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥200	86.7	95.4	96.7	97.6	98.6	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥100	86.7	95.4	96.7	97.6	98.6	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥0	86.7	95.4	96.7	97.6	98.6	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

01902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING ≥ 20000	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	56.9
≥ 18000	66.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 16000	66.4	68.0	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
≥ 14000	67.0	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 12000	63.0	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	70.4	72.7	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 9000	70.4	73.1	73.6	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
≥ 8000	72.4	74.9	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 7000	73.4	76.1	76.4	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
≥ 6000	74.4	77.0	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 5000	76.0	79.7	79.1	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
≥ 4500	77.9	81.2	81.2	81.5	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 4000	78.6	82.6	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
≥ 3500	80.0	83.9	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
IV 3000	81.2	86.1	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	81.9	87.7	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	82.8	89.2	90.0	90.1	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	82.8	89.4	90.0	90.4	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 1500	84.0	91.1	91.9	92.1	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	84.7	92.8	93.6	93.6	94.4	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000	84.9	93.4	94.4	94.7	95.3	95.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	84.9	93.7	94.7	94.9	95.7	95.8	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	84.5	93.8	94.6	95.0	95.9	95.9	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	84.2	94.6	95.6	96.0	96.8	96.9	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	85.2	95.0	96.4	96.7	97.6	97.7	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	85.2	95.3	96.8	97.0	97.9	98.1	98.1	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	85.2	95.3	96.8	97.1	98.0	98.3	98.4	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	85.2	95.3	96.8	97.2	98.2	98.6	99.0	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	85.2	95.3	96.8	97.2	98.2	98.6	99.0	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.2	95.3	96.8	97.2	98.2	98.6	99.0	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	85.2	95.3	96.8	97.2	98.2	98.6	99.0	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 9.00

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.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	58.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3
≥20000	65.7	67.3	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
≥18000	65.3	67.3	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
≥16000	65.9	67.7	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4
≥14000	66.7	68.4	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2
≥12000	67.3	69.1	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9
≥10000	68.4	70.4	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3
≥9000	68.9	70.8	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8
≥8000	70.1	72.2	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
≥7000	70.3	72.4	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6
≥6000	71.1	73.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3
≥5000	72.4	74.9	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0
≥4500	73.9	76.0	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7
≥4000	74.6	77.0	78.3	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8
≥3500	75.2	78.3	79.1	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.6
≥3000	77.0	80.2	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6
≥2500	78.2	82.3	83.2	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7
≥2000	79.4	84.4	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
≥1800	79.8	84.9	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4
≥1500	81.8	87.9	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.6	89.6
≥1200	82.4	89.4	90.7	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.8	91.8
≥1000	83.0	90.3	91.7	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	93.0	93.0
≥900	83.4	91.1	92.4	92.8	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.9	93.9
≥800	83.7	91.6	93.0	93.3	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.6	94.6
≥700	83.9	92.3	94.0	94.4	94.4	94.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	96.1	96.1
≥600	83.9	92.2	94.0	94.4	94.4	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	96.2	96.2
≥500	84.0	92.9	94.6	95.0	95.0	95.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.7	97.7
≥400	84.0	93.3	95.1	95.6	95.6	95.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	98.4	98.4
≥300	84.1	93.4	95.2	95.7	95.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.9	98.9
≥200	84.1	93.4	95.2	95.7	95.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	99.7	99.7
≥100	84.1	93.4	95.2	95.7	95.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	99.9	99.9
≥0	84.1	93.4	95.2	95.7	95.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 101-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

03402
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70.75-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11.51

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	40.5	47.9	43.0	45.1	45.3	40.3	48.3	49.4	44.4	48.4	42.4	40.4	40.4	40.4	48.5	48.5
≥ 20000	43.2	54.4	55.2	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7
≥ 18000	53.3	55.0	55.3	55.3	55.5	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
≥ 16000	53.3	55.1	55.4	55.4	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	53.9	55.6	55.9	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4
≥ 12000	54.5	56.3	56.6	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	56.5	58.6	59.0	59.1	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5
≥ 9000	56.8	59.0	59.3	59.4	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥ 8000	58.3	60.6	61.0	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5
≥ 7000	59.9	61.2	61.6	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1
≥ 6000	59.9	62.3	62.7	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2
≥ 5000	61.7	64.0	64.7	64.8	65.0	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	62.9	66.0	66.6	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4000	63.8	67.2	67.9	68.0	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
≥ 3500	65.0	68.5	69.2	69.4	69.7	69.7	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3000	66.5	70.3	71.0	71.2	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2500	67.9	72.5	73.2	73.4	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.1
≥ 2000	70.3	75.7	76.5	76.8	77.2	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5
≥ 1800	70.9	76.5	77.4	77.7	78.2	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 1500	73.3	79.8	81.0	81.3	81.9	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3
≥ 1200	75.3	83.4	84.9	85.3	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4
≥ 1000	76.1	85.1	86.9	87.5	88.3	88.4	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9
≥ 900	76.4	86.3	88.0	88.6	89.5	89.7	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.2	90.2
≥ 800	76.3	86.9	89.0	89.7	90.8	90.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5
≥ 700	77.1	87.6	90.1	90.8	92.1	92.4	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
≥ 600	77.2	88.3	91.1	91.9	93.3	93.8	94.1	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.7
≥ 500	77.4	88.9	91.8	92.7	94.4	95.0	95.4	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.3	96.3
≥ 400	77.5	89.1	92.0	93.0	94.8	95.6	96.3	96.7	96.9	97.1	97.2	97.2	97.2	97.3	97.3	97.4
≥ 300	77.6	89.2	92.1	93.2	95.1	96.0	96.8	97.3	97.6	97.6	98.0	98.2	98.2	98.3	98.3	98.4
≥ 200	77.6	89.2	92.2	93.2	95.2	96.1	97.0	97.6	98.0	98.5	98.8	98.8	98.8	99.0	99.2	99.3
≥ 100	77.6	89.2	92.2	93.2	95.2	96.1	97.0	97.6	98.0	98.5	98.8	98.9	99.0	99.4	99.6	99.9
≥ 0	77.6	89.2	92.2	93.2	95.2	96.1	97.0	97.6	98.0	98.5	98.8	98.9	99.0	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AFB TX (FORT HOOD)

67-71, 73-80

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	53.4	56.3	58.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥20000	58.7	61.5	61.6	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 18000	53.5	61.7	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 16000	54.5	61.7	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	53.6	61.8	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 12000	59.2	62.4	62.7	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	60.0	64.3	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 9000	60.9	64.4	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
IV 8000	61.3	64.9	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 7000	62.7	65.7	65.8	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 6000	62.6	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 5000	64.7	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 4500	64.4	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 4000	65.3	70.3	70.5	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 3500	66.0	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 3000	68.2	73.2	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2500	70.6	75.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 2000	73.2	79.0	79.6	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 1800	74.6	80.6	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1500	77.4	84.1	84.6	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 1200	79.6	87.6	88.2	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 1000	81.2	90.2	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 900	81.5	90.9	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
IV 800	82.7	92.4	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	82.8	93.3	93.9	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 600	83.6	95.2	95.7	96.1	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 500	83.9	95.5	96.0	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	84.0	95.6	96.1	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
IV 300	84.0	95.6	96.1	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	84.7	95.6	96.1	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
IV 100	84.7	95.6	96.1	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
IV 0	84.0	95.6	96.1	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

TOTAL NUMBER OF OBSERVATIONS

976

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (EST)

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	45.1	48.4	49.7	49.5	50.1	50.1	50.1	50.2	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.9
≥ 20000	47.8	51.3	51.9	52.4	53.0	53.0	53.0	53.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.8
≥ 18000	47.8	51.3	51.9	52.4	53.0	53.0	53.0	53.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.8
≥ 16000	47.8	51.3	51.9	52.4	53.0	53.0	53.0	53.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.8
≥ 14000	48.0	51.4	52.0	52.5	53.1	53.1	53.1	53.2	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.9
≥ 12000	48.8	52.4	53.0	53.4	54.1	54.1	54.1	54.2	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.8
≥ 10000	50.4	54.5	55.2	55.6	56.2	56.2	56.2	56.3	56.3	56.6	56.7	56.7	56.7	56.7	56.7	57.0
≥ 9000	50.6	54.7	55.4	55.8	56.5	56.5	56.5	56.6	56.6	56.8	56.9	56.9	56.9	56.9	56.9	57.2
≥ 8000	51.4	55.5	56.2	56.7	57.3	57.3	57.3	57.4	57.4	57.6	57.7	57.7	57.7	57.7	57.7	58.1
≥ 7000	52.0	56.1	56.9	57.3	58.0	58.0	58.0	58.1	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.7
≥ 6000	52.5	56.6	57.5	58.0	58.6	58.6	58.6	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.4
≥ 5000	53.7	58.2	58.9	59.4	60.0	60.0	60.0	60.1	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.8
≥ 4500	54.6	59.4	60.1	60.5	61.2	61.2	61.2	61.3	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.9
≥ 4000	55.7	60.4	61.2	61.6	62.3	62.3	62.3	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7	63.0
≥ 3500	56.3	61.3	62.0	62.5	63.1	63.1	63.1	63.2	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.9
≥ 3000	57.1	62.4	63.1	63.5	64.3	64.3	64.3	64.4	64.4	64.6	64.7	64.7	64.7	64.7	64.7	65.1
≥ 2500	58.7	64.4	65.7	65.6	66.3	66.3	66.3	66.5	66.5	66.7	66.8	66.8	66.8	66.8	66.8	67.1
≥ 2000	61.2	67.6	68.6	69.2	70.1	70.1	70.1	70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.9
≥ 1800	61.8	68.5	69.7	70.1	71.0	71.0	71.0	71.1	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.7
≥ 1500	66.0	73.5	74.9	75.5	76.5	76.5	76.5	76.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.3
≥ 1200	68.8	77.2	78.8	79.5	80.4	80.4	80.4	80.6	80.6	80.9	81.0	81.0	81.0	81.0	81.0	81.3
≥ 1000	70.9	80.1	81.8	82.5	83.4	83.4	83.4	83.7	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.3
≥ 900	72.0	82.5	84.4	85.2	86.1	86.1	86.1	86.3	86.3	86.6	86.7	86.7	86.7	86.7	86.7	87.0
≥ 800	73.0	84.8	86.8	87.6	88.7	88.7	88.7	88.9	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.6
≥ 700	73.2	85.8	88.0	89.1	90.5	90.5	90.5	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.4
≥ 600	74.0	87.5	89.8	91.2	92.9	92.9	92.9	93.1	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.8
≥ 500	74.3	88.3	91.0	92.6	94.4	94.4	94.4	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	95.3
≥ 400	74.5	88.9	91.9	94.0	96.0	96.0	96.0	96.3	96.3	96.6	96.8	96.8	96.8	96.8	96.8	97.1
≥ 300	74.5	89.1	92.2	94.3	96.5	96.6	96.8	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	98.2
≥ 200	74.5	89.1	92.2	94.4	96.6	96.8	97.0	97.7	97.8	98.1	98.3	98.3	98.3	98.3	98.4	99.1
≥ 100	74.5	89.1	92.2	94.4	96.6	96.8	97.1	97.8	98.0	98.2	98.5	98.5	98.5	98.6	98.6	99.9
≥ 0	74.5	89.1	92.2	94.4	96.6	96.8	97.1	97.8	98.0	98.2	98.5	98.5	98.6	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	30.5	35.2	36.9	37.3	37.7	38.1	38.4	38.4	38.4	38.6	38.7	38.7	38.7	38.8	38.9	39.0
≥ 20000	34.2	39.8	41.6	42.0	42.5	42.8	43.1	43.1	43.1	43.3	43.4	43.4	43.4	43.5	43.7	44.0
≥ 18000	34.2	39.9	41.8	42.3	42.7	43.0	43.3	43.3	43.3	43.5	43.7	43.7	43.7	43.8	43.9	44.2
≥ 16000	34.2	39.9	41.8	42.3	42.7	43.0	43.3	43.3	43.3	43.5	43.7	43.7	43.7	43.8	43.9	44.2
≥ 14000	34.8	40.6	42.6	43.0	43.4	43.8	44.1	44.1	44.1	44.3	44.4	44.4	44.4	44.5	44.6	44.9
≥ 12000	35.6	41.7	43.7	44.2	44.6	44.9	45.3	45.3	45.3	45.5	45.6	45.6	45.6	45.7	45.8	46.1
≥ 10000	37.4	43.9	45.8	46.3	46.9	47.2	47.5	47.5	47.5	47.7	47.8	47.8	47.8	48.0	48.1	48.4
≥ 9000	37.8	44.3	46.2	46.8	47.3	47.6	48.0	48.0	48.0	48.2	48.3	48.3	48.3	48.4	48.5	48.8
≥ 8000	38.8	45.3	47.3	47.8	48.4	48.7	49.0	49.0	49.0	49.2	49.4	49.4	49.4	49.5	49.6	49.9
≥ 7000	38.9	45.5	47.6	48.2	48.7	49.0	49.4	49.4	49.4	49.6	49.7	49.7	49.7	49.8	49.9	50.2
≥ 6000	39.7	46.2	48.5	49.0	49.6	49.9	50.2	50.2	50.2	50.4	50.5	50.5	50.5	50.6	50.8	51.1
≥ 5000	41.0	47.7	50.0	50.5	51.2	51.5	51.9	51.9	51.9	52.2	52.3	52.3	52.3	52.4	52.5	52.8
≥ 4500	42.0	49.1	51.4	51.9	52.6	52.9	53.3	53.3	53.3	53.5	53.7	53.7	53.7	53.8	53.9	54.2
≥ 4000	42.5	49.6	51.8	52.4	53.0	53.3	53.8	53.8	53.8	54.0	54.1	54.1	54.1	54.2	54.3	54.6
≥ 3500	43.7	50.9	53.1	53.8	54.4	54.8	55.3	55.3	55.3	55.5	55.6	55.6	55.6	55.7	55.8	56.1
≥ 3000	45.6	53.3	55.8	56.6	57.2	57.6	58.1	58.1	58.1	58.3	58.4	58.4	58.4	58.5	58.6	58.9
≥ 2500	47.7	56.5	59.1	59.9	60.6	61.1	61.5	61.5	61.5	61.7	61.8	61.8	61.8	61.9	62.0	62.4
≥ 2000	49.8	59.4	62.0	62.9	63.7	64.1	64.5	64.5	64.5	64.7	64.8	64.8	64.8	64.9	65.1	65.4
≥ 1800	50.4	60.2	62.9	63.8	64.5	64.9	65.4	65.4	65.4	65.6	65.7	65.7	65.7	65.8	65.9	66.2
≥ 1500	53.3	64.4	67.6	68.6	69.6	70.0	70.4	70.4	70.4	70.6	70.8	70.8	70.8	70.9	71.0	71.3
≥ 1200	55.8	69.2	72.7	73.7	74.9	75.5	75.9	75.9	75.9	76.1	76.2	76.2	76.2	76.3	76.5	76.8
≥ 1000	57.8	72.6	76.5	77.5	78.9	79.5	80.0	80.1	80.1	80.3	80.4	80.4	80.4	80.5	80.6	81.0
≥ 900	58.5	74.5	78.7	79.9	81.4	81.9	82.6	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.2	83.5
≥ 800	58.9	75.9	80.4	81.7	83.3	83.9	84.5	84.6	84.6	84.9	85.1	85.1	85.1	85.2	85.3	85.6
≥ 700	59.7	78.6	83.1	84.4	86.2	86.8	87.4	87.5	87.5	87.8	88.0	88.0	88.0	88.1	88.2	88.5
≥ 600	60.2	79.5	84.3	86.0	88.4	88.9	90.1	90.2	90.3	90.6	90.8	90.8	90.8	90.9	91.0	91.3
≥ 500	60.8	80.2	85.3	87.7	91.0	91.5	92.8	93.0	93.2	93.5	93.7	93.7	93.8	93.9	94.0	94.3
≥ 400	60.8	80.3	85.9	89.0	92.3	92.9	94.2	94.4	94.6	95.1	95.3	95.3	95.4	95.5	95.6	95.9
≥ 300	60.8	80.5	86.5	89.6	93.1	93.8	95.4	96.3	96.6	97.3	97.7	97.7	97.8	98.0	98.1	98.4
≥ 200	60.8	80.5	86.5	89.6	93.1	93.8	95.5	96.5	96.7	97.5	98.1	98.1	98.4	98.6	98.7	99.0
≥ 100	60.8	80.5	86.5	89.6	93.1	93.9	95.6	96.6	96.8	97.7	98.3	98.3	98.6	98.8	99.1	99.8
≥ 0	60.8	80.5	86.5	89.6	93.1	93.9	95.6	96.6	96.8	97.7	98.3	98.3	98.6	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

C90C-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.10	≥0	≥0
NO CEILING	38.1	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9	39.9
≥20000	42.5	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1
IV 18000	42.5	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1
IV 16000	42.5	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1
IV 14000	43.3	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0
IV 12000	45.3	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2
IV 10000	49.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
IV 9000	49.5	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6
IV 8000	50.3	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4
IV 7000	51.1	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3
IV 6000	51.8	54.9	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3
IV 5000	53.8	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2
IV 4500	54.9	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7
IV 4000	55.5	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
IV 3500	57.8	62.0	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5
IV 3000	62.0	66.7	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1
IV 2500	67.2	72.7	72.8	72.9	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
IV 2000	70.8	77.3	77.5	77.6	77.7	77.7	78.0	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
IV 1800	72.0	79.1	79.5	79.6	79.7	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
IV 1500	76.6	85.5	85.9	86.1	86.2	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7
IV 1200	77.7	88.4	89.0	89.1	89.7	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1
IV 1000	79.0	91.1	91.9	92.5	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3
IV 900	79.0	91.5	92.4	92.9	93.3	93.3	93.5	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
IV 800	79.2	92.3	93.2	93.8	94.3	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
IV 700	79.2	92.9	94.1	94.6	95.3	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8
IV 600	79.4	93.2	94.7	95.3	95.9	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5
IV 500	79.4	93.8	95.4	96.3	96.9	96.9	97.3	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IV 400	79.4	93.8	95.4	96.2	97.3	97.4	97.8	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 300	79.4	93.8	95.4	96.2	97.4	97.6	98.3	98.6	98.8	99.1	99.2	99.2	99.4	99.4	99.4	99.4
IV 200	79.4	93.8	95.4	96.2	97.4	97.6	98.3	98.6	98.8	99.2	99.4	99.6	99.7	99.7	99.7	99.7
IV 100	79.4	93.8	95.4	96.2	97.4	97.6	98.3	98.6	98.8	99.2	99.4	99.6	99.7	99.9	99.9	100.0
IV 0	79.4	93.8	95.4	96.2	97.4	97.6	98.3	98.6	98.8	99.2	99.4	99.6	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

C3902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	42.8 50.0	44.3 51.7	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8	44.4 51.8
IV 18000 IV 16000	50.1 50.1	51.8 51.8	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9	51.9 51.9
IV 14000 IV 12000	51.0 52.7	52.8 54.6	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7	52.9 54.7
IV 10000 IV 9000	56.6 56.6	58.7 58.7	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8	58.8 58.8
IV 8000 IV 7000	58.6 59.2	60.9 61.5	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6	61.0 61.6
IV 6000 IV 5000	59.9 61.5	62.2 64.0	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1	62.3 64.1
IV 4500 IV 4000	63.4 66.2	66.1 70.0	66.3 70.3	66.3 70.3	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4	66.3 70.4
IV 3500 IV 3000	70.1 77.8	74.4 83.3	74.7 83.7	74.7 83.9	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0	74.8 84.0
IV 2500 IV 2000	81.7 83.7	87.8 91.2	88.2 91.6	88.4 92.0	88.5 92.2	88.5 92.2	88.5 92.2	88.5 92.2	88.5 92.2	88.5 92.3	88.5 92.3	88.5 92.3	88.5 92.3	88.5 92.3	88.5 92.3	88.5 92.3
IV 1800 IV 1500	83.9 85.4	91.7 94.4	92.2 95.1	92.6 95.6	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.1	92.7 96.1	92.8 96.2	92.8 96.2	92.8 96.2	92.8 96.2	92.8 96.2	92.8 96.2	92.8 96.2
IV 1200 IV 1000	85.9 86.0	95.7 96.0	96.3 97.0	97.2 97.8	97.6 98.3	97.6 98.3	97.6 98.4	97.7 98.4	97.7 98.4	97.8 98.5	98.0 98.6	98.0 98.6	98.0 98.6	98.0 98.6	98.0 98.6	98.0 98.6
IV 900 IV 800	86.1 86.1	96.1 96.2	97.1 97.2	98.0 98.1	98.4 98.5	98.4 98.5	98.4 98.5	98.5 98.7	98.5 98.7	98.6 98.8	98.7 98.9	98.7 98.9	98.7 98.9	98.7 98.9	98.7 98.9	98.7 98.9
IV 700 IV 600	86.1 86.1	96.3 96.3	97.2 97.3	98.2 98.2	98.6 98.7	98.6 98.7	98.6 98.7	98.8 98.9	98.8 98.9	98.9 99.1	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2	99.0 99.2
IV 500 IV 400	86.1 86.1	96.3 96.5	97.3 97.4	98.2 98.3	98.8 99.0	98.8 99.0	99.0 99.2	99.2 99.5	99.2 99.5	99.5 99.7	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8
IV 300 IV 200	86.1 86.1	96.5 96.5	97.4 97.4	98.4 98.4	99.1 99.1	99.1 99.1	99.4 99.4	99.6 99.6	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	86.1 86.1	96.5 96.5	97.4 97.4	98.4 98.4	99.1 99.1	99.1 99.1	99.4 99.4	99.6 99.6	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	53.0	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	62.3	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	62.3	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV N 16000	62.3	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	62.5	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV N 12000	64.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV N 10000	68.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV N 9000	68.2	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	69.5	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV N 7000	70.1	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 6000	71.5	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV N 5000	73.4	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	76.0	76.0
≥ 4500	75.3	77.6	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV N 4000	77.3	79.6	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
≥ 3500	80.4	83.7	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV N 3000	85.5	89.2	89.7	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	87.4	92.5	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV N 2000	87.7	93.8	94.7	95.1	95.3	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	87.7	93.9	94.9	95.3	95.5	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV N 1500	87.8	95.1	96.3	96.8	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	87.8	95.5	96.9	97.3	97.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV N 1000	87.8	95.8	97.2	97.6	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 900	87.8	95.9	97.3	97.7	98.2	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
IV N 800	87.8	96.1	97.5	98.0	98.4	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 700	87.8	96.1	97.5	98.1	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
IV N 600	87.8	96.2	97.7	98.3	98.7	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 500	87.8	96.2	97.7	98.3	98.8	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV N 400	87.8	96.2	97.7	98.3	98.8	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300	87.8	96.2	97.8	98.4	99.0	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV N 200	87.8	96.2	97.8	98.4	99.0	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	87.8	96.2	97.8	98.4	99.0	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV N 0	87.8	96.2	97.8	98.4	99.0	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	57.1	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	65.2	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	65.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 16000	65.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 14000	65.9	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 12000	67.7	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 10000	72.0	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 9000	72.0	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 8000	73.5	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 7000	74.4	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000	75.5	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 5000	77.6	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
IV 4500	79.1	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	80.9	85.7	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
IV 3500	83.4	88.3	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	85.5	90.8	91.4	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	86.5	92.0	92.9	92.9	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	87.0	92.7	93.7	93.7	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	87.1	92.8	93.8	93.8	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	87.4	93.7	94.7	94.7	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1200	87.4	94.1	95.3	95.3	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	87.5	94.7	96.0	96.2	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	87.7	95.1	96.3	96.6	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 800	87.8	95.3	96.6	96.9	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	88.1	95.6	97.1	97.4	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	88.4	96.0	97.6	98.0	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	88.4	96.0	97.6	98.0	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	88.4	96.0	97.6	98.0	98.7	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	88.4	96.0	97.6	98.0	98.7	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	88.4	96.0	97.6	98.0	98.7	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	88.4	96.0	97.6	98.0	98.7	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	88.4	96.0	97.6	98.0	98.7	98.9	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 101-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥¼
NO CEILING	64.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 20000	71.1	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	73.3
IV 18000	71.1	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	73.3
IV 16000	71.1	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	73.3
IV 14000	71.3	73.3	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
IV 12000	72.8	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 10000	74.8	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	77.2	77.2
IV 9000	74.8	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	77.2	77.2
IV 8000	75.4	77.5	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 7000	76.0	78.2	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	76.8	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 5000	78.2	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4500	79.0	82.0	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 4000	80.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3500	81.7	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
IV 3000	82.9	87.2	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 2500	84.5	89.0	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 2000	86.7	91.5	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 1800	87.2	92.0	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	88.1	93.8	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
IV 1200	88.7	94.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	89.2	95.4	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
IV 900	89.5	95.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	89.8	96.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 700	89.8	96.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
IV 600	90.0	96.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
IV 500	90.0	97.2	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
IV 400	90.0	97.2	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
IV 300	90.0	97.2	98.9	99.1	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 200	90.0	97.2	98.9	99.1	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	90.0	97.2	98.9	99.1	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	90.0	97.2	98.9	99.1	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 11.5.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	48.1	50.4	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.3	51.3	51.3
≥ 20000	53.9	56.6	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.6
≥ 18000	54.0	56.7	57.1	57.2	57.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.7
≥ 16000	54.0	56.7	57.1	57.2	57.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.7
≥ 14000	54.4	57.2	57.6	57.7	57.9	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.2
≥ 12000	55.8	58.8	59.2	59.3	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.8
≥ 10000	58.7	61.9	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
≥ 9000	58.8	62.1	62.4	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.1
≥ 8000	59.9	63.2	63.7	63.8	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3
≥ 7000	60.5	63.9	64.3	64.5	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.9	64.9	65.0
≥ 6000	61.3	64.8	65.2	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.9
≥ 5000	63.0	66.7	67.2	67.4	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9
≥ 4500	64.2	68.2	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.3	69.4
≥ 4000	65.5	69.9	70.5	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.2
≥ 3500	67.5	72.3	72.8	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6
≥ 3000	70.6	75.8	76.5	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.4
≥ 2500	73.1	78.9	79.7	80.0	80.2	80.2	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6
≥ 2000	75.0	81.6	82.5	82.8	83.1	83.2	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.6
≥ 1800	75.6	82.4	83.4	83.7	84.0	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥ 1500	77.8	85.6	86.7	87.1	87.5	87.6	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.1
≥ 1200	79.0	87.8	89.1	89.5	90.0	90.1	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.6
≥ 1000	80.0	89.5	91.0	91.5	92.0	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.5	92.5	92.6
≥ 900	80.3	90.3	91.8	92.4	92.9	93.0	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.5
≥ 800	80.7	91.2	92.8	93.4	93.9	94.0	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.7
≥ 700	80.8	91.9	93.6	94.3	95.0	95.1	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.6	95.6	95.7
≥ 600	81.2	92.6	94.4	95.2	96.0	96.1	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.9
≥ 500	81.3	92.9	94.9	95.8	96.8	96.9	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
≥ 400	81.4	93.1	95.1	96.2	97.2	97.4	97.8	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.5
≥ 300	81.4	93.1	95.2	96.4	97.5	97.7	98.3	98.8	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.3
≥ 200	81.4	93.1	95.2	96.4	97.5	97.8	98.4	98.9	99.0	99.2	99.3	99.4	99.4	99.4	99.5	99.7
≥ 100	81.4	93.1	95.2	96.4	97.5	97.8	98.5	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.6	100.0
≥ 0	81.4	93.1	95.2	96.4	97.5	97.8	98.5	98.9	99.0	99.3	99.4	99.4	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

7440

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOSA CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	71.4	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥20000	75.0	77.7	78.0	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
≥18000	75.0	77.7	78.0	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
≥16000	75.0	77.7	78.0	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
≥14000	75.2	77.9	78.2	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
≥12000	76.0	78.7	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
≥10000	77.7	80.4	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
≥9000	77.8	80.6	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥8000	79.1	81.9	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
≥7000	79.1	81.9	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
≥6000	79.3	82.1	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥5000	79.8	82.6	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
≥4500	80.2	83.1	83.4	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	81.1	84.0	84.3	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
≥3500	81.8	84.7	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
≥3000	82.2	85.3	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥2500	83.3	86.4	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥2000	85.4	89.0	89.4	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥1800	86.2	89.9	90.3	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥1500	89.1	93.7	94.1	94.6	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥1200	91.6	96.2	96.8	97.2	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥1000	91.9	96.6	97.1	97.6	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥900	92.3	97.0	97.6	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥800	92.6	97.3	97.9	98.3	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥700	92.6	97.3	97.9	98.3	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥600	92.9	97.9	98.4	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥500	93.0	98.1	98.7	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥400	93.3	98.6	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	93.3	98.6	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	93.3	98.6	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	93.3	98.6	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	93.3	98.6	99.1	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 960

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-90
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅓	≥ ⅒	≥ 0
NO CEILING	57.9	61.8	62.2	62.7	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2
≥ 20000	61.1	65.7	66.3	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 18000	61.2	65.8	66.4	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 16000	61.2	65.8	66.4	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 14000	61.3	65.9	66.6	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6
≥ 12000	61.7	66.3	67.0	67.4	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0
≥ 10000	63.0	67.8	68.4	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4
≥ 9000	63.0	67.8	68.4	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4
≥ 8000	64.1	69.4	70.1	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1
≥ 7000	64.8	70.3	71.0	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0
≥ 6000	65.1	70.9	71.6	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6
≥ 5000	65.7	71.4	72.1	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
≥ 4500	66.4	72.3	73.0	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0
≥ 4000	67.1	73.1	73.8	74.2	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8
≥ 3500	67.9	73.9	74.6	75.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6
≥ 3000	69.1	75.8	76.4	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4
≥ 2500	71.6	78.0	79.4	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6
≥ 2000	73.7	81.6	82.3	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.6	83.6
≥ 1800	75.1	83.0	83.8	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0
≥ 1500	78.4	87.2	88.0	88.6	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2
≥ 1200	81.0	90.6	91.3	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6	92.6
≥ 1000	82.3	92.1	92.9	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1
≥ 900	83.0	92.8	93.6	94.1	94.4	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0
≥ 800	83.4	93.2	94.0	94.6	94.9	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6
≥ 700	84.4	94.6	95.4	96.0	96.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 600	84.6	94.8	95.8	96.3	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
≥ 500	84.9	95.2	96.2	96.9	97.2	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥ 400	85.0	95.7	96.7	97.6	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 300	85.0	95.8	97.4	98.4	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 200	85.0	95.8	97.4	98.4	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	85.0	95.8	97.4	98.4	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	85.0	95.8	97.4	98.4	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03962

ROBERT GRAY AAF TX (FORT HOOB)

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	44.6	51.0	51.7	52.2	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	53.2
≥20000	51.0	58.6	59.3	59.9	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.7	61.1
≥18000	51.0	58.6	59.3	59.9	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.7	61.1
≥16000	51.1	58.7	59.4	60.0	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.8	61.2
≥14000	51.2	58.8	59.6	60.1	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.9	61.3
≥12000	52.6	60.1	60.9	61.4	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.2	62.7
≥10000	54.2	62.4	63.2	64.0	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.8	64.9	65.3
≥9000	54.2	62.4	63.2	64.0	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.8	64.9	65.3
≥8000	56.2	64.4	65.2	66.0	66.3	66.4	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8	66.9	67.3
≥7000	56.7	65.1	65.9	66.7	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.4	67.6	68.0
≥6000	57.0	65.8	66.8	67.6	67.9	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.4	68.9
≥5000	58.7	67.6	68.7	69.4	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.4	70.9
≥4500	58.9	67.9	69.0	69.8	70.3	70.4	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.9	71.3
≥4000	59.8	69.0	70.1	70.9	71.4	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.9	72.0	72.4
≥3500	61.1	70.3	71.4	72.2	72.8	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.3	73.8
≥3000	62.2	71.6	72.7	73.4	74.1	74.2	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.6	74.7	75.1
≥2500	65.0	74.6	75.8	76.6	77.2	77.3	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.7	77.8	78.2
≥2000	69.0	79.7	80.9	81.7	82.3	82.4	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.8	82.9	83.3
≥1800	69.9	80.8	82.0	82.8	83.4	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.9	84.0	84.4
≥1500	73.4	85.1	86.4	87.2	88.0	88.1	88.2	88.2	88.2	88.2	88.3	88.4	88.4	88.6	88.7	89.1
≥1200	75.2	87.9	89.3	90.2	91.1	91.2	91.3	91.3	91.3	91.4	91.6	91.6	91.6	91.7	91.8	92.2
≥1000	75.7	89.1	90.7	91.6	92.4	92.6	92.7	92.7	92.7	92.8	92.9	92.9	92.9	93.0	93.1	93.6
≥900	76.0	89.9	91.7	92.6	93.4	93.6	93.7	93.7	93.7	93.8	93.9	93.9	93.9	94.0	94.1	94.6
≥800	76.3	90.7	92.4	93.3	94.2	94.3	94.4	94.4	94.4	94.6	94.7	94.7	94.7	94.8	94.9	95.3
≥700	76.8	91.4	93.2	94.1	95.0	95.1	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.6	95.7	96.1
≥600	76.9	91.9	93.7	94.6	95.4	95.6	95.7	95.7	95.7	95.8	95.9	95.9	95.9	96.0	96.1	96.6
≥500	77.0	92.2	94.2	95.4	96.3	96.4	96.6	96.6	96.6	96.7	96.8	96.8	96.8	96.9	97.0	97.4
≥400	77.4	93.0	95.0	96.4	97.4	97.6	97.7	97.7	97.7	97.8	97.9	97.9	97.9	98.0	98.1	98.6
≥300	77.4	93.3	95.4	97.0	98.1	98.2	98.3	98.4	98.4	98.7	98.8	98.8	98.8	99.0	99.1	99.6
≥200	77.4	93.3	95.4	97.1	98.2	98.3	98.6	98.7	98.7	99.0	99.2	99.2	99.2	99.4	99.6	100.0
≥100	77.4	93.3	95.4	97.1	98.2	98.3	98.6	98.7	98.7	99.0	99.2	99.2	99.2	99.4	99.6	100.0
≥0	77.4	93.3	95.4	97.1	98.2	98.3	98.6	98.7	98.7	99.0	99.2	99.2	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥.	≥0
NO CEILING	57.3	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	65.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	65.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 15000	65.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000	65.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 12000	67.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 10000	69.8	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	72.3
≥ 9000	69.8	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	72.3
≥ 8000	71.0	73.4	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
≥ 7000	71.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000	72.0	74.7	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
≥ 5000	74.1	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	77.2	77.2
≥ 4500	74.4	77.3	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
≥ 4000	75.6	78.7	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
≥ 3500	78.4	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	81.7	85.2	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	86.4	90.1	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000	89.2	93.3	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	89.6	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	91.1	96.1	96.3	96.4	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	92.1	97.3	97.6	97.7	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	92.8	98.2	98.4	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	92.9	98.7	98.9	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	92.9	98.8	99.0	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	92.9	99.1	99.3	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.9	99.2	99.4	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	92.9	99.2	99.4	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	93.0	99.3	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.0	99.3	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.0	99.3	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.0	99.3	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.0	99.3	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOB)
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥0
NO CEILING	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	70.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	75.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 9000	75.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 8000	77.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 7000	78.1	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
≥ 6000	79.0	80.2	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
≥ 5000	81.1	82.4	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
≥ 4500	83.0	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
≥ 4000	86.8	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	88.7
≥ 3500	90.1	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	93.4	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	95.7
≥ 2500	95.6	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	97.9	97.9
≥ 2000	96.1	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
≥ 1800	96.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	96.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	96.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	96.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	96.7	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
≥ 800	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 980

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥.	≥0
NO CEILING	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 20000	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 18000	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 12000	82.3	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
≥ 10000	84.9	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
≥ 9000	84.9	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
≥ 8000	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	87.3	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
≥ 6000	87.9	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
≥ 5000	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4500	91.1	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	92.1
≥ 4000	93.3	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	94.4	94.4
≥ 3500	96.2	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	97.3
≥ 3000	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2500	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000	97.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	98.0	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	99.4	99.4
≥ 1000	98.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	98.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	98.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	98.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	77.4	78.3	79.3	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
≥ 20000	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 18000	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 12000	87.1	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	88.1	88.1
≥ 10000	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 9000	90.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 8000	91.7	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
≥ 7000	92.7	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
≥ 6000	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 5000	93.9	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	95.1	95.1
≥ 4500	94.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	96.3	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	97.6	97.6
≥ 3500	96.8	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
≥ 3000	97.3	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
≥ 2500	97.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	97.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	97.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.0	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
≥ 1200	98.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	98.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	98.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.2	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 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS UT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	80.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 20000	85.9	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
≥ 18000	86.1	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
≥ 16000	86.1	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
≥ 14000	86.1	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
≥ 12000	86.7	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
≥ 10000	89.1	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	90.6
≥ 9000	89.1	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	90.6
≥ 8000	90.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 7000	90.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 6000	91.0	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
≥ 5000	91.1	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
≥ 4500	91.6	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	93.5
≥ 4000	93.0	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
≥ 3500	93.1	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
≥ 3000	93.9	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2500	94.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	95.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	95.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	96.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	96.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	97.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	97.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	97.1	99.3	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
≥ 700	97.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	97.4	99.7	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
≥ 500	97.4	99.7	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
≥ 400	97.4	99.7	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
≥ 300	97.4	99.7	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
≥ 200	97.4	99.7	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	97.4	99.7	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
≥ 0	97.4	99.7	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

