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RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 82

UNCLASSIFIED

USAFETAC/DS-82/012

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The table consists of 10 columns and 15 rows. The top row is mostly blacked out, with some faint markings. The remaining 14 rows are completely blacked out, obscuring any data that might have been present.

ADE 850 152

AD A113704

USAFETAC/DS-82/012

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

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6 FEB 1982

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

RANDOLPH AFB TX MSC #722536
N 29 32 W 098 17 FLD ELEV 761 FT RMD

PARTS A-F
POR FROM HOURLY OBS: JUN 69 - DEC 70, JAN 73 - MAY 81
POR FROM DAILY OBS: MAY 38 - AUG 39, OCT 39 - JAN 46,
MAY 46 - MAY 81

TIME CONVERSION GMT TO LST: -6

FEB 08 1982

FEDERAL BUILDING
ASHEVILLE, N. C.

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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

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

PHOTOGRAPH THIS SHEET

ADE850152

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USAFETAC/DS-82/012

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8 Feb. 82

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those 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

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 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 when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. OR SUMMARY 722536	STATION NAME RANDOLPH AFB TEXAS/SAN ANTONIO	LATITUDE N 29 32	LONGITUDE W 098 17	FIELD ELEV (FT) 761	CALL SIGN RND	WMO NUMBER
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Randolph Field, San Antonio	AAF	Apr 38	May 48	N 29 32	W 098 17	743	755	24
2	Randolph AFB, Texas	AFB	Jun 48	Mar 53	Same	Same	Same	Same	24
3	Same	Same	Apr 53	Aug 75	Same	Same	761	743	24
4	Same	Same	Sep 75	Dec 79	Same	Same	Same	Same	24
			Jan 80	Nov 81	Same	Same	761	NA	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 38	Located in Administration Bldg.	Anemometer	None	20 ft	Removed
2	Jun 48	Located at Weather Station.	Selsyn	ML-144	43 ft	Removed
3	Apr 53	Located in Base Weather Station.	Same	Same	Same	Removed
4	Apr 55	Located on Top of Station.	Same	Same	65 ft	Removed
5	Apr 58	Located in the East Tower.	AN/GMQ-11	RO-362	5 ft	RO2 Replaced with RO362
6	Apr 60	Located approx. on the center and 800 ft ENE of Rnwy 14L-32R.	Same	Same	13 ft	
7	Jan 62	Dual Instrumented				
		1. Approx, centered on and 850 ft ENE of centerline of Rnwy 14L-32R.	Same	Same	Same	
		2. Approx, centered on and 550 ft WSW of centerline of Rnwy 14R-32L.	Same		Same	

NUMBER OF CATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER		HT ABOVE GROUND
8	Apr 65	Dual Instrumented 1. Same 2. Located 550 ft WSW of center-line and 2875 ft SW of Rnwy 14R.	Same Same	Same Same	Same Same	
9	Jan 67	Triple Instrumented 1. Approx 550 ft ENE of center-line of Rnwy 32R and 1450 ft from end of Rnwy 32R. 2. Approx 600 ft ENE of center-line of Rnwy 14L and 700 ft from end of Rnwy 14C. 3. Located 550 ft WSW of center-line and 2875 ft SW of Rnwy 14R.	Same Same Same	Same Same Same	Same Same Same	
10	Oct 70	Triple Instrumented 1. Located 520 ft ENE of center-line, 1330 ft NE of end of Rnwy 32R. 2. Located 410 ft ENE of center-line, 905 ft SE of end of Rnwy 14L. 3. Located 520 ft WSW of center-line, 2450 ft SSW of end of Rnwy 14R.	Same Same Same	Same Same Same	Same Same Same	
11	Jan 71	Triple Instrumented 1. Same 2. Same 3. Same	AN/GMQ-20 Same AN/GMQ-11	RO-362 Same RO-2	Same Same Same	
12	Aug 75	1. Same 2. Same 3. Same	Same Same Same	Same Same Same	Same Same Same	
13	Dec 79	1. Same 2. Same 3. Same	Same Same Same	Same Same Same	Same Same Same	