TOTAL NUMBER OF OBSERVATIONS

898

CEILING VERSUS VISIBILITY

JUN

ALL
HOURS IS ST

[illegible]TOTAL NUMBER OF OBSERVATIONS 7198

U.S.A.F. E.A. FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	80.5	82.1	82.4	82.7	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 20000	83.8	86.2	86.7	87.2	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 18000	83.8	86.2	86.7	87.2	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 16000	83.8	86.2	86.7	87.2	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 14000	84.1	86.5	87.1	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 12000	85.2	87.6	88.1	88.6	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 10000	88.2	91.2	91.7	92.1	92.2	92.6	92.8	92.8	92.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 9000	88.7	91.6	92.1	92.6	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 8000	89.0	91.9	92.4	92.9	93.0	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 7000	89.6	92.7	93.2	93.6	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 6000	89.6	92.8	93.3	93.7	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 5000	90.0	93.5	94.2	94.6	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4500	90.3	93.9	94.5	94.9	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 4000	90.7	94.3	94.9	95.4	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	91.2	94.8	95.5	95.9	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	91.6	95.5	96.3	96.8	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	91.7	95.6	96.4	96.9	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	92.0	95.9	96.8	97.2	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	92.1	96.0	96.9	97.3	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	92.3	96.2	97.2	97.6	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	92.6	96.4	97.4	97.8	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	92.7	96.8	97.7	98.2	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	92.7	96.8	97.7	98.2	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	92.9	97.0	98.0	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	93.0	97.1	98.1	98.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	93.0	97.1	98.1	98.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	93.0	97.3	98.3	98.7	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	93.1	97.6	98.6	99.0	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.1	97.6	98.6	99.0	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.1	97.6	98.6	99.0	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.1	97.6	98.6	99.0	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.1	97.6	98.6	99.0	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅔	≥0
NO CEILING	76.9	79.5	79.8	79.9	80.0	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 20000	79.6	82.5	82.8	83.0	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 18000	79.6	82.5	82.8	83.0	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 16000	79.6	82.5	82.8	83.0	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 14000	79.7	82.6	83.0	83.1	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 12000	81.4	84.4	84.7	84.8	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 10000	84.5	87.8	88.1	88.2	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 9000	84.8	88.1	88.5	88.6	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000	86.3	89.6	90.0	90.1	90.3	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 7000	87.2	90.9	91.3	91.4	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 6000	87.2	90.9	91.3	91.4	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 5000	87.4	91.2	91.6	91.7	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4500	87.6	91.4	91.8	92.0	92.2	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	88.1	92.0	92.6	92.9	93.1	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3500	88.5	92.3	92.9	93.2	93.4	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	88.6	92.4	93.0	93.3	93.6	93.7	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	88.7	92.6	93.1	93.4	93.7	93.9	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	89.4	93.9	94.5	94.8	95.1	95.3	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	89.5	94.0	94.6	94.9	95.3	95.4	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	89.9	94.6	95.3	95.6	95.9	96.0	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	90.2	94.9	95.6	95.9	96.3	96.4	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	90.2	94.9	95.7	96.0	96.5	96.7	96.9	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	90.2	94.9	95.7	96.0	96.5	96.7	96.9	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	90.4	95.3	96.0	96.3	96.9	97.0	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	90.4	95.3	96.0	96.3	96.9	97.0	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	90.4	95.4	96.3	96.7	97.2	97.3	97.5	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	90.5	95.7	96.7	97.0	97.5	97.6	97.8	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	90.7	96.2	97.2	97.5	98.1	98.2	98.4	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	90.7	96.2	97.2	97.5	98.2	98.3	98.5	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	90.7	96.2	97.2	97.5	98.2	98.3	98.5	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	90.7	96.2	97.2	97.5	98.2	98.3	98.5	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	90.7	96.2	97.2	97.5	98.2	98.3	98.5	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FROM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS IN 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.1	≥0
NO CEILING	65.2	69.4	69.8	70.0	70.3	70.3	70.6	70.6	71.0	71.0	71.1	71.1	71.2	71.2	71.3	71.3
≥ 20000	69.9	74.1	74.8	75.1	75.4	75.4	75.7	75.7	76.0	76.0	76.1	76.1	76.2	76.2	76.3	76.3
≥ 18000	69.9	74.1	74.8	75.1	75.4	75.4	75.7	75.7	76.0	76.0	76.1	76.1	76.2	76.2	76.3	76.3
W 16000	69.9	74.1	74.8	75.1	75.4	75.4	75.7	75.7	76.0	76.0	76.1	76.1	76.2	76.2	76.3	76.3
W 14000	70.5	74.7	75.5	75.7	76.0	76.0	76.3	76.3	76.7	76.7	76.8	76.8	76.9	76.9	77.0	77.0
W 12000	73.8	78.1	78.8	79.0	79.4	79.4	79.8	79.8	80.1	80.1	80.2	80.2	80.3	80.3	80.4	80.4
W 10000	76.7	81.2	82.0	82.4	82.8	82.8	83.2	83.2	83.5	83.7	83.8	83.8	83.9	83.9	84.0	84.0
W 9000	76.1	81.3	82.2	82.5	82.9	82.9	83.3	83.3	83.7	83.8	83.9	83.9	84.0	84.0	84.1	84.1
W 8000	78.3	83.9	84.7	85.1	85.6	85.6	86.0	86.0	86.3	86.5	86.7	86.7	86.8	86.8	86.9	86.9
W 7000	78.7	84.3	85.6	85.9	86.5	86.5	86.9	86.9	87.2	87.3	87.5	87.5	87.6	87.6	87.7	87.7
W 6000	78.8	84.4	85.7	86.0	86.6	86.6	87.0	87.0	87.3	87.4	87.6	87.6	87.7	87.7	87.8	87.8
W 5000	79.4	84.9	86.2	86.6	87.1	87.1	87.5	87.5	87.8	88.0	88.2	88.2	88.3	88.3	88.4	88.4
W 4500	79.7	85.3	86.6	86.9	87.4	87.4	87.8	87.8	88.2	88.3	88.5	88.5	88.6	88.6	88.7	88.7
W 4000	80.0	85.7	87.0	87.3	87.8	87.8	88.3	88.3	88.6	88.7	88.9	88.9	89.0	89.0	89.1	89.1
W 3500	80.3	86.0	87.3	87.6	88.3	88.3	88.7	88.7	89.0	89.1	89.4	89.4	89.5	89.5	89.6	89.6
W 3000	80.6	86.7	88.0	88.3	89.0	89.0	89.5	89.5	89.8	89.9	90.1	90.1	90.2	90.2	90.3	90.3
W 2500	81.0	87.1	88.4	88.7	89.5	89.5	89.9	89.9	90.2	90.3	90.5	90.5	90.6	90.6	90.8	90.8
W 2000	81.6	88.1	89.4	89.7	90.4	90.4	90.9	90.9	91.3	91.4	91.6	91.6	91.7	91.7	91.8	91.8
W 1800	81.6	88.1	89.4	89.7	90.5	90.5	91.0	91.0	91.4	91.5	91.7	91.7	91.8	91.8	91.9	91.9
W 1500	82.8	89.8	91.2	91.5	92.5	92.5	92.9	92.9	93.3	93.4	93.7	93.7	93.8	93.8	93.9	93.9
W 1200	83.3	90.8	92.3	92.6	93.7	93.7	94.3	94.3	94.7	94.8	95.1	95.1	95.2	95.2	95.3	95.3
W 1000	83.5	91.1	92.7	93.0	94.1	94.1	94.8	94.8	95.3	95.4	95.6	95.6	95.7	95.7	95.8	95.8
W 900	83.9	91.6	93.2	93.5	94.6	94.6	95.4	95.4	95.8	95.9	96.1	96.1	96.2	96.2	96.3	96.3
W 800	84.2	92.3	93.9	94.2	95.4	95.4	96.1	96.1	96.6	96.7	96.9	96.9	97.0	97.0	97.1	97.1
W 700	84.2	92.4	94.1	94.5	95.7	95.7	96.5	96.5	96.9	97.0	97.2	97.2	97.3	97.3	97.4	97.4
W 600	84.2	92.5	94.2	95.1	96.3	96.3	97.3	97.3	97.7	97.8	98.1	98.1	98.2	98.2	98.3	98.3
W 500	84.2	92.7	94.4	95.3	96.6	96.7	97.6	97.6	98.1	98.2	98.5	98.5	98.6	98.6	98.7	98.7
W 400	84.2	92.9	94.6	95.5	96.9	97.0	98.3	98.3	98.7	98.8	99.1	99.1	99.2	99.2	99.4	99.4
W 300	84.2	92.9	94.6	95.5	96.9	97.0	98.4	98.6	99.0	99.1	99.5	99.5	99.6	99.6	99.8	99.8
W 200	84.2	92.9	94.6	95.5	96.9	97.0	98.5	98.7	99.1	99.2	99.6	99.6	99.7	99.7	99.9	99.9
W 100	84.2	92.9	94.6	95.5	96.9	97.0	98.5	98.7	99.1	99.2	99.6	99.6	99.7	99.7	99.9	100.0
W 0	84.2	92.9	94.6	95.5	96.9	97.0	98.5	98.7	99.1	99.2	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	70.9	72.2	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	75.3	77.0	77.2	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
≥ 18000	75.3	77.0	77.2	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
≥ 16000	75.3	77.0	77.2	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
≥ 14000	75.8	77.5	77.7	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
≥ 12000	78.1	80.3	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 10000	83.3	86.0	86.2	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 9000	83.3	86.0	86.2	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 8000	84.5	87.2	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
≥ 7000	85.3	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	88.5
≥ 6000	85.5	88.4	88.6	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 5000	86.1	89.1	89.4	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500	86.6	89.6	89.8	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
≥ 4000	87.0	90.3	90.5	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3500	87.7	91.6	91.9	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	89.0	92.9	93.3	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
≥ 2500	90.0	93.9	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	91.0	94.8	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	91.3	95.3	96.0	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	92.3	96.6	97.3	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	92.8	97.6	98.4	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
≥ 1000	93.0	98.0	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	93.1	98.2	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	93.1	98.3	99.0	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
≥ 700	93.1	98.3	99.0	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
≥ 600	93.1	98.3	99.0	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
≥ 500	93.1	98.3	99.0	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	93.1	98.3	99.0	99.1	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.1	98.3	99.0	99.1	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.1	98.3	99.0	99.1	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.1	98.3	99.0	99.1	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.1	98.3	99.0	99.1	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	66.2	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 20000	74.5	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 18000	74.5	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 16000	74.6	75.8	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 14000	75.4	76.6	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 12000	76.7	78.0	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 10000	82.2	83.4	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 9000	82.2	83.4	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 8000	83.4	85.1	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	84.2	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 6000	84.2	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 5000	85.5	87.1	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 4500	86.0	87.6	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 4000	87.7	89.6	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	90.2
IV 3500	90.2	92.4	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 3000	93.2	95.6	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2500	94.2	96.6	97.1	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
IV 2000	94.7	97.4	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	94.7	97.4	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	94.9	98.1	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	95.1	98.3	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	95.2	98.5	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.2	98.6	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	95.2	98.6	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	95.2	98.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.2	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	76.2	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 18000	76.2	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 16000	76.2	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 14000	76.9	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	80.1	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	82.0
≥ 10000	84.6	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	86.7	86.7
≥ 9000	85.3	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 8000	87.5	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 7000	88.5	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
≥ 6000	89.1	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
≥ 5000	89.6	91.8	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
≥ 4500	90.2	92.5	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 4000	92.6	95.3	95.7	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
≥ 3500	94.0	96.9	97.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000	94.7	97.7	98.4	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
≥ 2500	94.8	98.0	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	95.1	98.2	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	95.1	98.2	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	95.1	98.4	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	95.1	98.4	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	95.1	98.4	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	95.1	98.4	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	95.1	98.4	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	95.1	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.1	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.1	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.1	98.5	99.5	99.6	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	95.1	98.5	99.5	99.6	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	95.1	98.5	99.5	99.6	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	95.1	98.5	99.5	99.6	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	95.1	98.5	99.5	99.6	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 930

USAF ETAC FORM 7-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.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	69.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000	80.1	81.7	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
IV 18000	80.1	81.7	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
IV 16000	80.1	81.7	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
IV 14000	80.5	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 12000	84.6	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 10000	89.0	91.6	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
IV 9000	89.6	91.5	92.0	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 8000	91.5	93.7	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 7000	92.5	94.6	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 6000	92.6	94.8	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 5000	92.7	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4500	92.8	95.3	95.9	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 4000	93.3	96.3	97.1	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 3500	94.2	97.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3000	94.3	97.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2500	94.3	98.2	99.2	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
IV 2000	94.3	98.3	99.4	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
IV 1800	94.3	98.3	99.4	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
IV 1500	94.3	98.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	94.3	98.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	94.3	98.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	94.3	98.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	94.3	98.5	99.7	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
IV 700	94.3	98.5	99.7	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
IV 600	94.3	98.5	99.7	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
IV 500	94.3	98.5	99.7	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
IV 400	94.3	98.5	99.7	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
IV 300	94.3	98.5	99.7	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
IV 200	94.3	98.5	99.7	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
IV 100	94.3	98.5	99.7	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
IV 0	94.3	98.5	99.7	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

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	78.3	80.4	80.5	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
≥ 20000	82.8	85.5	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 18000	82.8	85.5	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 16000	82.8	85.5	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 14000	83.2	85.9	86.0	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 12000	85.1	87.7	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 10000	88.6	92.0	92.3	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 9000	89.0	92.5	92.7	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 8000	90.0	93.8	94.0	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 7000	90.3	94.8	95.1	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 6000	90.5	95.2	95.4	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
≥ 5000	90.9	95.7	96.0	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4500	91.3	96.1	96.5	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 4000	91.8	96.7	97.0	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3500	92.3	97.1	97.4	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3000	93.2	98.2	98.6	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2500	93.2	98.3	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	93.3	98.4	98.8	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	93.3	98.4	98.8	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	93.3	98.4	98.8	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	93.3	98.4	98.8	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	93.5	98.6	99.0	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	93.5	98.6	99.0	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	93.5	98.6	99.0	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	93.5	98.7	99.1	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
≥ 600	93.5	98.7	99.1	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
≥ 500	93.5	98.7	99.1	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
≥ 400	93.5	98.7	99.1	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
≥ 300	93.5	98.7	99.1	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
≥ 200	93.5	98.7	99.1	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	93.5	98.7	99.1	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
≥ 0	93.5	98.7	99.1	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

TOTAL NUMBER OF OBSERVATIONS 936

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70, 73-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	71.4	73.3	73.6	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1
≥ 20000	77.8	80.1	80.4	80.5	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9
≥ 18000	77.8	80.1	80.4	80.5	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9
≥ 16000	77.8	80.1	80.4	80.5	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9
≥ 14000	78.2	80.6	80.9	81.0	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
≥ 12000	80.6	83.0	83.4	83.5	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 10000	84.6	87.4	87.8	88.0	88.1	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 9000	84.9	87.7	88.1	88.3	88.4	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 8000	86.3	89.3	89.8	90.0	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 7000	87.0	90.2	90.7	90.9	91.1	91.1	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 6000	87.2	90.5	91.0	91.1	91.3	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 5000	87.7	91.1	91.6	91.8	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
≥ 4500	88.1	91.4	92.0	92.2	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	88.9	92.5	93.1	93.3	93.6	93.7	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3500	89.8	93.5	94.2	94.5	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	90.7	94.6	95.3	95.6	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500	91.0	95.0	95.8	96.0	96.4	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	91.4	95.6	96.4	96.7	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 1800	91.5	95.7	96.5	96.7	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
≥ 1500	91.9	96.3	97.1	97.4	97.7	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	92.1	96.7	97.5	97.8	98.2	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 1000	92.2	96.8	97.7	98.0	98.4	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	92.2	96.9	97.8	98.1	98.5	98.6	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 800	92.3	97.1	98.0	98.3	98.7	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 700	92.3	97.2	98.1	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 600	92.3	97.2	98.1	98.5	98.9	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 500	92.4	97.3	98.2	98.6	99.0	99.1	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	92.4	97.4	98.4	98.7	99.2	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 300	92.4	97.4	98.4	98.7	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	92.4	97.4	98.4	98.7	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	92.4	97.4	98.4	98.7	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	92.4	97.4	98.4	98.7	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

USAF ETAC FORM JUL 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

ALG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	78.7	81.2	81.4	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥20000	82.6	85.3	85.4	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
IV 18000	82.6	85.2	85.4	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
IV 16000	82.7	85.3	85.5	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 14000	82.9	85.5	85.7	85.9	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 12000	85.3	87.8	88.1	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 10000	88.3	91.2	91.6	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 9000	88.3	91.4	91.8	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 8000	89.2	92.6	93.0	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 7000	89.5	92.8	93.2	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
IV 6000	89.6	92.9	93.3	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 5000	90.9	94.3	94.7	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 4500	91.1	94.5	94.9	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 4000	91.2	94.6	95.1	95.4	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 3500	91.4	94.8	95.4	95.7	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 3000	91.7	95.2	95.7	96.0	96.2	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2500	91.9	95.4	95.9	96.2	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	92.5	96.0	96.6	96.9	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1800	92.6	96.1	96.7	97.0	97.2	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1500	92.8	96.5	97.0	97.3	97.5	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	93.4	97.1	97.6	98.0	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	93.4	97.1	97.6	98.1	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	93.5	97.2	97.7	98.2	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	93.9	97.6	98.2	98.6	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	93.9	97.6	98.2	98.6	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	93.9	97.6	98.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	94.0	97.8	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	94.1	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	94.1	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	94.1	98.0	98.7	99.1	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.1	98.0	98.7	99.1	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.1	98.0	98.7	99.1	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	73.7	77.5	78.0	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7
≥20000	76.0	80.4	80.9	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6
≥18000	76.0	80.4	80.9	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6
≥16000	76.1	80.5	81.0	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
≥14000	76.2	81.2	81.6	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
≥12000	79.0	83.5	84.0	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7
≥10000	81.6	86.2	87.0	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7
≥9000	61.6	86.2	87.0	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7
≥8000	82.5	87.5	88.3	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0
≥7000	83.2	88.3	89.0	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8
≥6000	63.5	88.6	89.4	89.6	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1
≥5000	84.0	89.0	89.8	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5
≥4500	84.1	89.1	89.9	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6
≥4000	84.5	90.2	91.0	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7
≥3500	84.7	90.6	91.4	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2
≥3000	85.2	91.1	91.8	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6
≥2500	85.7	91.6	92.4	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1
≥2000	87.0	93.0	93.8	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥1800	87.1	93.1	93.9	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
≥1500	87.7	94.0	94.8	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6
≥1200	88.1	94.6	95.5	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2
≥1000	88.2	94.7	95.6	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥900	88.3	95.2	96.0	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
≥800	88.9	95.8	96.7	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
≥700	89.1	96.2	97.1	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥600	89.2	96.5	97.3	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥500	89.5	96.9	97.8	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥400	89.7	97.2	98.3	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥300	89.7	97.2	98.3	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥200	89.7	97.2	98.3	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥100	89.7	97.2	98.3	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥0	89.7	97.2	98.3	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

ALG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	54.7	65.9	68.6	69.2	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.9	69.9
≥ 20000	58.4	69.7	72.4	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.7	73.7
≥ 18000	58.4	69.7	72.4	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.7	73.7
≥ 16000	58.4	69.7	72.4	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.7	73.7
≥ 14000	58.8	70.3	73.0	73.7	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.3	74.3
≥ 12000	62.2	73.8	76.5	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7
≥ 10000	65.2	77.2	79.9	80.6	81.3	81.4	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.7	81.7
≥ 9000	65.3	77.3	80.0	80.8	81.4	81.5	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8
≥ 8000	66.8	79.2	82.2	82.9	83.5	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.0
≥ 7000	67.0	79.8	82.7	83.4	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5
≥ 6000	67.3	80.2	83.1	83.9	84.5	84.6	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9
≥ 5000	68.2	81.3	84.2	84.9	85.6	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0
≥ 4500	69.4	82.8	85.7	86.5	87.1	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.5
≥ 4000	69.6	83.4	86.7	87.4	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.5
≥ 3500	69.9	83.8	87.0	87.7	88.4	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.8	88.8	88.8
≥ 3000	70.4	84.3	87.5	88.3	88.9	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4
≥ 2500	71.2	85.2	88.5	89.2	90.1	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.5
≥ 2000	71.9	86.0	89.4	90.1	91.0	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
≥ 1800	72.2	86.2	89.6	90.3	91.2	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.6	91.6
≥ 1500	73.1	87.6	91.0	91.7	92.6	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.1
≥ 1200	74.0	88.9	92.5	93.3	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.9	95.1	95.1
≥ 1000	74.2	89.1	92.7	93.5	94.4	94.5	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.2	95.3	95.3
≥ 900	74.5	89.6	93.1	94.0	94.8	94.9	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.6	95.7	95.7
≥ 800	74.9	90.3	94.0	94.8	96.0	96.1	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.8	96.9	96.9
≥ 700	75.2	90.6	94.3	95.2	96.5	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.3	97.4	97.4
≥ 600	75.2	90.6	94.3	95.3	96.8	97.0	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.8	97.8
≥ 500	75.3	90.9	94.5	95.5	97.1	97.5	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.3	98.4	98.4
≥ 400	75.5	91.2	94.9	95.9	97.5	98.1	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.2	99.4	99.4
≥ 300	75.5	91.2	94.9	96.0	97.6	98.2	98.7	98.7	98.7	99.4	99.5	99.5	99.5	99.7	99.8	99.8
≥ 200	75.5	91.2	94.9	96.0	97.6	98.2	98.7	98.7	98.7	99.5	99.7	99.7	99.7	99.9	100.0	100.0
≥ 100	75.5	91.2	94.9	96.0	97.6	98.2	98.7	98.7	98.7	99.5	99.7	99.7	99.7	99.9	100.0	100.0
≥ 0	75.5	91.2	94.9	96.0	97.6	98.2	98.7	98.7	98.7	99.5	99.7	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS-UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	63.8	69.0	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	70.0	75.6	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 18000	70.1	75.7	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	76.1
IV 16000	70.1	75.7	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	76.1
IV 14000	71.0	76.6	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 12000	73.2	79.1	79.5	79.5	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 10000	78.4	84.7	85.1	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
IV 9000	78.4	84.9	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 8000	79.1	85.8	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 7000	79.5	86.1	86.5	86.5	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 6000	79.5	86.2	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
IV 5000	80.0	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4500	80.0	87.6	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	80.9	88.2	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3500	81.3	88.6	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	82.2	89.7	90.0	90.0	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 2500	83.3	91.0	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2000	84.4	92.4	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	84.7	92.8	93.1	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
IV 1500	86.2	94.7	95.2	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	86.6	95.7	96.1	96.2	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	87.0	96.2	96.7	96.8	97.0	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	87.0	96.5	97.0	97.2	97.5	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	87.1	96.6	97.2	97.4	98.0	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	87.1	96.7	97.3	97.5	98.1	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	87.2	96.9	97.5	97.7	98.4	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	87.2	96.9	97.5	98.0	98.9	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	87.2	96.9	97.5	98.0	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	87.2	96.9	97.5	98.0	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	87.2	96.9	97.5	98.0	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	87.2	96.9	97.5	98.0	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	87.2	96.9	97.5	98.0	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

ALP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	64.7	65.9	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	66.1
≥20000	73.8	75.1	75.2	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	73.9	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥16000	73.9	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥14000	74.9	76.2	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	77.7	79.0	79.1	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
≥10000	82.2	84.2	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
≥9000	82.6	84.7	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
≥8000	83.8	86.2	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
≥7000	84.1	86.6	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
≥6000	84.2	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	87.2
≥5000	85.1	87.5	88.0	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
≥4500	85.4	88.3	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥4000	86.8	89.8	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
≥3500	90.0	93.0	93.4	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
≥3000	92.0	95.3	95.7	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥2500	93.1	96.5	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥2000	93.9	97.3	97.8	98.0	98.0	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥1800	94.0	97.4	98.0	98.1	98.1	98.2	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥1500	94.4	98.0	98.5	98.7	98.7	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥1200	94.7	98.3	98.8	99.0	99.0	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1000	94.7	98.3	98.8	99.0	99.0	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥900	94.7	98.3	98.8	99.0	99.0	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥800	94.7	98.3	98.8	99.0	99.0	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥700	94.7	98.3	98.8	99.0	99.0	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥600	94.7	98.3	98.8	99.0	99.0	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥500	94.7	98.4	98.9	99.1	99.1	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	94.7	98.4	98.9	99.1	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥300	94.7	98.4	98.9	99.1	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥200	94.7	98.4	98.9	99.1	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥100	94.7	98.4	98.9	99.1	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥0	94.7	98.4	98.9	99.1	99.1	99.2	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 936

USAF ETAC FORM 11-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥	≥0
NO CEILING	64.3	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	76.5	76.4	78.4	76.4	76.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 18000	77.0	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
≥ 16000	77.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 14000	78.5	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
≥ 12000	80.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 10000	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 9000	85.2	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	87.4	87.4
≥ 8000	87.4	89.0	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
≥ 7000	88.2	89.8	90.0	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
≥ 6000	88.3	89.9	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
≥ 5000	89.4	91.2	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4500	89.8	91.7	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	92.3	94.6	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥ 3500	93.8	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	97.0
≥ 3000	94.8	97.5	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.8
≥ 2500	95.2	98.1	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.4
≥ 2000	95.3	98.2	98.6	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 1800	95.3	98.2	98.6	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 1500	95.4	98.3	98.7	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8
≥ 1200	95.4	98.3	98.7	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8
≥ 1000	95.5	98.4	98.8	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
≥ 900	95.5	98.4	98.8	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
≥ 800	95.5	98.4	98.8	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
≥ 700	95.5	98.4	98.8	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
≥ 600	95.5	98.4	98.8	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
≥ 500	95.6	98.5	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 400	95.6	98.5	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 300	95.6	98.5	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 200	95.6	98.5	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 100	95.6	98.5	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 0	95.6	98.5	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATE-GEY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03022
STATION

ROBERT GRAY AAF TX (FCRT H000)

69-70,73-80

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1930-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 0
NO CEILING	66.6	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 20000	79.1	81.6	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
≥ 18000	79.2	81.7	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
≥ 16000	79.3	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 14000	80.2	82.6	83.0	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
≥ 12000	81.8	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 10000	86.2	89.0	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 9000	86.3	89.1	89.6	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
≥ 8000	88.2	91.0	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
≥ 7000	88.8	91.6	92.4	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
≥ 6000	88.8	91.6	92.4	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
≥ 5000	90.5	93.6	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4500	90.7	94.0	94.9	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
≥ 4000	92.1	95.5	96.4	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 3500	92.3	95.9	97.0	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	92.6	96.6	98.1	98.4	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	92.9	97.2	98.5	98.8	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	92.9	97.3	98.6	98.9	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	92.9	97.3	98.6	98.9	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	92.9	97.3	98.6	98.9	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	93.0	97.4	98.7	99.0	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	93.3	97.7	99.0	99.4	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	93.3	97.7	99.0	99.4	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	93.3	97.7	99.0	99.4	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	93.3	97.7	99.0	99.4	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	93.3	97.7	99.0	99.4	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	93.5	98.0	99.2	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
≥ 400	93.5	98.0	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.5	98.0	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.5	98.0	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.5	98.0	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.5	98.0	99.2	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

927

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-10	≥1	≥0
NO CEILING ≥ 20000	79.8	81.3	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	85.5	87.2	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 16000	85.5	87.2	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 14000	86.2	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 12000	87.6	89.2	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 10000	90.1	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 9000	90.6	92.8	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 8000	91.7	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 7000	92.1	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 6000	92.1	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 5000	93.7	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 4500	94.2	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4000	94.7	97.4	98.0	98.3	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 3500	94.7	97.5	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3000	94.9	98.1	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2500	94.9	98.1	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	94.9	98.1	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	94.9	98.1	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	95.0	98.2	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	95.0	98.2	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	95.0	98.2	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	95.1	98.3	98.8	99.1	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	95.1	98.3	98.8	99.1	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	95.3	98.5	99.0	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 600	95.5	98.6	99.4	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.5	98.8	99.4	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.5	98.8	99.4	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.5	98.8	99.4	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.5	98.8	99.4	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.5	98.8	99.4	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.5	98.8	99.4	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	68.3	71.9	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 20000	75.3	79.1	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1
≥ 18000	75.3	79.2	79.7	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 16000	75.4	79.2	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2
≥ 14000	76.2	80.0	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0
≥ 12000	78.4	82.4	82.9	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	82.2	86.5	87.1	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 9000	82.4	86.7	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 8000	83.6	88.2	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 7000	84.0	88.7	89.5	89.7	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 6000	84.2	88.8	89.6	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 5000	85.2	90.0	90.8	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	85.6	90.6	91.4	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0
≥ 4000	86.5	91.7	92.6	92.9	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3500	87.3	92.6	93.4	93.7	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3000	88.0	93.5	94.4	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2
≥ 2500	88.5	94.1	95.1	95.4	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
≥ 2000	89.1	94.8	95.7	96.1	96.3	96.3	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	89.2	94.9	95.9	96.2	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	89.7	95.6	96.6	96.9	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
≥ 1200	90.0	96.1	97.1	97.5	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 1000	90.2	96.2	97.2	97.6	97.8	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 900	90.2	96.4	97.4	97.8	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥ 800	90.4	96.6	97.7	98.1	98.4	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
≥ 700	90.5	96.8	97.8	98.3	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	90.6	96.9	98.0	98.4	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	90.7	97.0	98.1	98.6	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 400	90.7	97.1	98.2	98.7	99.2	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.7	97.1	98.2	98.8	99.2	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	90.7	97.1	98.2	98.8	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	90.7	97.1	98.2	98.8	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	90.7	97.1	98.2	98.8	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AA TX (FORT WOOD)

66-70, 73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	67.1	69.9	70.0	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000	68.9	71.9	72.1	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 18000	68.9	71.9	72.1	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	68.9	71.9	72.1	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	69.2	72.4	72.7	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 12000	70.8	74.0	74.2	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	72.9	76.3	76.6	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	73.2	76.7	76.9	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
≥ 8000	74.8	78.4	78.7	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 7000	74.8	78.7	79.0	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000	75.1	79.1	79.4	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	75.9	80.0	80.3	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	76.1	80.2	80.6	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	76.1	80.4	80.8	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500	76.2	80.7	81.0	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000	76.8	81.3	81.9	82.3	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	77.4	82.1	82.7	83.1	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2000	78.4	83.4	84.1	84.7	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	78.8	83.8	84.4	85.1	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1500	80.4	85.9	86.6	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	81.9	87.4	88.1	89.0	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	82.7	88.3	89.1	90.0	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	83.0	89.1	89.9	90.8	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	84.2	90.6	91.4	92.3	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	84.8	91.6	92.6	93.4	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	85.0	92.0	93.2	94.1	94.9	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 500	85.6	93.2	94.8	96.1	97.3	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	85.8	93.6	95.1	96.6	97.8	98.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	85.8	93.7	95.2	96.7	98.0	98.4	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	85.8	93.8	95.3	96.8	98.1	98.6	98.9	99.0	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	85.8	93.8	95.4	96.9	98.2	98.7	99.0	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.8	93.8	95.4	96.9	98.2	98.7	99.0	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	58.6	62.6	62.8	62.8	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	59.8	64.1	64.3	64.3	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	59.8	64.1	64.3	64.3	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 16000	59.8	64.1	64.3	64.3	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 14000	60.3	65.0	65.2	65.2	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	62.2	67.1	67.3	67.3	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000	63.8	69.2	69.4	69.4	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 9000	64.1	69.6	69.8	69.8	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 8000	65.7	71.6	71.8	71.8	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	66.2	72.2	72.6	72.6	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	66.8	72.8	73.1	73.1	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	66.9	73.0	73.3	73.3	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500	67.3	73.4	73.8	73.8	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	67.4	73.7	74.0	74.0	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	68.0	74.7	75.0	75.0	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	68.8	75.4	75.8	75.8	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	69.4	76.1	76.4	76.4	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	70.8	77.6	77.9	77.9	78.7	78.7	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	71.4	78.6	79.0	79.0	79.8	79.8	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1500	73.6	81.0	81.8	81.8	82.6	82.6	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1200	75.1	82.8	83.6	83.6	84.6	84.6	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	76.6	84.6	85.3	85.3	86.3	86.3	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	77.1	85.6	86.3	86.3	87.3	87.3	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	78.2	87.7	88.6	88.6	89.7	89.7	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	78.8	88.8	89.9	89.9	90.1	91.2	91.3	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	80.0	90.2	91.8	92.0	93.1	93.2	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.7	93.7	93.7
≥ 500	80.6	91.8	93.6	94.1	95.4	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.0
≥ 400	80.6	92.6	94.3	94.9	96.2	96.3	96.7	96.9	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3
≥ 300	80.7	92.8	94.6	95.3	96.8	96.9	97.7	98.0	98.2	98.6	98.8	98.8	98.9	98.9	98.9	98.9
≥ 200	80.7	92.8	94.6	95.3	96.9	97.0	98.0	98.4	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7
≥ 100	80.7	92.8	94.6	95.3	96.9	97.0	98.0	98.4	98.7	99.2	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	80.7	92.8	94.6	95.3	96.9	97.0	98.0	98.4	98.7	99.2	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥4	≥0
NO CEILING	42.9	53.2	54.5	55.8	56.6	56.7	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3
≥ 20000	45.1	55.8	57.2	58.6	59.5	59.7	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
≥ 18000	45.1	55.8	57.2	58.6	59.5	59.7	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
≥ 16000	45.1	56.0	57.3	58.7	59.6	59.8	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
≥ 14000	45.6	57.1	58.4	59.8	60.8	61.1	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6
≥ 12000	46.9	59.1	60.6	62.2	63.2	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0
≥ 10000	48.8	61.4	63.3	65.0	66.1	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9
≥ 9000	49.2	61.7	63.6	65.3	66.4	66.6	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2
≥ 8000	50.6	63.8	66.0	67.6	68.7	69.0	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6
≥ 7000	50.9	64.2	66.3	68.0	69.1	69.3	69.6	69.7	69.7	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0
≥ 6000	51.2	64.4	66.5	68.2	69.3	69.5	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2
≥ 5000	51.9	65.5	67.6	69.3	70.4	70.6	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3
≥ 4500	52.3	66.1	68.2	69.9	71.0	71.2	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9
≥ 4000	52.5	66.3	68.4	70.1	71.2	71.4	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
≥ 3500	52.6	66.6	68.7	70.4	71.5	71.7	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5
≥ 3000	53.7	67.9	70.1	71.7	72.9	73.1	73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9
≥ 2500	54.7	69.0	71.2	72.9	74.0	74.2	74.6	74.7	74.7	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0
≥ 2000	55.8	70.3	72.6	74.3	75.4	75.6	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4
≥ 1800	56.5	71.0	73.3	75.0	76.1	76.4	76.9	77.0	77.1	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4
≥ 1500	56.8	74.2	76.9	78.5	79.6	80.1	80.5	80.6	80.8	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1
≥ 1200	59.8	75.8	78.4	80.3	81.8	82.2	82.6	82.8	83.0	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
≥ 1000	61.1	77.4	80.1	82.0	83.4	84.0	84.6	84.8	85.0	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
≥ 900	62.0	78.8	81.4	83.4	85.0	85.5	86.2	86.3	86.5	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
≥ 800	63.0	80.2	83.1	85.1	86.8	87.3	88.1	88.3	88.5	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥ 700	63.6	81.5	84.5	86.5	88.4	89.0	89.8	90.0	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5
≥ 600	64.1	82.6	86.1	88.7	90.8	91.4	92.3	92.5	92.8	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 500	64.4	84.0	87.4	90.1	92.3	93.0	94.1	94.4	94.7	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1
≥ 400	64.8	85.0	88.5	91.3	93.8	94.4	96.0	96.4	96.7	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.3
≥ 300	64.8	85.2	88.9	91.5	94.2	94.9	96.8	97.2	97.6	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.6
≥ 200	64.8	85.2	88.9	91.8	94.4	95.1	97.0	97.4	98.0	98.6	98.7	98.8	99.0	99.0	99.0	99.2	99.3
≥ 100	64.8	85.2	88.9	91.8	94.4	95.1	97.0	97.6	98.1	98.7	98.9	99.0	99.2	99.2	99.2	99.6	100.0
≥ 0	64.8	85.2	88.9	91.8	94.4	95.1	97.0	97.6	98.1	98.7	98.9	99.0	99.2	99.2	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING ≥ 20000	51.3	56.9	57.6	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000 ≥ 16000	54.6	60.6	61.2	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000 ≥ 12000	54.7	60.8	61.4	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 10000 ≥ 9000	55.4	61.7	62.3	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000 ≥ 7000	56.4	62.8	63.4	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000 ≥ 5000	59.1	66.8	67.4	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500 ≥ 4000	59.2	67.1	67.8	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500 ≥ 3000	60.7	69.3	70.3	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2500 ≥ 2000	61.3	70.0	71.0	71.9	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1800 ≥ 1500	62.0	70.9	71.9	72.8	73.2	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1200 ≥ 1000	62.4	71.3	72.3	73.2	73.7	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 900 ≥ 800	63.0	71.9	72.9	73.8	74.2	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 700 ≥ 600	63.1	72.0	73.0	73.9	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 500 ≥ 400	63.7	72.7	73.7	74.7	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 300 ≥ 200	65.0	74.0	75.0	76.0	76.4	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 100 0	67.6	77.3	78.3	79.3	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
	70.6	80.6	81.7	82.8	83.2	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
	71.7	81.7	82.8	84.0	84.4	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
	74.0	84.4	85.6	86.8	87.2	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	75.9	87.0	88.2	89.4	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
	76.8	88.3	89.7	90.9	91.4	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
	77.2	89.1	90.4	91.8	92.4	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	77.4	89.7	91.0	92.4	93.3	93.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
	77.7	90.4	91.9	93.6	94.4	94.7	94.8	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	77.8	91.0	92.4	94.7	95.6	95.8	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	77.8	91.3	92.9	95.3	96.3	96.7	97.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
	77.8	91.4	93.1	95.8	96.8	97.2	97.7	98.7	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1
	77.8	91.4	93.1	95.8	96.9	97.3	98.0	99.1	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9
	77.8	91.4	93.1	95.8	96.9	97.3	98.0	99.1	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
	77.8	91.4	93.1	95.8	96.9	97.3	98.0	99.1	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-10	≥ 1	≥ 0
NO CEILING	57.9	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 20000	64.2	67.0	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 18000	64.3	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	64.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 14000	64.9	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	67.8	71.3	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000	72.2	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
IV 9000	72.4	76.7	77.1	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
IV 8000	73.3	77.9	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	73.9	78.7	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 6000	74.0	78.8	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
IV 5000	74.8	79.6	80.0	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 4500	75.3	80.1	80.7	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 4000	77.0	82.2	82.8	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 3500	79.1	84.4	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3000	80.8	86.4	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	82.6	88.3	89.1	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000	83.9	89.8	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1800	84.2	90.1	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1500	85.6	91.9	92.8	93.2	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 1200	85.9	92.4	93.4	94.0	94.3	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1000	86.4	93.2	94.3	94.9	95.2	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	86.7	93.6	94.8	95.3	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	86.7	93.9	95.1	95.9	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 700	86.7	94.6	95.8	96.7	97.2	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 600	86.7	95.1	96.3	97.2	97.8	98.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	86.7	95.3	96.6	97.9	98.6	98.8	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	86.7	95.3	96.7	98.0	98.7	98.9	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	86.7	95.3	96.7	98.0	98.8	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	86.7	95.3	96.7	98.0	98.8	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	86.7	95.3	96.7	98.0	98.8	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	86.7	95.3	96.7	98.0	98.8	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

66-70,73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	60.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 20000	69.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	69.3	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	72.0	72.0
IV 16000	69.3	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	72.0	72.0
IV 14000	69.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	73.3	76.7	76.8	76.8	75.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 10000	79.0	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 9000	79.2	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	83.2
IV 8000	81.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 7000	81.4	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	86.0
IV 6000	81.8	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 5000	82.7	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4500	83.2	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	88.1	88.1
IV 4000	85.0	89.8	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 3500	86.1	90.9	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	87.0	92.2	92.4	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	87.6	93.2	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	88.3	94.7	94.9	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800	88.4	94.9	95.2	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500	89.9	96.4	96.8	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	90.0	96.6	96.9	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	90.2	96.9	97.2	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
IV 900	90.3	97.1	97.4	97.9	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	90.3	97.2	97.6	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	90.6	97.7	98.0	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	90.6	97.7	98.1	98.7	98.8	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	90.6	97.7	98.1	98.8	98.9	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	90.6	97.7	98.1	98.8	98.9	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	90.6	97.7	98.1	98.8	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.6	97.7	98.1	98.8	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.6	97.7	98.1	98.8	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.6	97.7	98.1	98.8	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

C3902
STATION

ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-75

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	65.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	71.9	74.8	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	75.1
≥ 18000	72.1	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	72.1	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	72.6	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	75.4	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 10000	80.8	85.0	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 9000	81.0	85.2	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 8000	83.2	87.7	87.9	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
≥ 7000	83.4	87.9	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 6000	83.6	88.0	88.2	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
≥ 5000	85.0	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	86.2	91.0	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4000	87.0	92.0	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	87.7	92.8	93.1	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
≥ 3000	88.9	94.1	94.4	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
≥ 2500	89.4	95.2	95.7	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
≥ 2000	89.9	95.8	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	90.0	96.0	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	90.3	96.3	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	90.7	96.7	97.2	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	90.7	96.9	97.4	97.7	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	90.8	97.0	97.6	97.8	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	90.8	97.2	97.8	98.0	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	90.9	97.4	98.0	98.4	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	90.9	97.4	98.0	98.4	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	90.9	97.6	98.1	98.6	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	90.9	97.6	98.1	98.6	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.9	97.6	98.1	98.6	99.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	90.9	97.6	98.1	98.6	99.1	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	90.9	97.6	98.1	98.6	99.1	99.1	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.9	97.6	98.1	98.6	99.1	99.1	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

500

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-10	≥4	≥0
NO CEILING	69.8	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000	73.8	77.4	77.9	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
≥ 18000	73.8	77.4	77.9	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
IV 16000	73.8	77.4	77.9	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
IV 14000	74.1	77.8	78.2	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
IV 12000	76.3	80.1	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 10000	79.1	83.2	83.7	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
IV 9000	79.3	83.4	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 8000	81.4	85.9	86.3	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
IV 7000	81.8	86.2	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 6000	81.9	86.3	86.8	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
IV 5000	83.4	88.3	88.9	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 4500	84.1	89.0	89.6	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
IV 4000	84.4	89.6	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3500	84.8	90.0	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3000	85.2	90.7	91.6	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
IV 2500	85.6	91.2	92.1	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 2000	86.6	92.2	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800	87.0	92.8	93.7	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 1500	87.3	93.1	94.1	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 1200	88.1	94.2	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
IV 1000	88.4	94.6	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	88.4	94.7	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
IV 800	88.8	95.2	96.3	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	88.9	95.6	96.7	97.2	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 600	88.9	95.6	96.8	97.3	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	89.0	95.8	97.0	97.8	98.6	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	89.0	96.3	97.6	98.3	99.1	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	89.0	96.3	97.6	98.3	99.1	99.2	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	89.0	96.3	97.6	98.3	99.1	99.2	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	89.0	96.3	97.6	98.3	99.1	99.2	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	89.0	96.3	97.6	98.3	99.1	99.2	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	59.8	63.2	63.7	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	63.4	67.9	68.4	68.7	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 18000	63.5	68.0	68.4	68.7	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 16000	63.5	68.1	68.5	68.8	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	64.0	68.8	69.2	69.5	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 12000	66.2	71.2	71.7	72.1	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 10000	69.5	75.2	75.7	76.1	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000	69.7	75.4	76.0	76.4	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	71.3	77.5	78.1	78.5	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	71.7	78.0	78.6	79.0	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 6000	72.0	78.3	79.0	79.4	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 5000	72.9	79.3	80.0	80.5	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	73.5	80.0	80.6	81.1	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000	74.1	80.7	81.4	81.9	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500	74.8	81.6	82.3	82.8	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	75.8	82.8	83.5	84.0	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	76.8	84.1	84.9	85.4	85.8	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	78.0	85.5	86.4	86.9	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1800	78.5	86.1	87.0	87.6	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	80.0	87.9	88.9	89.5	89.9	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1200	80.9	89.1	90.1	90.8	91.3	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	81.6	90.0	91.1	91.8	92.4	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 900	81.9	90.6	91.7	92.4	93.1	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800	82.4	91.5	92.6	93.4	94.1	94.2	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	82.7	92.2	93.4	94.3	95.1	95.3	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8
≥ 600	83.0	92.7	94.1	95.1	96.0	96.2	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	83.2	93.3	94.8	96.1	97.1	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 400	83.3	93.7	95.2	96.5	97.5	97.8	98.2	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 300	83.3	93.7	95.3	96.6	97.7	98.0	98.5	99.0	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 200	83.3	93.8	95.3	96.7	97.8	98.0	98.6	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100	83.3	93.8	95.3	96.7	97.8	98.0	98.6	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	83.3	93.8	95.3	96.7	97.8	98.0	98.6	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7299

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70.73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	65.5	66.6	67.0	67.0	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 20000	68.1	69.2	69.7	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
≥ 18000	65.1	69.2	69.7	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
≥ 16000	68.1	69.2	69.7	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
≥ 14000	68.1	69.2	69.7	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1
≥ 12000	69.5	70.6	71.1	71.1	71.1	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5
≥ 10000	71.1	72.3	72.7	72.7	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
≥ 9000	71.3	72.5	72.9	72.9	72.9	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3
≥ 8000	73.0	74.4	75.1	75.1	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5
≥ 7000	73.4	74.8	75.5	75.5	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9
≥ 6000	73.8	75.3	75.9	76.0	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.5
≥ 5000	75.3	77.1	77.7	77.8	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3
≥ 4500	75.3	77.1	77.7	77.8	77.8	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4
≥ 4000	75.5	77.3	78.0	78.1	78.1	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6
≥ 3500	76.0	78.1	78.7	78.8	78.9	79.0	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
≥ 3000	77.0	79.2	80.0	80.1	80.2	80.3	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9
≥ 2500	78.2	80.4	81.3	81.4	81.5	81.6	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2
≥ 2000	79.8	82.4	83.2	83.3	83.4	83.5	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
≥ 1800	80.3	82.9	83.8	83.9	84.0	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 1500	82.6	85.5	86.6	86.7	86.8	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4
≥ 1200	85.7	89.0	90.1	90.4	90.5	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2
≥ 1000	87.0	90.8	91.9	92.3	92.4	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0
≥ 900	87.5	91.6	92.9	93.2	93.3	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0
≥ 800	88.3	92.9	94.2	94.5	94.7	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
≥ 700	88.7	93.7	95.3	95.7	96.0	96.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
≥ 600	88.7	93.7	95.4	96.0	96.5	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
≥ 500	88.9	94.3	96.1	96.9	97.8	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6
≥ 400	89.0	94.4	96.2	97.0	98.1	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 300	89.0	94.5	96.6	97.5	98.6	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 200	89.0	94.5	96.7	97.6	98.7	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 100	89.0	94.5	96.7	97.6	98.7	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8
≥ 0	89.0	94.5	96.7	97.6	98.7	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6300-6500
HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	58.0	62.5	63.1	63.3	63.5	63.7	63.8	63.8	63.8	63.9	64.1	64.1	64.2	64.2	64.4	64.5
≥ 20000	59.9	64.5	65.2	65.4	65.6	65.7	65.8	65.8	65.8	65.9	66.1	66.1	66.1	66.2	66.5	66.6
≥ 18000	59.9	64.5	65.2	65.4	65.6	65.7	65.8	65.8	65.8	65.9	66.1	66.1	66.1	66.2	66.5	66.6
≥ 16000	59.9	64.5	65.2	65.4	65.6	65.7	65.8	65.8	65.8	65.9	66.1	66.1	66.1	66.2	66.5	66.6
≥ 14000	59.9	64.5	65.2	65.4	65.6	65.7	65.8	65.8	65.8	65.9	66.1	66.1	66.1	66.2	66.5	66.6
≥ 12000	61.0	65.6	66.2	66.5	66.7	66.8	66.9	66.9	66.9	67.0	67.2	67.2	67.2	67.3	67.5	67.6
≥ 10000	63.4	68.2	68.8	69.0	69.2	69.4	69.5	69.5	69.5	69.6	69.8	69.8	69.8	69.9	70.1	70.2
≥ 9000	63.4	68.2	68.8	69.0	69.2	69.4	69.5	69.5	69.5	69.6	69.8	69.8	69.8	69.9	70.1	70.2
≥ 8000	64.3	69.4	70.0	70.2	70.4	70.5	70.6	70.6	70.6	70.8	71.0	71.0	71.0	71.1	71.3	71.4
≥ 7000	64.7	69.8	70.4	70.6	70.9	71.0	71.1	71.1	71.1	71.2	71.4	71.4	71.4	71.5	71.7	71.8
≥ 6000	65.4	70.4	71.1	71.3	71.5	71.6	71.7	71.7	71.7	71.8	72.0	72.0	72.0	72.2	72.4	72.5
≥ 5000	66.7	71.9	72.8	73.0	73.2	73.3	73.4	73.4	73.4	73.5	73.8	73.8	73.8	73.9	74.1	74.2
≥ 4500	66.8	72.0	73.1	73.3	73.5	73.7	73.8	73.8	73.8	73.9	74.1	74.1	74.1	74.2	74.4	74.5
≥ 4000	67.3	72.7	74.0	74.2	74.4	74.5	74.6	74.6	74.6	74.7	74.9	74.9	74.9	75.1	75.3	75.4
≥ 3500	68.1	73.7	74.9	75.2	75.4	75.5	75.6	75.6	75.6	75.7	75.9	75.9	75.9	76.0	76.2	76.3
≥ 3000	69.1	74.7	76.0	76.3	76.6	76.7	76.8	76.8	76.8	76.9	77.1	77.1	77.1	77.2	77.4	77.5
≥ 2500	69.4	75.2	76.5	76.8	77.1	77.2	77.3	77.3	77.3	77.4	77.6	77.6	77.6	77.7	78.0	78.1
≥ 2000	71.4	77.5	78.8	79.2	79.6	79.7	79.8	79.8	79.8	79.9	80.1	80.1	80.1	80.2	80.4	80.5
≥ 1800	72.4	78.6	79.9	80.3	80.6	80.8	80.9	80.9	80.9	81.0	81.2	81.2	81.2	81.3	81.5	81.6
≥ 1500	74.2	81.4	82.8	83.2	83.7	83.8	83.9	83.9	83.9	84.0	84.2	84.2	84.2	84.3	84.5	84.6
≥ 1200	76.5	84.6	86.0	86.5	86.9	87.0	87.1	87.1	87.1	87.2	87.4	87.4	87.4	87.5	87.7	87.8
≥ 1000	77.4	86.7	88.1	88.6	89.2	89.4	89.5	89.5	89.5	89.6	89.8	89.8	89.8	89.9	90.1	90.2
≥ 900	78.1	87.8	89.4	89.9	90.5	90.6	90.8	90.8	90.8	90.9	91.1	91.1	91.1	91.2	91.4	91.5
≥ 800	79.0	89.9	91.5	92.0	92.7	92.8	92.9	92.9	92.9	93.0	93.2	93.2	93.2	93.3	93.5	93.7
≥ 700	79.5	91.2	92.9	93.4	94.1	94.2	94.3	94.3	94.3	94.4	94.6	94.6	94.6	94.7	94.9	95.1
≥ 600	79.5	91.4	93.2	93.8	94.5	94.6	94.8	94.8	94.8	94.9	95.2	95.2	95.2	95.3	95.5	95.6
≥ 500	79.6	91.8	93.9	94.6	95.5	95.6	95.9	95.9	95.9	96.0	96.2	96.2	96.2	96.3	96.6	96.7
≥ 400	79.8	92.3	94.3	95.1	96.0	96.1	96.6	96.6	96.6	96.7	96.9	96.9	96.9	97.0	97.2	97.3
≥ 300	79.9	92.4	94.4	95.5	96.6	96.7	97.6	97.6	97.6	97.7	98.0	98.0	98.0	98.1	98.3	98.4
≥ 200	79.9	92.4	94.5	95.6	96.7	96.8	97.8	97.8	97.8	98.1	98.3	98.6	98.6	98.7	98.9	99.0
≥ 100	79.9	92.4	94.5	95.6	96.7	96.8	97.8	97.8	97.8	98.1	98.3	98.6	98.6	98.7	98.9	99.0
≥ 0	79.9	92.4	94.5	95.6	96.7	96.8	97.8	97.8	97.8	98.1	98.3	98.6	98.6	98.7	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	46.6	53.1	55.1	55.5	55.8	56.1	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6
≥ 20000	46.6	55.2	57.1	57.5	57.8	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 18000	46.6	55.2	57.1	57.5	57.8	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 16000	46.6	55.2	57.1	57.5	57.8	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 14000	46.6	55.2	57.1	57.5	57.8	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 12000	50.0	56.6	58.5	58.9	59.2	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0
≥ 10000	51.3	57.8	59.8	60.2	60.5	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4
≥ 9000	51.6	58.2	60.1	60.5	60.9	61.3	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7
≥ 8000	52.9	59.7	61.8	62.4	62.7	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5
≥ 7000	54.0	60.8	62.9	63.4	63.8	64.2	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6
≥ 6000	54.6	61.4	63.5	64.1	64.4	64.8	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3
≥ 5000	56.3	63.9	66.0	66.8	67.2	67.6	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
≥ 4500	56.6	64.3	66.5	67.2	67.6	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
≥ 4000	57.4	65.3	67.5	68.3	68.7	69.1	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6
≥ 3500	58.4	66.3	68.6	69.4	69.8	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6
≥ 3000	59.4	67.8	70.1	70.9	71.3	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2
≥ 2500	60.3	69.7	72.0	72.9	73.3	73.8	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2
≥ 2000	61.4	71.3	73.8	74.6	75.3	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2
≥ 1800	61.9	72.0	74.5	75.4	76.0	76.5	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
≥ 1500	63.8	74.8	77.6	78.5	79.1	79.6	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 1200	65.7	77.7	80.8	81.7	82.6	83.0	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7
≥ 1000	66.1	78.7	82.0	83.1	84.4	84.9	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 900	66.5	79.4	82.7	83.8	85.1	85.6	86.3	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9
≥ 800	66.8	80.5	83.9	85.2	86.6	87.1	87.6	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.5	88.5
≥ 700	66.9	81.2	84.5	85.9	87.3	87.8	88.7	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.6
≥ 600	67.0	81.6	84.9	86.6	88.2	88.7	89.7	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 500	67.3	82.4	86.0	87.6	89.6	90.1	91.3	91.8	92.3	92.4	92.4	92.4	92.4	92.5	92.6	92.6
≥ 400	67.3	82.4	86.1	88.0	90.2	90.8	92.3	93.2	93.8	94.0	94.0	94.0	94.0	94.1	94.2	94.2
≥ 300	67.3	82.5	86.5	88.5	90.9	91.6	93.4	94.8	95.5	95.7	95.9	95.9	95.9	96.2	96.5	96.6
≥ 200	67.3	82.5	86.5	88.6	91.3	92.0	94.0	95.6	96.2	96.6	96.9	96.9	96.9	97.8	98.2	98.8
≥ 100	67.3	82.5	86.5	88.6	91.3	92.0	94.0	95.6	96.2	96.7	97.2	97.2	97.2	98.4	98.8	99.8
≥ 0	67.3	82.5	86.5	88.6	91.3	92.0	94.0	95.6	96.2	96.7	97.2	97.2	97.2	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3-16	≥0
NO CEILING	52.7	56.0	56.3	56.3	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	56.7	59.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 18000	56.2	59.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	56.2	59.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 14000	56.9	60.4	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	58.0	61.5	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000	59.6	63.5	63.9	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	60.3	64.3	64.5	64.6	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 8000	61.9	66.1	66.5	66.5	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	62.9	67.1	67.4	67.4	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	63.0	67.4	67.7	67.7	68.0	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000	64.5	69.2	69.8	69.8	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	65.2	70.0	70.6	70.6	70.9	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	65.8	71.0	71.7	71.7	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	66.7	71.9	72.7	72.7	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	67.6	73.0	73.8	73.8	74.0	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	70.2	76.1	76.9	76.9	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	72.0	78.5	79.4	79.4	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	73.0	79.5	80.3	80.3	80.6	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1500	75.5	82.6	83.7	83.8	84.1	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1200	77.6	85.9	87.1	87.3	88.0	88.2	88.3	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	78.2	87.7	89.1	89.4	90.0	90.2	90.3	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900	78.4	88.2	89.7	89.9	90.8	91.0	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	78.9	89.2	91.0	91.2	92.0	92.4	92.5	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	79.0	89.8	91.5	92.3	93.1	93.4	93.5	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	79.2	90.3	92.3	93.0	93.9	94.2	94.4	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
≥ 500	79.7	91.1	93.2	94.3	95.5	95.9	96.5	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	79.7	91.1	93.5	94.7	96.0	96.6	97.1	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	79.7	91.1	93.5	94.8	96.1	96.9	97.4	98.4	98.5	98.7	99.0	99.0	99.0	99.0	99.1	99.1
≥ 200	79.7	91.1	93.5	94.8	96.1	96.9	97.5	98.5	98.6	98.8	99.2	99.4	99.5	99.5	99.7	99.7
≥ 100	79.7	91.1	93.5	94.8	96.1	96.9	97.5	98.5	98.6	98.9	99.4	99.5	99.6	99.6	99.8	99.9
≥ 0	79.7	91.1	93.5	94.8	96.1	96.9	97.5	98.5	98.6	98.9	99.4	99.5	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

U3902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	62.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	67.5	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 18000	67.5	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000	67.5	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 14000	68.1	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
≥ 12000	69.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	72.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	72.5	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
≥ 8000	74.5	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	74.8	77.0	77.0	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
≥ 6000	75.6	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	76.6	79.8	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4500	77.3	80.3	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	78.3	81.3	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	79.1	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	81.5	84.5	84.7	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
≥ 2500	84.6	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	86.2	90.0	90.3	90.4	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1800	86.7	90.6	91.0	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
≥ 1500	88.2	92.9	93.2	93.3	93.5	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	89.1	94.0	95.3	95.4	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	89.6	95.1	95.8	95.9	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	89.9	95.6	96.3	96.5	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	90.0	96.1	97.0	97.1	97.3	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	90.2	96.5	97.3	97.4	97.6	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	90.5	97.2	98.1	98.3	98.5	98.5	98.6	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	90.5	97.3	98.3	98.7	99.0	99.0	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	90.5	97.3	98.3	98.8	99.1	99.1	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	90.5	97.3	98.3	98.8	99.1	99.1	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.5	97.3	98.3	98.8	99.1	99.1	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.5	97.3	98.3	98.8	99.1	99.1	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.5	97.3	98.3	98.8	99.1	99.1	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥16	≥4	≥0
NO CEILING	68.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥20000	73.2	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥18000	73.2	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥16000	73.2	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥14000	73.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥12000	75.5	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
≥10000	79.9	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
≥9000	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
≥8000	81.9	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥7000	82.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥6000	83.0	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	84.8
≥5000	84.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥4500	84.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥4000	86.1	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
≥3500	87.1	89.0	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥3000	88.5	90.6	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥2500	89.5	91.8	92.3	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥2000	90.8	93.7	94.1	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥1800	91.2	94.1	94.5	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥1500	91.8	95.2	95.7	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥1200	92.6	96.7	97.4	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥1000	92.9	97.0	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥900	92.9	97.0	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥800	92.9	97.0	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥700	92.9	97.0	97.8	98.3	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥600	93.0	97.1	98.1	98.5	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥500	93.1	97.4	98.5	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥400	93.1	97.5	98.8	99.5	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥300	93.1	97.5	98.8	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥200	93.1	97.5	98.8	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥100	93.1	97.5	98.8	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥0	93.1	97.5	98.8	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥0.16	≥0
NO CEILING	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 20000	75.2	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 18000	75.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 16000	75.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	75.5	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
≥ 12000	77.0	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	77.8
≥ 10000	80.3	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
≥ 9000	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	83.1	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
≥ 7000	84.1	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	85.6
≥ 6000	84.9	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
≥ 5000	85.9	87.6	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
≥ 4500	86.2	88.2	88.4	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
≥ 4000	87.1	89.1	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	87.8	90.1	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	88.8	91.2	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	89.7	92.2	92.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	90.4	93.2	93.8	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
≥ 1800	90.5	93.3	93.9	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	91.9	94.9	95.5	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
≥ 1200	92.0	95.3	95.8	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	92.7	96.0	96.6	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	92.8	96.2	96.8	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	92.9	96.5	97.0	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	92.9	96.5	97.2	97.6	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	92.9	96.5	97.3	97.7	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	92.9	96.7	97.5	98.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	92.9	96.8	97.7	98.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	92.9	96.8	97.8	98.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.9	96.8	97.8	98.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.9	96.8	97.8	98.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.9	96.8	97.8	98.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥1/2	≥0
NO CEILING	72.8	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
≥ 20000	75.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 18000	75.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 16000	75.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	75.7	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 12000	76.6	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 10000	76.8	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	80.6
IV 9000	78.8	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	80.6
IV 8000	80.5	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 7000	81.0	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 6000	81.5	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 5000	82.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
IV 4500	83.0	85.5	85.6	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0
IV 4000	83.1	85.7	85.8	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2
IV 3500	84.1	87.0	87.1	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5
IV 3000	84.7	87.8	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4
IV 2500	85.4	88.6	89.0	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5
IV 2000	87.0	90.2	90.6	90.6	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3
IV 1800	87.4	90.6	91.1	91.1	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7
IV 1500	89.1	92.4	92.8	92.8	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7
IV 1200	90.5	94.1	94.4	94.4	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3
IV 1000	90.8	94.7	95.2	95.2	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
IV 900	90.9	94.8	95.3	95.3	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
IV 800	91.2	95.2	95.7	95.8	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 700	91.4	95.4	95.9	96.1	96.8	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4
IV 600	91.4	95.5	96.1	96.5	97.1	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8	97.8
IV 500	91.5	96.1	96.8	97.2	98.3	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2
IV 400	91.5	96.1	96.8	97.3	98.5	98.6	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
IV 300	91.5	96.1	96.8	97.3	98.5	98.6	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
IV 200	91.5	96.1	96.8	97.3	98.5	98.6	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
IV 100	91.5	96.1	96.8	97.3	98.5	98.6	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7
IV 0	91.5	96.1	96.8	97.3	98.5	98.6	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (151)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	62.4 55.5	64.9 58.2	65.3 58.6	65.4 58.7	65.5 58.8	65.6 58.9	65.6 58.9	65.6 58.9	65.7 58.9	65.7 58.9	65.7 58.9	65.7 58.9	65.7 58.9	65.7 58.9	65.7 58.9	65.8 58.9
IV 18000 IV 16000	65.6 65.6	68.2 68.2	68.6 68.6	68.7 68.7	68.8 68.8	68.9 68.9	68.9 68.9	68.9 68.9	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	69.1 69.1
IV 14000 IV 12000	65.6 67.1	68.2 69.7	68.6 70.2	68.7 70.2	68.8 70.3	68.9 70.4	68.9 70.4	68.9 70.5	69.0 70.5	69.0 70.5	69.0 70.5	69.0 70.5	69.0 70.5	69.0 70.5	69.0 70.5	69.1 70.6
IV 10000 IV 9000	69.6 69.8	72.3 72.5	72.7 73.0	72.9 73.0	72.9 73.1	73.0 73.2	73.0 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.4	73.2 73.4
IV 8000 IV 7000	71.6 72.2	74.6 75.2	75.1 75.7	75.2 75.8	75.3 75.9	75.4 76.0	75.5 76.1	75.5 76.1	75.5 76.1	75.5 76.1	75.5 76.1	75.5 76.1	75.5 76.1	75.5 76.1	75.5 76.1	75.6 76.2
IV 6000 IV 5000	72.7 74.0	75.9 77.6	76.4 78.3	76.5 78.4	76.7 78.5	76.8 78.6	76.8 78.7	76.8 78.7	76.9 78.7	76.9 78.8	76.9 78.8	76.9 78.8	76.9 78.8	76.9 78.8	76.9 78.8	77.0 78.9
IV 4500 IV 4000	74.4 75.1	78.0 78.8	78.7 79.5	78.8 79.7	79.0 79.9	79.1 80.0	79.2 80.1	79.2 80.1	79.2 80.1	79.3 80.1	79.3 80.1	79.3 80.1	79.3 80.1	79.3 80.1	79.3 80.1	79.4 80.3
IV 3500 IV 3000	75.9 77.1	79.6 81.1	80.5 81.9	80.7 82.1	80.9 82.3	81.0 82.4	81.1 82.5	81.1 82.6	81.2 82.6	81.2 82.6	81.2 82.6	81.2 82.6	81.2 82.6	81.2 82.6	81.2 82.6	81.3 82.7
IV 2500 IV 2000	78.4 79.9	82.8 84.6	83.6 85.5	83.8 85.7	84.1 86.0	84.2 86.1	84.3 86.3	84.3 86.3	84.4 86.3	84.4 86.3	84.4 86.3	84.4 86.3	84.4 86.3	84.4 86.3	84.4 86.3	84.5 86.5
IV 1800 IV 1500	80.4 82.1	85.2 87.5	86.1 88.5	86.3 88.7	86.6 89.1	86.8 89.2	86.9 89.3	86.9 89.4	86.9 89.4	87.0 89.4	87.0 89.5	87.0 89.5	87.0 89.5	87.0 89.5	87.0 89.5	87.1 89.6
IV 1200 IV 1000	83.7 84.3	89.7 90.8	90.9 92.1	91.2 92.4	91.6 92.9	91.7 93.1	91.8 93.2	91.9 93.3	92.0 93.3	92.0 93.4	92.0 93.4	92.0 93.4	92.0 93.4	92.0 93.4	92.0 93.4	92.1 93.5
IV 900 IV 800	84.6 85.0	91.3 92.2	92.6 93.5	92.9 93.9	93.5 94.5	93.6 94.7	93.8 94.9	93.9 95.0	94.0 95.0	94.0 95.1	94.0 95.1	94.0 95.1	94.0 95.1	94.0 95.1	94.1 95.1	94.1 95.2
IV 700 IV 600	85.2 85.3	92.6 92.9	94.1 94.4	94.6 95.0	95.2 95.7	95.4 95.9	95.6 96.2	95.8 96.3	95.8 96.4	95.9 96.5	95.9 96.5	95.9 96.5	95.9 96.5	95.9 96.5	95.9 96.5	96.0 96.6
IV 500 IV 400	85.4 85.5	93.4 93.5	95.0 95.2	95.8 96.1	96.8 97.2	97.0 97.4	97.4 97.8	97.6 98.1	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.9 98.5
IV 300 IV 200	85.5 85.5	93.5 93.5	95.3 95.4	96.3 96.4	97.4 97.5	97.6 97.7	98.2 98.3	98.6 98.8	98.8 99.0	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	99.2 99.6
IV 100 IV 0	85.5 85.5	93.5 93.5	95.4 95.4	96.4 96.4	97.5 97.5	97.7 97.7	98.3 98.3	98.8 98.8	99.0 99.0	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	62.6	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4
≥ 20000	63.8	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.7
IV 18000	63.8	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.7
IV 16000	64.0	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9
IV 14000	64.1	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1
IV 12000	64.9	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9
IV 10000	65.0	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0
IV 9000	65.7	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7
IV 8000	66.1	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1
IV 7000	66.8	67.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0
IV 6000	68.7	69.2	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9	69.9
IV 5000	70.4	71.1	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8
IV 4500	71.3	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2
IV 4000	73.0	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9
IV 3500	74.1	75.3	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2
IV 3000	75.4	77.0	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0
IV 2500	78.0	80.0	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2
IV 2000	79.6	81.6	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8
IV 1800	81.2	83.8	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
IV 1600	84.2	87.8	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
IV 1400	84.9	89.3	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2
IV 1200	85.7	89.9	90.6	90.7	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1
IV 1000	86.0	90.9	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2
IV 900	86.3	92.1	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.6	93.6	93.6	93.6
IV 800	86.4	92.8	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
IV 700	86.6	93.4	94.9	95.3	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0
IV 600	86.6	93.6	95.1	95.7	96.3	96.3	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.0
IV 500	86.6	93.6	95.2	95.8	96.6	96.6	96.8	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4
IV 400	86.6	93.6	95.2	95.8	96.6	96.6	96.8	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4
IV 300	86.6	93.6	95.2	95.8	96.6	96.6	96.8	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4
IV 200	86.6	93.6	95.2	95.8	96.6	96.6	96.8	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4
IV 100	86.6	93.6	95.2	95.8	96.6	96.6	96.8	97.1	97.1	97.6	98.0	98.0	98.6	98.9	99.2	99.4
IV 0	86.6	93.6	95.2	95.8	96.6	96.6	96.8	97.1	97.1	97.6	98.0	98.0	98.6	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

66-70, 73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0600
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	59.7	60.9	61.4	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.9	61.9	62.1	62.1	62.1	62.4
≥ 20000	60.9	62.1	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.3	63.3	63.3	63.7
IV 18000	60.9	62.1	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.3	63.3	63.3	63.7
IV 16000	60.9	62.1	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.3	63.3	63.3	63.7
IV 14000	61.0	62.2	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.4	63.4	63.4	63.8
IV 12000	61.0	62.2	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.4	63.4	63.4	63.8
IV 10000	61.7	62.9	63.4	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.9	63.9	64.1	64.1	64.1	64.4
IV 9000	61.8	63.0	63.6	63.7	63.8	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.2	64.2	64.2	64.6
IV 8000	62.0	63.2	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.4	64.4	64.4	64.8
IV 7000	62.6	63.8	64.3	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	65.0	65.0	65.0	65.3
IV 6000	63.9	65.2	66.0	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.7	66.7	66.7	67.0
IV 5000	65.1	66.4	67.3	67.4	67.6	67.6	67.6	67.7	67.7	67.7	67.8	67.8	68.0	68.0	68.0	68.3
IV 4500	65.9	67.3	68.2	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.9	68.9	68.9	69.2
IV 4000	67.0	69.2	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.5	70.6	70.8	70.8	70.8	71.1
IV 3500	68.1	70.6	71.4	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.9	71.9	72.1	72.1	72.1	72.4
IV 3000	69.6	72.2	73.1	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.6	73.6	73.8	73.8	73.8	74.1
IV 2500	70.4	73.6	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.1	75.1	75.3	75.3	75.3	75.7
IV 2000	72.6	75.9	76.9	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.7	77.7	77.9	77.9	77.9	78.2
IV 1800	74.7	78.0	79.1	79.4	79.7	79.7	79.7	79.8	79.8	79.8	80.0	80.0	80.2	80.2	80.2	80.6
IV 1500	77.1	81.6	82.7	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.6	83.6	83.8	83.8	83.8	84.1
IV 1200	79.2	84.7	85.9	86.2	86.4	86.4	86.4	86.6	86.6	86.6	86.8	86.8	87.0	87.0	87.0	87.3
IV 1000	80.1	86.1	87.4	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.6	88.6	88.8	88.8	88.8	89.1
IV 900	81.0	87.3	88.9	89.4	89.7	89.8	89.8	89.9	89.9	89.9	90.1	90.1	90.3	90.3	90.3	90.7
IV 800	81.3	87.9	89.4	90.0	90.2	90.3	90.3	90.4	90.4	90.4	90.7	90.7	90.9	90.9	90.9	91.2
IV 700	81.9	89.6	91.2	91.8	92.1	92.3	92.3	92.4	92.4	92.4	92.7	92.7	92.9	92.9	92.9	93.2
IV 600	82.0	90.1	92.2	92.8	93.1	93.3	93.3	93.6	93.6	93.6	93.8	93.8	94.0	94.0	94.0	94.3
IV 500	82.0	90.9	93.1	93.7	94.1	94.4	94.4	94.7	94.7	94.7	95.1	95.1	95.3	95.3	95.3	95.7
IV 400	82.0	91.0	93.3	94.1	94.6	95.0	95.2	95.4	95.4	95.6	96.0	96.0	96.2	96.2	96.2	96.6
IV 300	82.0	91.0	93.4	94.2	94.7	95.2	95.7	96.1	96.3	96.6	97.1	97.1	97.3	97.3	97.3	97.9
IV 200	82.0	91.0	93.4	94.2	94.7	95.2	95.7	96.1	96.4	96.8	97.4	97.6	98.1	98.2	98.2	99.0
IV 100	82.0	91.0	93.4	94.2	94.7	95.2	95.7	96.1	96.4	96.8	97.4	97.6	98.3	98.4	98.8	99.6
IV 0	82.0	91.0	93.4	94.2	94.7	95.2	95.7	96.1	96.4	96.8	97.4	97.6	98.3	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS - U.S.T.

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥.	≥0
NO CEILING	50.7	54.8	55.6	55.9	56.3	56.3	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.1
≥ 20000	52.3	56.6	57.6	57.9	58.3	58.3	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.1
IV 18000	52.3	56.6	57.6	57.9	58.3	58.3	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.1
IV 16000	52.3	56.6	57.6	57.9	58.3	58.3	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.1
IV 14000	52.4	56.7	57.7	58.0	58.4	58.4	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.2
IV 12000	52.9	57.2	58.2	58.7	59.1	59.1	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.9
IV 10000	54.4	58.9	59.9	60.3	60.8	60.8	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.6
IV 9000	54.4	58.9	59.9	60.3	60.8	60.8	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.6
IV 8200	55.4	59.9	60.9	61.3	61.8	61.8	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.6
IV 7000	56.2	60.9	61.9	62.3	62.8	62.8	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.6
IV 6000	57.7	62.8	63.8	64.2	64.7	64.7	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.4
IV 5000	58.3	62.4	64.8	65.2	65.7	65.7	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.4
IV 4500	59.4	64.7	66.0	66.4	66.9	66.9	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.7
IV 4000	60.2	65.9	67.2	67.8	68.2	68.2	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	69.0
IV 3500	61.3	67.2	68.7	69.2	69.7	69.7	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.4
IV 3000	62.2	68.3	69.8	70.4	70.9	70.9	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.7
IV 2500	64.0	70.2	71.8	72.4	72.9	72.9	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.7
IV 2000	66.7	73.1	74.9	75.6	76.0	76.0	76.3	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.8
IV 1800	68.0	74.7	76.4	77.1	77.6	77.6	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.3
IV 1500	70.4	77.9	79.7	80.3	80.8	80.8	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.6
IV 1200	72.4	80.6	82.3	83.0	83.6	83.6	83.9	84.0	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.4
IV 1000	73.3	81.9	83.8	84.4	85.0	85.0	85.4	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	86.0
IV 900	74.6	84.0	85.9	86.7	87.2	87.3	87.8	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.3
IV 800	74.6	84.4	86.7	87.7	88.3	88.4	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.4
IV 700	74.7	85.6	88.1	89.4	90.2	90.4	90.9	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.4
IV 600	74.8	85.9	88.6	89.9	90.8	91.0	91.4	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	92.0
IV 500	74.8	86.4	89.4	90.9	92.1	92.3	92.8	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.4
IV 400	74.9	86.7	89.7	91.2	92.8	93.1	93.9	94.1	94.1	94.2	94.4	94.4	94.4	94.4	94.6	94.8
IV 300	74.9	86.7	89.7	91.2	93.0	93.3	94.6	95.4	95.7	96.0	96.3	96.3	96.3	96.3	96.4	96.8
IV 200	74.9	86.7	89.7	91.2	93.0	93.3	94.6	95.4	96.2	96.9	97.4	97.4	97.4	97.7	98.2	98.6
IV 100	74.9	86.7	89.7	91.2	93.0	93.3	94.6	95.4	96.2	97.0	97.7	97.7	97.7	97.9	98.9	99.4
IV 0	74.9	86.7	89.7	91.2	93.0	93.3	94.6	95.4	96.2	97.0	97.7	97.7	97.7	97.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥1	≥0
NO CEILING	52.3	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	54.3	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	54.3	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	54.3	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	54.4	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	55.4	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	57.1	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	57.2	60.7	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	58.3	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	59.6	63.0	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	60.2	63.8	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	60.6	64.1	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 4500	61.8	65.3	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4000	62.6	66.3	67.1	67.2	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	63.9	67.7	68.6	68.7	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3000	65.3	69.1	70.0	70.4	70.7	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	68.6	72.4	73.3	73.9	74.1	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	71.4	75.7	76.6	77.1	77.3	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	72.3	77.1	78.0	78.6	78.8	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1500	76.7	82.1	83.0	83.6	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200	78.6	84.9	85.8	86.3	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	79.3	86.3	87.3	87.9	88.1	88.2	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 900	79.7	87.7	89.4	90.0	90.2	90.3	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	79.9	88.3	90.3	90.9	91.3	91.4	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	80.2	89.0	91.0	91.9	92.3	92.4	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	80.7	89.8	91.8	92.7	93.3	93.4	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 500	80.8	90.1	92.1	93.1	94.0	94.1	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	80.9	90.3	92.6	93.7	94.8	95.0	95.7	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 300	81.1	90.6	92.8	93.9	95.2	95.4	96.3	96.6	97.2	97.3	97.3	97.3	97.9	97.9	97.9	97.9
≥ 200	81.1	90.6	92.8	93.9	95.2	95.4	96.3	96.6	97.3	97.6	97.6	98.0	98.6	98.7	99.1	99.1
≥ 100	81.1	90.6	92.8	93.9	95.2	95.4	96.3	96.6	97.3	97.6	98.0	98.0	98.7	98.8	99.2	99.6
≥ 0	81.1	90.6	92.8	93.9	95.2	95.4	96.3	96.6	97.3	97.6	98.0	98.0	98.7	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

65-70,73-79

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.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	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	60.2	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
≥ 18000	60.2	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
≥ 16000	60.2	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
≥ 14000	60.9	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 12000	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	65.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	65.2	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	66.7
≥ 8000	67.2	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	68.7	68.7
≥ 7000	67.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000	69.2	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 5000	70.4	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500	70.7	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	71.7	73.4	73.4	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
≥ 3500	74.4	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3000	77.1	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500	81.6	83.7	83.8	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	83.9	86.1	86.2	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
≥ 1800	85.4	87.7	87.8	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1500	86.7	89.2	89.4	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	87.7	91.6	91.8	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	87.9	92.7	92.9	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	87.9	92.9	93.1	93.2	93.3	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	88.2	93.9	94.1	94.2	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	88.3	94.6	94.9	95.0	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	88.4	94.9	95.2	95.6	95.9	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	88.6	95.1	95.9	96.4	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	88.6	95.3	96.2	96.8	97.7	98.0	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	88.6	95.3	96.3	96.9	97.8	98.1	98.6	98.9	98.9	99.1	99.3	99.3	99.3	99.3	99.4	99.4
≥ 200	88.6	95.3	96.3	96.9	97.8	98.1	98.6	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.6	99.6
≥ 100	88.6	95.3	96.3	96.9	97.8	98.1	98.6	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.6	99.6
≥ 0	88.6	95.3	96.3	96.9	97.8	98.1	98.6	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

960

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	61.3	61.8	61.8	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	65.1	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 18000	65.2	65.8	65.8	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	65.2	65.8	65.8	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	65.9	66.4	66.4	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	67.3	67.9	67.9	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	71.0	71.0	71.6	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000	71.0	71.0	71.6	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	72.4	73.2	73.2	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 7000	73.7	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000	75.1	76.1	76.1	76.2	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	76.6	77.6	77.6	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	77.6	78.6	78.6	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000	79.9	81.0	81.0	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500	81.9	83.0	83.0	83.2	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	83.9	85.2	85.3	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
≥ 2500	86.2	87.7	87.9	88.2	88.4	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	87.1	88.7	88.9	89.2	89.4	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	87.6	89.1	89.3	89.7	89.9	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	88.2	90.1	90.3	90.7	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200	89.1	92.0	92.3	92.7	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	89.3	93.1	93.6	93.9	94.4	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	89.6	93.4	93.9	94.2	94.9	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	89.6	93.4	94.0	94.3	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700	89.7	93.9	94.4	94.9	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	89.8	94.4	95.1	95.7	96.6	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	89.9	94.7	95.7	96.3	97.4	97.7	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	89.9	94.7	95.8	96.6	98.0	98.2	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	89.9	94.7	95.8	96.6	98.1	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	89.9	94.7	95.8	96.6	98.1	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	89.9	94.7	95.8	96.6	98.1	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	89.9	94.7	95.8	96.6	98.1	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 700

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.5	≥.5	≥.6	≥.4
NO CEILING	66.2	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
≥ 20000	69.4	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	70.3
≥ 18000	69.6	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
≥ 16000	69.6	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
≥ 14000	70.2	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 12000	70.6	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	73.1	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	73.2	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	75.3	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	76.2	76.2	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
≥ 6000	76.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	78.7	80.2	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
≥ 4500	79.9	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	81.2	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	82.6	84.3	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
≥ 3000	84.2	86.1	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
≥ 2500	85.9	87.8	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
≥ 2000	86.8	88.7	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
≥ 1800	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	87.6	89.6	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	88.2	90.7	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1000	88.2	91.0	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 900	88.4	91.8	92.9	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	88.8	92.4	93.7	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	89.0	93.1	94.8	95.1	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	89.0	93.4	95.2	95.6	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	89.0	93.4	95.4	95.9	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	89.1	93.6	95.9	96.3	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	89.1	93.8	95.9	96.4	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	89.1	93.8	95.9	96.4	97.8	97.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	89.1	93.8	95.9	96.4	97.8	97.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	89.1	93.8	95.9	96.4	97.8	97.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 500