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

700736 RANDOLPH AFB TX 70,73-81 JAN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.5	15.6	1.4	.8	.1	17.0	19.5	.8			19.8	930
	03-05	.2	15.9	1.8	.4		17.7	24.0	1.1			24.0	930
	06-08	.1	15.3	1.0	.2		16.3	27.7	1.0		.1	28.2	930
	09-11	.2	13.1	.1	.1		13.3	24.4	3.1		.1	26.0	930
	12-14	.1	10.9		.2	.1	11.0	13.4	4.0			16.0	930
	15-17	.1	10.4	.1			10.5	10.0	2.5			11.7	930
	18-20	.4	11.8	1.1			12.6	13.3	.9			13.4	930
	21-23	.1	12.8	1.1	.5		13.9	14.7	1.2			15.5	930
TOTALS		.2	13.2	.8	.3	.0	14.1	18.4	1.8		.0	19.3	7440

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

70736

DANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.4	11.8		.4		12.2	16.0	.1		.5	16.5	845
	03-05	.1	14.2	.4	.6		15.0	23.4	.4		.2	23.8	845
	06-08	.2	14.4	.7	.2		15.4	30.9	1.2		.2	31.4	846
	09-11	.5	12.2	.4	.1	.1	12.6	22.8	2.6		.1	24.0	846
	12-14		8.7		.4		9.0	9.8	2.5			11.6	846
	15-17		7.2	.2	.2		7.6	7.4	1.7			8.7	846
	18-20		7.6	.4	.6	.2	8.3	7.9	.7			8.3	846
	21-23		7.7		.7		8.0	10.3	.2		.1	10.4	846
TOTALS		.2	10.5	.3	.4	.0	11.0	16.1	1.2		.1	16.9	6767

LOCAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

72036

RANDOLPH AFB TX

73, 73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.9	11.0		.1		11.1	13.1	1.4		.4	14.4	930
	03-05	.4	13.4				13.4	21.5	1.5		.1	23.4	930
	06-08	.4	14.1				14.1	30.6	3.4		1.5	33.2	930
	09-11	.2	12.8				12.8	21.0	3.7		.9	24.1	930
	12-14	.1	7.8				7.8	9.6	3.0		.3	12.3	930
	15-17	.2	5.4				5.4	4.4	1.8		.1	6.2	930
	18-20	.9	5.2				5.2	4.6	1.2		.4	6.2	930
	21-23	.9	6.6				6.6	7.4	1.9		.5	9.9	930
TOTALS		.5	7.5		.0		9.6	14.1	2.2		.7	16.2	7440

JOINT CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

7 0736 RANDOLPH AFB TX

73, 73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
APR	00-02	2.6	9.7				9.7	14.1	2.8		.2	16.3	900
	03-05	3.2	13.6				13.6	27.1	3.1		.2	29.1	900
	06-08	2.6	14.4				14.4	39.4	7.7			44.3	900
	09-11	1.6	11.9				11.9	19.2	5.8		.4	24.8	900
	12-14	1.1	8.4				8.4	8.1	3.0		.1	17.8	900
	15-17	1.7	5.4				5.4	4.6	2.3			6.7	900
	18-20	1.0	3.6				3.6	5.4	1.9		.2	7.2	900
	21-23	1.3	5.9				5.9	7.8	2.7		.1	10.4	900
TOTALS		1.9	9.1				9.1	15.7	3.7		.2	19.7	7200

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

752136

RANDOLPH AFB TX

75,73-81

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	30-02	2.7	6.9				6.9	11.3	3.2			13.0	930
	03-05	4.0	3.8				6.8	26.1	3.1			27.8	930
	06-08	1.6	8.1				8.1	36.2	9.2			40.9	930
	09-11	1.2	7.0				7.0	11.8	9.1			19.2	930
	12-14	2.2	5.5				5.5	3.7	5.6			8.9	930
	15-17	2.6	5.4				5.4	2.7	3.8			6.2	930
	18-20	3.6	4.9				4.9	2.5	2.9			5.2	927
	21-23	3.7	4.4				4.4	3.8	1.8			4.9	927
TOTALS		2.8	6.4				6.4	12.3	4.9			15.8	7434