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 20000	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 10000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	75.1	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
≥ 6000	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	77.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	78.8	80.0	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
≥ 4000	79.4	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
≥ 3500	80.7	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	81.0	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
≥ 2500	82.8	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	84.9
≥ 2000	84.4	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
≥ 1800	85.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	86.2	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	88.7
≥ 1200	87.3	89.9	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
≥ 1000	88.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	88.0	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	88.4	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	88.6	93.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	88.6	93.9	95.3	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
≥ 500	88.6	94.1	95.6	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400	88.8	94.6	96.1	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	88.8	94.6	96.2	96.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	88.8	94.6	96.2	96.8	97.4	97.8	98.2	98.3	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	88.8	94.6	96.2	96.8	97.4	97.8	98.2	98.3	98.3	98.4	98.8	98.8	98.8	99.2	99.3	99.4
≥ 0	88.8	94.6	96.2	96.8	97.4	97.8	98.2	98.3	98.3	98.4	98.8	98.8	98.8	99.2	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING	59.8	61.1	61.3	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7
≥ 7000	62.1	63.5	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2
W 18000	62.2	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2
W 16000	62.2	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2
W 14000	62.5	63.9	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6
W 12000	63.1	64.5	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2
W 10000	65.0	66.6	66.9	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
W 9000	65.1	66.7	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
W 8000	66.4	68.0	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.8
W 7000	67.1	68.8	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.6
W 6000	68.2	70.1	70.5	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	71.0
W 5000	69.5	71.5	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.5
W 4500	70.6	72.6	73.1	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6
W 4000	71.7	74.1	74.6	74.7	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1
W 3500	73.2	75.7	76.3	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8
W 3000	74.7	77.3	77.9	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5
W 2500	76.9	79.6	80.3	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	81.0
W 2000	78.9	81.8	82.5	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.3
W 1800	80.0	83.0	83.7	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.5
W 1500	81.8	85.3	86.1	86.3	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8
W 1200	83.3	87.8	88.5	88.8	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
W 1000	83.9	89.0	89.8	90.1	90.3	90.4	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7
W 900	84.3	89.8	90.9	91.1	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8
W 800	84.6	90.5	91.6	92.0	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8
W 700	84.8	91.4	92.8	93.3	93.7	93.8	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2
W 600	85.0	91.9	93.4	94.0	94.5	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
W 500	85.0	92.3	94.0	94.7	95.5	95.8	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.3
W 400	85.1	92.5	94.3	95.1	96.0	96.3	96.7	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.2
W 300	85.1	92.5	94.4	95.2	96.3	96.6	97.2	97.4	97.6	97.7	97.9	97.9	98.0	98.0	98.1	98.2
W 200	85.1	92.5	94.4	95.2	96.3	96.6	97.2	97.6	97.8	98.1	98.5	98.5	98.7	98.8	98.9	99.1
W 100	85.1	92.5	94.4	95.2	96.3	96.6	97.2	97.6	97.8	98.1	98.5	98.5	98.9	99.0	99.3	99.6
W 0	85.1	92.5	94.4	95.2	96.3	96.6	97.2	97.6	97.8	98.1	98.5	98.5	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT WOOD)
STATION NAME

66-70.73-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS U.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	63.6	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	65.3	65.3	65.3	65.4	65.4	65.4	65.4
≥ 20000	65.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3
IV 18000	65.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3
IV 16000	65.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3
IV 14000	65.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	67.2	67.2	67.2	67.3	67.3	67.3	67.3
IV 12000	66.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.9	67.9	67.9	68.0	68.0	68.0	68.0
IV 10000	68.5	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	70.1	70.1	70.1	70.2	70.2	70.2	70.2
IV 9000	68.5	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	70.1	70.1	70.1	70.2	70.2	70.2	70.2
IV 8000	69.3	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.9	70.9	70.9	71.0	71.0	71.0	71.0
IV 7000	70.0	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.6	71.6	71.6	71.7	71.7	71.7	71.7
IV 6000	70.6	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	72.2	72.2	72.2	72.3	72.3	72.3	72.3
IV 5000	71.8	72.8	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.7	73.7	73.7	73.8	73.8	73.8	73.8
IV 4500	73.0	74.0	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.9	74.9	74.9	75.0	75.0	75.0	75.0
IV 4000	73.1	74.1	74.5	74.5	74.6	74.6	74.6	74.6	74.6	75.1	75.1	75.1	75.2	75.2	75.2	75.2
IV 3500	73.6	74.5	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.5	75.5	75.5	75.6	75.6	75.6	75.6
IV 3000	75.0	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	77.1	77.1	77.1	77.2	77.2	77.2	77.2
IV 2500	77.2	78.7	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	79.8	79.8	79.8	79.8
IV 2000	79.1	80.8	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.9	81.9	81.9	82.0	82.0	82.0	82.0
IV 1800	79.4	81.1	81.6	81.6	81.7	81.7	81.7	81.8	81.8	82.2	82.2	82.2	82.3	82.3	82.3	82.3
IV 1500	81.3	83.3	83.7	83.7	83.8	83.8	83.8	83.9	83.9	84.4	84.4	84.4	84.5	84.5	84.5	84.5
IV 1200	83.0	85.3	85.8	85.8	86.0	86.0	86.0	86.1	86.1	86.5	86.5	86.5	86.6	86.6	86.6	86.6
IV 1000	83.5	86.1	86.5	86.5	86.7	86.7	86.8	86.9	86.9	87.4	87.4	87.4	87.5	87.5	87.5	87.5
IV 900	83.6	86.6	87.2	87.2	87.4	87.4	87.5	87.6	87.6	88.0	88.0	88.0	88.1	88.1	88.2	88.2
IV 800	84.0	87.6	88.1	88.1	88.3	88.3	88.5	88.6	88.6	89.0	89.0	89.0	89.1	89.1	89.2	89.2
IV 700	84.3	88.2	89.0	89.0	89.2	89.2	89.3	89.4	89.4	89.9	89.9	89.9	90.0	90.0	90.1	90.1
IV 600	84.7	89.0	90.1	90.2	90.7	90.7	90.8	91.2	91.2	91.6	91.6	91.6	91.7	91.7	91.8	91.8
IV 500	85.2	89.8	90.9	91.2	92.2	92.3	92.6	93.1	93.1	93.5	93.5	93.5	93.6	93.6	93.7	93.7
IV 400	85.2	90.0	91.2	91.4	92.7	92.9	93.3	94.2	94.2	94.6	94.6	94.6	94.7	94.7	94.8	94.8
IV 300	85.7	90.0	91.2	91.5	92.9	93.1	93.6	94.6	94.7	95.1	95.5	95.5	95.9	96.0	96.1	96.1
IV 200	85.3	90.1	91.3	91.6	93.0	93.2	93.7	95.0	95.4	96.2	96.3	96.8	97.5	97.6	98.1	98.3
IV 100	85.4	90.2	91.4	91.7	93.1	93.3	93.9	95.4	95.7	96.7	97.4	97.4	98.3	98.5	99.1	99.7
IV 0	85.4	90.2	91.4	91.7	93.1	93.3	93.9	95.4	95.7	96.7	97.4	97.4	98.3	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS - LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	59.9	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 20000	61.5	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 18000	61.5	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 16000	61.5	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 14000	61.8	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.5
≥ 12000	62.3	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	64.0
≥ 10000	63.8	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5
≥ 9000	63.8	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5
≥ 8000	64.9	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.7
≥ 7000	65.2	66.3	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	67.0
≥ 6000	65.7	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.5
≥ 5000	67.6	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.8
≥ 4500	68.5	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.6
≥ 4000	69.0	70.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	71.2
≥ 3500	69.1	70.3	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	71.3
≥ 3000	69.7	70.9	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.6
≥ 2500	71.8	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.9	73.9	73.9	73.9	73.9	73.9	74.3
≥ 2000	73.8	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	76.3
≥ 1800	75.1	76.6	76.6	76.6	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.7
≥ 1500	77.6	79.2	79.2	79.2	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.6
≥ 1200	81.2	83.3	83.3	83.3	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.8
≥ 1000	81.7	84.2	84.2	84.2	85.1	85.1	85.1	85.1	85.1	85.6	85.6	85.6	85.6	85.6	85.6	86.0
≥ 900	82.3	85.1	85.1	85.1	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	87.1
≥ 800	83.1	86.3	86.3	86.3	87.2	87.2	87.2	87.2	87.2	88.0	88.0	88.0	88.0	88.0	88.0	89.0
≥ 700	83.3	86.7	86.7	86.7	87.5	87.5	87.5	87.5	87.5	88.4	88.4	88.4	88.4	88.4	88.4	89.5
≥ 600	83.4	87.2	87.2	87.2	88.2	88.2	88.2	88.2	88.2	89.0	89.0	89.0	89.0	89.0	89.0	90.5
≥ 500	83.5	88.1	88.1	88.1	89.0	89.0	89.0	89.0	89.0	90.4	90.4	90.4	90.4	90.4	90.4	91.8
≥ 400	83.7	88.3	88.3	88.3	89.4	89.4	89.4	89.4	89.4	91.1	91.1	91.1	91.1	91.1	91.1	92.6
≥ 300	83.7	88.3	88.3	88.3	89.4	89.4	89.4	89.4	89.4	91.1	91.1	91.1	91.1	91.1	91.1	93.9
≥ 200	83.7	88.3	88.3	88.3	89.4	89.4	89.4	89.4	89.4	91.1	91.1	91.1	91.1	91.1	91.1	94.6
≥ 100	83.7	88.3	88.3	88.3	89.4	89.4	89.4	89.4	89.4	91.1	91.1	91.1	91.1	91.1	91.1	94.8
≥ 0	83.7	88.3	88.3	88.3	89.4	89.4	89.4	89.4	89.4	91.1	91.1	91.1	91.1	91.1	91.1	95.2

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOO)

68-70,73-79

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	54.4	56.3	56.4	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	57.2
≥ 20000	57.7	59.6	59.7	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.5
IV 18000	57.7	59.6	59.7	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.5
IV 16000	57.7	59.6	59.7	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.5
IV 14000	57.7	59.6	59.7	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.5
IV 12000	58.6	60.5	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.4
IV 10000	60.7	62.6	62.8	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.5
IV 9000	60.8	62.8	62.9	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.6
IV 8000	62.3	64.3	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	65.1
IV 7000	63.1	65.3	65.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.2
IV 6000	63.7	66.0	66.1	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.8
IV 5000	65.8	68.1	68.5	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.2
IV 4500	66.3	68.7	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.8
IV 4000	66.8	69.2	69.5	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.3
IV 3500	67.3	69.6	70.1	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.9
IV 3000	68.0	70.5	70.9	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.8
IV 2500	69.5	72.1	72.6	72.8	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.5
IV 2000	71.6	74.6	75.1	75.3	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0	76.2
IV 1800	72.8	76.2	76.7	77.0	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.8
IV 1500	74.2	78.1	78.7	78.9	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.5	79.5	79.8
IV 1200	75.8	81.1	82.0	82.2	82.6	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.2
IV 1000	77.0	82.7	83.6	83.9	84.3	84.4	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.9	84.9	85.1
IV 900	77.7	83.7	85.0	85.3	85.8	85.9	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.8
IV 800	78.3	84.8	86.2	86.5	87.1	87.2	87.3	87.4	87.5	87.6	87.6	87.6	87.6	87.8	87.8	88.1
IV 700	78.8	86.0	87.6	88.1	88.8	89.0	89.1	89.2	89.3	89.5	89.5	89.5	89.5	89.7	89.7	89.9
IV 600	79.0	87.1	88.8	89.6	90.6	91.0	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.7	91.7	91.9
IV 500	79.0	87.4	89.2	90.1	91.3	91.8	92.1	92.2	92.4	92.5	92.6	92.6	92.6	92.9	92.9	93.1
IV 400	79.0	87.4	89.7	90.6	91.9	92.6	93.0	93.2	93.3	93.5	93.6	93.6	93.6	94.0	94.0	94.2
IV 300	79.0	87.4	89.8	90.9	92.2	93.0	93.4	93.9	94.0	94.2	94.3	94.3	94.3	94.7	94.7	95.2
IV 200	79.0	87.4	89.8	90.9	92.2	93.0	93.5	94.1	94.2	94.4	94.6	94.6	94.6	95.8	96.1	97.3
IV 100	79.0	87.4	89.8	90.9	92.2	93.0	93.5	94.1	94.2	94.4	94.6	94.7	94.7	96.0	96.7	98.7
IV 0	79.0	87.4	89.8	90.9	92.2	93.0	93.5	94.1	94.2	94.4	94.6	94.7	94.7	96.1	96.8	98.0

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	50.9	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8
≥ 20000	55.6	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5
≥ 18000	55.8	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
≥ 16000	56.0	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0
≥ 14000	57.1	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
≥ 12000	58.8	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8
≥ 10000	60.6	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6
≥ 9000	60.8	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7
≥ 8000	62.2	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 7000	63.2	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
≥ 6000	64.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5
≥ 5000	65.7	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3
≥ 4500	66.5	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4
≥ 4000	66.9	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8
≥ 3500	67.3	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2
≥ 3000	68.7	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2
≥ 2500	70.9	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5
≥ 2000	74.8	78.3	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7
≥ 1800	76.0	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3
≥ 1500	78.0	82.8	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3
≥ 1200	79.2	84.7	84.9	85.2	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 1000	80.0	86.6	86.9	87.2	87.3	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0
≥ 900	80.1	86.9	87.4	87.8	88.1	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 800	80.4	87.5	88.2	88.6	88.8	88.8	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6
≥ 700	80.6	88.3	89.2	89.5	89.7	89.7	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4
≥ 600	80.8	88.9	89.9	90.5	90.9	91.0	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8
≥ 500	81.0	89.4	90.3	91.5	92.0	92.4	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.7	93.7	93.7
≥ 400	81.1	89.5	90.5	91.8	92.6	92.9	94.0	94.5	94.6	94.7	94.7	94.7	94.7	94.9	94.9	94.9
≥ 300	81.1	89.5	90.5	91.9	93.0	93.4	94.7	95.6	95.7	95.9	95.9	95.9	95.9	96.1	96.1	96.1
≥ 200	81.1	89.5	90.5	91.9	93.0	93.4	94.8	95.7	95.9	96.5	96.9	96.9	96.9	98.1	98.2	98.6
≥ 100	81.1	89.5	90.5	91.9	93.0	93.4	94.8	95.7	95.9	96.6	97.0	97.0	97.0	98.2	98.4	99.1
≥ 0	81.1	89.5	90.5	91.9	93.0	93.4	94.8	95.7	95.9	96.6	97.0	97.0	97.0	98.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	52.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000	63.0	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	63.3	63.3
IV 16000	63.0	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	63.3	63.3
≥ 14000	64.6	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	64.9
IV 12000	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	68.7	68.9	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 9000	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 7000	71.3	71.7	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	71.8
≥ 6000	72.2	72.6	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 5000	74.2	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	74.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	74.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	75.7	76.7	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
IV 3000	77.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	79.7	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2000	83.0	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	83.9	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1500	85.7	87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200	86.7	89.8	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1000	87.2	90.9	91.5	91.6	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	87.5	91.3	91.9	92.3	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 800	87.8	92.0	92.7	93.0	93.2	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 700	88.0	92.2	93.1	93.4	93.8	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	88.2	92.7	93.9	94.2	94.7	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	88.2	92.8	94.3	94.7	95.5	95.9	96.1	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 400	88.2	92.9	94.4	94.8	95.9	96.5	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	88.2	92.9	94.4	94.9	96.0	96.8	97.5	98.2	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	88.2	92.9	94.4	94.9	96.0	96.8	97.6	98.3	98.6	98.9	99.1	99.1	99.2	99.4	99.4	99.4
≥ 100	88.2	92.9	94.4	94.9	96.0	96.8	97.6	98.3	98.6	98.9	99.1	99.1	99.4	99.6	99.6	99.6
IV 0	88.2	92.9	94.4	94.9	96.0	96.8	97.6	98.3	98.6	98.9	99.1	99.1	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FOR JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS-TEST

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 18000	67.8	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
≥ 16000	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 12000	71.0	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000	73.3	73.6	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
≥ 9000	73.3	73.6	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
≥ 8000	74.3	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	74.8
≥ 7000	75.3	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
≥ 6000	76.8	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	77.6	77.6
≥ 5000	78.6	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4500	79.7	80.3	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	81.0	81.6	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500	82.3	82.9	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	83.8	84.6	84.7	84.7	84.8	84.8	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	84.9	86.0	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	87.2	88.3	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	87.4	88.5	88.7	88.7	88.8	88.8	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500	88.2	89.2	89.5	89.5	89.6	89.6	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	88.7	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	88.7	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 900	88.8	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 800	88.9	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 700	89.0	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 600	89.0	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 500	89.1	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 400	89.1	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 300	89.1	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 200	89.1	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 100	89.1	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 0	89.1	89.3	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03932
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	66.5	67.9	68.3	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5
≥ 20000	66.6	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.7	70.7	70.7	70.7
IV 18000	69.0	70.4	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1
IV 16000	69.1	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2
IV 14000	69.7	71.1	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7
IV 12000	71.5	73.0	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7
IV 10000	73.7	75.2	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
IV 9000	73.7	75.2	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
IV 8000	74.4	75.9	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6
IV 7000	75.4	76.9	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.6	77.6	77.6	77.6
IV 6000	76.8	78.3	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.0
IV 5000	78.2	79.9	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6
IV 4500	79.5	81.3	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0
IV 4000	81.7	83.5	83.8	83.8	83.9	83.9	84.1	84.1	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4
IV 3500	82.3	84.3	84.6	84.6	84.7	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.1
IV 3000	83.0	84.9	85.3	85.3	85.4	85.4	85.7	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9
IV 2500	83.6	85.7	86.1	86.1	86.2	86.2	86.5	86.5	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7
IV 2000	84.5	86.7	87.5	87.5	87.6	87.6	87.9	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1
IV 1800	84.8	87.3	88.0	88.0	88.1	88.1	88.5	88.5	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7
IV 1500	85.4	88.3	89.3	89.3	89.4	89.4	89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0
IV 1200	85.9	89.3	90.5	90.5	90.6	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.2	91.2	91.2	91.2
IV 1000	86.2	90.2	91.6	91.6	91.8	91.8	92.1	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3
IV 900	86.4	90.6	92.3	92.3	92.8	92.8	93.2	93.2	93.5	93.5	93.6	93.6	93.7	93.7	93.7	93.7
IV 800	86.6	91.0	92.8	92.8	93.2	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7
IV 700	86.6	91.0	92.9	93.0	93.5	93.5	93.9	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1
IV 600	87.1	91.8	94.0	94.2	94.9	95.0	95.4	95.4	95.4	95.5	95.5	95.5	95.7	95.8	95.8	95.8
IV 500	87.2	91.9	94.2	94.6	95.9	96.0	96.5	96.8	96.8	96.9	96.9	96.9	97.1	97.2	97.2	97.2
IV 400	87.3	92.0	94.3	94.8	96.1	96.3	97.1	97.3	97.3	97.4	97.4	97.4	97.6	97.7	97.7	97.7
IV 300	87.3	92.0	94.3	94.8	96.1	96.3	97.2	97.5	97.5	97.8	97.8	97.8	98.1	98.3	98.3	98.3
IV 200	87.3	92.0	94.3	94.8	96.1	96.3	97.2	97.6	97.7	98.1	98.5	98.6	98.8	99.0	99.2	99.2
IV 100	87.3	92.0	94.3	94.8	96.1	96.3	97.2	97.6	97.7	98.2	98.6	98.7	99.1	99.4	99.9	100.0
IV 0	87.3	92.0	94.3	94.8	96.1	96.3	97.2	97.6	97.7	98.2	98.6	98.7	99.1	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

927

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-79

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	65.2	66.2	66.9	67.0	67.1	67.1	67.3	67.3	67.3	67.5	67.9	67.9	68.0	68.0	68.0	68.0
≥ 20000	66.0	68.0	68.6	68.7	68.8	68.8	69.0	69.0	69.0	69.3	69.6	69.6	69.7	69.7	69.7	69.7
≥ 18000	66.9	68.0	68.6	68.7	68.8	68.8	69.0	69.0	69.0	69.3	69.6	69.6	69.7	69.7	69.7	69.7
≥ 16000	66.9	68.0	68.6	68.7	68.8	68.8	69.0	69.0	69.0	69.3	69.6	69.6	69.7	69.7	69.7	69.7
≥ 14000	66.9	68.0	68.6	68.7	68.8	68.8	69.0	69.0	69.0	69.3	69.6	69.6	69.7	69.7	69.7	69.7
≥ 12000	67.9	68.9	69.6	69.7	69.8	69.8	70.0	70.0	70.0	70.2	70.6	70.6	70.7	70.7	70.7	70.7
≥ 10000	70.7	71.7	72.4	72.5	72.6	72.6	72.8	72.8	72.8	73.0	73.4	73.4	73.5	73.5	73.5	73.5
≥ 9000	70.7	71.7	72.4	72.5	72.6	72.6	72.8	72.8	72.8	73.0	73.4	73.4	73.5	73.5	73.5	73.5
≥ 8000	71.1	72.4	73.0	73.1	73.2	73.2	73.5	73.5	73.5	73.7	74.0	74.0	74.1	74.1	74.1	74.1
≥ 7000	72.1	73.4	74.0	74.1	74.2	74.2	74.4	74.4	74.4	74.6	75.0	75.0	75.1	75.1	75.1	75.1
≥ 6000	72.2	73.5	74.1	74.2	74.3	74.3	74.5	74.5	74.5	74.8	75.1	75.1	75.2	75.2	75.2	75.2
≥ 5000	74.0	75.3	75.9	76.2	76.3	76.3	76.5	76.5	76.5	76.7	77.0	77.0	77.1	77.1	77.1	77.1
≥ 4500	75.5	76.8	77.5	77.7	77.8	77.8	78.0	78.0	78.0	78.2	78.5	78.5	78.6	78.6	78.6	78.6
≥ 4000	76.3	77.7	78.3	78.6	78.7	78.7	79.0	79.0	79.0	79.2	79.5	79.5	79.6	79.6	79.6	79.6
≥ 3500	76.9	78.4	79.2	79.5	79.6	79.6	79.8	79.8	79.8	80.0	80.4	80.4	80.5	80.5	80.5	80.5
≥ 3000	78.6	80.3	81.0	81.3	81.4	81.4	81.7	81.7	81.7	81.9	82.2	82.2	82.3	82.3	82.3	82.3
≥ 2500	79.3	81.2	82.0	82.3	82.4	82.4	82.6	82.6	82.6	82.8	83.2	83.2	83.3	83.3	83.3	83.3
≥ 2000	81.6	83.7	84.7	85.1	85.2	85.2	85.4	85.4	85.4	85.7	86.0	86.0	86.1	86.1	86.2	86.2
≥ 1800	82.7	84.4	85.3	85.8	85.9	85.9	86.1	86.1	86.1	86.3	86.6	86.6	86.7	86.7	86.8	86.8
≥ 1500	82.7	85.0	86.0	86.5	86.6	86.6	86.8	86.8	86.8	87.1	87.4	87.4	87.5	87.5	87.6	87.6
≥ 1200	83.5	86.3	87.3	87.8	87.9	87.9	88.1	88.1	88.1	88.3	88.7	88.7	88.8	88.8	88.9	88.9
≥ 1000	83.9	87.2	88.1	88.7	88.8	88.8	89.0	89.0	89.0	89.2	89.5	89.5	89.6	89.6	89.8	89.8
≥ 900	84.3	87.6	88.7	89.3	89.5	89.5	89.8	89.8	89.8	90.0	90.3	90.3	90.4	90.4	90.5	90.5
≥ 800	84.3	88.1	89.2	89.9	90.1	90.1	90.3	90.3	90.3	90.5	90.8	90.8	90.9	90.9	91.0	91.0
≥ 700	84.8	88.3	89.4	90.1	90.3	90.4	90.7	90.7	90.8	91.0	91.4	91.4	91.5	91.5	91.6	91.6
≥ 600	85.1	88.8	90.6	91.6	91.9	92.0	92.3	92.3	92.4	92.7	93.0	93.0	93.1	93.1	93.2	93.2
≥ 500	85.4	89.6	91.5	92.7	93.4	93.5	93.9	94.0	94.2	94.6	94.9	94.9	95.0	95.0	95.1	95.1
≥ 400	85.4	89.9	92.0	92.9	93.7	94.2	94.7	94.8	95.1	95.6	95.9	95.9	96.0	96.0	96.1	96.1
≥ 300	95.5	90.3	92.4	93.3	94.3	94.8	95.5	95.9	96.4	97.0	97.4	97.4	97.6	97.6	97.7	97.7
≥ 200	85.5	90.3	92.4	93.3	94.3	94.8	95.6	96.1	96.4	97.3	97.8	97.8	98.2	98.4	98.5	98.5
≥ 100	85.5	90.3	92.4	93.3	94.3	94.8	95.6	96.1	96.8	97.6	98.4	98.4	98.7	99.0	99.1	99.6
≥ 0	95.5	90.3	92.4	93.3	94.3	94.8	95.6	96.1	96.8	97.6	98.4	98.4	98.7	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

927

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-79
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (151)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-10	≥4	≥0
NO CEILING	59.7	60.8	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4
≥ 20000	63.3	54.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	65.0
IV 18000	63.4	64.5	64.7	64.7	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1
IV 16000	53.5	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2
IV 14000	64.0	65.1	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7
IV 12000	65.3	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0
IV 10000	67.5	68.6	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.2
IV 9000	67.5	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.3
IV 8000	68.6	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4
IV 7000	69.4	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3
IV 6000	70.3	71.5	71.7	71.8	71.9	71.9	71.9	71.9	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2
IV 5000	72.0	73.4	73.7	73.7	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1
IV 4500	72.9	74.4	74.7	74.8	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2
IV 4000	73.6	75.2	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0
IV 3500	74.3	75.8	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.8
IV 3000	75.5	77.1	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.1
IV 2500	77.1	79.0	79.3	79.4	79.6	79.6	79.7	79.7	79.7	79.8	79.9	79.9	79.9	79.9	79.9	80.0
IV 2000	79.4	81.5	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.7
IV 1800	80.2	82.4	82.8	83.0	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.4	83.5	83.5	83.5	83.6
IV 1500	81.6	84.3	84.9	85.0	85.1	85.2	85.2	85.3	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6
IV 1200	83.0	86.4	87.1	87.2	87.4	87.4	87.5	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.9
IV 1000	83.5	87.5	88.3	88.5	88.7	88.7	88.9	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.3
IV 900	83.8	88.1	89.1	89.3	89.6	89.6	89.8	89.8	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.2
IV 800	84.3	88.8	89.9	90.2	90.5	90.6	90.8	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.2
IV 700	84.4	89.2	90.5	90.8	91.3	91.3	91.6	91.6	91.7	91.8	91.9	91.9	92.0	92.0	92.0	92.0
IV 600	84.7	89.8	91.4	91.9	92.5	92.5	92.9	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.5	93.5
IV 500	84.8	90.3	92.0	92.7	93.6	93.8	94.2	94.4	94.5	94.8	94.8	94.8	95.0	95.0	95.0	95.0
IV 400	84.9	90.4	92.2	92.9	94.0	94.4	95.0	95.3	95.4	95.7	95.8	95.8	95.9	95.9	96.0	96.0
IV 300	84.9	90.5	92.3	93.1	94.3	94.7	95.5	96.0	96.2	96.6	96.8	96.8	97.1	97.1	97.2	97.3
IV 200	84.9	90.5	92.3	93.1	94.3	94.7	95.5	96.2	96.5	97.0	97.4	97.5	98.0	98.2	98.5	98.7
IV 100	84.9	90.5	92.4	93.1	94.3	94.7	95.6	96.3	96.6	97.2	97.7	97.7	98.3	98.7	99.1	99.6
IV 0	84.9	90.5	92.4	93.1	94.3	94.7	95.6	96.3	96.6	97.2	97.7	97.7	98.3	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7430

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70,73-80
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.0
NO CEILING	57.6	59.7	60.0	60.1	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5
≥ 20000	62.7	65.0	65.3	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8
≥ 18000	62.7	65.1	65.4	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 16000	62.8	65.1	65.4	65.5	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9
≥ 14000	63.2	65.6	65.9	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4
≥ 12000	64.5	67.0	67.3	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.9
≥ 10000	67.2	69.9	70.2	70.4	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.8
≥ 9000	67.4	70.0	70.4	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.0
≥ 8000	68.7	71.5	71.9	72.1	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.5
≥ 7000	69.3	72.2	72.7	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.3
≥ 6000	70.0	73.0	73.4	73.6	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0
≥ 5000	71.2	74.4	74.9	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5
≥ 4500	72.0	75.3	75.8	76.0	76.2	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5
≥ 4000	73.0	76.4	77.0	77.2	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 3500	74.0	77.6	78.2	78.4	78.6	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9
≥ 3000	75.3	79.1	79.7	80.0	80.2	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6
≥ 2500	76.8	80.9	81.6	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5
≥ 2000	78.6	83.1	83.9	84.1	84.4	84.5	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8
≥ 1800	79.1	83.8	84.5	84.6	85.1	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.5
≥ 1500	80.7	85.9	86.8	87.1	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8
≥ 1200	81.9	87.9	88.9	89.3	89.6	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.1
≥ 1000	82.6	89.1	90.1	90.6	91.0	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5
≥ 900	82.9	89.7	90.8	91.3	91.7	91.8	92.0	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.3
≥ 800	83.2	90.3	91.5	92.0	92.6	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.2
≥ 700	83.4	90.8	92.2	92.7	93.4	93.5	93.7	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.1
≥ 600	83.6	91.4	92.8	93.5	94.2	94.4	94.6	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.1
≥ 500	83.7	91.8	93.4	94.2	95.1	95.3	95.7	95.9	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.3
≥ 400	83.8	92.0	93.7	94.6	95.7	95.9	96.4	96.7	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.3
≥ 300	83.8	92.1	93.9	94.8	96.0	96.3	97.0	97.4	97.6	97.9	98.0	98.1	98.2	98.2	98.2	98.3
≥ 200	83.8	92.1	93.9	94.9	96.0	96.4	97.1	97.6	97.9	98.2	98.6	98.6	98.9	98.9	99.1	99.2
≥ 100	83.8	92.1	93.9	94.9	96.1	96.4	97.1	97.7	97.9	98.3	98.7	98.7	99.0	99.2	99.4	99.6
≥ 0	83.8	92.1	93.9	94.9	96.1	96.4	97.1	97.7	97.9	98.3	98.7	98.7	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 87621

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL SKY COVER

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

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

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

SKY COVER

JAN

MONTH	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	00-02	32.6			14.8						9.6	43.0	5.6	927
	03-05	29.6			12.4						11.2	46.7	6.1	925
	06-08	18.4			18.9						13.6	49.1	6.7	928
	09-11	15.3			18.4						17.9	48.4	7.0	929
	12-14	17.5			20.5						17.1	44.9	6.6	928
	15-17	15.1			25.3						17.5	42.1	6.5	929
	18-20	19.0			25.1						15.7	40.2	6.2	930
	21-23	34.0			15.1						10.3	40.6	5.4	930
TOTALS		22.7			18.8						14.1	44.4	6.3	7426

USAFETAC FORM 0-9-5 (O: A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

FEB

1991

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
FEB	00-02	39.6			13.4						11.0	36.0	5.0	836
	03-05	35.7			14.3						10.5	39.5	5.3	840
	06-08	21.1			19.0						14.3	45.6	6.4	844
	09-11	16.8			19.0						19.0	45.2	6.8	846
	12-14	17.3			24.7						20.9	37.1	6.3	846
	15-17	14.9			27.5						23.0	34.7	6.4	845
	18-20	21.7			27.9						18.2	32.2	5.7	842
	21-23	37.1			19.0						12.9	31.0	4.8	840
TOTALS		25.5			20.6						16.2	37.7	5.8	6739

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

MAR
MONI

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
MAR	00-02	36.7			14.5						10.4	38.5	5.2	927
	03-05	31.6			13.8						9.2	45.4	5.8	927
	06-08	17.8			20.9						15.8	45.5	6.6	928
	09-11	14.5			22.4						19.2	43.9	6.8	930
	12-14	14.3			27.6						21.7	36.3	6.4	930
	15-17	15.5			28.4						22.3	33.8	6.2	929
	18-20	23.0			24.6						20.4	32.0	5.8	927
	21-23	34.8			20.3						11.7	33.2	5.0	929
TOTALS		23.5			21.6						16.3	38.6	6.0	7427

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

APR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	32.4			14.7						15.7	37.3	5.6	899
	03-05	26.7			13.9						16.1	43.4	6.2	895
	06-08	14.1			19.1						21.2	45.6	7.0	896
	09-11	15.2			20.9						21.9	42.0	6.8	900
	12-14	14.1			25.1						26.0	34.8	6.6	900
	15-17	14.7			30.0						25.7	29.6	6.2	898
	18-20	20.4			28.7						23.0	27.9	5.7	899
	21-23	31.8			22.0						16.4	29.7	5.1	898
TOTALS		21.2			21.8						20.8	36.3	6.2	7185

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAY
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	30.2			20.5						19.6	29.7	5.4	928
	03-05	23.2			22.8						18.8	35.2	5.9	926
	06-08	12.5			20.7						25.6	41.1	7.0	926
	09-11	13.8			19.8						35.1	31.3	6.9	929
	12-14	12.2			25.4						38.7	23.8	6.6	930
	15-17	11.1			35.6						34.4	18.9	6.1	930
	18-20	17.0			33.7						31.4	18.0	5.6	930
	21-23	29.5			29.8						21.5	19.2	4.8	930
TOTALS		18.7			26.0						28.1	27.2	6.0	7429

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

JUN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	41.1			28.1						17.1	13.7	3.8	900
	03-05	25.1			30.9						24.9	19.0	5.1	899
	06-08	12.7			31.0						32.9	23.4	6.2	899
	09-11	14.4			35.4						32.1	18.0	5.8	900
	12-14	12.2			44.8						30.0	13.0	5.3	900
	15-17	10.8			55.1						22.0	12.1	4.8	900
	18-20	21.0			49.6						17.8	11.6	4.2	899
	21-23	44.8			30.7						13.5	11.0	3.2	898
TOTALS		22.8			38.2						23.8	15.2	4.8	7195

USAFETAC FORM 0-9-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	51.5			28.3						11.2	9.0	2.8	920
	03-05	40.6			36.6						13.3	9.5	3.3	922
	06-08	13.9			49.1						25.3	11.7	4.9	925
	09-11	12.5			49.7						26.9	10.9	5.0	929
	12-14	5.5			54.2						30.2	10.1	5.4	930
	15-17	3.5			54.1						33.9	8.5	5.5	930
	18-20	10.1			50.4						29.8	9.7	5.2	929
	21-23	37.8			39.2						14.1	8.8	3.3	928
TOTALS		21.9			45.2						23.1	9.8	4.4	7413

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	44.8			31.8						13.7	9.7	3.2	928
	03-05	43.5			31.7						12.4	12.4	3.3	930
	06-08	17.4			45.4						22.0	15.2	4.9	930
	09-11	14.0			46.5						25.1	13.7	5.0	930
	12-14	5.3			53.7						29.6	11.5	5.4	930
	15-17	2.8			55.9						30.5	10.9	5.5	929
	18-20	13.1			48.9						26.9	11.2	5.0	927
	21-23	34.7			42.3						13.5	9.5	3.4	927
TOTALS		22.1			44.5						21.7	11.8	4.5	7431

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

SEP

MONITORING

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	41.2			23.3						12.1	23.4	4.1	898
	03-05	33.7			25.7						13.9	26.7	4.7	899
	06-08	16.7			34.0						23.6	25.6	5.7	897
	09-11	15.1			35.3						27.0	22.6	5.7	900
	12-14	11.0			42.5						27.9	18.6	5.6	899
	15-17	12.9			41.8						28.0	17.2	5.5	899
	18-20	22.0			36.8						24.4	16.8	5.0	900
	21-23	40.9			25.9						14.1	19.0	4.0	899
TOTALS		24.2			33.2						21.4	21.2	5.0	7191

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

OCT

MONITORING

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	48.2			17.7						11.3	22.8	3.8	927
	03-05	43.0			19.8						12.4	24.8	4.2	923
	06-08	25.8			26.1						20.0	28.2	5.4	927
	09-11	22.5			28.4						22.9	26.2	5.5	929
	12-14	21.8			34.8						21.4	21.9	5.2	930
	15-17	23.4			41.2						18.7	16.7	4.6	930
	18-20	37.5			32.5						14.5	15.5	3.8	929
	21-23	50.5			23.1						8.9	17.4	3.2	930
TOTALS		34.1			28.0						16.3	21.7	4.5	7425

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-79

NOV

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		
NOV	00-02	45.7			15.5						10.5	28.4	4.2	898
	03-05	42.6			16.8						10.7	29.9	4.5	899
	06-08	29.1			23.8						14.6	32.5	5.3	899
	09-11	27.1			23.3						19.1	30.4	5.5	900
	12-14	23.6			27.1						23.1	26.2	5.5	900
	15-17	24.2			28.2						22.9	24.7	5.4	898
	18-20	34.1			26.7						14.7	24.5	4.6	898
	21-23	44.7			21.3						9.1	24.9	3.9	900
TOTALS		33.9			22.8						15.6	27.7	4.9	7192

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-79

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	42.5			18.2						10.2	29.1	4.4	923
	03-05	43.8			13.9						9.3	33.0	4.6	924
	06-08	28.3			23.2						14.6	33.9	5.4	926
	09-11	20.3			23.5						19.3	36.8	6.1	924
	12-14	22.4			25.4						22.7	29.6	5.8	930
	15-17	21.9			28.4						22.4	27.3	5.6	927
	18-20	31.5			27.9						15.3	25.4	4.8	922
	21-23	42.8			18.6						12.2	26.5	4.3	921
TOTALS		31.7			22.4						15.8	30.2	5.1	7399

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-80

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	22.7			18.8						14.1	44.4	6.3	7426
FEB		25.5			20.6						16.2	37.7	5.8	6739
MAR		23.5			21.6						16.3	38.6	6.0	7427
APR		21.2			21.8						20.8	36.3	6.2	7185
MAY		18.7			26.0						28.1	27.2	6.0	7429
JUN		22.8			36.2						23.8	15.2	4.8	7195
JUL		21.9			45.2						23.1	9.8	4.4	7413
AUG		22.1			44.5						21.7	11.8	4.5	7431
SEP		24.2			33.2						21.4	21.2	5.0	7191
OCT		34.1			28.0						16.3	21.7	4.5	7425
NOV		33.9			22.8						15.6	27.7	4.9	7192
DEC		31.7			22.4						15.8	30.2	5.1	7399
TOTALS		25.2			28.6						19.4	26.8	5.3	87452

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 wet-bulb 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:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OLA to present these data may result in differences not exceeding $\pm 1.0^\circ$ from directly converted values but excludes no Fahrenheit values.

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.

Continued on Reverse

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

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

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC
03902

STATION

ROBERT GRAY AAF TX (FORT HOOD)

STATION NAME

50-70, 73-80

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					.1	3.5	10.6	16.4	1.9				2.7
100					2.0	19.4	52.5	51.4	14.3	.7			12.0
95			.1	.2	15.7	63.7	85.4	85.1	44.8	6.9			25.9
90			1.3	3.2	45.0	86.5	94.2	94.5	70.5	26.8	2.1	.7	37.5
85	.1	1.3	4.6	15.0	70.9	94.6	99.4	98.6	86.9	52.6	11.1	2.7	48.8
80	1.7	5.9	15.6	38.5	87.0	98.6	100.0	99.9	94.9	72.5	28.0	9.3	59.8
75	7.7	15.3	32.7	64.6	95.7	99.6		100.0	98.7	85.7	47.2	23.7	69.8
70	19.4	28.4	51.1	81.1	99.2	100.0			99.7	94.1	63.7	40.7	78.4
65	32.9	42.6	68.7	93.2	99.7				99.9	97.6	76.5	56.5	84.6
60	46.8	57.1	80.3	97.3	99.7				100.0	98.7	86.8	72.8	89.8
55	60.1	69.7	88.1	99.0	100.0					99.5	92.7	84.9	93.8
50	69.8	82.3	94.3	99.9						100.0	96.4	91.6	96.3
45	79.8	89.6	96.8								98.8	96.2	98.1
40	87.4	95.7	98.7	100.0							99.5	98.8	99.2
35	93.8	98.4	99.9								100.0	99.8	99.8
30	97.8	99.9	100.0									100.0	99.9
25	99.3												100.0
20	99.5	100.0											100.0
15	100.0												100.0
MEAN	56.8	61.3	68.5	76.5	82.7	90.3	94.3	94.2	87.5	78.8	67.0	60.8	76.6
S D	13.310	12.206	11.051	7.899	6.839	5.722	4.775	5.233	6.984	8.396	10.828	10.879	15.767
TOTAL OBS	835	763	854	838	868	840	867	868	792	868	810	837	10040

USAFETAC FORM 021-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

03902

ROBERT GRAY AAF TX (FORT HOOD)

50-70, 73-80

STATION

STATION NAME

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						.2	1.6	1.8					.3
75					1.6	17.3	34.8	38.0	10.2	.6			8.7
70				3.2	19.8	66.5	94.3	89.4	50.6	8.5	.7		28.2
65	.7	.3	3.7	20.3	49.7	91.3	99.4	99.4	76.4	22.5	4.8	1.4	39.7
60	4.1	4.3	12.4	42.4	78.1	97.9	100.0	100.0	90.9	47.8	12.5	4.5	50.2
55	8.7	9.3	24.4	64.0	91.6	99.9			97.7	67.9	23.2	8.6	58.6
50	15.1	19.9	42.7	80.8	97.9	100.0			99.4	85.1	41.5	16.8	67.2
45	25.5	35.6	62.6	92.6	99.5				100.0	95.2	60.4	32.1	75.8
40	39.9	55.7	79.6	97.6	100.0					99.4	78.1	52.1	83.9
35	58.1	74.8	90.5	99.5						99.9	89.5	74.3	90.8
33	67.7	81.4	93.9	99.9						100.0	92.8	81.8	93.3
30	77.2	88.1	97.2	100.0							96.7	89.2	95.8
25	88.1	96.2	99.2								99.4	95.7	98.2
20	95.3	99.1	99.9								100.0	99.3	99.5
15	98.7	99.7	100.0									99.9	99.9
10	100.0											100.0	100.0
5		100.0											100.0
MEAN	37.6	41.1	47.6	56.9	63.8	70.6	73.5	73.3	68.2	58.3	47.3	40.6	56.6
S D	11.147	9.725	9.649	8.108	6.259	4.402	2.803	3.174	5.823	8.036	9.904	9.536	15.003
TOTAL OBS	835	763	854	838	868	840	867	868	792	868	810	837	10040

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

03902

ROBERT GRAY AAF TX (FORT HOOD)

50-70, 73-80

STATION

STATION NAME

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95							.2						.6
90						1.1	4.0	6.0	.5				1.0
85					.9	18.0	47.3	47.6	10.9	.2			10.7
80			.1	1.2	16.2	66.4	90.7	87.8	46.6	6.5			25.7
75	.1	.3	2.8	14.3	46.4	90.0	99.3	98.7	76.1	24.1	2.2	.2	38.4
70	1.3	3.3	12.4	41.4	76.2	97.6	100.0	100.0	91.3	49.8	11.1	2.2	49.5
65	7.9	12.1	28.9	65.5	92.3	99.6			97.9	72.9	24.3	8.2	59.8
60	16.5	21.2	47.7	84.0	97.7	100.0			99.7	87.3	43.7	18.4	68.6
55	27.9	39.4	66.9	94.4	99.8				100.0	96.1	63.1	35.2	77.4
50	43.8	57.4	81.5	98.4	100.0					99.0	78.9	54.7	64.8
45	60.2	74.7	91.7	99.4						99.9	90.4	76.3	91.3
40	74.1	87.5	96.6	99.9						100.0	95.1	89.4	95.3
35	86.2	94.6	98.7	100.0							99.3	95.1	97.9
30	93.8	98.8	99.9								100.0	98.7	99.3
25	97.7	99.7	100.0									99.9	99.6
20	99.4	99.9										100.0	99.9
15	100.0	100.0											100.0
MEAN	47.5	51.4	58.3	67.0	73.5	80.7	84.1	84.0	78.1	68.8	57.4	51.0	66.8
S D	11.443	10.182	9.662	7.233	5.968	4.615	3.436	3.825	5.805	7.541	9.605	9.405	15.022
TOTAL OBS	835	763	854	838	868	840	867	868	792	868	810	837	10040

USAFETAC FORM 0-21.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

03902 STATION ROBERT GRAY AAF TX (FORT HOOD) 50-70, 73-80 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50										90	86	79	
51	82	80	89	94	96	98	104	104	103	95	86	85	104
52	83	81	87	85	92	97	100	105	102	92	84	81	105
53	80	81	83	92	92	102	100	105	105	92	77	75	105
54	77	89	93*	89	95	100	109	104	100	97	81	85	109
55	78	77	92	92	97	95	99	102	94	92	89	89	102
56	81	83	93*	88	95	104	109	104	101	97	82	81	109
57	81	88	81	85	92	96	105	102	97	88	80	76	105
58	74	74	76	92	98	96	100	101	92	89	86	84	101
59	* 73	86	87	90	97	100	97	99	97	89	78	73	100
60	74	88	83	90	91	101	102	96*	94	89			
61			* 84	91	97	94	92	99	96	85	83	74	
62	76	87	82	90	92	94	101	106	97	92	84	73	106
63	80	88	86	98	95	97	101	101	100	91	88	74	101
64	74	69	79	85	89	94	102	103	96	85	80	82	103
65	76	71	77	90	88	93	96	97	101	91	86	76	101
66	70	73	87	93	95	96	103	102	97	90	83	82	103
67	80	78	93	87	96	100	106	104	89	88	84	77	106
68	76	74	84	83	89	94	92	95	97	90	82	74	97
69	86	83	86	84	88	101	99	105	94	90	86	74	105
70	80	84	81	88	87	95*	99	100	96	89	82	78	100
73	70	74	79	82	93	92	96	98	93	88	84	84	98
74	78	81	97	91	92	97	103	97	92	87	82	75	103
75	81	79	87	88	88	93	100	97	98	89	87	79	100
76	78	82	89	86	89	94	95	101	94	86	81	75	101
77	68	85	84	86	88	94	101	101	101	95	82	86	101
78	83	81	80	92	100	103	106	100	94	90	82	78	106
79	68	84	82	90	86	99	96	96	96	101	81	74	101
80	77	86	81	88	93	107	104	103					
MEAN	77.3	81.0	85.1	88.9	92.5	97.4	100.7	101.0	97.2	90.6	83.3	78.6	102.6
S D	4.698	5.633	5.380	3.762	3.805	3.812	4.472	3.180	3.674	3.695	2.943	4.650	2.599
TOTAL OBS	835	763	854	838	868	840	867	868	792	868	810	837	10040

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 4-64 9-88-5 (OLA)

* (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

03902 ROBERT GRAY AAF TX (FORT HOOB) 50-70, 73-80

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
50										55	25	14	
51	14	9	30	41	53	63	71	71	54	45	27	20	9
52	31	32	32	37	50	65	69	71	61	42	32	24	24
53	23	27	37	39	48	66	63	68	60	45	34	21	21
54	19	32	28*	40	44	61	72	70	59	42	40	32	19
55	29	23	25	49	60	56	69	68	66	40	25	24	23
56	25	26	30*	40	60	63	70	67	61	50	30	30	25
57	20	38	28	33	49	64	72	69	54	34	32	23	20
58	28	21	33	43	52	63	69	67	57	47	25	19	19
59	*	11	27	38	38	58	64	68	64	55	40	33	*
60	21	19	24	46	44	68	70	68*	66	45			11
61		*	41	39	53	63	67	62	55	47	37	21	
62	12	23	21	40	51	64	70	67	55	47	39	21	12
63	10	19	36	46	52	66	68	70	49	50	31	18	10
64	15	28	31	37	54	51	67	70	57	41	28	22	15
65	23	18	21	45	53	61	65	67	57	44	39	33	18
66	13	23	31	44	52	66	70	65	59	39	30	19	13
67	22	22	29	52	47	66	64	62	47	45	36	30	22
68	20	26	31	39	53	62	62	65	54	42	31	23	20
69	22	32	27	47	46	56	70	66	60	42	30	22	22
70	16	22	35	38	48	55*	63	69	57	44	27	29	16
73	10	19	38	32	42	60	67	61	56	44	42	24	10
74	21	22	34	38	56	58	67	67	48	41	27	28	21
75	19	22	30	34	55	58	66	68	49	44	27	25	19
76	18	28	35	43	49	59	69	67	55	36	21	19	18
77	19	27	33	46	55	65	69	70	63	42	37	27	19
78	20	22	24	44	46	64	68	67	61	49	35	22	20
79	15	23	32	42	45	57	69	67	53	40	22	23	15
80	24	24	16	35	50	64	65	69					
MEAN	19.6	24.2	30.0	41.0	50.9	61.7	68.0	67.2	56.2	43.6	30.8	23.9	17.6
S D	5.486	5.625	5.481	5.063	4.732	4.099	2.549	2.630	4.667	4.390	5.679	4.875	4.533
TOTAL OBS	835	763	854	838	868	840	867	868	792	868	810	837	10040

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

JAN

STATION

STATION NAME

YEARS

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				
70/ 69		.1	.1															4	4						
68/ 67		.8	.7							.1								14	14	2					
66/ 65		.2	.4							.1								7	7	9					
64/ 63		.4	.1		.1													6	6	10					
62/ 61		1.2	1.0	.4			.1											27	27	7	11				
60/ 59		1.0	1.0	.1	.2	.1		.1										23	23	14	13				
58/ 57		2.2	1.4	.1	.8	.1												44	44	23	10				
56/ 55	.2	1.1	.7	.2	.4	.4												32	32	40	30				
54/ 53	.1	.5	.5	.4	.1	.2	.1											21	21	17	27				
52/ 51		.3	.3	.1	.8	.4	.1											22	22	15	13				
50/ 49	.1	.6	.5	.9	.2	.4												27	27	24	14				
48/ 47	.4	1.7	1.1	.9	.9	.5												51	51	28	13				
46/ 45		1.3	1.3	1.2	.8	.1												47	47	47	19				
44/ 43		2.5	1.8	1.2	.6		.2											59	59	39	28				
42/ 41	.2	2.2	1.6	1.0	.3	.1												50	50	49	39				
40/ 39	.9	2.8	1.6	.9	.6													63	63	72	46				
38/ 37	.5	2.9	2.3	1.2	.3													67	67	67	51				
36/ 35	.5	4.2	1.9	1.6	.5													82	82	67	54				
34/ 33	.3	2.2	1.9	.8	.2													50	50	76	61				
32/ 31	.1	3.4	2.0	.5	.2													59	59	54	62				
30/ 29	.4	2.0	1.7	.9														43	43	80	47				
28/ 27	.5	1.3	1.6	.3														35	35	46	70				
26/ 25		1.9	1.3	.9														36	36	29	64				
24/ 23	.7	.9	1.0	.1														21	21	45	41				
22/ 21	1.0	1.1	.3	.2														24	24	33	31				
20/ 19	.3	.6	.2															11	11	22	43				
18/ 17		.3																3	3	10	24				
16/ 15		.2																2	2	6	32				
14/ 13																					20				
12/ 11																					21				
10/ 9																					17				
8/ 7																					9				
6/ 5																					3				
4/ 3																					5				
Element (X)	ΣX'		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel Hum											≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 34-54 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
70/ 69		.3	.2															5	5						
68/ 67		.1	.9															9	9						
66/ 65		.4	.5															9	9	7	3				
64/ 63		.8	.8						.1									15	15	12	8				
62/ 61		1.0	.4	.1			.1											15	15	8	12				
60/ 59		1.4	.4	.1	.1	.3	.2	.2										26	26	18	11				
58/ 57	.3	1.8	.6	.1	.1													28	28	20	19				
56/ 55		1.5	.4	.1	.4	.2	.3											31	31	26	29				
54/ 53		.6	.4	.2	.1	.1	.1											16	16	19	10				
52/ 51	.1	.9	.6	.4	.5	.5	.2											31	31	12	19				
50/ 49	.4	1.1	1.0	.5	.4													39	39	25	17				
48/ 47		2.2	.6	.6	.6													40	40	27	14				
46/ 45		1.5	2.0	.3	.9	.2												50	50	47	26				
44/ 43	.1	1.4	1.7	.9	.3													41	41	35	28				
42/ 41	.2	1.5	1.6	.3	.4	.2												40	40	48	22				
40/ 39	1.5	2.0	1.0	2.0	.3	.1												65	65	71	43				
38/ 37	.8	4.2	1.0	1.3	.3													70	70	60	51				
36/ 35	.4	3.2	2.3	2.5	.2													80	80	59	64				
34/ 33	.2	2.7	1.6	.6	.1													49	49	64	45				
32/ 31	.3	4.4	1.6	.5	.2													66	66	74	53				
30/ 29	1.0	2.6	1.0	1.0	.1													52	52	85	51				
28/ 27	.6	1.9	1.6	.2														41	41	44	64				
26/ 25		2.5	1.7	.1														40	40	38	76				
24/ 23	.3	.6	1.2	.1														21	21	43	37				
22/ 21	.8	1.0	1.2															27	27	37	41				
20/ 19	.4	1.1	.1	.1														16	16	26	39				
18/ 17		.3	.1															6	6	13	33				
16/ 15																				7	25				
14/ 13		.1																1	1	2	13				
12/ 11	.1																	1	1	1	24				
10/ 9																					25				
8/ 7																					2				
6/ 5																					3				
4/ 3																					7				
Element (X)	Σx^2		Σx		$\bar{x}$		σ_x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

PSYCHROMETRIC SUMMARY

YEARS

44
MONTH

PAGE 2

G300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

CAK

MONTH

COLL-660
MAY 11 5 11

[illegible]

PSYCHROMETRIC SUMMARY

 JAN
MONTH

PAGE 2 36CC-C8CC
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN
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								
76/ 75											.1							1	1									
74/ 73										.2								2	2									
72/ 71						.2												2	2									
70/ 69		.1	.4	.4	.3	.1	.2	.1										16	15									
68/ 67		.1	.6	.3	.2			.2										14	14	2								
66/ 65		.4	.9	.8	.1		.5	.1	.1									27	27	8								
64/ 63		.6	.5	.5	.1	.1	.1	.1	.3									22	22	21								
62/ 61		.2	.8	.3	.1	.9	.4	.1	.1									24	24	15								
60/ 59		.8	.8	.3	.3	.2	.2	.3	.2									29	29	18								
58/ 57		1.3	.5	.1	.9	.4	.3	.2										35	35	24								
56/ 55		.6	.9	.2	.5	.8	.6	.3	.1									37	37	27								
54/ 53	.3	.5	.5	.4	.6	.5	.3	.3										32	32	28								
52/ 51	.2	.6	.6	.6	.9	.2	.2	.1										39	39	20								
50/ 49	.2	1.0	1.1	1.0	1.0	.6	.3											48	48	37								
48/ 47		1.4	.3	.9	.4	.5												33	33	34								
46/ 45		1.2	1.6	1.2	1.3	.8	.1											57	57	53								
44/ 43	.1	1.8	.9	1.2	.5	.4												46	46	50								
42/ 41	.2	2.2	1.4	1.4	.9	.6	.1											62	62	62								
40/ 39	.6	1.6	1.2	1.3	.4	.4												52	52	61								
38/ 37	.5	1.7	.5	1.8	.3	.1												52	52	66								
36/ 35	.5	3.1	1.2	1.1	.9													68	68	52								
34/ 33	.8	2.0	1.2	.8	.6													50	50	69								
32/ 31	.9	1.5	1.6	1.3	.2													51	51	72								
30/ 29	.5	.6	1.3	1.5	.1													38	38	43								
28/ 27	.6	.8	1.0	.6	.1													29	29	40								
26/ 25		1.0	1.4	.4														26	26	38								
24/ 23		1.1	.9															18	18	33								
22/ 21	.3	.5	.5	.1														14	14	33								
20/ 19	.2	.2																4	4	19								
18/ 17		.1																1	1	2								
16/ 15		.1																1	1	2								
14/ 13																				1								
12/ 11																												
10/ 9																				24								
Element (X)	Σ X'				Σ X				X̄				s _x				No. Obs.				Mean No. of Hours with Temperature							
Rel. Hum																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

PSYCHROMETRIC SUMMARY

YEARS

JAN
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	
8 / 7																					6	
6 / 5																					5	
4 / 3																					2	
2 / 1																					3	
0 / -1																					2	
-4 / -5																					1	
TOTAL	6.227	.423	.118	.511	.5	6.9	3.9	1.6	1.1		.1							930	930	930	930	

PSYCHROMETRIC SUMMARY

YEARS

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

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

JAN

MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

JAN
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			
78/ 77														.1					1	1				
76/ 75						.1													1	1				
74/ 73				.1	.1		.1		.1										4	4				
72/ 71			.3	.3	.2		.1	.2											11	11				
70/ 69		.2	.1	.2	.3	.2		.1	.2		.1								14	14				
68/ 67			.3	.3	.4	.1	.5	.1	.1	.1									19	19	8	2		
66/ 65		.3	.4	.5	.2	.2		.2	.4	.1									27	27	4	4		
64/ 63		.4	.6	.4	.3	.1	.4		.1										27	27	14	3		
62/ 61		.6	.5	.5	.1	.3	.2	.2	.4										28	28	17	11		
60/ 59		.3	.8	.6	.5	.9	.2	.2	.2										35	35	27	13		
58/ 57	1.2	.6	1.2	.9	.4	.5	.1	.2											48	48	22	19		
56/ 55		.6	.4	.6	.6	.8	.2	.1											32	32	34	22		
54/ 53		.2	.4	.9	.4	.2	.6	.4											30	30	24	28		
52/ 51		.5	.5	1.0	1.1	.8	.3												39	39	36	21		
50/ 49		.3	1.3	.9	1.4	1.3	.8	.1											56	56	41	15		
48/ 47	.3	1.7	.6	1.1	1.3	.9	.6												61	61	34	25		
46/ 45		1.3	1.2	1.2	.8	.5	.1												47	47	59	20		
44/ 43		2.0	1.0	1.4	1.2	.4	.1												57	57	49	35		
42/ 41	.1	1.3	1.2	1.0	.9	.4													45	45	75	54		
40/ 39	.5	2.5	1.2	1.1	1.4	.2	.1												65	65	61	50		
38/ 37	1.0	1.4	.6	1.7	1.1	.4													58	58	82	51		
36/ 35	.4	1.5	1.7	1.1	1.2	.1													56	56	56	38		
34/ 33		2.5	1.2	.8	.6														47	47	46	57		
32/ 31	.5	1.8	1.1	1.1	.4														46	46	76	73		
30/ 29	.8	.5	1.9	.1															31	31	52	63		
28/ 27		.9	.8	.2															17	17	37	43		
26/ 25		.5	.3																8	8	37	45		
24/ 23	.1	1.0	.2																12	12	18	47		
22/ 21	.3	.3	.2																8	8	16	34		
20/ 19																						31		
18/ 17																						35		
16/ 15																						25		
14/ 13																						28		
12/ 11																						10		
Element (λ)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

JAN
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70/ 69			.6	.2						.1								9	9						
68/ 67		.3	.1															4	4	1					
66/ 65		.5	.2	.2	.1	.2		.1		.1								14	14	8	5				
64/ 63		.3	1.1	.6	.1		.1		.1									22	22	9	6				
62/ 61		.9	1.4	.3	.1													25	25	6	7				
60/ 59		1.3	1.2	.5	.2	1.0		.1										40	40	28	9				
58/ 57		.5	.5	.5	.3	.4	.1											23	23	28	27				
56/ 55		1.8	.5	.8	.6	.4	.1											40	40	25	17				
54/ 53		.3	.2	.9	.3	.2	.1											19	19	24	30				
52/ 51		.3	.9	.1	1.2	.4	.2											29	29	17	17				
50/ 49		1.3	.9	.9	.6	.3	.1											38	38	28	13				
48/ 47		1.4	1.0	.9	1.4	.9												51	51	39	21				
46/ 45		2.5	2.5	1.5	.6	.1	.2											69	69	48	22				
44/ 43	.2	1.4	1.4	1.2	1.1		.1											50	50	48	32				
42/ 41	.3	1.8	1.9	1.3	.2	.3												55	55	66	48				
40/ 39	.3	2.0	2.0	1.7	.3													60	60	52	44				
38/ 37	1.0	3.7	1.2	1.4	.9													75	75	80	56				
36/ 35	.9	2.2	1.5	1.1	.3	.1												56	56	74	40				
34/ 33	.1	1.5	2.5	1.8	.2													57	57	57	61				
32/ 31	.1	3.4	1.6	1.5	.1													63	63	56	76				
30/ 29	1.6	1.8	1.0	.6														47	47	78	47				
28/ 27		.6	1.6	.1														22	22	47	56				
26/ 25	.1	1.5	.3	.4														22	22	38	59				
24/ 23	.1	1.3	.5	.1														19	19	34	38				
22/ 21	.5	.1	.5															11	11	16	30				
20/ 19	.2	.9																10	10	15	33				
18/ 17																				8	38				
16/ 15																					37				
14/ 13																					16				
12/ 11																					5				
10/ 9																					12				
8/ 7																					10				
6/ 5																					3				
4/ 3																					1				
Element (X)	Σ X'		Σ X		X		°X		No. Obs.		Mean No. of Hours with Temperature						Total								
Ref. Num.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

PSYCHROMETRIC SUMMARY

4A

MONTH

2100-23CC

200-250
HOURS (1-5-7)

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

ALL

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				
86/ 85													.0	.0				2	2					
84/ 83													.1	.0				5	5					
82/ 81												.0	.0					6	6					
80/ 79								.1	.0		.0	.1		.0				13	13					
78/ 77						.0	.1	.0		.1	.1	.0		.0				26	26					
76/ 75					.1	.1	.1	.1	.1	.1	.1	.0						43	43					
74/ 73				.1	.1	.0	.1	.0	.1	.0	.0	.0	.0					41	41					
72/ 71			.1	.1	.2	.1	.1	.1	.1	.1	.1	.0						74	74					
70/ 69		.2	.3	.2	.2	.1	.1	.1	.1	.1	.1	.0						104	104	3				
68/ 67		.2	.5	.2	.2	.1	.2	.2	.1	.1	.1	.0						140	140	35				
66/ 65		.3	.5	.3	.1	.2	.1	.3	.2	.2	.1	.0						171	171	75				
64/ 63		.4	.6	.3	.3	.2	.3	.2	.1	.1	.0							186	186	117				
62/ 61		.7	.7	.4	.1	.1	.3	.1	.2	.1	.0							195	195	111				
60/ 59	.0	.7	.7	.3	.3	.5	.2	.3	.1	.1								245	245	186				
58/ 57	.0	1.2	.6	.3	.5	.3	.3	.2	.1									272	272	207				
56/ 55	.0	.9	.4	.3	.5	.6	.5	.3	.1									276	276	258				
54/ 53	.1	.6	.5	.6	.3	.3	.4	.2	.1									224	224	205				
52/ 51	.1	.5	.6	.4	.7	.6	.4	.2	.1									262	262	199				
50/ 49	.2	.9	.8	.7	.7	.7	.3	.1										325	325	262				
48/ 47	.1	1.4	.6	.8	.9	.7	.2	.1										349	349	275				
46/ 45	.0	1.6	1.5	1.0	.8	.5	.1	.0										416	416	395				
44/ 43	.1	1.9	1.3	1.0	.6	.3	.2											401	401	367				
42/ 41	.2	1.5	1.4	.8	.7	.4	.1											374	374	493				
40/ 39	.8	1.9	1.3	1.2	.7	.4	.0											467	467	495				
38/ 37	.7	2.6	1.0	1.4	.6	.2	.0											489	489	530				
36/ 35	.6	2.4	1.5	1.2	.7	.1												489	489	492				
34/ 33	.3	2.3	1.4	.9	.4	.2												406	406	479				
32/ 31	.5	2.5	1.4	.9	.3													417	417	529				
30/ 29	.8	1.2	1.0	.7	.0													278	278	480				
28/ 27	.3	1.1	1.1	.3	.0													209	209	325				
26/ 25	.0	1.5	.9	.2														193	193	264				
24/ 23	.1	1.0	.6	.1														138	138	274				
22/ 21	.4	.6	.6	.0														119	119	178				
20/ 19	.2	.4	.1	.0														55	55	128				
Element (X)	Z _{X1}			Z _X			X̄		s _X		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

JAN
MONTH

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOG) 66-70, 73-80

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	C	1-2	3-4	5-6	7-8	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															
73/ 69					.1																											1	1			
68/ 67				.9	.1																											9	9			
66/ 65			.9																													11	11			
64/ 63	.2	1.1	1.5	.1								.1																				25	25	16	1	
62/ 61	.1	1.5	.9		.1						.1																					24	24	16	16	
60/ 59	.1	1.9	.5							.1																						31	31	27	18	
58/ 57	.2	.7	1.1	.1	.1					.1	.2																					23	23	28	25	
56/ 55	.6	.2		.5	.4					.2																						28	28	15	33	
54/ 53	.6	1	1.1	.4	.2					.2																						33	33	24	14	
52/ 51	1.2	1.5	1.4	.2	1.2				.4	.1																						58	58	26	30	
50/ 49	.4	1.4	1.3	1.3	2.6	.5																										63	63	34	21	
48/ 47	.6	2.2		.9	.7				.4																							46	46	52	26	
46/ 45	.1	2.2	.5	1.3	.4	.4	.5																									45	45	45	28	
44/ 43	.1	2.4	1.2	1.4	.7	.5	.3																									55	55	46	29	
42/ 41	.3	3.0	2.0	.8	.7	.2																										64	64	77	38	
40/ 39	.7	3.8	3.0	1.1	.1	.1																										74	74	64	43	
38/ 37	.5	2.4	2.2	.8	.1	.1																										52	52	63	49	
36/ 35		2.7	2.1	1.3																												52	52	71	55	
34/ 33	1.3	2.1	1.7	.6																												48	48	73	70	
32/ 31	.5	1.5	2.1	.4																												38	38	50	80	
30/ 29	.7	2.1	.7	.1																												31	31	41	47	
28/ 27		1.1	.1																													10	10	39	45	
26/ 25		.8	1.1																													16	16	13	31	
24/ 23		.4	.1																													4	4	15	38	
22/ 21	.1	.4	.1																													5	5	6	33	
20/ 19																																			5	29
18/ 17																																				12
16/ 15																																				18
14/ 13																																				8
12/ 11																																				6
10/ 9																																				3
TOTAL	8.7	37.6	27.6	12.1	7.3	2.5	2.7	.7	.6																								846		846	
																																	846		846	
Element (X)	Zx'	Zx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	502782	53901	74.9	17.420	846	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																									
Dry Bulb	1764459	37645	44.5	10.283	846					10.2	1.0																									
Wet Bulb	1508197	34715	41.0	9.952	846					16.8																										
Dew Point	1237752	33714	36.3	12.049	846					34.8																										

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

FEB
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	
70/ 69			.1															1	1			
68/ 67			.7															6	6			
66/ 65		.5	.5															8	8	1		
64/ 63		.4	.7	.4	.1		.1		.2									16	16	11		
62/ 61	.2	2.4	.9	.2		.1												33	34	10	15	
60/ 59	.4	1.8	.5				.2	.2	.1									27	27	31	15	
58/ 57		1.1	.1		.2	.1	.4	.1										17	17	28	29	
56/ 55	.1	1.4	.2	.1	.1	.4	.1	.2										23	23	16	26	
54/ 53	.4	2.2	1.1	.2		.4	.2	.1										39	39	19	16	
52/ 51	1.5	1.5	1.1	.1	.7	.7												48	48	29	35	
50/ 49	.4	1.2	1.2	.9	1.2	.4	.5											48	48	31	19	
48/ 47	.2	2.1	1.1	.9	1.1	.2	.1	.1										50	50	32	15	
46/ 45	.5	3.1	1.7	1.5	.4	.5	.4											67	67	57	35	
44/ 43	.4	1.7	1.8	1.1		.4	.1											45	45	48	30	
42/ 41	.8	2.6	1.7	1.3	.1	.2												57	57	69	42	
40/ 39	.5	5.1	2.0	1.7	.9	.2												88	88	68	30	
38/ 37	.1	2.0	2.1	1.2	.2													48	48	70	51	
36/ 35	.5	3.4	2.2	.9														60	60	58	56	
34/ 33	1.9	1.4	1.5	.4														44	44	84	72	
32/ 31	.1	3.7	2.4															52	52	47	73	
30/ 29	.5	1.4	1.1															25	25	59	49	
28/ 27		1.2	.6															15	15	30	51	
26/ 25		1.2	.4															13	13	16	40	
24/ 23		.7	.5															10	10	18	32	
22/ 21		.5																4	4	6	31	
20/ 19		.1																1	1	6	34	
18/ 17																				1	19	
16/ 15																					15	
14/ 13																					10	
12/ 11																					3	
10/ 9																					3	
TOTAL	8.44	2.62	6.01	1.0	5.1	3.6	2.1	.8	.4									845		845	845	
																		845		845		
Element (X)	ΣX ²		ΣX		Σ		Σ ²		No. Obs.		Mean No. of Hours with Temperature							Total				
Rel. Hum.	5124879		64219		76.017.014		845		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	1703247		36975		43.710.160		845				11.9		.7								84	
Wet Bulb	1463302		34156		40.4 9.897		845				18.2										84	
Dew Point	1212429		30371		35.911.965		845				35.7										84	

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 STATION ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80 YEARS

FEB
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																	
78/ 77										.1																							1	1			
76/ 75										.1															.1								2	2			
74/ 73								.1		.1																							3	3			
72/ 71					.1		.5	.1	.1	.1					.1																		9	9			
70/ 69				.4	.4	.5	.1	.4		.4	.2				.4	.2																	19	19			
68/ 67				.5	.8	.6	.6	.2	.2	.1	.1	.2				.2																	29	29			
66/ 65		.2	.8	.8	1.7	.2	.7	.1	.1	.2	.1	.1	.1			.1	.1																34	34	4		
64/ 63	.1	.8	.7	.7	.6	.4	.4	.1	.2	.4	.2					.2																	39	39	18	3	
62/ 61	.2	.8	.9	.6	.2	.4	.5	.5																									35	35	33	17	
60/ 59	.1	.6	.6	.5	.4	.5	.6	1.1	.2	.1																							39	39	35	17	
58/ 57		.5	.9	.7	1.1	.5	.6	.2																									37	37	29	29	
56/ 55		.9	.5	.4	.1	1.4	.5	.5	.1																								37	37	24	31	
54/ 53	.2	1.8	.7	1.2	.9	.6	.4	.7	.1																								56	56	40	23	
52/ 51	.5	1.1	.8	1.8	1.1	.6	.7	.1																									56	56	39	33	
50/ 49	.1	1.5	1.5	.8	1.3	1.4	.6																										62	62	45	34	
48/ 47	.2	2.4	.8	.9	1.4	.6	.4																										57	57	56	27	
46/ 45		1.8	.7	.6	1.5	1.1	.1																										49	49	80	34	
44/ 43	.4	1.2	1.5	1.2	1.1	.5	.1																										50	50	61	42	
42/ 41	.1	2.2	.6	.9	.5	.1	.1																										39	39	57	47	
40/ 39	.1	1.8	1.5	1.3	.2	.1																											43	43	63	41	
38/ 37	.1	1.9	.8	.8	.4																												34	34	62	48	
36/ 35	.5	1.5	1.1	.7	.1																												33	33	52	58	
34/ 33	1.2	.1	1.2	.4																													24	24	48	46	
32/ 31	.1	1.7	.9	.6	.1																												29	29	27	60	
30/ 29	.4	.5	.7																														13	13	32	47	
28/ 27		.6	.7	.1																													12	12	14	46	
26/ 25		.4	.2																														5	5	18	44	
24/ 23																																				8	22
22/ 21																																				1	29
20/ 19																																					29
18/ 17																																					17
16/ 15																																					17
14/ 13																																					5
12/ 11																																					1
Element (X)	Σ X ¹					Σ X					Σ					Σ _A					No. Obs.					Mean No. of Hours with Temperature											
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 44 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

FEB
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

1200 170
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

03902	ROBERT GRAY AAF TX (FORT HOOD)
STATION	STATION NAME

69-70, 73-80

FFB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 1041-A

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

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												.2	.5	.2	.1	.2			5	5								
84/ 83												.5	.2	.1	.1				10	10								
82/ 81										.7	.1	.5	.1	.7	.1				15	16								
80/ 79							.1	.7	1.3	.2	.6	.4	.5	.2	.1				35	35								
78/ 77						.1	.7	.7	.2	.5	.2	.1	.5	.2					28	28								
76/ 75					.2	.7	.7	.8	.6	.5	.6	.1	.5	.1					41	41								
74/ 73				.4	.5	.6	.5	.9	.2	.5	.2	.5	.2	.6					37	37								
72/ 71				.2	.6	.9	.1	.4	.8	.6	1.1	.6							45	45								
70/ 69			.1		.1	.8	.1	.7	.4	.4	.6	.7	.1						34	34								
68/ 67				.6	.7	.8	.7	1.3	.5	.1	.2								42	42								
66/ 65				.2	.8	.1	.6	.5	.9	.6	.1								33	33	30							
64/ 63			.2	.1	.1	.7	1.3	.4	.7	.5	.1								35	35	33	4						
62/ 61	.4		.2	.7	.4	.4	.7	.7	.7	1.2									45	45	36	9						
60/ 59	.2	.4	.5	.7	.8	.6	1.2	1.2	.7	.4									56	56	46	11						
58/ 57		.4	.6	.8	.5	.5	.5	.9	.7	.1									42	42	46	23						
56/ 55		.2	.5	.1	.4	.9	.9	1.5	.4										41	41	51	22						
54/ 53		1.3	.1		.2	.5	.2	.7	.2										28	28	64	36						
52/ 51		.4	.4	.1	1.2	.7	1.2	.1											34	34	70	45						
50/ 49		.9	.9	1.2	.6	1.3	.2	.6											49	49	55	32						
48/ 47		1.4	.8	.5	.9	.5	.1												36	36	53	33						
46/ 45		.1	.7	.6	.2	.5	.2												20	20	57	40						
44/ 43		1.8	1.3	.4	.1	1.2													40	40	71	38						
42/ 41	.1	.1	.2	.6	.7	.4													18	18	62	36						
40/ 39	.2	.6	.4		.9	.1													19	19	46	50						
38/ 37		1.1		.6	.5														18	18	19	51						
36/ 35		.1	.2	.2	.1														6	6	34	51						
34/ 33	.5	.9																	12	12	23	35						
32/ 31	.1	.9	.4	.4															15	15	25	69						
30/ 29		.4																	3	3	10	40						
28/ 27		.2																	2	2	7	22						
26/ 25		.1																	1	1	3	41						
24/ 23																					1	27						
22/ 21																						39						
20/ 19																						35						
Element (X)	Σ x ¹				Σ x				x̄		s _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.															≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

PSYCHROMETRIC SUMMARY

FEB
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

69-7C, 73-8C

YEARS

FEB
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

FFB

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1890-2000

1000 250
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

55

MONTH

2100-2300

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEB

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				
86/ 85													.0	.0	.0			6	6					
84/ 83												.0	.1	.0	.0	.0		12	12					
82/ 81									.0	.1	.1	.0	.0	.1	.0			26	26					
80/ 79							.0	.1	.2	.1	.1	.1	.1	.1	.0			49	49					
78/ 77						.0	.1	.2	.1	.1	.1	.0	.1	.1				60	60					
76/ 75					.0	.1	.3	.3	.2	.1	.1	.0	.1	.0				87	87					
74/ 73					.1	.2	.3	.1	.1	.1	.1	.2	.1					99	99					
72/ 71				.1	.1	.4	.3	.1	.1	.2	.1	.2	.1					113	113					
70/ 69			.1	.2	.3	.3	.2	.2	.2	.2	.2	.2	.1					142	142					
68/ 67			.6	.2	.4	.2	.2	.2	.3	.2	.2	.1						179	179	8				
66/ 65		.3	.6	.5	.4	.2	.2	.2	.4	.2	.1	.0						205	205	68				
64/ 63	.0	.4	.7	.6	.4	.3	.4	.3	.3	.2	.1	.0						243	243	156 21				
62/ 61	.2	.8	.8	.4	.4	.3	.4	.4	.2	.2								273	274	226 97				
60/ 59	.2	.9	.7	.5	.3	.3	.6	.5	.3	.1								306	306	252 127				
58/ 57	.1	.7	.7	.5	.5	.6	.4	.5	.2	.0								294	294	259 211				
56/ 55	.2	.8	.7	.5	.5	.7	.5	.5	.1									298	298	243 212				
54/ 53	.3	1.7	.8	.5	.8	.7	.6	.5	.1									391	391	320 223				
52/ 51	.5	1.0	.8	.6	1.1	.7	.5	.2	.0									367	367	362 277				
50/ 49	.2	1.2	1.4	1.2	1.4	.8	.4	.2										463	463	351 240				
48/ 47	.3	1.9	.9	.9	1.1	.4	.4	.1										400	401	415 225				
46/ 45	.1	1.7	1.2	.9	.7	.5	.3											355	355	495 277				
44/ 43	.1	1.6	1.3	1.2	.6	.5	.1											384	384	500 269				
42/ 41	.3	1.8	1.4	1.1	.5	.3	.0											361	361	532 316				
40/ 39	.3	2.2	1.0	1.0	.6	.1												409	409	461 355				
38/ 37	.2	1.4	1.0	1.0	.3	.0												270	270	466 399				
36/ 35	.2	1.8	1.0	.8	.1													259	259	395 441				
34/ 33	.8	1.0	.8	.3	.0													203	203	393 437				
32/ 31	.3	1.7	1.3	.3	.0													242	242	269 556				
30/ 29	.3	1.0	.5	.0														127	127	248 368				
28/ 27		.7	.3	.0														71	71	160 334				
26/ 25		.4	.2															45	45	101 288				
24/ 23		.2	.1															17	17	58 248				
22/ 21	.0	.1	.0															9	9	16 269				
20/ 19		.0																1	1	11 214				
Element (X)	ΣX'		ΣX		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

FFA

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

YEARS

MAR

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
74/ 73				.2														2	2		
72/ 71			.9	.9														16	16		
70/ 69		.1	3.1	.2						.2								34	34		
68/ 67		.8	3.2	.4						.1								42	42	19	
66/ 65	.1	.6	1.8	.8	.1		.1	.1	.2	.1								37	37	52	18
64/ 63	.5	2.5	1.9			.3	.1	.1	.1									52	52	38	55
62/ 61	.4	1.9	1.1	.6	.2	.1	.2	.2	.2									47	47	51	49
60/ 59	.5	1.9	.8	.4	.3	.9	.1	.3	.1									50	50	42	47
58/ 57	.4	1.7	.9	1.7	2.0	.8	.4	.1										75	75	37	45
56/ 55	.1	1.9	1.4	1.6	1.8	.9	.2	.2										76	76	26	28
54/ 53	.2	1.2	2.3	1.1	1.4	.6	1.2	.1										75	75	41	21
52/ 51		1.1	1.6	1.5	1.4	1.0	.1											62	62	55	31
50/ 49		2.2	2.0	1.3	1.7	1.2	.1	.1										80	80	80	29
48/ 47		2.3	1.4	1.3	1.2		.1											58	58	81	46
46/ 45		1.4	1.1	1.3	1.1													45	45	74	48
44/ 43		.6	1.9	1.0	.2													35	35	65	57
42/ 41		1.7	2.0	1.3														47	47	68	55
40/ 39		.9	1.2	.4	.1													24	24	63	54
38/ 37	.1	1.0	1.2		.1													22	22	44	57
36/ 35		.8	1.7	.4														27	27	29	40
34/ 33		.5	.3	.3														11	11	26	67
32/ 31				.1														1	1	17	45
30/ 29			.4															4	4	9	60
28/ 27			.1															1	1	1	25
26/ 25		.3																3	3	5	25
24/ 23		.1																1	1	3	6
22/ 21			.2															2	2	1	6
20/ 19			.1															1	1	2	9
18/ 17																				1	5
16/ 15																					6
8/ 7																					3
TOTAL	2.525	.532	.716	.911	.7	5.7	2.7	1.3	.6	.4								930	930	930	
Element (X)	Σx'		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total		
Rel Hum	5088673		67033		72.116.634		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	2723537		49491		53.2 9.833		930				1.3		9.4		.2						93
Wet Bulb	2298697		45289		48.710.417		930				3.9		1.9								97
Dew Point	1926854		40712		43.812.477		930				19.0										94

PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAE
MONTH

PAGE 2

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03900 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