USAFETAC
AD WEATHER SERVICE/MAC

WEATHER CONDITIONS

702136

RANDOLPH AFB TX

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	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	1.6	3.6				3.6	2.0	1.0			2.6	900
	03-05	1.9	2.8				2.8	12.6	2.8			13.3	900
	06-08	2.1	4.7				4.7	23.0	11.6			27.8	900
	09-11	1.1	3.6				3.6	1.9	2.3			4.0	999
	12-14	1.1	2.4				2.4	.9	.6			1.4	900
	15-17	1.2	3.0				3.0	.4	.4			.9	900
	18-20	1.2	3.1			.1	3.1	.7	.6			1.1	900
	21-23	1.0	2.9				2.9	.4	.1			.6	900
TOTALS		1.4	3.3			.0	3.3	5.2	2.4			6.5	7199

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

742736
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02		.9				.9	2.3	1.6			3.5	930
	03-05	.1	3.3				3.3	7.0	2.6			8.6	930
	06-08		4.9				4.9	17.2	8.6			21.4	930
	09-11	.4	3.9				3.9	1.4	3.4			4.7	930
	12-14	1.0	4.6				4.6	.3	1.5			1.8	930
	15-17	3.0	5.9				5.9	.5	.9			1.4	930
	18-20	1.4	3.4				3.4	.6	.5			1.2	930
	21-23	.6	1.4				1.4	.5	.5			1.1	930
TOTALS		.8	3.5				3.5	3.7	2.5			5.5	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

702936 RANDOLPH AFB TX 69-70,73-80 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.8	2.9				2.9	1.8	1.3			2.8	930
	03-05	.3	2.9				2.9	9.0	4.0			10.5	930
	06-08	.5	3.4				3.4	23.5	15.2			28.0	930
	09-11	.9	3.5				3.5	2.0	3.4			4.6	930
	12-14	3.0	4.6				4.8	.3	1.1			1.3	930
	15-17	3.2	4.9				4.9		.9			.9	930
	18-20	2.4	4.2				4.2	.4	.9			1.3	930
	21-23	1.2	3.1				3.1	.6	.5			1.2	930
TOTALS		1.5	3.7				3.7	4.7	3.4			6.4	7440

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

720-36

RANDOLPH AFB TX

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	1.0	4.6				4.6	6.9	2.3			8.0	900
	03-05	1.6	4.9				4.9	15.5	2.3			16.5	899
	06-08	1.0	7.4				7.4	30.7	8.9			33.2	900
	09-11	.4	6.2				6.2	6.0	6.2			13.7	900
	12-14	.9	6.2				6.2	1.4	4.3			5.6	900
	15-17	2.2	6.7				6.7	1.4	3.7			4.6	900
	18-20	3.0	6.8				6.8	1.9	3.9			5.3	900
	21-23	1.2	5.8				5.8	2.7	3.2			5.5	900
TOTALS		1.4	6.1				6.1	8.3	4.4			11.1	7199

JOURNAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

702036

RANDOLPH AFB TX

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.8	5.3				5.3	6.7	.9			6.8	930
	03-05	.3	6.1				6.1	16.8	1.3			17.2	930
	06-08	.4	7.7				7.7	28.9	7.0			30.1	930
	09-11	.6	6.2				6.2	10.4	6.8			14.7	930
	12-14	1.0	5.3				5.3	2.4	2.3		.1	4.4	930
	15-17	1.1	5.6				5.6	2.0	1.4		.3	3.7	930
	18-20	1.1	4.4				4.4	2.4	1.1		.1	3.0	930
	21-23	.6	4.3				4.3	1.9	.4			2.3	930
TOTALS		.7	5.6				5.6	8.9	2.7		.1	10.3	7440

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

12 36 RANDOLPH AFB TX 69-70,73-80 NOV
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	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	.6	7.6		.3		7.7	13.3	1.3			14.0	900
	03-05	.8	8.3	.2	.1		9.6	18.6	.3			18.6	900
	06-08	1.1	9.4	.3	.2		9.8	27.4	1.9			28.0	900
	09-11	.1	7.7				7.7	16.9	2.9			19.1	900
	12-14	.1	7.1				7.1	6.1	1.7			7.3	900
	15-17	.4	7.0				7.0	4.9	.6			5.4	900
	18-20	.8	7.3				7.3	6.4	.8			6.9	900
	21-23	.4	7.2		.2		7.2	6.8	1.0			7.1	900
TOTALS		.5	7.7	.1	.1		7.8	12.6	1.3			13.3	7200