MAF
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					
72/ 71			.6	.5														11	11						
70/ 69			2.5	.5			.1			.1								30	30						
68/ 67		.6	1.7	.4		.3	.1											30	30	15					
66/ 65	.1	1.6	1.5			.1		.1										32	32	36	27				
64/ 63	.1	2.2	1.1	.3	.3													37	37	34	27				
62/ 61		1.2	1.1	.1	.2		.1	.1	.2	.1								29	29	32	33				
60/ 59	.6	2.2	1.0	.4	.1	.2	.1		.2									46	46	40	42				
58/ 57	.5	1.8	2.5	.8		.3	.3	.1										54	54	37	34				
56/ 55	.8	2.4	2.8	.6	.5	.4	.4	.3										61	61	44	33				
54/ 53	1.2	2.4	1.3	.9	.9	.8	.2	.2										72	72	63	47				
52/ 51	.1	1.3	1.9	1.1	.6	.3	.2											51	51	44	46				
50/ 49	.5	1.7	1.9	1.6	1.3	.4												70	70	47	46				
48/ 47		3.2	2.4	1.9	1.4	.2												85	85	56	29				
46/ 45		2.7	1.9	1.5	1.0													66	66	87	49				
44/ 43		1.6	1.9	.9	1.3													50	50	75	41				
42/ 41		.8	1.8	1.2	.6													40	40	73	61				
40/ 39		2.6	1.7	.3	.2													45	45	60	44				
38/ 37		1.2	1.3	.9														31	31	60	48				
36/ 35		.4	2.2	.3														30	30	32	59				
34/ 33		.4	1.0	.2														15	15	32	56				
32/ 31		.2	.4															5	6	29	49				
30/ 29		.1	.4															5	5	12	29				
28/ 27		.2	.8															9	9	4	39				
26/ 25		.1	.1															2	2	9	39				
24/ 23																				6	14				
22/ 21																					12				
20/ 19			.1															1	1		10				
18/ 17		.2																2	2	1	5				
16/ 15																				2	7				
14/ 13																					1				
8/ 7																					3				
TOTAL	4.1	30.9	35.9	14.5	8.0	3.5	1.6	.9	.2	.4								930		930	930				
Element (X)	Σx ¹	Σx	̄x	σ _x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	5471863	69827	75.1	15.702	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	2518164	47488	51.1	10.022	930		2.5	7.1				93													
Wet Bulb	2170542	43920	47.2	10.186	930		6.3	1.5				93													
Dew Point	1856573	39902	42.9	12.474	930		20.8					93													

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

69-70,73-80

MAR

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																										
90/ 89															.1																		1	1												
88/ 87															.1																		1	1												
84/ 83															.2																		2	2												
82/ 81										.1																							1	1												
80/ 79							.1		.1				.1		.1																	7	3													
78/ 77						.1	.5		.1			.1	.1		.1	.2																12	12													
76/ 75					.2	.9	.1		.1	.1			.1		.1	.2																17	17													
74/ 73					.6	.4	.4		.1	.2			.2		.2																	21	21													
72/ 71			.6	1.1	.9		.3	.4	.2	.4	.3																					40	40	1												
70/ 69		.2	.4	.9	.9	.3	.3	.5	.3	.4	.5																					45	45	10												
68/ 67		.5	1.4	.5	.5	.4	.8	.3	.3	.3																						48	48	29	1											
66/ 65		.5	1.2	1.0	.6	.5	.8	.9	.6	.1																						58	58	27	29											
64/ 63	.1	1.7	.5	.6	.6	.5	1.3	.5	.3	.3	.1																					63	63	46	23											
62/ 61		1.4	1.2	1.4	1.6	.5	1.0	.6	.3	.2																						77	77	42	37											
60/ 59	.4	1.1	1.4	1.1	.8	.8	1.1	1.0	.4																							74	74	51	49											
58/ 57	.4	1.3	1.1	1.0	.8	1.2	1.1	.5	.2																							70	70	56	37											
56/ 55	.4	1.5	1.3	1.0	.9	1.0	1.0	.3																								68	68	66	40											
54/ 53		.3	.8	.8	1.1	1.1	.9	.1																								46	46	72	47											
52/ 51		1.1	1.0	1.1	1.0	1.4	.3	.1																								55	55	65	30											
50/ 49		1.9	1.2	.9	1.1	1.0	.2	.1																								59	59	69	38											
48/ 47		1.5	.6	.4	.6	.4	.1																									35	35	79	46											
46/ 45		1.3	1.4	.6	.4	.2																										37	37	77	56											
44/ 43		.6	.4	.5	.9	.1																										24	24	64	58											
42/ 41		.6	.6	.5	.2																											19	19	48	43											
40/ 39		.3	1.0	.8	.1																											20	20	36	52											
38/ 37		.2	.5	.3	.1																											11	11	29	59											
36/ 35		.1	.2	.3																												6	6	21	42											
34/ 33		.1	.5	.2																												8	8	13	54											
32/ 31			.1	.2																												3	3	12	43											
30/ 29			.1																													1	1	4	31											
28/ 27			.2	.1																												3	3	3	39											
26/ 25			.1																													1	1	3	20											
24/ 23																																		2	18											
22/ 21			.1																													1	1	1	13											
Element (X)	Σ X²				Σ X				X̄				σ²				No. Obs.				Mean No. of Hours with Temperature												Total													
Rel. Hum.																					≤ 0 F				≤ 32 F				≥ 67 F				≥ 73 F				≥ 80 F				≥ 93 F				Total	
Dry Bulb																																														
Wet Bulb																																														
Dew Point																																														

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

G900-1170
HOURS U. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

MAF
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		
98/ 97															.1	.1		2	2				
94/ 93															.1			1	1				
92/ 91															.1			1	1				
90/ 89															.1			1	1				
88/ 87															.1			1	1				
86/ 85									.1	.1		.1	.2					5	5				
84/ 83							.1	.3	.2		.5		.1	.5				15	15				
82/ 81						.1	.6	.7		.1	.1	.1	.3	.1				17	17				
80/ 79						.7	.5	.8	.2	.1	.5	.4	.3	.1				33	33				
78/ 77					.1	.6	1.1	.4	.1	.4	.3	.4	.5					37	37				
76/ 75					.8	1.3	.7	.8	.3	.5	.4	.6	.1					51	51				
74/ 73				.1	.9	1.0	.6	.5	.2	1.0	.6	.6						52	52				
72/ 71		.1	.2	.1	.6	.8	.8	1.3	1.3	.8	.5	.1	.1					62	62	6			
70/ 69		.2	.8	.9	.9	.4	1.3	1.7	.8	.9	.5	.3						80	80	17			
68/ 67		.2	1.0	.9	.3	.4	1.1	1.0	1.5	1.0	.3							70	70	41	5		
66/ 65		.4	.4	1.0	.8	.6	.8	1.1	1.3	1.0	.2							70	70	50	13		
64/ 63		.9	.8	.8	.1	.6	.5	1.1	1.1	.6								60	60	52	30		
62/ 61	.2	.9	.3	.4	.4	.4	.5	1.2	.9	.2								51	51	52	40		
60/ 59	.1	.5	.9	.5	.4	.5	1.6	.6	.2									49	49	62	51		
58/ 57	.1	.9	.3	.3	.9	.8	.9	.9	.5	.1								52	52	73	47		
56/ 55		.4	.6	.4	.9	.9	.7	.5	.2									42	42	91	33		
54/ 53		.2	.2	.5	.5	.8	.5	.1	.1									28	28	65	39		
52/ 51		1.2	.2	.6	.4	.6	.6											35	35	68	27		
50/ 49		.5	.4	.3	.1	.4	.4											21	21	80	40		
48/ 47		1.0	.6	.2	.1	.1												19	19	73	48		
46/ 45	.1	.9	.3	.5	.3													20	20	53	51		
44/ 43		.3	1.4	.2	.1	.2												21	21	49	48		
42/ 41		.3	.3	.2	.2													10	10	23	58		
40/ 39			.1	.3	.4													8	8	35	36		
38/ 37				.1	.2													3	3	10	59		
36/ 35		.3		.1	.3													7	7	4	63		
34/ 33			.1		.1													2	2	10	40		
32/ 31		.2		.2														4	4	5	53		
30/ 29																				6	41		
Element (X)	Z _X ²		Z _X		X		σ _X		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

MAK
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

MAK
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

PAGE 2

[illegible]

GLOSA CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

MAR
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												
90/ 89															.1						1	1										
88/ 87										.1											1	1										
86/ 85															.1						1	1										
84/ 83								.1		.1		.1									3	3										
82/ 81						.1	.1	.2		.1		.1	.1	.2							9	9										
80/ 79						.2	.5	.1	.1												8	8										
78/ 77						.5	.9	.1	.2	.2	.1	.3	.3	.1							26	26										
76/ 75					.6	1.4	.5	.4		.4	.4	.1	.1								38	38										
74/ 73				.5	.9	.5	.6	.5	.2	.2	.8	.4	.2								46	46										
72/ 71			.5	.5	.9	1.0	.5	.1	.5	.6	.4	.1	.1								50	50	3									
70/ 69		.1	.2	1.5	.6	1.5	.5	.8	.9	1.1	.4	.1									77	77	1									
68/ 67		.5	1.9	.9	.5	.6	.8	.9	.5	.6	.6	.1									75	75	34	1								
66/ 65		.8	1.1	.5	.5	.8	1.3	1.0	.9	.5	.1										69	69	56	10								
64/ 63	.1	.2	.2	.4	1.1	.6	1.1	1.4	.8	.5											60	60	68	25								
62/ 61	.6	.9	.5	1.1	.8	1.1	1.1	.6	.9	.1											71	71	44	67								
60/ 59	.3	.8	.3	.4	.9	1.0	1.0	1.3	.5												57	57	54	50								
58/ 57		.6	.4	.4	1.0	1.4	.9	.8	.2												53	53	47	38								
56/ 55		.9	.4	.9	.6	1.4	.5	.5													49	49	67	27								
54/ 53		.8	.6	1.1	1.1	1.1	.4	.3													50	50	80	39								
52/ 51		1.0	1.2	.4	.6	.9	.4														42	42	63	47								
50/ 49		.1	1.5	.2	1.2	.4	.2														34	34	93	26								
48/ 47		.3	.5	.6	.4	.4	.2														24	24	81	34								
46/ 45		1.2	.3	.3	.1		.1														23	23	62	50								
44/ 43		.4	.9	.6	.3																21	21	52	45								
42/ 41		.2	.3	.4	.4	.1															14	14	39	62								
40/ 39		.4	.4	.2	.2																12	12	29	46								
38/ 37		.3		.1	.2																6	6	21	49								
36/ 35				.2																	2	2	15	60								
34/ 33					.2																2	2	7	48								
32/ 31			.3	.1	.1																5	5	3	62								
30/ 29				.1																	1	1	4	35								
28/ 27																							3	22								
26/ 25																							2	26								
24/ 23																							2	16								
Element (X)	Σx²					Σx					Σ					Σ²					No. Obs.					Mean No. of Hours with Temperature						
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																																
Wet Bulb																																
Dew Point																																

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

PSYCHROMETRIC SUMMARY

MA
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

STATION

STATION NAME

YEARS

HAP
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				
80/ 79					.1														1	1				
76/ 75				.1		.1		.1											3	3				
74/ 73			.1	.4	.2	.1													8	8				
72/ 71			1.3	1.4	.8	.1					.1								21	31	1			
70/ 69			1.5	1.7	.8	.3		.1	.2	.1									44	44	4	1		
68/ 67		.4	2.5	1.5	.5	.4	.1	.2		.1									49	49	21	4		
66/ 65		1.3	2.4	1.3	.4	.2	.2	.4	.3	.2	.1								64	64	45	14		
64/ 63	.1	1.2	1.4	.4	.5	1.3	.6	.4	.5		.1								62	62	54	42		
62/ 61	.6	1.2	.2	.8	1.6	1.0	.3	.6	.1	.2									62	62	55	53		
60/ 59	.6	1.2	1.4	1.0	1.8	1.6	.8	.9	.4										87	87	43	57		
58/ 57	.1	1.0	.9	.6	1.3	1.7	.9	.2											62	62	29	34		
56/ 55	.1	1.4	.8	1.1	1.4	1.2	.2	.3											60	60	42	28		
54/ 53	.1	.9	1.4	1.2	2.0	1.2	.3	.1											67	67	65	36		
52/ 51		1.2	2.0	1.2	1.4	.9	.1												63	63	59	30		
50/ 49		1.0	2.7	.9	1.4	.4	.2												61	61	92	29		
48/ 47		.1	1.3	1.1	1.1	.1	.1												35	35	78	45		
46/ 45		1.5	1.1	1.5	.5														43	43	75	61		
44/ 43		.8	1.3	1.2	.4	.1													35	35	70	48		
42/ 41		.6	1.5	.3	.4														27	27	51	60		
40/ 39		.4	1.7	.5	.4														22	22	42	55		
38/ 37		.6	1.1	.6															22	22	36	52		
36/ 35		.3	.5	.2															10	10	22	56		
34/ 33				.1															1	1	21	58		
32/ 31			.4																4	4	11	56		
30/ 29			.1																1	1	3	29		
28/ 27			.1	.1															2	2	4	20		
26/ 25		.1	.1	.1															3	3	1	25		
24/ 23			.1																1	1	4	10		
22/ 21																					1	6		
20/ 19																					1	13		
18/ 17																						2		
16/ 15																						3		
10/ 9																						1		
8/ 7																						2		
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

PSYCHROMETRIC SUMMARY

YAR
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

H A C

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

435

STATION

STATION NAME

YEARS

MONTH

PAGE 3

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
78 / 77			.1	.1														2	2				
76 / 75		.3	.2	.7														16	16				
74 / 73		.9	1.1	.4		.1												23	23	9			
72 / 71		1.1	2.3	1.0		.1		.1										42	42	20	11		
70 / 69	.6	.9	.4	.8	.2	.3		.2	.1									64	64	26	31		
68 / 67	.6	1.2	6.2	.8	1.0	.2	.3	.1	.1	.1	.2							98	98	47	23		
66 / 65	.9	1.3	5.2	1.1	.6	.1		.1	.1		.1							86	86	70	46		
64 / 63		1.7	3.1	1.1	.4	.6	.1	.2	.1									66	66	79	65		
62 / 61	.1	2.1	1.8	1.7	1.3	.4	.4	.3										74	74	69	68		
60 / 59	.4	3.4	3.1	2.2	1.9	.7	.6	.2										112	112	63	68		
58 / 57		1.6	2.2	1.7	1.0	1.1	.6											73	73	69	56		
56 / 55	.2	.9	1.9	1.3	.7	.3	.2											49	49	78	64		
54 / 53	.1	1.1	2.8	1.3	.2	.2												53	53	67	49		
52 / 51	.4	1.1	1.6	.8	.4	.2												41	41	63	50		
50 / 49	.2	.7	1.4	.4	.3	.1												29	29	79	41		
48 / 47			.9	.2	.7													16	16	51	53		
46 / 45	.3	.4	.4	.4	.6													20	20	31	65		
44 / 43		.2	.4	.4	.1													11	11	26	39		
42 / 41		.3	.1	.7														10	10	12	22		
40 / 39		.1	.6															6	6	15	35		
38 / 37			.2	.3														5	5	11	14		
36 / 35			.2	.1														3	3	9	17		
34 / 33			.1															1	1	3	21		
32 / 31																				6	18		
30 / 29																					16		
28 / 27																					5		
26 / 25																					5		
24 / 23																					2		
22 / 21																					7		
TOTAL	3.9	19.4	40.6	17.7	9.3	4.7	2.2	1.2	.6	.1	.3								900		900		
																		900		900			
																				</			

PSYCHROMETRIC SUMMARY

APP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

APF

PAGE 1 C60C-C80C
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

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

[illegible]

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

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902
STATION

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

69-70,73-80
YEARS

APR
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																
92/ 91																																				
90/ 89																																				
88/ 87																																				
86/ 85																																				
84/ 83																																				
82/ 81																																				
80/ 79																																				
78/ 77																																				
76/ 75																																				
74/ 73																																				
72/ 71																																				
70/ 69																																				
68/ 67																																				
66/ 65																																				
64/ 63																																				
62/ 61																																				
60/ 59																																				
58/ 57																																				
56/ 55																																				
54/ 53																																				
52/ 51																																				
50/ 49																																				
48/ 47																																				
46/ 45																																				
44/ 43																																				
42/ 41																																				
40/ 39																																				
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
30/ 29																																				
28/ 27																																				
26/ 25																																				
Element (X)	Σ X'					Σ X					Σ					Σ					Σ					Σ					Σ					
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

PSYCHROMETRIC SUMMARY

03902

ROBERT GRAY AAF TX (FORT HOOD)

69-70, 73-80

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

69-70, 73-80

APR
MONTH

PAGE 2

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

[illegible]

PSYCHROMETRIC SUMMARY

03902	ROBERT GRAY AAF TX (FORT HOOD)
STATION	STATION NAME

69-70, 73-80

APR
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FCRT HGOO) 69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
92/ 91											.0	.1						5	5					
90/ 89										.0	.0				.0			9	9					
88/ 87								.0	.0	.1	.0			.0	.0	.0		18	18					
86/ 85						.1	.1	.2	.2	.1	.1	.1	.0	.1	.0	.0		61	64					
84/ 83					.0	.1	.2	.3	.1	.2	.1	.1	.0	.1	.0			90	90					
82/ 81				.1	.2	.2	.6	.2	.1	.3	.3	.2	.1	.1	.0			170	170					
80/ 79				.2	.4	.6	.3	.3	.3	.2	.3	.2	.1	.1				209	209					
78/ 77			.1	.4	.7	.6	.7	.5	.3	.5	.4	.3	.2					338	338					
76/ 75		.2	.5	.9	.8	.9	.5	.6	.5	.6	.3	.2	.0					422	422	13				
74/ 73		.4	1.0	1.3	.7	.7	.4	.4	.5	.4	.3	.1						447	447	102	6			
72/ 71		.6	1.8	1.2	.8	.6	.6	.6	.5	.4	.1	.1						523	523	241	70			
70/ 69	.4	.7	3.1	1.1	1.0	.6	.4	.5	.4	.3	.2	.0						628	628	396	199			
68/ 67	.5	.8	3.3	.9	.8	.4	.6	.4	.3	.2	.1							609	609	512	296			
66/ 65	.4	1.1	2.8	1.1	.6	.7	.5	.5	.2	.2	.0							564	564	631	441			
64/ 63	.2	1.0	1.6	1.0	.7	.7	.5	.3	.2	.1								516	516	678	550			
62/ 61	.4	1.8	1.4	1.0	.7	.7	.5	.3	.1									496	496	600	526			
60/ 59	.1	2.2	1.5	.7	.7	.5	.3	.2	.1									460	460	624	529			
58/ 57	.0	1.4	1.6	.8	.7	.5	.3	.2										388	388	615	478			
56/ 55	.1	1.0	1.0	.5	.5	.4	.2	.1										276	276	582	531			
54/ 53	.1	.8	1.0	.7	.3	.3	.2	.0										238	238	503	393			
52/ 51	.2	.7	1.0	.4	.4	.2	.1											213	213	423	385			
50/ 49	.2	.3	.9	.4	.3	.2	.1											162	162	328	352			
48/ 47	.2	.3	.4	.2	.3	.0												101	101	300	325			
46/ 45	.1	.2	.3	.3	.2	.0												79	79	191	369			
44/ 43	.0	.2	.2	.3	.1	.0												65	65	143	332			
42/ 41		.2	.1	.2	.1													38	38	96	268			
40/ 39	.0	.1	.3	.1														34	34	86	231			
38/ 37	.0	.1	.1	.1														16	16	55	208			
36/ 35		.0	.1	.1														12	12	39	159			
34/ 33			.1	.0														9	9	20	127			
32/ 31			.0															1	1	11	133			
30/ 29																				11	117			
28/ 27																					62			
26/ 25																					69			
Element (X)	Σx'		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature							Total				
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

PSYCHROMETRIC SUMMARY

APR
MONTH

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DAY
MONTH

0300-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAY
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

Y A Y
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOE)

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
94/ 93									.1		.1								2	2				
92/ 91								.3	.3	.3									12	12				
90/ 89							.1	1.4	.9	.4	.1								29	29				
88/ 87						.2	1.2	2.0	.8	.3	.2	.3	.1						48	48				
86/ 85					.2	1.1	3.3	1.5	1.7	1.0	.5	.1	.2						90	90				
84/ 83				.5	4.5	2.5	2.7	1.7	.6	.5	.1								123	123				
82/ 81			.1	2.4	1.7	3.1	1.2	.9	.3	.8	.1								98	98				
80/ 79			.5	2.3	4.3	1.1	2.0	.5	.6	.8									114	114	1			
78/ 77			.2	1.8	2.4	2.0	1.7	.6	1.2	.4	.2								103	103	12			
76/ 75			.2	1.1	1.3	1.4	.6	.9	1.4	.5	.1								72	72	59			
74/ 73	.1	.3	2.0	1.4	1.3	.5	.4	.4	.2	.1									64	64	152	7		
72/ 71	.8	.8	.5	1.2	.6	.1	.5	.4	.1										47	47	121	50		
70/ 69	.2	1.7	.5	.6	.3	.4	.3	.3											42	42	146	118		
68/ 67		.9		.5	.1	.3	.5	.1	.3										26	26	94	115		
66/ 65	.5	.8	.5		.2	.2	.3	.1											25	25	97	117		
64/ 63	.3	.5	.1	.1	.4														14	14	70	94		
62/ 61	.4			.3	.1														8	8	64	81		
60/ 59	.1	.2		.1															4	4	40	71		
58/ 57	.1		.4																5	5	23	66		
56/ 55																					20	43		
54/ 53	.1	.1																	2	2	15	22		
52/ 51	.1	.1																	2	2	9	24		
50/ 49																					7	24		
48/ 47																						33		
46/ 45																						25		
44/ 43																						17		
42/ 41																						7		
40/ 39																						9		
38/ 37																						7		
36/ 35																						1		
34/ 33																						1		
32/ 31																						1		
30/ 29																						2		
Element (X)	Σx'		Σx		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 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

65-70,73-80

MAY
MONTH

STATION

STATION NAME

YEARS

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
100/ 99																	.1														1	1							
98/ 97												.1		.1																	2	2							
96/ 95													.1																		1	1							
94/ 93											.2	.1	.2	.2																	7	7							
92/ 91										.2	.2	.5	.4	.4																	22	22							
90/ 89									.1	2.4	1.9	.9	.6		.4	.2	.1														62	62							
88/ 87						.2	1.8	3.8	2.2	.9	.5	.4	.2	.1	.1	.1															96	96							
86/ 85					.1	1.2	1.4	3.2	1.7	.8	1.1	.1	.1																		90	90							
84/ 83					.5	2.2	1.6	2.6	1.6	.8	.6	.6																			98	98							
82/ 81				.2	1.0	1.9	2.9	2.4	1.9	.8	.5	.6																			114	114							
80/ 79				1.0	1.5	2.2	1.4	1.0	1.1	1.4	.4	.2																			94	94							
78/ 77			.4	1.3	1.7	1.1	1.3	.9	1.0	.8	.4																				82	82	20						
76/ 75		.1	1.0	.6	.8	.9	.9	.2	.5	.4	.2																				52	52	70	1					
74/ 73		.4	.6	1.0	.8	1.6	1.3	.2	.4	.1	.1																				61	61	139	7					
72/ 71		.1	.5	.8	1.3	.6	.4	.5	.6																						46	46	141	57					
70/ 69		.9	.5	.4	.4			.1	.2	.5																					29	29	120	100					
68/ 67		.3	.8	.3	.3	.2	.3	.2	.2																						25	25	105	104					
66/ 65		.5	.4	.1		.1	.2		.2																						15	15	89	118					
64/ 63		.5	.2	.1	.2	.1																									11	11	77	83					
62/ 61		.8	.2		.1																										10	10	69	79					
60/ 59		.4	.1																												5	5	36	70					
58/ 57		.1		.3																											4	4	26	81					
56/ 55			.1																												1	1	18	59					
54/ 53			.1																												1	1	11	30					
52/ 51			.1																												1	1	6	20					
50/ 49																																	3	25					
48/ 47																																			27				
46/ 45																																			26				
44/ 43																																			21				
42/ 41																																			7				
40/ 39																																			6				
38/ 37																																			6				
36/ 35																																			1				
34/ 33																																			1				
Element (X)	Σ X ²					Σ X					ȳ					σ _x					No. Obs.					Mean No. of Hours with Temperature													
Rel Hum.																										≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

PSYCHROMETRIC SUMMARY

YEARS

 MAY
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 18CG-2CGC
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						
92/ 91									.1	.2	.1							4	4						
90/ 89							.1	.2	.2	.1								6	6						
88/ 87							.5	.6	.4	.4	.1	.1	.1	.1				25	25						
86/ 85						1.0	1.5	1.8	.4	.2	.4					.1		51	51						
84/ 83				.1	.6	1.4	1.7	1.3	1.3	.1	.1	.1	.1					64	64						
82/ 81				.6	2.0	2.4	2.9	1.6	.9	.4	.2							103	103						
80/ 79			.1	1.4	1.9	3.0	1.1	1.7	.9	.5	.2	.2						111	111						
78/ 77			.3	1.6	2.9	2.5	1.4	.9	.6	.2	.1							96	96	4					
76/ 75			.9	3.0	2.2	1.4	1.3	.9	.6	.3								98	98	42					
74/ 73		.8	1.6	1.7	1.3	1.2	1.3	.9	.3		.1							82	82	89	10				
72/ 71		.4	1.1	1.9	1.4	.9	.8	.8	.3									62	62	124	50				
70/ 69		1.1	1.3	1.1	1.3	1.3	.3	.3	.3									64	64	144	83				
68/ 67		1.2	1.6	.8	1.1	.7	.5	.2	.1									54	54	123	118				
66/ 65	.3	.8	1.9	1.0	.2	.3	.2		.1									45	45	90	124				
64/ 63		.8	.1	.6	.2	.6	.3											25	25	101	89				
62/ 61		.5	.5	.7	.1	.3												16	16	74	79				
60/ 59		.2	.4	.1	.2	.2												11	11	51	88				
58/ 57	.1			.4	.1													6	6	33	69				
56/ 55		.1	.1	.2														4	4	20	55				
54/ 53		.1	.1															2	2	17	38				
52/ 51																				14	32				
50/ 49																				4	17				
48/ 47																					16				
46/ 45																					35				
44/ 43																					8				
42/ 41																					10				
40/ 39																					4				
38/ 37																					3				
36/ 35																					1				
26/ 25																					1				
TOTAL	.4	5.9	10.1	13.9	15.6	17.4	14.0	10.8	6.8	2.5	1.6	.4	.2	.1		.1		930	930	930					
																				930					
Element (X)	Σx'		Σx		Σ		Σx		No. Obs.		Mean No. of Hours with Temperature														
Rel Hum	3862175		58205		62.6		15.366		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb	5368707		70352		75.6		7.084		930						82.1		64.1		31.0		.1		93		
Wet Bulb	4151579		61911		66.6		5.692		930						52.6		13.5						93		
Dew Point	3532476		56882		61.2		7.580		930				.1		26.1		1.0						97		

PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

A11

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
100/ 99																	.0		1	1			
98/ 97												.0		.0				3	3				
96/ 95													.0					1	1				
94/ 93										.0	.0	.0	.0					9	9				
92/ 91										.1	.1	.1	.1					38	38				
90/ 89								.0	.5	.4	.2	.1		.1	.1	.0		97	97				
88/ 87						.1	.1	.4	.8	.4	.3	.1	.1	.1	.0	.0	.0	171	171				
86/ 85					.1	.4	.9	.9	.5	.3	.3	.0	.1	.1	.0	.0	.0	246	246				
84/ 83				.0	.3	1.2	.9	.9	.6	.2	.2	.1	.0					321	321				
82/ 81				.2	1.1	1.0	1.2	.7	.5	.2	.2	.1						390	390				
80/ 79			.1	.9	1.2	1.8	.6	.8	.3	.4	.2	.1						469	469	1			
78/ 77			.5	1.3	1.8	1.1	.8	.3	.4	.2	.1							526	526	37			
76/ 75		.1	1.9	1.9	1.4	.5	.6	.4	.4	.2	.0							570	570	196			
74/ 73		.8	2.7	2.4	1.3	.7	.6	.2	.2	.1	.0							661	661	584			
72/ 71	.1	1.6	3.4	1.6	.9	.5	.3	.4	.2	.0								678	678	779			
70/ 69	.1	1.9	3.6	1.2	.8	.4	.3	.2	.2	.0								651	651	956			
68/ 67	.2	1.8	3.1	1.0	.6	.4	.3	.2	.1	.0								573	573	935			
66/ 65	.3	2.7	2.6	1.0	.4	.2	.2	.1	.1	.0								567	567	816			
64/ 63	.1	2.7	1.6	.9	.3	.4	.1	.7	.0									458	458	797			
62/ 61	.0	2.1	1.1	.5	.4	.2	.7	.0										328	328	687			
60/ 59		1.1	.8	.4	.2	.1	.0											196	196	471			
58/ 57	.0	.8	.8	.6	.3	.1												188	188	344			
56/ 55		.4	.7	.3	.2													122	122	255			
54/ 53		.3	.4	.3	.0													76	76	211			
52/ 51	.0	.2	.3	.1														45	45	167			
50/ 49		.0	.3															27	27	103			
48/ 47		.1	.1															13	13	55			
46/ 45		.1	.7															13	13	29			
44/ 43		.0																1	1	15			
42/ 41		.0																1	1	2			
40/ 39																							
38/ 37																							
36/ 35																							
34/ 33																							
Element (X)	Σ X ²			Σ X			X̄			s _x			No. Obs.			Mean No. of Hours with Temperature							
Rel Hum																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

MAY
MONTH

ALL

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JLN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (1 - 5 - 9 -)

[illegible]

PSYCHROMETRIC SUMMARY

PAGE 1 JUL
MONTH
C300-0500
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				.8	.1		.1											9	9							
80/ 79			.7	2.7	1.9	.4												51	51							
75/ 77			4.0	5.7	1.1													97	97							
76/ 75		.1	9.0	5.8	.8	.2												135	135	19						
74/ 73	.2	2.7	9.4	4.2	.4													153	153	102	30					
72/ 71		3.8	7.3	1.9	.6	.4												126	126	176	166					
70/ 69	.1	3.8	4.7	1.3	.0	.1												98	98	183	165					
68/ 67	.7	1.8	4.4	1.4	.8													82	82	131	197					
66/ 65	.2	3.0	2.4	.7	.1	.4												62	62	81	107					
64/ 63		1.3	.6	.3	.8													27	27	72	80					
62/ 61		.2	.1	.7	.2													18	18	54	60					
60/ 59		.6	1.1	.6														20	20	13	41					
58/ 57		.6	1.2	.1														17	17	22	32					
56/ 55		.1	.4															5	5	28	27					
54/ 53																				10	19					
52/ 51																				1	1					
50/ 49																					27					
48/ 47																					2					
TOTAL	1.2	17.9	45.2	26.1	7.7	1.8	.1												900	900	900	900				

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5971736	72968	81.1	7.674	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4640359	64449	71.6	5.291	900			75.1	44.5	3.2		90
Wet Bulb	4140090	60874	67.6	5.026	900			61.1	12.1			90
Dew Point	3684616	58916	65.5	5.565	900			49.8	3.0			90

PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0830

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

132

0.51
MONTH

PAGE 1 C900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
106/105															.1			1	1								
104/103															.1	.1		2	2								
102/101												.1			.1			2	2								
100/99											.2	.7	.1	.3				12	12								
98/97											.7	.9	.1	.1				16	16								
96/95										1.2	1.7	.7	.2					34	34								
94/93									.9	2.8	1.4	.9						54	54								
92/91								.2	3.6	5.6	2.0	.2	.1					105	105								
90/89							.9	4.4	6.9	1.9	1.6	.3						144	144								
88/87						.2	4.0	7.1	2.2	1.8	.9	.2						148	148								
86/85				.2	1.7	3.6	2.4	2.7	1.6	.2	.1							112	112								
84/83				.7	1.4	1.1	1.9	1.7	.9	.4								73	73								
82/81					.6	.7	1.6	1.9	.8	.8	.3							55	55								
80/79				.3	1.1	.9	.4	.3	.7	.8								41	41	7							
78/77			.1		1.3	.6		.3	.2	.3	.4							30	30	63							
76/75			.4	.6	.6	.2	.1	.4	.3									24	24	228	1						
74/73			.3	.8		.2	.1	.2										15	15	236	16						
72/71		.3	.7		.1		.1											11	11	100	51						
70/69	.1	.4	.3	.2	.1													11	11	114	188						
68/67		.1	.2	.2														5	5	69	201						
66/65		.1		.1														2	2	29	122						
64/63																				26	90						
62/61			.3															3	3	12	72						
60/59																				13	51						
58/57																				3	31						
56/55																					24						
54/53																					11						
52/51																					16						
50/49																					10						
48/47																					3						
46/45																					4						
44/43																					2						
TOTAL	.1	1.0	2.4	2.0	4.9	5.4	11.9	19.3	19.9	17.6	9.9	4.1	.6	.4	.3	.1		900	900		900						
Element (X)	Σx ²		Σx		Σ		Σx		No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.	2371530		44938		49.9		11.5		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total				
Dry Bulb	6778264		77894		86.5		6.38		900						89.5		86.8		78.6		12.1		90				
Wet Bulb	4702392		64954		72.2		4.02		900						81.7		53.4						90				
Dew Point	3835511		58559		65.1		5.30		900						45.6		1.6						90				

PSYCHROMETRIC SUMMARY

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

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

22A
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

464

MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
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					
106/105															.0	.0	.0	4	4							
104/103														.0	.0	.1		9	9							
102/101												.0	.0		.1			10	10							
100/ 99											.0	.3	.2	.1				46	46							
98/ 97											.3	.4	.1	.0				66	66							
96/ 95										.3	.7	.2	.1					102	102							
94/ 95								.0	.3	.8	.9	.5	.0					184	184							
92/ 91							.0	.2	1.4	1.9	.8	.2	.1					326	326							
90/ 89						.0	.3	1.7	2.3	.9	.5	.2	.0					472	422							
88/ 87						.1	1.4	2.7	1.1	.7	.4	.1						466	466							
86/ 85					.1	1.4	1.0	1.4	1.0	.6	.2	.1	.0					474	474							
84/ 83				.1	.0	2.0	1.4	1.0	.6	.3	.2	.1						467	467							
82/ 81				.8	2.2	2.0	1.4	.8	.4	.3	.1							555	565							
80/ 79			.4	2.3	2.6	1.8	.6	.3	.3	.2	.0	.0						609	609	21						
78/ 77		.0	1.8	3.3	2.1	1.0	.4	.2	.2	.1	.1							670	671	219						
76/ 75		.2	3.0	3.0	1.5	.6	.3	.2	.2	.0								657	657	904	9					
74/ 73	.0	.9	3.7	2.3	.6	.5	.2	.1	.0									606	606	1562	206					
72/ 71	.0	1.4	2.9	1.1	.5	.3	.1	.1	.0									464	464	1242	712					
70/ 69	.1	1.3	2.3	.8	.6	.2	.1	.0										398	398	1112	1376					
68/ 67	.2	.7	1.6	.5	.3	.1	.0											242	242	800	1507					
66/ 65	.1	.8	.9	.4	.1	.2												177	177	447	982					
64/ 63		.3	.3	.2	.2	.0												77	77	368	704					
62/ 61		.1	.3	.2	.1													43	43	196	543					
60/ 59		.2	.4	.1	.0													52	52	117	350					
58/ 57		.2	.3	.0														39	39	96	237					
56/ 55		.1	.1															12	12	73	196					
54/ 53																				40	116					
52/ 51																				2	106					
50/ 49																					101					
48/ 47																					33					
46/ 45																					11					
44/ 43																					5					
42/ 41																					7					
Element (X)	Σ x'		Σ x		Σ		Σ n		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											≤ 0 F		- 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

PSYCHROMETRIC SUMMARY

69-70, 73-89

JLN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

ALL
MONTH

STATION	STATION NAME
---------	--------------

YEARS

MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

JUL
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

JUL
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

JUL

MONTH

0900-1100

HOURS (L - S - T)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 POBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

YEARS

JUL
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				
106/105															.1			1	1						
104/103																.1		1	1						
102/101														.4	.2		.1	7	7						
100/ 99												.2	.9	.9	.4	.2		24	24						
98/ 97											.1	1.3	3.3	1.4		.1		58	58						
96/ 95											3.2	5.2	1.2	.4	.1	.1		95	95						
94/ 93									.4	2.5	6.7	3.9	1.0	.2	.1			134	134						
92/ 91								.2	2.6	8.7	4.1	1.2	.1	.3				160	160						
90/ 89						.1	4.4	6.2	4.3	1.2	.3							154	154						
88/ 87						.1	2.8	5.7	3.1	.4	.2	.1						116	116						
86/ 85						1.6	2.3	1.6	.5	.1	.3							60	60						
84/ 83					.2	1.0	1.2	.5										36	36						
82/ 81			.1		1.4	1.3	.1		.1									28	28						
80/ 79				1.1	1.3	.1												23	23	1					
78/ 77			.1	.5	.4	.1		.1	.1									13	13	24	1				
76/ 75			.4	.2														6	6	271					
74/ 73		.3	.4	.1			.1											9	9	418					
72/ 71		.1	.1															2	2	146	48				
70/ 69																				47	155				
68/ 67			.2															2	2	10	197				
66/ 65		.1																1	1	11	200				
64/ 63																				2	165				
62/ 61																					61				
60/ 59																					46				
58/ 57																					23				
56/ 55																					10				
54/ 53																									
52/ 51																					7				
50/ 49																					7				
48/ 47																					1				
TOTAL		.5	1.4	1.9	3.3	5.2	6.6	12.6	13.1	11.6	15.5	12.2	6.5	3.7	1.0	.5	.1	930	930	930	930				
																		930		930					
Element (X)	Z _x	Z _y	Z _z	Z _w	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.	2067576	42300	45.5	12.433	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	7591419	83872	90.2	5.433	930			92.9	92.5	88.6	32.3	93													
Wet Bulb	5025133	68335	73.5	2.070	930			91.7	71.4			93													
Dew Point	4001863	60897	65.5	3.922	930			40.4	.4			93													

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 69-70,73-80

JUL
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													
106/105																	.2	2	2															
104/103																.2	.4	.2	.1	9														
102/101														.1	.8	.9	.6	.1	23	23														
100/ 99												.8	2.9	2.7	.5	.1		65	65															
98/ 97											.4	1.9	5.6	2.5	.4	.3	.1	105	105															
96/ 95										.3	1.6	7.5	3.1	1.8	.2	.1		137	137															
94/ 93										2.9	7.4	4.0	1.4	.4	.1			151	151															
92/ 91								.5	3.1	6.2	3.4	.8	.2					133	133															
90/ 89							.3	1.7	5.4	1.4	1.2	.1						94	94															
88/ 87							1.0	2.5	1.3	.6	.1	.2						53	53															
86/ 85						.2	2.3	.9	.1			.1						39	39															
84/ 83					.4	1.6	1.3	.2			.1							34	34															
82/ 81				.3	1.0	1.1	.1			.2								25	25															
80/ 79		.1	.5	1.3	.5					.1								24	24															
78/ 77			.5	.2														8	8	40														
76/ 75	.1	.9	.3															12	13	246														
74/ 73	.1	.3	.3															7	7	400														
72/ 71	.2	.5																7	7	164														
70/ 69		.1																1	1	59														
68/ 67																				13														
66/ 65																				3														
64/ 63																				4														
62/ 61																																		
60/ 59																																		
58/ 57																																		
56/ 55																																		
54/ 53																																		
52/ 51																																		
50/ 49																																		
48/ 47																																		
46/ 45																																		
TOTAL		.4	1.9	2.2	2.9	4.1	5.0	5.8	9.9	11.9	14.2	15.4	13.3	8.4	2.6	1.6	.3		930															
																		929		929														
Element (X)	Σ X ²				Σ X				X				Σ X				No. Obs.				Mean No. of Hours with Temperature													
Rel. Hum.	1853335				39285				42.3				13.637				929				≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	7680247				35414				91.8				6.187				930								93.0		92.2		88.2		49.2		93	
Wet Bulb	5015564				68232				73.4				2.114				929								92.3		68.7						93	
Dew Point	3689124				59974				64.6				4.324				929								33.4		.8						93	

USAFETAC FORM 4 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

U.L.
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				
106/105															.1			1	1						
104/103															.1			1	1						
102/101															.2			4	4						
100/ 99													.4	.4	.2	.2		12	12						
98/ 97											.9	1.3	.8	.4				37	37						
96/ 95										.4	4.2	2.5	.5	.1				72	72						
94/ 93									.8	4.1	3.3	.9	.2	.3	.1			90	90						
92/ 91								.6	4.9	5.2	1.0	.4	.1					114	114						
90/ 89								2.0	5.4	4.4	1.9	.6						134	134						
88/ 87							1.2	5.3	3.0	1.1	.6	.3	.1					108	108						
86/ 85						1.5	3.1	3.3	1.3	.5	.2							93	93						
84/ 83				.6	3.0	3.2	.6	.4	.1			.1						76	76						
82/ 81			.3	1.8	2.0	1.1				.1								55	55						
80/ 79		.1	1.4	1.7	1.3				.1									43	43						
78/ 77		.6	2.2	.5		.1	.1											33	33	3					
76/ 75		1.2	.2	.5	.1													19	19	142					
74/ 73	.5	1.4	.2															20	20	394					
72/ 71	.6	1.1	.2															18	18	255	61				
70/ 69																				88	131				
68/ 67																				32	169				
66/ 65																				12	188				
64/ 63																				3	151				
62/ 61																				1	107				
60/ 59																					45				
58/ 57																					20				
56/ 55																					24				
54/ 53																					15				
52/ 51																					4				
50/ 49																					7				
48/ 47																					1				
46/ 45																					3				
TOTAL		1.2	4.4	4.5	5.3	8.5	8.7	11.4	10.9	11.9	12.5	10.4	6.1	2.3	1.5	.3	.1		930		930				
																		930			930				
Element (X)	Σ x'	Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																	
Rel Hum.	2474633	45749		49.2	15.532	930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	7183307	81519		87.7	6.378	930				93.0	91.2	82.1	21.7	93											
Wet Bulb	4893163	67429		72.5	2.144	930				91.4	53.9			93											
Dew Point	3947267	60455		65.0	4.324	930				36.9	.8			93											

PSYCHROMETRIC SUMMARY

YEARS

MONTH

2100-2300

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

C3902 ROBERT GRAY AAF TX (FCRT 4000) 69-70,73-80

JUL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	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	.0			4	4			
104/103																.0	.0	.0		11	11			
102/101																.0	.2	.1	.0	34	34			
100/ 99														.1	.5	.5	.1	.1	.0	101	101			
98/ 97																.1	.1	.0	.0	204	204			
96/ 95															.1	.7	2.2	.9	.3	315	315			
94/ 93														.1	.8	2.4	1.4	.4	.1	394	394			
92/ 91														.1	.9	2.8	1.8	.4	.1	459	459			
90/ 89														.1	1.3	2.8	1.7	.7	.2	508	508			
88/ 87														.0	.9	2.8	1.9	.6	.2	489	489			
86/ 85																1.0	2.4	2.1	.8	488	488			
84/ 83																.9	2.7	2.2	1.3	528	528			
82/ 81																.0	.3	2.3	3.1	576	576			
80/ 79																.1	1.9	4.1	2.7	650	650			
78/ 77																.1	1.9	4.1	2.7	714	714	72	1	
76/ 75																.3	4.5	3.6	1.4	757	758	871		
74/ 73																2.1	4.4	1.7	.3	638	638	2355	56	
72/ 71																2.3	2.7	.6	.1	384	384	2157	688	
70/ 69																1.0	.6	.1	.1	133	133	1259	1717	
68/ 67																.2	.7	.3	.0	28	28	489	1763	
66/ 65																.1	.1	.0		15	15	135	1311	
64/ 63																.0				3	3	61	867	
62/ 61																						30	517	
60/ 59																						4	209	
58/ 57																							123	
56/ 55																							71	
54/ 53																							55	
52/ 51																							30	
50/ 49																							17	
48/ 47																							4	
46/ 45																							4	
TOTAL																								
	5.0	13.3	12.3	11.5	10.1	8.1	8.2	7.1	6.4	6.0	4.9	3.3	1.8	.6	.3	.1				7433	7434	7433		
Element (X)	Σ x'		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	29857423		450741		60.6		18.430		7433		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					744			
Dry Bulb	51476879		615805		82.8		7.917		7434				742.2	687.7	443.4	106.4					744			
Wet Bulb	38394455		533677		71.8		2.558		7433				721.0	330.2							744			
Dew Point	32883963		493567		56.4		3.848		7433				422.9	5.7							744			

USAFETAC FORM 0-26.5 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

AUC
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1 C000-C200

0000-0200

2000-0706
HOURS 11 5 11

[illegible]

PS CHROMETRIC SUMMARY

69-70, 73-80

AUG
MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

69-70, 73-85

ALG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM NO. A-10

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

AUC
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALC
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

49-70,73-80

ALG

STATION

5	LOCATION NAME
---	---------------

YEARS

MONTH

PAGE 1

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBFPT GRAY AAF TX (FORT HOOD) 69-70,73-80

STATION

STATION NAME

YEARS

AUG

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							
106/105																	.0	1	1									
104/103																	.0	8	8									
102/101												.0		.0	.2			16	16									
100/ 99											.0	.1	.2	.2	.1	.1		48	48									
98/ 97								.0	.0	.0	.1	.6	.8	.3	.0			140	140									
96/ 95							.0	.0	.0	.1	.9	1.7	.7	.2	.0	.0		272	272									
94/ 93							.0	.1	.1	.9	2.6	1.3	.3		.0			403	403									
92/ 91							.0	.1	.9	3.3	1.4	.4	.1	.1				466	466									
90/ 89							.3	1.1	2.9	1.6	.7	.2	.1	.0				507	507									
88/ 87					.3	.0	1.0	2.4	1.8	.6	.1	.1	.0					463	463									
86/ 85					.1	.0	2.1	2.3	.0	.4	.2	.1						500	500									
84/ 83				.0	.8	2.1	2.0	1.1	.4	.1	.1							486	486	5								
82/ 81				.3	2.0	2.8	1.9	.4	.1	.0								537	537	7								
80/ 79			.3	2.2	3.3	2.0	.9	.2	.1	.0								638	638	20	6							
78/ 77	.0	.1	1.7	4.2	2.8	.8	.3	.3		.0								752	752	120	7							
76/ 75	.0	.7	4.0	3.3	1.4	.3	.1	.0										738	738	870	22							
74/ 73	.0	1.7	3.6	2.9	.6	.1	.1	.0										664	664	2234	174							
72/ 71	.4	1.8	3.2	1.4	.2	.2	.0											511	511	1898	760							
70/ 69	.2	.8	1.6	.2	.1	.												220	220	1198	1436							
68/ 67	.1	.2	.3	.0	.0													46	46	685	1697							
66/ 65		.0	.1	.0														12	12	276	1476							
64/ 63			.0															1	1	80	875							
62/ 61		.0																2	2	33	429							
60/ 59																				4	268							
58/ 57																					137							
56/ 55																					71							
54/ 53																					26							
52/ 51																					17							
50/ 49																					10							
48/ 47																					0							
46/ 45																					1							
TOTAL	.7	5.1	11.4	8.1	4.6	1.4	9.4	8.0	7.9	7.2	7.0	6.1	4.5	2.0	.8	.5	.1	.0	7431		7431							
																		7431		7431								
Element (X)	ΣX²		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel Hum.	31698350		461830		62.11		7.958		7431		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total					
Dry Bulb	50488403		609753		82.1		7.825		7431						742.5		664.7		415.4		88.9		744					
Wet Bulb	36260745		532355		71.6		2.911		7431						704.7		326.1		2.3				744					
Dew Point	33010855		494441		66.5		3.881		7431						411.6		20.0		.2				744					

USAFETAC FORM 0-26.5 (OL A) JUL 68

PSYCHROMETRIC SUMMARY

SEP
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

68-70, 73-77

SEP
MONTH

PAGE 1 C300-050C
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1

C600-C800

0000-000
HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

SEP

MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
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				
98/ 97												.1	.2	.1				4	4					
96/ 95										.4	.3	.3	.7	.1	.1			18	18					
94/ 93								.1	.1	.2	.8	.6		.1				24	24					
92/ 91						.1	.2	.9	2.0	3.6	1.1	.1	.1					73	73					
90/ 89					.2	.3	.6	3.9	4.1	2.2	.6	.3		.1				113	113					
88/ 87					.1	.7	2.6	4.8	2.7	1.4	.7	.3						119	119					
86/ 85					.2	1.0	2.9	3.1	1.3	1.3	.6							94	94					
84/ 83				.1	.3	2.1	2.2	1.6	1.7	.8	.4	.3	.3					89	89					
82/ 81				.4	1.6	1.0	1.1	1.3	1.7	1.0	.6							80	80	4				
80/ 79			.1	1.0	.8	1.3	1.0	1.7	1.3	1.3	.2							79	79	9	2			
78/ 77			.2	.8	.7	.9	.9	.2	.6	.4	.4							46	46	40	4			
76/ 75			.8	.4	.1	.3		.7	.6	.8								33	33	145	10			
74/ 73		.3	.8	.9	.3		.3	.8	.2	.3								36	36	192	17			
72/ 71		.1	.4	.3	.1	.2	.3	.4	.1									19	19	126	73			
70/ 69		.4	1.1	.4		.3	.2	.2										25	25	82	122			
68/ 67		.4	.7	.2	.1	.2	.1											16	16	87	136			
66/ 65		.7			.1													7	7	52	119			
64/ 63		.3	.2	.3		.1												9	9	51	83			
62/ 61		.3	.3	.2	.1	.1												10	10	42	63			
60/ 59		.2	.2		.1													5	5	31	60			
58/ 57		.1																1	1	23	40			
56/ 55																				12	31			
54/ 53																				4	35			
52/ 51																					27			
50/ 49																					28			
48/ 47																					13			
46/ 45																					13			
44/ 43																					12			
42/ 41																					10			
TOTAL		3.0	4.9	5.2	4.9	8.8	12.6	19.7	16.4	14.4	6.1	2.1	1.3	.4	.1			900		900				
																		900		900				
Element (X)	Σx ²		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	2713862		47556		52.8		14.953		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	6254240		74716		83.0		7.568		900						86.8		80.8		65.9		4.6		90	
Wet Bulb	4442654		63036		70.0		5.542		900						68.5		39.0		.7				90	
Dew Point	3633701		56789		63.1		7.486		900						36.6		3.3						90	

PSYCHROMETRIC SUMMARY

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

SEP

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							
102/101															.1			1	1									
100/ 99														.1	.1			2	2									
98/ 97											.4	.1	.4	.2				11	11									
96/ 95										.2	.3	1.1	1.2	.3	.2	.1		32	32									
94/ 93							.1	.2	.4	.8	1.7	1.4	.1					43	43									
92/ 91					.2	.3	.1	.3	1.7	4.8	1.2	.6						83	83									
90/ 89					.6	.2	.2	1.9	4.8	3.2	1.9	.8	.1	.1				122	122									
88/ 87				.1	.1	1.1	2.8	1.8	1.3	1.7	.7		.2					88	88									
86/ 85						1.1	1.6	2.3	2.0	1.9	1.1	.3	.4					97	97									
84/ 83				.1	.6	1.6	2.0	2.6	1.6	.7	1.9	.6	.4					167	167	2								
82/ 81				.1	.9	1.3	.7	.8	.7	1.2	.7	.3						60	60	5	1							
80/ 79			.2	.9	1.4	.8	.4	1.2	.7	1.1	.8	.1						69	69	10	3							
78/ 77			.4	1.0	1.2	.2	.4	.1	.9	.7	.6							50	50	19	5							
76/ 75		.3	.3	1.0	.3	.1	.2	.6	.7	.4								36	36	112	7							
74/ 73		.4	.6	.2	.3	.1	.1	.3	.3	.2								24	24	208	10							
72/ 71		.2	.9	.3	.3	.1	.3	.1	.2									23	23	134	46							
70/ 69			1.0	.3		.1		.1										14	14	107	96							
68/ 67		.4	.4	.1														9	9	88	143							
66/ 65		.6	.4				.1											10	10	58	118							
64/ 63		.1	.1			.1	.1											4	4	49	82							
62/ 61		.3	.3	.3														9	9	50	78							
60/ 59		.3	.1	.2														6	6	32	77							
58/ 57																				15	39							
56/ 55																				7	39							
54/ 53																				4	32							
52/ 51																					31							
50/ 49																					29							
48/ 47																					16							
46/ 45																					21							
44/ 43																					11							
42/ 41																					13							
40/ 39																					1							
TOTAL		2.8	4.9	4.7	5.4	6.6	7.6	13.3	15.7	16.6	12.2	6.0	2.8	1.0	.4	.1		900	900	900	900							
Element (X)	Σx'				Σx				Σ		Σ ₂		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	2476319				44895				49.9		16.230		900		≤ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	6415618				75680				84.1		7.589		900						87.1		82.5		69.4		8.9		90	
Wet Bulb	4419517				62891				69.9		5.248		900						68.5		35.6		1.1				90	
Dew Point	3527430				55922				62.1		7.655		900						31.1		2.6		.2				90	

PSYCHROMETRIC SUMMARY

SEP
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGF 1

2100-2300

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

ALL

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					
102/101															.0			1	1						
150/ 99															.0			2	2						
98/ 97											.1	.0	.1	.1				16	16						
96/ 95										.1	.1	.2	.3	.1	.0	.0		53	53						
94/ 93								.0	.0	.1	.2	.3	.3	.0	.0			73	73						
92/ 91					.0	.1	.1	.2	.5	1.2	.4	.1	.0					179	179						
90/ 89					.0	.1	.1	.1	.9	1.4	.8	.4	.2	.0				287	287						
88/ 87				.0	.1	.1	.7	1.4	.9	.4	.3	.1		.0				304	304						
86/ 85					.1	.9	1.3	1.2	.7	.5	.2	.1	.1					362	362						
84/ 83			.0	.1	.5	1.4	1.2	.9	.6	.3	.3	.1	.1					402	402	2					
82/ 81		.1	.4	1.7	1.3	.9	.6	.5	.3	.3	.1							433	433	12					
80/ 79		.4	1.8	1.7	1.1	.6	.7	.3	.4	.2	.0							518	518	25					
78/ 77	.0	.2	1.9	2.7	1.8	.7	.7	.3	.4	.2	.2							617	617	92					
76/ 75		.7	3.6	2.4	1.3	.6	.4	.4	.3	.3								720	720	471					
74/ 73	.0	2.2	3.6	2.3	.6	.6	.4	.3	.2	.1								745	745	1178					
72/ 71	.0	2.1	2.8	1.2	.5	.3	.3	.3	.1									546	546	1165					
70/ 69	.0	1.4	2.6	.9	.8	.5	.2	.3	.0									484	484	981					
68/ 67	.1	1.3	1.9	.7	.6	.3	.2	.1										368	368	736					
66/ 65		1.1	1.3	1.1	.4	.2	.1											312	312	557					
64/ 63		.9	.9	.7	.3	.1	.1											212	212	479					
62/ 61		.9	.9	.6	.4	.1	.0											216	216	423					
60/ 59	.0	.5	.8	.5	.3													152	152	364					
58/ 57	.0	.2	.6	.2	.2													87	87	261					
56/ 55	.0	.1	.4	.2	.0													57	57	176					
54/ 53		.0	.2	.1														23	23	153					
52/ 51		.0	.2	.1														18	18	57					
50/ 49			.2															11	11	35					
48/ 47		.0																2	2	24					
46/ 45																				9					
44/ 43																				71					
42/ 41																				54					
40/ 39																				3					
TOTAL	.2	11.6	22.3	15.9	11.2	8.5	7.3	7.4	6.1	4.7	2.7	1.2	.6	.2	.1	.0		7200	7200	7200					
Element (X)	Σx²		Σx		X		Σx		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum	35052333		486273		67.5		17.523		7200		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb	41831134		545100		75.7		8.840		7200						611.0		471.2		236.4		14.5		720		
Wet Bulb	33249827		487239		67.7		6.207		7200						466.2		178.0		2.5				720		
Dew Point	29116799		454719		63.2		7.443		7200						306.2		21.2		.2				720		

PSYCHROMETRIC SUMMARY

CC 1

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
82/ 81					.1	.1												2	2					
80/ 79				.1	.3	.1	.1											6	6					
78/ 77			.6	.4	.3		.2											15	15					
76/ 75		.2	1.0	.9	.3	.2												24	24					
74/ 73		.2	2.4	2.0	.2		.2	.1										48	48	1	3			
72/ 71		.2	3.1	3.1	.4	.2	.3	.2										71	71	30	11			
70/ 69		1.0	5.1	1.4	.9	.3	.3	.4										87	87	31	28			
68/ 67		1.1	2.5	1.1	1.2	.9	1.0	.8	.2									80	80	91	45			
66/ 65		2.6	2.4	2.7	1.5	.5	1.1	.3										103	103	55	63			
64/ 63	.1	3.3	1.5	1.3	1.2	1.0	.1											79	79	89	71			
62/ 61		2.9	.8	1.2	1.4	1.0	.2	.4										73	73	62	73			
60/ 59		1.5	1.9	.6	1.2	.5	.1	.2										57	57	84	60			
58/ 57		1.7	1.4	.9	.9	.6	.3	.2										56	56	62	55			
56/ 55		.9	1.4	1.2	1.0	.5	.2											42	42	66	55			
54/ 53	.1	.8	1.2	.8	1.0	.5	.4											44	44	73	52			
52/ 51	.2	.4	1.2	.1	.4	.3												29	29	48	40			
50/ 49		.9	1.9	.6	.4	1.1												46	46	45	42			
48/ 47		.5	.9	1.0	.1													23	23	46	49			
46/ 45		.9	1.1	.2	.1													21	21	41	50			
44/ 43		.8	.9															15	15	41	62			
42/ 41		.2																2	2	32	27			
40/ 39		.1																1	1	15	41			
38/ 37																				2	25			
36/ 35																					19			
34/ 33																					14			
32/ 31																					6			
30/ 29																					24			
28/ 27																					2			
26/ 25																					2			
TOTAL	.4	20.1	31.1	19.6	12.9	8.4	4.6	2.7	.2										930	930	930			
																		930		930				
Element (X)	Σx'		Σx		Σ		Σ _s		No. Obs.		Mean No. of Hours with Temperature													
Rel Hum.	5161467		67836		72.9		15.155		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	3703218		58160		62.5		8.431		930						33.3		0.5		.3				93	
Wet Bulb	3136029		53403		57.4		8.649		930						16.9		1.7						93	
Dew Point	2742105		49499		53.2		10.759		930				3.6		8.7		.3						93	

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

OCT

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			
80/ 79					.3														3	3				
78/ 77			.1	.2	.1														4	4				
76/ 75		.2	.4	.8		.3	.1												17	17				
74/ 73		1.0	1.8	.6	.3	.1													36	36	6	1		
72/ 71		1.3	4.1	.5	.4	.3													62	62	21	10		
70/ 69		2.8	2.8	.4	.4	.2	.1	.1											64	64	46	22		
68/ 67		3.7	1.7	.5	.9	.2	.3												68	68	84	64		
66/ 65		5.4	2.2	1.3	.4	.4	.1	.1											92	92	62	75		
64/ 63		4.4	1.7	1.1	.6	1.2	.2	.2											88	88	80	68		
62/ 61		2.8	1.7	1.4	1.7	.3	.1												75	75	61	63		
60/ 59		3.0	1.3	.8	1.3	.4	.2	.1											66	66	64	45		
58/ 57		1.9	1.9	.9	1.2	.2	.3	.1											61	61	59	69		
56/ 55		1.7	1.5	1.1	1.0	.6	.2												57	57	64	44		
54/ 53		1.6	1.4	1.6	1.3	.2	.3												60	60	69	53		
52/ 51		1.3	1.7	1.0	.4	.2													43	43	52	45		
50/ 49		.6	2.3	.5	.9	.2													42	42	47	50		
48/ 47		1.3	.6	.6	.9														32	32	71	45		
46/ 45		1.2	.9	1.0	.1														29	29	41	45		
44/ 43		1.0	.6	.3															18	18	32	64		
42/ 41		.4	.1	.2															7	7	38	32		
40/ 39	.1		.3																4	4	23	33		
38/ 37		.1																	1	1	6	37		
36/ 35		.1																	1	1	3	16		
34/ 33																					1	20		
32/ 31																						19		
30/ 29																						10		
28/ 27																						3		
26/ 25																						3		
TOTAL	.135	.829	.214	.012	.3	5.1	2.0	.6											930	930	930	930		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FO-1 HOOD) 06-7E, 73-79

OCT

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									
90/ 87																					.2						4	4									
88/ 85																					.2						5	5									
86/ 83																					.1						14	14									
82/ 81						.2	.3	1.5	.9	.9	.4									.1							38	38									
80/ 79				.1	.3	1.6	1.0	1.0	.6	.2	.7	.1	.1														58	58									
78/ 77																											67	67									
76/ 75						.6	2.0	1.7	.5	.6	1	.2	.6	.1													81	81									
74/ 73			.3	1.7	2.0	1.1	.9					.5	.1	.2	.1												78	78	24								
72/ 71			.5	1.7	1.6	.8	.9	.8	.8	.8	.3				.2												74	74	64	15							
70/ 69			1.1	1.5	1.5	1.2	1.3	.5	1.0	.9	.1																84	84	92	25							
68/ 67			1.0	1.7	.8	1.2	1.0	.5	.9	.5	.2	.1															80	80	96	81							
66/ 65			2.6	1.4	1.3	.6	.8	1.4	.5	.3	.2																96	86	80	79							
64/ 63	.1	1.0	.8	1.2	.9	1.0	.4	.4	.4	.1																	61	61	78	86							
62/ 61		.6	.6	.4	.8	.9	.8	1.0	.1																		48	48	72	87							
60/ 59		.1	.6	.2	1.0	.6	.3	.2	.1																		30	30	71	48							
58/ 57		.1		.4	.7	.5	.4																				23	23	54	36							
56/ 55		.3	.9	.9	.8	.4	.2																				32	32	46	53							
54/ 53		.2	.1	.6	.4	.3	.1																				17	17	61	53							
52/ 51		.4	.8	.1	.3																						15	15	44	37							
50/ 49		.9	.1	.3	.1																						13	13	44	34							
48/ 47		.3		.3																							6	6	48	38							
46/ 45		1.0	.2																								11	11	25	49							
44/ 43	.1	.1																									2	2	15	48							
42/ 41																													5	41							
40/ 39																														32							
38/ 37																														25							
36/ 35																														16							
34/ 33																														13							
32/ 31																														15							
30/ 29																														5							
28/ 27																														4							
26/ 25																														3							
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.																≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F							Total														
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC: FOR 84

PSYCHROMETRIC SUMMARY

OCT

MONTH

0900-1100

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902

ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-79

OCT

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															
102/101																	.1	1	1																
98/ 97																		1	1	1															
96/ 95																	.1	1	1	1															
94/ 93																	.1	2	2																
92/ 91																		6	6																
90/ 89																		18	18																
88/ 87																	.1	31	31	31															
86/ 85																		64	64																
84/ 83																		79	79																
82/ 81																		85	85																
80/ 79																		83	83																
78/ 77																		90	90	1															
76/ 75																		74	74	5	1														
74/ 73																		64	64	53	1														
72/ 71																		72	72	79	4														
70/ 69																		56	56	98	17														
68/ 67																		43	43	113	60														
66/ 65																		42	42	83	86														
64/ 63																		26	26	85	73														
62/ 61																		22	22	66	81														
60/ 59																		17	17	56	69														
58/ 57																		12	12	47	55														
56/ 55																		12	12	53	42														
54/ 53																		6	6	43	42														
52/ 51																		5	5	42	53														
50/ 49																		4	4	42	49														
48/ 47																		3	3	20	39														
46/ 45																		11	11	17	52														
44/ 43																				4	34														
42/ 41																					40														
40/ 39																						37													
38/ 37																							31												
36/ 35																								14											
34/ 33																									6										
Element (X)	ΣX^2			ΣX			$\bar{X}$			σ^2			No. Obs.			Mean No. of Hours with Temperature							Total												
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	> 73 F	≥ 80 F	≥ 93 F														
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

OCT

MONTH

1200-1400

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-79

CC7
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						
102/101																	.1	1	1								
98/ 97														.1				1	1								
96/ 95												.1						1	1								
94/ 93											.2	.1	.1	.5	.1			10	10								
92/ 91											.1	.4			.2			7	7								
90/ 89									.5	.9	.9		.2	.2	.3			28	28								
88/ 87								.6	.9	1.9	.6	.1	.1	.3	.1			44	44								
86/ 85						.3	.6	2.4	2.0	1.6	1.3	.3	.4	.1				85	85								
84/ 83					.3	.4	1.5	.9	1.4	.9	1.5	.6	.4					74	74								
82/ 81					.1	1.0	2.4	.9	2.5	.9	1.6	.6	.4					97	97								
80/ 79				.3	.4	1.5	.8	1.9	.6	1.7	1.4	.4	.1	.3				89	89								
78/ 77				.1	.8	1.5	1.3	.8	1.0	1.2	1.5	1.4	.4	.1				93	93								
76/ 75			.1	.2	1.0	.9	1.2	.2	1.6	.6	1.1	.2						66	66	9							
74/ 73			.1	.5	.3	1.3	1.9	.2	.4	.8	.4	.6						62	62	47							
72/ 71			.5	1.0	.6	.4	.2	.8	.3	.9	.8	.5						56	56	70	6						
70/ 69		.4	.8	.6	.3	.1	.5	.8	.5	1.0	.3	.1						51	51	110	14						
68/ 67		.3	.3	.2		.4	.4	.3	.3	.5	.3							30	30	85	44						
66/ 65		1.0	.5	.2	.2	1.0	.2	.2	.4	.4								39	39	116	73						
64/ 63		.4	.3		.1	.2	.3	.3	.3									19	19	86	74						
62/ 61		.3		.9	.4	.1	.9	.3	.1									28	28	90	70						
60/ 59		.1	.1		.1	.2	.1											6	6	52	75						
58/ 57			.2		.5	.3												10	10	50	76						
56/ 55		.1		.2	.3													6	6	63	47						
54/ 53		.3	.1	.1														5	5	40	38						
52/ 51		.6	.1															7	7	41	34						
50/ 49		.6																6	6	39	45						
48/ 47		.2																2	2	24	76						
46/ 45		.8																7	7	4	44						
44/ 43																				4	31						
42/ 41																					30						
40/ 39																					39						
38/ 37																					31						
36/ 35																					20						
34/ 33																					20						
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum																											
Dry Bulb																											
Wet Bulb																											
Dew Point																											

PSYCHROMETRIC SUMMARY

OCT

STATION

STATION NAME

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

[illegible]

FORM 0-26.5 (QLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

CCT
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PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

OCT
MONTH

PAGE 2

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

GCT

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-79

CCT
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			
102/101																	.0	2	2					
98/ 97														.0			.0	2	2					
96/ 95														.0			.0	2	2					
94/ 93										.0	.0	.0	.0	.1	.0			12	12					
92/ 91										.0	.0	.1	.0		.0			15	15					
90/ 89								.0	.1	.1	.2	.0	.0	.0	.1			48	48					
88/ 87								.2	.3	.4	.1	.0	.0	.1	.0			81	81					
86/ 85						.0	.3	.4	.5	.4	.3	.1	.1	.0				171	171					
84/ 83					.1	.2	.6	.5	.5	.2	.3	.2	.1					199	189					
82/ 81			.1	.0	.1	.7	.8	.5	.6	.3	.3	.2	.1					267	267					
80/ 79			.0	.2	.6	.8	.6	.7	.3	.4	.4	.1	.0	.1				302	302					
78/ 77			.2	.5	.8	.9	.7	.4	.4	.4	.3	.3	.1	.0				378	378	1				
76/ 75		.1	.6	.9	1.0	.8	.4	.4	.4	.3	.3	.0	.0					402	402	20	2			
74/ 73		.3	1.0	1.4	.8	.8	.8	.3	.4	.3	.2	.1						480	480	183	8			
72/ 71		.4	2.1	1.5	.8	.7	.3	.4	.4	.3	.2	.1						552	552	349	75			
70/ 69		1.1	2.1	1.1	.9	.6	.5	.6	.4	.2	.1	.0						570	570	513	159			
68/ 67		1.6	1.7	.7	.8	.6	.7	.4	.3	.2	.1							532	532	730	420			
66/ 65		2.5	1.6	1.3	.6	.8	.7	.4	.3	.1								619	619	639	568			
64/ 63	.0	2.2	1.0	1.0	.8	.8	.4	.3	.2	.0								503	503	694	587			
62/ 61		1.6	.8	.9	.9	.7	.5	.3	.1									433	433	597	621			
60/ 59		1.1	1.0	.6	.8	.6	.3	.2	.0									338	338	541	466			
58/ 57		.8	1.0	.6	.8	.4	.3	.1										297	297	471	481			
56/ 55		.7	.9	.6	.8	.5	.2											276	276	492	419			
54/ 53	.1	.7	.7	.7	.5	.3	.2											237	237	479	359			
52/ 51	.0	.6	1.0	.4	.3	.2	.0											193	193	372	363			
50/ 49		.6	1.0	.4	.3	.2												192	192	355	365			
48/ 47		.5	.4	.4	.3													124	124	366	388			
46/ 45	.0	.9	.5	.2	.1													132	132	228	396			
44/ 43	.0	.4	.3	.1	.0													60	60	180	394			
42/ 41		.2	.0	.0														17	17	145	273			
40/ 39	.0	.0	.0															7	7	62	294			
38/ 37		.0																3	3	14	244			
36/ 35		.0																1	1	5	142			
34/ 33																				1	109			
Element (X)	Σ X ¹				Σ X				Σ				Σ				Σ				Mean No. of Hours with Temperature			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

 OCT
A 2MTM

PAGE 2

ALL
HOURS 11-5-7

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

YEARS

NOV

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				.2														2	2				
74/ 73		.1	.6	.3														9	9				
72/ 71		.1	1.3	.3														16	16	3			
70/ 69		.3	3.1	.2														33	33	9	3		
68/ 67		.6	2.4		.1	.2	.1											31	31	25	12		
66/ 65		.9	1.6	.6	.3	.2	.1											33	33	31	29		
64/ 63		2.1	1.9	.4			.1		.1									41	41	32	26		
62/ 61		3.2	1.9	1.0	.6	.4	.1	.1										66	66	35	33		
60/ 59	.1	.8	1.9	.8	.7	.2	.2	.1	.2									45	45	54	42		
58/ 57		2.7	1.9	1.3	1.3	.2	.2	.4										71	71	38	35		
56/ 55		1.2	1.9	.9	.8	.2	.1	.1										47	47	49	42		
54/ 53	.3	1.2	1.1	.9	.7	.4	.2											44	44	45	37		
52/ 51	.2	1.7	2.0	.4	.8	.4												50	50	62	43		
50/ 49	.1	2.7	2.0	1.2	1.1	.4	.1											69	69	45	43		
48/ 47		2.7	1.2	1.8	1.7	.4												70	70	49	42		
46/ 45		1.3	2.3	1.3	1.6	.2												61	61	62	47		
44/ 43		.9	2.6	.1	.4	.3												44	44	63	55		
42/ 41		.8	1.2	.8	.9	.4												37	37	53	29		
40/ 39	.1	1.1	2.1	1.3	.3	.4												49	49	60	33		
38/ 37		1.1	.9	.9	.1	.2												29	29	57	46		
36/ 35		.7	.1	.3														10	10	29	47		
34/ 33		.7	.7	.2														14	14	35	44		
32/ 31		.3	.6	.6	.1													14	14	21	45		
30/ 29			.1	.6	.1													7	7	15	33		
28/ 27			.2															2	2	8	34		
26/ 25			.4	.1														5	5	7	15		
24/ 23			.1															1	1	7	27		
22/ 21																				5	9		
20/ 19																				1	10		
18/ 17																					8		
16/ 15																					3		
14/ 13																					9		
12/ 11																					7		
10/ 9																					7		
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 7 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
8/ 7																														6		
6/ 5																														3		
TOTAL	1.235	.832	.916	.9	3.0	4.1	.2	.4	.4																							
																			900		900									900		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

C3902 ROBERT GRAY AAF TX (FORT HOOD)

66-70, 73-79

NCV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
74/ 73			.1	.2														3	3					
72/ 71			.7	.2														8	8					
70/ 69		.8	1.6															21	21	3				
68/ 67		.9	1.6	.2														24	24	19	7			
66/ 65		1.3	1.8	.1														29	29	27	23			
64/ 63	.1	1.9	1.0	.2	.4													33	33	29	24			
62/ 61		3.2	1.0	.4	.4	.1												47	47	32	28			
60/ 59		2.8	1.9	.8		.1												50	50	37	42			
58/ 57		2.7	1.3	.9	.3		.1		.1									49	49	45	36			
56/ 55		2.2	.9	1.2	.4	.1												44	44	39	23			
54/ 53		3.9	1.1	1.2	.4	.2	.1											63	63	49	43			
52/ 51	.1	2.9	2.1	.7	.8	.6	.7	.1										71	71	52	46			
50/ 49	.2	2.1	1.4	.7	.4	.3	.1											48	48	56	51			
48/ 47		2.4	.9	1.6	.9	.4												56	57	46	45			
46/ 45		2.2	2.2	.9	.2	.1												51	51	49	42			
44/ 43		2.2	2.2	2.2	.6													65	65	49	43			
42/ 41		2.8	2.2	.9	.3	.6												61	61	64	34			
40/ 39		1.3	2.3	1.4	.2	.1												49	49	70	34			
38/ 37		.9	1.4	1.2	.1													33	33	56	51			
36/ 35		.9	1.7	.3	.3	.1												30	30	38	53			
34/ 33		1.1	1.0	.7	.2													27	27	40	35			
32/ 31		.7	.3	.7														15	15	36	50			
30/ 29		.1	.3	.2														6	6	23	47			
28/ 27		.1	.4	.1														6	6	9	27			
26/ 25		.2	.2	.2														6	6	11	30			
24/ 23			.3															3	3	7	17			
22/ 21			.1															1	1	6	20			
20/ 19																				3	5			
18/ 17																					18			
16/ 15																					3			
14/ 13																					7			
12/ 11																					4			
10/ 9																					5			
8/ 7																					3			
Element (X)	Σ X'		Σ X		X̄		σ _A		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

3902
STATIC

ROBERT GRAY AAF TX (FORT HOOD)
STATION NAME

68-70, 73-79

YEARS

NOV

MONTH

PAGE 2

0600-0800

HOURS (L, S, T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

FORM 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

68-70,73-79

NOV

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				
80/ 79					.2													2	2						
78/ 77				.1	.3	.4	.1	.2										11	11						
76/ 75				.4	.9	.3		.1	.1									17	17						
74/ 73		.1	.1	1.3	.9	.4	.1	.2										29	29						
72/ 71			1.7	1.0	.8	.6		.4	.3									44	44	5					
70/ 69		.2	.8	.9	1.4	.3	.6		.1		.1							40	40	16	3				
68/ 67		.3	1.9	.7	1.0	.4	.7	.1	.1	.1	.1							49	49	41	12				
66/ 65		1.1	.9	1.4	1.2	.4	.6	.3	.3	.4								61	61	29	26				
64/ 63		1.7	.9	1.6	.9	.3	.4	.8	.2	.2								63	63	54	31				
62/ 61		1.0	.8	1.2	.9	.9	.8	.6	.3									58	58	47	51				
60/ 59		1.1	.6	.8	1.3	.9	1.3	.4	.1	.1								59	59	50	36				
58/ 57	.1	.6	.8	1.1	.9	1.7	1.1	.6	.1									56	56	53	37				
56/ 55		.8	1.6	1.3	1.2	.9	.8	.2	.1	.1								61	61	41	49				
54/ 53		1.7	1.1	1.3	1.7	.4	.8	.6	.2									70	70	51	30				
52/ 51		1.2	1.6	.4	.7	1.4	.8	.2										57	57	56	39				
50/ 49		.7	.4	1.7	1.0	1.3	.2											42	42	76	43				
48/ 47	.1	.3	.1	1.0	1.3	.3	.4	.2										35	35	73	53				
46/ 45		.9	.8	1.0	.6	.4	.1											34	34	47	43				
44/ 43		1.1	.3	.7	.4	.7												29	29	41	33				
42/ 41		1.0	.4	.3	.3	.4												23	23	56	29				
40/ 39		.4	1.0	.2	.3	.3												21	21	54	47				
38/ 37		.1	.6	.3	.3	.2												14	14	29	46				
36/ 35		.2				.3												7	7	26	41				
34/ 33		.6	.2	.4	.1													12	12	17	36				
32/ 31		.1		.1														2	2	15	44				
30/ 29				.1														1	1	9	32				
28/ 27			.2															2	2	9	32				
26/ 25			.1															1	1	2	26				
24/ 23																				3	13				
22/ 21																					11				
20/ 19																					3				
18/ 17																					13				
16/ 15																					7				
14/ 13																					11				
Element (X)	Σ X'			Σ X			X		X _n		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

PSYCHROMETRIC SUMMARY

YEARS

NCV
MONTH

PAGE 2

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1290-1400

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			
86/ 85								.1		.2		.2						5	5					
84/ 83							.1	.2	.1									4	4					
82/ 81						.7	.8	.7	.6	.1	.2	.1						25	25					
80/ 79				.3	.3	1.7	.6	.8	.3	.3	.1							40	40					
78/ 77				.1	.7	1.6	1.2	.8	.7	.2	.3	.1	.1	.2	.1			55	55					
76/ 75			.1		.6	.9	.9	1.1	.7		.2							40	40	1				
74/ 73				.0	1.1	1.2	1.3	.2	.3	.9	.1	.1						55	55	5	1			
72/ 71			.1	.6	.9	1.1	1.1	.9	.8	.3	.4	.2						58	58	11	3			
70/ 69		.4	.6	.9	1.2	1.3	.7	.8	1.1	.7	1.1	.1						77	77	33	2			
68/ 67		.2	.3	.8	.9	.6	.6	.8	1.1	.6	.9							59	59	50	10			
66/ 65		.2	.1	.9	.4	.9	.9	1.0	.8	.9	.1							54	54	52	25			
64/ 63		.2	.2	.7	.2	1.1	.8	1.4	1.1	.3	.1							56	57	61	35			
62/ 61		.7	.2	.7	1.0	.8	.7	.6	.7	.7	.1							54	54	57	36			
60/ 59		.2	.6	.3	.6	1.1	.4	.8	.8	.4								47	47	51	45			
58/ 57		.1	.4	.3	.9	1.0	.6	.8	.3	.1								41	41	38	59			
56/ 55		.8	.2		.1	.7	1.0	.8	.7	.1								39	39	51	31			
54/ 53	.2	1.1	.4		.2	.2	.7	1.0										35	35	75	51			
52/ 51		.3	.2		.6	.7	.4	.7	.1									27	27	65	41			
50/ 49		.2	.9	1.0	.7	.6	.3	.2	.1									36	36	63	36			
48/ 47		.1		.2	.3	.9	.2	.2										11	11	55	31			
46/ 45		.7		.2		.1	.3	.1										13	13	30	44			
44/ 43		.9	.5	.3		.3	.7											25	25	58	30			
42/ 41		.7	.2	.1	.1		.2											12	12	49	38			
40/ 39		.3	.3		.2	.7	.1											12	12	28	47			
38/ 37		.4	.4															8	8	18	38			
36/ 35		.2	.1															3	3	11	36			
34/ 33		.4	.1															5	5	15	33			
32/ 31					.2													2	2	15	34			
30/ 29				.1														1	1	4	33			
28/ 27																					35			
26/ 25																				1	23			
24/ 23																				2	17			
22/ 21																					17			
20/ 19																					15			
Element (X)	ΣX²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