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

722436

RANDOLPH AFB TX

69-73,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.1	9.5	.2	.1		9.7	13.8	.3		.2	14.0	930
	03-05	.6	12.3				12.3	19.9	.1		.3	20.2	930
	06-08		11.9				11.9	24.4	1.3		.3	25.2	930
	09-11	.2	10.1				10.1	20.3	2.2		.1	21.7	930
	12-14		8.3				8.3	8.9	1.7			9.8	930
	15-17		7.8				7.8	6.8	1.2		.1	7.5	930
	18-20	.3	6.5				6.5	7.4	.8		.1	8.2	927
	21-23	.3	8.2		.1		8.2	8.4	.6			9.0	927
TOTALS		.2	9.3	.0	.0		9.4	13.7	1.0		.1	14.0	7434

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72536

RANDOLPH AFB TX

69-70,73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	13.2	.8	.3	.0	14.1	18.4	1.2		.0	19.3	7440
FEB		.2	10.5	.3	.4	.0	11.0	16.1	1.2		.1	16.9	6767
MAR		.5	9.5		.0		9.6	14.1	2.2		.7	16.2	7440
APR		1.9	9.1				9.1	15.7	3.7		.2	18.7	7200
MAY		2.8	6.4				6.4	12.3	4.9			15.8	7434
JUN		1.4	3.3			.0	3.3	5.2	2.4			6.5	7199
JUL		.8	3.5				3.5	3.7	2.5			5.5	7440
AUG		1.5	3.7				3.7	4.7	3.4			6.4	7440
SEP		1.4	6.1				6.1	8.3	4.4			11.1	7199
OCT		.7	5.6				5.6	8.9	2.7		.1	11.3	7440
NOV		.5	7.7	.1	.1		7.8	12.6	1.3			13.3	7200
DEC		.2	9.3	.0	.0		9.4	13.7	1.0		.1	14.5	7434
TOTALS		1.0	7.3	.1	.1	.0	7.5	11.1	2.6		.1	12.9	87633

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

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

CLIMAT. CLIMATOLOGY BRANCH
 USAFETAC
 ATC WEATHER SERVICE/HAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

102536 RANDOLPH AFB TX 46-81 ALL
 STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	3.4	44.8	3.0	2.9	.3	43.1	44.8	8.4			45.4	1085
FEB		5.5	43.1	1.2	1.7	.5	41.1	42.8	6.8		.3	43.8	989
MAR		7.2	44.0	.1	.5	1.6	41.8	40.4	11.7		.5	42.9	1085
APR		15.0	47.3		.1	1.6	44.6	44.1	14.2		.3	46.8	1050
MAY		20.3	44.4			1.4	42.0	41.8	18.0		.1	44.1	1085
JUN		14.9	30.9			.3	29.1	24.7	12.2			27.6	1020
JUL		12.9	23.7				22.3	15.4	8.1			17.5	1054
AUG		15.7	29.6			.2	27.9	19.2	10.8			21.5	1054
SEP		13.8	36.7			.2	33.5	31.9	12.7			34.2	1050
OCT		8.4	31.6			.3	28.9	36.1	12.5			38.0	1084
NOV		4.5	36.1	.2	.8		33.1	37.9	9.2			39.1	1050
DEC		2.5	38.5	.6	1.0	.1	35.5	39.1	7.7			40.0	1085
TOTALS		10.3	37.6	.4	.6	.5	35.2	34.8	11.0		.1	36.7	12691