PSYCHROMETRIC SUMMARY

NOV
MONTH

STATION

STATION NAME

YEARS

MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

NCV
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

NGV

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV

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			
80/ 79								.1										1	1					
78/ 77					.2	.2	.2											6	6					
76/ 75			.1	.2	.7	.4	.4	.3	.1									21	21					
74/ 73		.1	.3	1.4	.8	.7	.2	.2	.1	.1		.1						37	37					
72/ 71		.7	1.0	1.0	1.2	.9	.2	.1										46	46	4	1			
70/ 69			.9	1.1	1.4	1.0	.3		.1									44	44	18	5			
68/ 67		.1	1.7	1.2	1.0	.6	.3	.1	.1	.1	.1							48	48	28	14			
66/ 65		.4	.8	1.6	1.0	.2	.4	.4	.4	.4								52	52	35	12			
64/ 63		.1	.7	.9	.8	.4	.4	.1	.4	.2								37	37	55	30			
62/ 61	.3	.7	1.0	1.4	1.8	.9	.9	.3	.2									68	68	50	37			
60/ 59		.9	1.6	1.1	1.4	1.4	.3	.8	.1									69	69	42	32			
58/ 57		.6	1.6	.8	1.3	1.8	.7	.4	.1									65	65	44	53			
56/ 55		1.0	.8	.9	1.7	.8	1.0		.1									56	56	50	45			
54/ 53	.3	.6	1.1	1.7	1.4	1.1	.7	.1										63	63	57	48			
52/ 51		.7	.4	.6	1.7	.9	.4	.1										43	43	56	46			
50/ 49		1.1	1.3	1.7	.9	1.6	.1											59	59	73	39			
48/ 47		.4	.8	.7	.8	.8	.4											35	35	69	32			
46/ 45		.2	1.0	.7	.7	.8	.2											32	32	61	50			
44/ 43		.3	.7	.3	.8	.6	.2											26	26	54	33			
42/ 41		.9	.9	.4	.2	.2	.2											25	25	45	45			
40/ 39		.8	.4	.3	.7	.4												24	24	39	48			
38/ 37		.4		.1	.1	.3												11	11	35	60			
36/ 35		.2	.3	.2	.1	.1												9	9	20	32			
34/ 33		.8	.4	.2	.2													15	15	19	32			
32/ 31				.2	.2													4	4	18	41			
30/ 29			.2															2	2	14	33			
28/ 27				.1														1	1	5	30			
26/ 25		.1																1	1	5	24			
24/ 23																				4	11			
22/ 21																					15			
20/ 19																					16			
18/ 17																					10			
16/ 15																					7			
14/ 13																					1			
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

PSYCHROMETRIC SUMMARY

YEARS

NOV

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

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

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

[illegible]

PSYCHROMETRIC SUMMARY

NCV

STATION

STATION NAME

YEARS

NOV
MORTU

PAGE 2

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

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD) 66-70,73-79

NOV
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/ 87																		1	1											
86/ 85																		10	10											
84/ 83																		15	15											
82/ 81																		56	56											
80/ 79																		83	83											
78/ 77																		123	123											
76/ 75																		146	146	1										
74/ 73																		205	205	11	1									
72/ 71																		266	266	35	8									
70/ 69																		354	354	139	24									
68/ 67																		339	339	252	38									
66/ 65																		345	345	285	162									
64/ 63																		362	363	367	223									
62/ 61																		472	472	351	255									
60/ 59																		408	408	354	321									
58/ 57																		407	407	352	341									
56/ 55																		401	401	324	327									
54/ 53																		426	426	471	325									
52/ 51																		398	398	425	352									
50/ 49																		414	414	495	337									
48/ 47																		331	332	464	301									
46/ 45																		319	319	407	371									
44/ 43																		291	291	444	303									
42/ 41																		268	268	414	299									
40/ 39																		241	241	365	334									
38/ 37																		153	153	318	394									
36/ 35																		109	109	206	326									
34/ 33																		119	119	208	268									
32/ 31																		55	55	172	357									
30/ 29																		29	29	102	262									
28/ 27																		24	24	57	246									
26/ 25																		17	17	43	173									
24/ 23																		8	8	36	152									
22/ 21																		3	3	19	126									
Element (X)	Σ X'					Σ X					Σ					Σ					Σ					Σ				
Rel Hum																														
Dry Bulb																														
Wet Bulb																														
Dew Point																														

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

PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 2

AL

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	
20/ 19																					6	57
18/ 17																					1	91
16/ 15																						61
14/ 13																						53
12/ 11																						38
10/ 9																						44
8/ 7																						36
6/ 5																						32
4/ 3																						4
TOTAL	.620	.422	.315	.912	.9	9.4	6.7	5.0	3.5	1.9	1.1	.3	.1	.1	.0				7198	7200		7198

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

0000-C200
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0000-0200
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

68-70, 73-79

DEC

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														
72/ 71			.1																	1	1															
70/ 69			.5	.3																8	8															
68/ 67		.3	1.1	.5																18	18	1														
66/ 65		.6	2.5	.1																30	30	10														
64/ 63		1.0	.6	.1																16	16	25	9													
62/ 61		1.2	1.1					.1												22	22	34	14													
60/ 59	.1	.6	.8	.1		.1		.1												17	17	14	43													
58/ 57	.3	1.4	.5		.2			.2		.2										27	27	27	15													
56/ 55	.5	2.8	.9	.3	.1	.1	.2		.1											47	47	26	36													
54/ 53	.3	1.5	1.1	.4	.5	.3	.5	.1												46	46	29	25													
52/ 51		1.5	1.2	.4	.4	1.3	.2	.1												48	48	22	19													
50/ 49	.2	1.5	.6	.3	.6	.9	.2													44	45	41	37													
48/ 47		2.2	1.0	1.6	.9	.9														61	61	33	20													
46/ 45		2.4	1.7	2.0	1.5	.4														68	68	40	20													
44/ 43	.2	1.4	2.3	2.5	1.5	.4														77	77	55	39													
42/ 41		.9	2.6	1.5	1.3	.1	.2													61	61	58	27													
40/ 39	.3	.6	4.3	2.3	.4															74	74	75	24													
38/ 37		1.2	3.1	1.9	.1															59	59	80	20													
36/ 35	.1	3.6	2.5	.9	.3															68	68	90	33													
34/ 33	.1	1.3	2.0	1.6																47	47	52	56													
32/ 31		.1	1.5	1.8	.1															33	33	49	81													
30/ 29		1.1	1.2	.4																25	25	24	77													
28/ 27	.2	.7	.9	.3																18	18	51	69													
26/ 25		.2	.3	.1																6	6	28	39													
24/ 23		.4	.1																	5	5	12	44													
22/ 21				.1																1	1	15	27													
20/ 19			.1	.1																2	2		33													
18/ 17																							16													
16/ 15																						3	17													
14/ 13																							10													
12/ 11																							17													
10/ 9																							11													
8/ 7																							1													
-2/ -3																							3													
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.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

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

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

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

[illegible]

PSYCHROMETRIC SUMMARY

68-70, 73-79

DEC

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HOOD)

68-70:73-79

DEC

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			
76/ 75											.1							1	1					
74/ 73					.1	.1					.1							3	3					
72/ 71				1.0	.4	.4				.2								19	19					
70/ 69			.6	1.0	.8			.1		.2	.1							26	26					
68/ 67			.9	.9	.2		.2				.1							21	21	4				
66/ 65		.3	1.2	.5	.5		.3	.3	.1	.1								32	32	15	4			
64/ 63		.6	.6	.4	.2	.4	.3	.3	.1									29	29	40	7			
62/ 61		.4	.8	.3	.5	.4	.1	.3										27	27	20	27			
60/ 59		1.6	.6	.4	.5	.1	.8	.5	.4	.1								48	48	25	29			
58/ 57	.1	1.5	.6	.4	.5	.8	1.0	.8	.1									54	54	28	30			
56/ 55	.2	1.4	.9	.5	1.1	1.4	.5	.7	.1	.1								60	60	34	31			
54/ 53		1.7	.9	.9	.5	1.4	1.2	.5										63	63	45	22			
52/ 51	.3	1.0	.8	1.2	1.6	1.6	.5	.1	.1									67	67	41	34			
50/ 49	.1	1.0	1.0	1.3	1.3	2.0	.8											69	69	36	28			
48/ 47		1.5	.6	2.3	2.0	1.7	.9	.1										85	85	54	21			
46/ 45	.1	2.0	.9	1.5	2.0	.8	.2	.1										71	71	72	38			
44/ 43		.6	1.3	2.3	1.5	1.2	.2											66	66	89	32			
42/ 41		.6	1.5	1.4	1.1	.3												46	46	73	33			
40/ 39		.3	1.1	1.0	1.1	.1												33	33	82	30			
38/ 37		1.1	.8	1.3	.3	.2												34	34	72	52			
36/ 35		1.2	.6	.8	.8													31	31	63	44			
34/ 33		.2	.3	.6	.3													14	14	49	78			
32/ 31		.2	.2	.4	.3													11	11	29	67			
30/ 29		.1	.1	.2														4	4	19	52			
28/ 27		.4		.4														8	8	15	49			
26/ 25			.2	.2														4	4	9	49			
24/ 23			.1	.1														2	2	6	43			
22/ 21																				5	27			
20/ 19				.2														2	2	2	22			
18/ 17																				1	25			
16/ 15																				2	16			
14/ 13																					5			
12/ 11																					10			
10/ 9																					9			
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ^2		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 44 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

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	
8 / 7																						5
6 / 5																						5
-2 / -3																						3
TOTAL		.918	.016	.621	.217	.813	.970	3.4	1.0	.8	.4									930		930
																			930		930	
									</													

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

D3902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-79

DEC

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	.2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
86/ 85														.1							1	1			
82/ 81												.1	.1	.2	.1						5	5			
80/ 79											.3	.1	.4								8	8			
78/ 77								.3	.1	.1	.2	.1	.1	.1							10	10			
76/ 75					.2	.5	.3	.3	.2	.1	.3	.1									20	20			
74/ 73				.2	.5	1.7	.6	.3	.2	.1	.2	.2									39	39			
72/ 71				.6	.6	1.0	.5	.4	.1		.2	.1									34	34			
73/ 69			.1		.9	1.0	1.0	.9	.5	.3	.4	.1									48	48			
68/ 67		.1	.1	.5	.5	.6	.8	.9	.4	.9	.3	.1									49	49	8		
66/ 65		.2	.2	.9	.4	.8	.6	.6	1.5	.6	.4										59	59	29	4	
64/ 63		.2	.3	.2	.1	.3	.8	.9	1.2	.6	.3										46	46	26	5	
62/ 61		.5	.3	.3	.3	.5	.6	1.8	1.0	.3											54	54	43	14	
60/ 59		.9	.2	.3	.6	1.0	.6	1.1	.9	.2	.2										56	56	47	27	
58/ 57	.1	1.1	.8	.3	.6	.8	1.4	1.7	.6	.3											72	72	43	35	
56/ 55	.1	.3	.4	.8	1.1	1.3	1.6	1.5	.3	.1											72	72	49	41	
54/ 53	.1	.1	.3	.6	1.0	.8	1.8	1.6	.2												61	61	44	19	
52/ 51	.1	.2	.4	.5	1.1	1.7	2.0	.2	.3												62	62	46	28	
50/ 49		1.0	.4	1.0	.5	1.5	1.1	.8	.1												59	59	78	29	
48/ 47		.4	.3	.4	.8	.5	.9	.1													32	32	73	31	
46/ 45		1.1	.1	.9	1.0	1.0	.2														39	39	94	35	
44/ 43		.3	.1		.5	.2	.2														13	13	71	37	
42/ 41		.5	.5		.4	.6	.1														21	21	71	40	
40/ 39		.1	.5	.2	.3	.4															15	15	61	39	
38/ 37		.9	.1	.2	.7	.4															17	17	42	40	
36/ 35		.6	.5	.3	.2	.3															19	19	38	41	
34/ 33		.2				.1															3	3	17	67	
32/ 31		.4	.2		.3																9	9	20	63	
30/ 29			.1	.1	.1																3	3	11	58	
28/ 27				.1	.1																2	2	7	47	
26/ 25				.1																	1	1	3	53	
24/ 23																								34	
22/ 21																								31	
20/ 19																								40	
18/ 17																								16	
Element (X)	ΣX^2		ΣX		$\bar{X}$		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

DEC

MONTH

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

[illegible]

FORM
JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

68-70, 73-79

CSG

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															.2			2	2						
84 / 83															.3			5	5						
82 / 81										.2		.3						5	5						
80 / 79							.1		.1			.4	.3	.1				10	10						
78 / 77						.1	.4	.1		.1	.1		.2					11	11						
76 / 75					.9	.4	1.1	.6			.5	.1						34	34						
74 / 73				.1	.3	1.0	1.5	.3	.4	.4		.2						40	40						
72 / 71			.1	.3	.6	1.3	.4	.2	.5	.5	.3	.3						47	47						
70 / 69			.3		.5	.9	1.5	.4	.3	1.0	.8	.2						50	50						
68 / 67			.1	.4	.2	.6	.3	.5	.8	1.5	.4	.2						48	48	15					
66 / 65			.1	.3	.6	.1	.4	1.0	1.8	1.1	.4	.2						57	57	16	?				
64 / 63		.2	.5		.4	.1	1.0	.8	1.4	.5	.2	.2						50	50	41	10				
62 / 61		1.2	.1	.1	.6	.1	.5	2.4	1.3	.4	.1							64	64	40	13				
60 / 59		1.2	.3	.6		.5	1.2	2.6	.5	1.0								74	74	45	24				
58 / 57	.1	.4	.5	.4	.5	1.0	.3	2.3	.6	.4								62	62	48	47				
56 / 55	.1	.1	.4	.5	.5	.5	2.2	2.2	.6	.1								71	71	43	29				
54 / 53		.1	.4	.5	.5	.9	1.7	1.6	.1									55	55	38	19				
52 / 51		.6	.6	.9	.8	.9	1.2	.9	.2									56	56	59	35				
50 / 49		.1	.2	.9	.5	.5	1.1	.8	1									40	40	95	22				
48 / 47		.3	.2	.1	.5	.1	.3											15	15	84	31				
46 / 45		1.0	.1	1.0	.4	.9	.2											23	33	72	17				
44 / 43		.4	.3		.1	.3	.5											16	16	90	39				
42 / 41		.5	.2		.3	.8	.3											19	19	75	31				
40 / 39		.8	.5		.2	.8												20	20	52	40				
38 / 37		.9	.2	.2	.1	.4												17	17	38	46				
36 / 35		.6	.1	.1	.1													9	9	24	39				
34 / 33		.3	.1	.1	.3													8	8	15	55				
32 / 31		.3	.3		.2													8	8	16	67				
30 / 29		.3			.1													4	4	14	69				
28 / 27																				8	52				
26 / 25																				3	46				
24 / 23																				2	20				
22 / 21																				1	39				
20 / 19																					32				
Element (X)	Σ x ²		Σ x		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

DEC

MONTH

1590-1700

1950 1960
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 1 18CC-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			
82/ 81															.1				1	1				
78/ 77																			1	1				
76/ 75							.1	.1						.1					2	2				
74/ 73					.1	.2	.3			.1	.1								8	8				
72/ 71			.1	.4	.5	.4	.1		.2	.1	.1	.1	.1						21	21				
70/ 69		.1	.4	.1	.8	.2					.1								16	16				
68/ 67		.1	.6	.6	.8	.4	.2	.1	.3	.1	.1								32	32	3	1		
66/ 65			1.2	.4	.4	.2	.3		.8	.2									33	33	14			
64/ 63		.8	.3	.2	.5	.1	.3	.2	.4	.1									33	33	24	9		
62/ 61		1.2	.9	1.1	.4	.5	.4	.4	.2	.1									49	49	32	10		
60/ 59	.2	1.5	.4	.9	.3	.4	1.1	.9	.1	.1									54	54	38	37		
58/ 57	.1	1.1	.9	.1	.6	.1	1.7	.3	.2	.1									49	49	31	27		
56/ 55		.3	1.2	1.0	1.1	1.2	1.3	.2	.2	.1									61	61	32	37		
54/ 53		1.1	.9	.8	1.1	1.9	.8	.3											63	63	34	19		
52/ 51		1.2	.8	.1	1.7	2.2	.8	.5	.1										68	68	43	30		
50/ 49		.9	1.2	1.2	2.5	2.0	.5	.1											78	78	52	35		
48/ 47		.8	.9	.9	2.0	1.1	.4												56	56	66	26		
46/ 45	.1	.9	.9	2.3	1.9	1.2	.2	.3											72	72	71	18		
44/ 43	.1		1.2	2.7	1.1	.9	.1												56	56	69	37		
42/ 41		.9	.5	.9	1.2	.5													37	37	80	33		
40/ 39		1.1	1.5	.9	1.5	.4													50	50	89	26		
38/ 37		1.0	.2	1.0	.7	.1													24	24	77	44		
36/ 35		.1	.8	.9	.2	.1													16	16	46	49		
34/ 33		.5	.2	.1	.2														10	10	42	72		
32/ 31	.1	.5	.9	1.0	.4														27	27	31	94		
30/ 29		.3	.2	.3	.2														10	10	21	65		
28/ 27																					13	56		
26/ 25																					12	41		
24/ 23																					7	28		
22/ 21																						25		
20/ 19																						30		
18/ 17																						22		
16/ 15																						20		
14/ 13																						7		
Element (X)	Σ x ²		Σ x		Σ		Σ _A		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

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		
12/ 11																						13		
10/ 9																						1		
8/ 7																						2		
6/ 5																						3		
4/ 3																						4		
2/ 1																						1		
TOTAL	.614	.216	.117	.820	.114	.6	8.7	3.3	2.6	1.1	.4	.1	.1	.1	.1				927	927	927	927		

PSYCHROMETRIC SUMMARY

CCC

MONTH

2100-2300

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DFC
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			
6 / 5																								
4 / 3																								
2 / 1																								
TOTAL	1.21	0.226	.222	.516	.5	7.4	3.6	1.7	.6	.5		.2	.2						927		927			
																			927		927			
													</											

USAFETAC
FORM
JUL 04
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

68-70, 73-79

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

03902 ROBERT GRAY AAF TX (FORT HODG) 68-70,73-80

STATION

STATION NAME

YEARS

ALL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
106/105																						9				
104/103																						28				
102/101																						63				
100/ 99																						198				
98/ 97																						433				
96/ 95																						745				
94/ 93																						1079				
92/ 91																						1502				
90/ 89																						1884				
88/ 87																						1998				
86/ 85																						2343				
84/ 83																						2558				
82/ 81																						3095				
80/ 79																						3662				
78/ 77																						4359				
76/ 75																						4777				
74/ 73																						4852				
72/ 71																						4547				
70/ 69																						4282				
68/ 67																						3682				
66/ 65																						3703				
64/ 63																						3256				
62/ 61																						3141				
60/ 59																						2933				
58/ 57																						2821				
56/ 55																						2648				
54/ 53																						2464				
52/ 51																						2347				
50/ 49																						2479				
48/ 47																						2064				
46/ 45																						2124				
44/ 43																						1887				
42/ 41																						1663				
40/ 39																						1720				
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										
</																										

PSYCHROMETRIC SUMMARY

ALL
MONTH

ALL

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-PULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 66-70,73-80

STATION		STATION NAME								YEARS						
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT.	NOV	DEC	ANNUAL		
00-02	MEAN	41.0	46.0	53.2	60.7	66.7	73.7	77.7	77.7	77.8	62.5	52.4	46.7	60.7		
	S D	11.649	10.103	9.833	8.065	6.367	5.473	3.761	3.117	2.7	8.431	10.458	10.325	14.716		
	TOTAL OBS	930	846	930	900	930	900	927	929	900	930	900	928	10950		
03-05	MEAN	40.0	44.5	51.5	59.0	65.0	71.6	74.6	74.3	69.0	60.9	50.6	45.3	58.9		
	S D	11.777	10.283	10.111	8.483	6.482	5.291	2.911	3.117	6.342	8.585	10.578	10.447	14.433		
	TOTAL OBS	930	846	930	900	930	900	927	930	900	930	900	930	10953		
06-08	MEAN	39.1	43.7	51.1	59.4	66.3	73.2	75.7	74.9	69.5	60.7	50.0	44.3	59.1		
	S D	11.636	10.160	10.022	8.204	6.303	5.263	3.555	3.602	6.440	8.493	10.519	10.681	15.071		
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956		
09-11	MEAN	43.9	49.8	57.8	66.4	73.4	81.1	84.4	83.6	77.5	68.8	57.4	50.6	66.3		
	S D	12.347	11.159	10.295	7.781	6.402	5.644	4.805	4.831	6.786	8.672	10.470	10.188	16.070		
	TOTAL OBS	930	846	930	900	930	900	930	930	900	928	900	930	10954		
12-14	MEAN	50.1	56.9	64.1	71.9	78.5	86.5	90.2	89.5	83.0	75.0	63.9	57.6	72.4		
	S D	13.770	12.961	11.115	8.152	6.958	6.383	5.433	5.357	7.568	9.236	11.373	10.952	16.192		
	TOTAL OBS	928	846	930	900	930	900	930	930	900	930	900	929	10953		
15-17	MEAN	52.2	59.6	66.6	74.1	80.0	88.2	91.8	91.2	84.1	76.4	64.6	59.3	74.1		
	S D	14.012	13.377	11.257	7.985	7.377	6.867	6.187	5.976	7.589	9.195	11.377	11.115	16.196		
	TOTAL OBS	930	846	930	900	930	900	930	929	900	930	900	930	10955		
18-20	MEAN	46.1	53.4	61.5	69.5	75.6	84.2	87.7	86.2	78.5	69.1	57.3	51.7	68.5		
	S D	11.955	11.518	10.373	7.652	7.084	6.586	6.376	6.270	7.208	8.874	10.684	10.720	16.409		
	TOTAL OBS	930	846	930	900	930	900	930	927	900	929	900	927	10949		
21-23	MEAN	42.6	48.4	55.9	63.4	69.6	77.3	80.9	79.9	73.3	64.4	53.9	48.2	63.2		
	S D	11.428	10.244	9.719	7.690	6.398	5.683	4.665	4.796	6.612	8.378	10.639	10.226	15.227		
	TOTAL OBS	930	846	930	900	930	898	930	926	900	930	900	927	10947		
ALL HOURS	MEAN	44.4	50.3	57.7	65.5	71.9	79.5	82.8	82.1	75.7	67.2	56.3	50.4	65.4		
	S D	13.130	12.540	11.711	9.698	8.616	8.455	7.917	7.825	8.840	10.449	11.984	11.703	16.501		
	TOTAL OBS	7438	6768	7440	7200	7440	7198	7434	7431	7200	7437	7200	7431	87617		

USAF ETAC FORM 0-89-5 (OLA)
OCT 78

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-80

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	37.7	42.1	48.7	56.2	63.0	68.5	70.7	70.3	66.2	57.4	48.1	42.1	56.0	
	S D	11.186	9.712	10.017	8.632	6.414	4.848	2.304	2.671	6.305	8.649	10.901	10.473	14.091	
	TOTAL OBS	930	846	930	900	930	899	927	929	900	930	900	928	10949	
03-05	MEAN	36.9	41.0	47.6	55.3	62.0	67.6	69.9	69.7	65.4	56.6	46.8	41.2	55.1	
	S D	11.369	9.952	10.404	9.040	6.696	5.026	2.278	2.772	6.613	8.993	11.032	10.670	14.291	
	TOTAL OBS	930	846	930	900	930	900	927	930	900	930	900	929	10952	
06-08	MEAN	36.3	40.4	47.2	55.6	62.8	68.6	70.6	70.3	65.8	56.6	46.5	40.6	55.2	
	S D	11.387	9.897	10.186	8.774	6.494	4.725	2.364	2.745	6.560	8.983	10.990	10.838	14.698	
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	899	930	10954	
09-11	MEAN	39.4	44.2	50.7	58.8	65.9	71.1	72.8	72.9	68.9	60.7	50.7	44.4	58.4	
	S D	11.365	9.810	9.324	7.762	5.860	4.114	2.008	2.261	5.814	8.088	10.404	9.985	14.052	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	928	900	930	10954	
12-14	MEAN	42.7	47.6	53.4	61.0	67.7	72.2	73.5	73.5	70.0	62.5	53.5	47.8	60.5	
	S D	11.234	9.745	8.901	7.358	5.825	4.028	2.070	2.290	5.542	7.543	10.255	9.466	13.099	
	TOTAL OBS	928	846	930	900	930	900	930	930	900	930	899	929	10952	
15-17	MEAN	43.8	48.7	54.3	61.8	68.0	72.4	73.4	73.4	69.9	62.7	53.6	48.2	60.9	
	S D	10.986	9.484	8.648	7.089	5.650	3.940	2.114	2.411	5.248	7.229	10.077	9.279	12.708	
	TOTAL OBS	930	846	930	900	930	900	929	929	900	930	900	930	10954	
18-20	MEAN	40.8	46.0	52.3	60.2	66.6	71.4	72.5	72.1	68.3	60.1	50.5	44.9	58.9	
	S D	10.702	9.249	8.939	7.421	5.692	4.008	2.144	2.528	5.498	7.548	10.401	9.658	13.396	
	TOTAL OBS	930	846	930	900	930	900	930	927	900	929	900	927	10949	
21-23	MEAN	38.8	43.6	50.1	57.8	64.3	69.6	71.2	70.8	66.8	58.1	48.8	42.9	57.0	
	S D	10.813	9.373	9.543	8.148	6.023	4.417	2.249	2.580	5.984	8.037	10.762	10.080	13.756	
	TOTAL OBS	930	845	930	900	930	898	930	926	900	930	900	927	10946	
ALL HOURS	MEAN	39.6	44.2	50.5	58.3	65.0	70.2	71.8	71.6	67.7	59.3	49.8	44.0	57.7	
	S D	11.412	10.058	9.829	8.395	6.467	4.723	2.558	2.911	6.207	8.483	10.911	10.415	13.94	
	TOTAL OBS	7438	6766	7440	7200	7440	7197	7433	7431	7200	7437	7198	7430	87610	

USAF ETAC FORM 0-89-5 (OLA)
OCT 75

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-80

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	32.7	36.9	43.8	52.4	60.5	65.7	67.3	67.1	63.5	53.2	43.2	35.9	51.9	
	S D	13.247	11.928	12.477	10.916	7.390	5.453	3.253	3.537	7.369	10.759	13.817	13.506	16.073	
	TOTAL OBS	930	846	930	900	930	899	927	929	900	930	900	928	10949	
03-05	MEAN	32.1	36.3	43.1	52.0	60.0	65.5	67.4	67.4	63.2	52.9	42.4	35.5	51.5	
	S D	13.456	12.049	12.845	11.046	7.641	5.565	3.053	3.403	7.542	10.978	13.808	13.546	16.342	
	TOTAL OBS	930	846	930	900	930	900	927	930	900	930	900	929	10952	
06-08	MEAN	31.7	35.9	42.9	52.1	60.4	66.1	68.0	68.0	63.6	53.2	42.2	35.2	51.7	
	S D	13.529	11.965	12.474	10.917	7.586	5.286	3.045	3.268	7.421	10.922	13.642	13.554	16.576	
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	899	930	10954	
09-11	MEAN	32.8	37.4	43.5	52.7	61.2	66.1	67.3	67.7	64.2	54.6	43.6	36.5	52.4	
	S D	13.899	12.477	12.423	11.228	7.777	5.162	3.267	3.170	7.334	10.856	14.093	13.669	16.254	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	928	900	930	10954	
12-14	MEAN	33.3	37.4	43.2	52.6	61.3	65.1	65.5	65.9	63.1	53.6	43.3	36.4	51.8	
	S D	13.866	12.449	12.524	11.544	8.084	5.309	3.922	3.758	7.486	10.914	14.850	13.713	15.957	
	TOTAL OBS	928	846	930	900	930	900	930	930	900	930	899	929	10952	
15-17	MEAN	33.4	37.0	42.8	52.6	60.9	64.5	64.6	64.9	62.1	52.8	42.8	35.8	51.3	
	S D	13.641	12.233	12.561	11.724	8.088	5.429	4.324	4.317	7.655	10.927	14.796	13.740	15.811	
	TOTAL OBS	930	846	930	900	930	900	929	929	900	930	900	930	10954	
18-20	MEAN	33.8	37.5	43.3	52.9	61.2	64.9	65.0	65.2	62.6	53.3	43.5	36.3	51.7	
	S D	13.123	11.714	12.527	11.385	7.580	5.303	4.324	4.381	7.314	10.195	13.717	13.227	15.493	
	TOTAL OBS	930	846	930	900	930	900	930	927	900	929	900	927	10949	
21-23	MEAN	33.4	37.6	44.1	53.1	61.0	65.6	66.2	66.1	62.9	53.1	43.2	35.9	51.9	
	S D	12.944	11.522	12.149	10.785	7.149	5.275	3.822	3.748	7.262	10.228	13.753	13.308	15.636	
	TOTAL OBS	930	845	930	900	930	898	930	926	900	930	900	927	10946	
ALL HOURS	MEAN	32.9	37.0	43.3	52.5	60.8	65.4	66.4	66.5	63.2	53.3	43.0	35.9	51.8	
	S D	13.478	12.024	12.500	11.197	7.677	5.372	3.848	3.881	7.443	10.734	14.068	13.535	16.024	
	TOTAL OBS	7438	6766	7440	7200	7440	7197	7433	7431	7200	7437	7198	7430	87610	

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	74.0	100
FEB	-	100.0	100.0	100.0	97.7	94.4	79.2	64.5	44.2	17.7	74.0	50
MAR	-	100.0	100.0	100.0	97.7	91.1	79.2	67.0	44.2	17.7	74.0	100
APR	1-11	100.0	100.0	97.7	94.4	91.1	83.3	63.1	32.1	1.1	67.2	100
MAY	12-14	100.0	94.4	87.7	71.1	53.3	41.7	30.4	17.7	6.5	51.0	100
JUN	15-17	100.0	94.4	81.1	64.4	49.8	39.7	30.2	14.1	7.7	53.4	100
JUL	18-	100.0	94.4	86.7	76.7	71.1	60.0	41.3	27.2	5.0	65.2	100
AUG	19-21	100.0	100.0	99.0	96.7	87.0	71.0	50.0	27.0	14.0	71.7	50
SEP												
OCT												
NOV												
DEC												
TOTALS		100.0	94.4	95.3	97.1	78.5	63.2	49.3	33.6	13.7	67.5	740

2

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1-11	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	11
	12-14	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	14
	15-17	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	17
	18-20	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	20
	21-23	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	23
	24-26	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	26
	27-29	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	29
	30-31	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	31
	TOTALS	100.0	100.0	74.0	60.0	50.0	40.0	30.0	20.0	10.0	64.0	676

[illegible]

RELATIVE HUMIDITY

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%		
1	-	100.0	100.0	99.4	98.1	96.7	94.8	92.3	89.1	85.1	71.1	
2	-	100.0	100.0	99.8	98.4	96.9	94.9	92.4	89.2	85.1	71.4	
3	-	100.0	100.0	99.8	98.4	96.9	94.9	92.4	89.2	85.1	71.4	
4	1-11	100.0	99.8	99.7	98.1	96.7	94.8	92.3	89.1	85.1	71.1	
5	12-14	100.0	99.8	99.8	98.4	96.9	94.9	92.4	89.2	85.1	71.4	
6	15-17	100.0	99.8	99.8	98.4	96.9	94.9	92.4	89.2	85.1	71.4	
7	18-19	100.0	99.8	99.8	98.4	96.9	94.9	92.4	89.2	85.1	71.4	
8	20-21	100.0	99.8	99.8	98.4	96.9	94.9	92.4	89.2	85.1	71.4	
9												
10												
11												
12												
TOTALS		100.0	97.9	98.5	92.0	89.9	86.1	82.1	77.1	71.1	62.9	704

USAF ETACFORM
JUL 64

0-87-5 (OL 1)

2

1. EL PASO, TEXAS
2. 1967
3. 1967

RELATIVE HUMIDITY

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
3	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
4	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
5	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
6	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
7	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
8	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
9	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
10	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
11	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
12	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
1-11	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
1-14	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
15-17	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
18-20	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
21-23	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
24-26	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
27-29	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
30-31	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTALS		10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

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RELATIVE HUMIDITY

STATION

STATION NAME

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MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRECE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
FEB		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MAR		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
APR	0-14	100.0	100.0	99.7	99.7	99.7	99.4	99.7	100.0	100.0	100.0	100.0
MAY	15-14	100.0	100.0	97.0	96.0	95.0	92.9	14.0	7.0	0.7	0.0	100.0
JUN	15-14	100.0	100.0	93.0	90.0	87.0	82.2	13.0	7.0	0.9	0.0	100.0
JUL	15-14	100.0	100.0	99.0	99.0	99.0	99.0	27.0	12.4	2.0	0.0	100.0
AUG	15-14	100.0	100.0	100.0	100.0	94.1	70.4	34.0	10.0	2.0	0.0	100.0
SEPT												
OCT												
NOV												
DEC												
TOTALS		100.0	100.0	98.0	91.0	74.0	24.3	50.9	29.9	4.6	67.0	700

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RELATIVE HUMIDITY

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STATION NAME

PERIOD

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

[illegible]

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RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	71
FEB		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	67
MAR		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
APR		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
MAY		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
JUN		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
JUL		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
AUG		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
SEP		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
OCT		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
NOV		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
DEC		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	70
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	78.0	710

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.

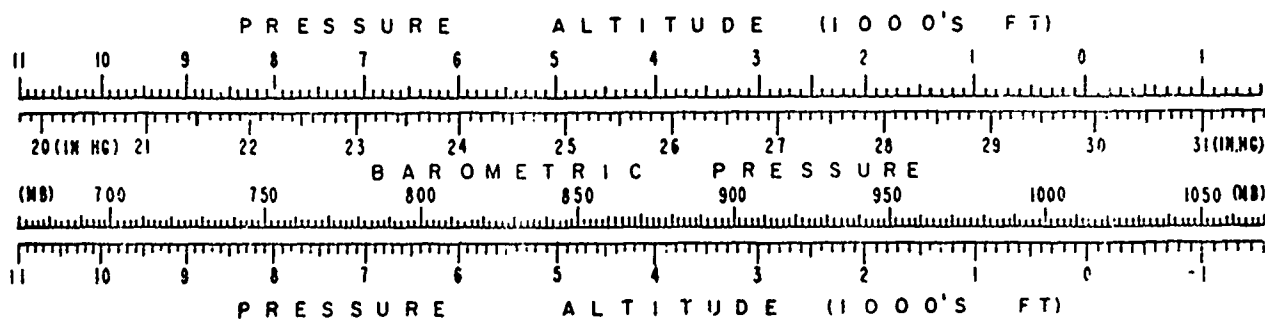
NOTES: Station pressure not reported for all services until late in 1945.

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
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-80

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00	MEAN	29.057	29.039	28.921	28.908	28.880	28.910	28.934	28.929	28.940	28.989	29.034	29.030	28.964	
	S D	.204	.196	.183	.156	.155	.111	.070	.069	.114	.144	.186	.194	.166	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	307	3648	
03	MEAN	29.049	29.025	28.905	28.891	28.862	28.899	28.929	28.923	28.930	28.981	29.025	29.017	28.952	
	S D	.207	.197	.184	.156	.156	.110	.071	.069	.116	.145	.186	.197	.167	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651	
06	MEAN	29.049	29.031	28.919	28.908	28.882	28.917	28.948	28.940	28.945	28.996	29.034	29.018	28.965	
	S D	.207	.197	.187	.157	.156	.111	.072	.071	.118	.148	.191	.200	.167	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
09	MEAN	29.091	29.072	28.959	28.943	28.916	28.947	28.977	28.971	28.979	29.035	29.073	29.058	29.001	
	S D	.207	.202	.190	.160	.158	.110	.073	.072	.120	.150	.196	.203	.170	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
12	MEAN	29.086	29.068	28.948	28.931	28.902	28.936	28.961	28.955	28.965	29.016	29.053	29.045	28.988	
	S D	.206	.202	.190	.157	.158	.110	.074	.073	.120	.148	.196	.203	.170	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
15	MEAN	29.015	28.994	28.879	28.874	28.854	28.889	28.909	28.894	28.903	28.953	28.991	28.979	28.927	
	S D	.205	.201	.187	.157	.156	.110	.071	.072	.118	.147	.193	.201	.167	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
18	MEAN	29.022	28.992	28.867	28.852	28.825	28.857	28.879	28.871	28.894	28.951	28.997	28.988	28.916	
	S D	.204	.199	.185	.157	.156	.110	.071	.072	.118	.147	.188	.200	.170	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
21	MEAN	29.052	29.026	28.906	28.891	28.860	28.887	28.907	28.908	28.933	28.986	29.030	29.021	28.950	
	S D	.205	.195	.183	.157	.152	.108	.069	.071	.117	.147	.188	.197	.169	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
ALL HOURS	MEAN	29.053	29.031	28.913	28.900	28.873	28.905	28.930	28.924	28.936	28.988	29.030	29.019	28.959	
	S D	.207	.200	.188	.159	.158	.113	.077	.077	.120	.149	.192	.200	.170	
	TOTAL OBS	2479	2256	2480	2400	2480	2400	2478	2478	2400	2480	2400	2475	29206	

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

03902 ROBERT GRAY AAF TX (FORT HOOD) 68-70,73-80

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00	MEAN	1020.3	1019.4	1014.9	1014.1	1012.9	1013.7	1014.8	1014.6	1014.9	1017.0	1019.0	1019.1	1016.2	
	S D	7.427	7.007	6.403	5.567	5.063	3.841	2.401	2.505	3.863	5.188	6.589	6.968	6.009	
	TOTAL OBS	310	282	310	300	310	300	309	309	300	310	300	308	3648	
03	MEAN	1019.9	1018.8	1014.3	1013.5	1012.2	1013.3	1014.6	1014.4	1014.6	1016.7	1018.6	1018.6	1015.8	
	S D	7.498	7.017	6.438	5.634	5.084	3.806	2.431	2.494	3.891	5.206	6.613	7.053	6.044	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651	
06	MEAN	1020.0	1019.1	1014.8	1014.1	1013.0	1014.0	1015.3	1015.1	1015.1	1017.3	1019.0	1018.7	1016.3	
	S D	7.498	7.039	6.511	5.639	5.080	3.874	2.463	2.513	3.954	5.331	6.760	7.183	6.020	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
09	MEAN	1021.6	1020.6	1016.3	1015.4	1014.2	1015.0	1016.3	1016.1	1016.3	1018.6	1020.4	1020.2	1017.6	
	S D	7.550	7.180	6.612	5.737	5.163	3.823	2.493	2.519	4.054	5.380	6.882	7.244	6.139	
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651	
12	MEAN	1021.3	1020.4	1015.9	1015.0	1013.7	1014.6	1015.8	1015.6	1015.8	1017.9	1019.7	1019.6	1017.1	
	S D	7.504	7.196	6.613	5.650	5.143	3.825	2.482	2.583	4.050	5.330	6.947	7.278	6.143	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
15	MEAN	1018.7	1017.7	1013.4	1012.9	1011.9	1012.9	1013.9	1013.5	1013.7	1015.7	1017.5	1017.3	1014.9	
	S D	7.466	7.143	6.494	5.597	5.131	3.828	2.501	2.579	3.991	5.284	6.863	7.221	6.011	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
18	MEAN	1019.0	1017.7	1013.0	1012.2	1011.0	1011.9	1012.9	1012.6	1013.4	1015.7	1017.8	1017.7	1014.5	
	S D	7.474	7.082	6.439	5.599	5.087	3.825	2.548	2.620	4.020	5.323	6.646	7.168	6.175	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
21	MEAN	1020.1	1019.0	1014.4	1013.6	1012.2	1012.9	1013.9	1013.9	1014.8	1016.9	1018.9	1018.8	1015.8	
	S D	7.495	6.949	6.368	5.598	4.962	3.769	2.433	2.594	3.973	5.290	6.648	7.078	6.115	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
ALL HOURS	MEAN	1020.1	1019.1	1014.6	1013.8	1012.6	1013.5	1014.7	1014.5	1014.8	1017.0	1018.8	1018.7	1016.0	
	S D	7.533	7.135	6.559	5.704	5.170	3.933	2.680	2.758	4.075	5.368	6.793	7.194	6.154	
	TOTAL OBS	2479	2256	2480	2400	2479	2400	2478	2477	2400	2480	2400	2476	29205	

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