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX STATION NAME 36-81 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
	SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	55.6	19.8	3.6	6.9	4.1	4.3	2.7	1.7	1.3					24.6	1318	1.69	7.95	.00
FEB	55.7	19.0	3.0	5.8	4.2	4.3	3.5	2.9	1.5	.1				25.4	1182	2.05	6.73	.00
MAR	55.5	22.4	4.3	5.6	3.3	3.4	2.5	1.9	1.0	.1				22.1	1301	1.52	5.96	.01
APR	53.6	23.2	2.9	4.4	2.5	3.7	3.0	3.1	3.3	.3				23.2	1258	3.21	10.23	.20
MAY	56.7	17.8	2.5	5.1	3.1	4.3	3.8	3.7	3.3	.3	.1			26.2	1321	3.71	13.25	.00
JUN	64.3	14.3	1.4	3.0	1.9	2.3	2.3	3.1	2.7	.6				17.5	1254	3.08	7.71	.00
JUL	75.9	9.9	.7	3.2	2.2	2.6	2.1	1.5	1.7	.2				14.2	1295	1.74	8.59	.00
AUG	70.8	11.3	1.2	3.3	2.1	3.5	2.5	2.9	2.0	.2				17.8	1296	2.40	8.55	.00
SEP	64.5	12.9	1.9	4.2	2.0	3.0	4.0	3.7	3.0	.6	.1			22.6	1251	3.85	15.45	.00
OCT	67.7	12.4	2.3	4.2	2.2	3.6	2.0	2.6	2.3	.7	.1			20.0	1327	3.06	11.44	.00
NOV	64.2	17.1	2.0	3.6	2.1	3.6	3.3	2.1	1.5	.3	.1			18.6	1277	2.15	7.33	.00
DEC	61.5	16.5	3.0	6.1	4.0	3.9	2.0	2.1	.8	.1				22.1	1324	1.57	5.20	.00
ANNUAL	62.4	16.4	2.4	4.6	2.8	3.5	2.8	2.6	2.0	.3	.0			21.2	15404	30.03		

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 PRECIPITATION

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
35					* .00*	.00*	.00*	.00*	.00*	.00*	.00*	.00	
39	* .00*	.00	.42*	.38	1.08	.05	1.01	2.16		.07	.26	.58	
40	.55	.27	.34	2.52	1.69	2.83	.57	.82	.35	2.63	1.09	.96	2.83
41	1.20	.79	1.39	2.24	1.19	3.79	.52	.45	3.43	1.56	.47	.58	3.79
42	.21	1.11	.27	.98	.89	1.34	3.32*	2.06	3.65	5.07	.41	.10	5.07
43	.52	.04	1.11	.97	1.14	1.37	1.33	1.88	1.64	.80	1.09	.32	1.88
44	1.82	.49	1.18	.82	1.66	1.19	.12	.93	2.19	.95	1.15	1.36	2.19
45	1.38	1.04	2.95	.61	.10	1.91	1.43	.43	1.68	3.14	.62	.37	3.14
46	.84*	.52							1.84	.66	1.40	1.65	
47	.71	.14	1.28	.11	2.51	.01	.88	2.08	TRACE	.11	.55	.84	2.51
48	.29	.55	.24	.93	1.27	2.89	.15	.65	1.23	1.50	.41	.11	2.89
49	1.09	2.24	.60	2.53	.42	3.09	.73	.51	.74	2.86	.03	.85	3.09
50	.06	.43	.08	1.83	1.45	2.53	.56	.76	.92	.31	.16	TRACE	2.53
51	.22	1.26	1.46	.22	2.05	2.25	TRACE	.37	1.68	.55	.52	.10	2.25
52	.47	.75	1.36	2.14	1.96	1.42	1.45	TRACE	2.54	.00*	1.34	.85	2.54
53	.50	.40	.19	1.47	.27	2.96	.02	2.29	3.90	.85	.35	2.49	3.90
54	.24	.09	.05	.98	.83	2.06	.86	.24	.56	.71	.22	.13	2.06
55	1.20	3.10	1.38	.16	1.10	.83	.38	.50	.30	.03	.80	.63	3.10
56	.72	.36	.13	.25	1.72	.26	.04	2.78	.35	.25	.55	2.14	2.78
57	.36	1.41	.90	2.17	3.42	1.32	1.05	.06	4.41	1.63	1.01	.57	4.41
58	1.31	1.98	.36	1.16	1.58	.63	1.29	.23	2.27	1.14	.90	.29	2.27
59	.18	.66	.12	2.13	1.52	1.99	1.93	1.21	.55	4.15	.80	1.15	4.15
60	.46	.69	1.01	1.65	.39	3.55	.41	2.23	.80	2.49	.49	1.07	3.55
61	.24	1.38	.06	.38	.14	2.29	2.11	.85	.70	2.71	1.75	.16	2.71
62	.12	.85	.53	1.45	1.04	.91	TRACE	.67	1.78	.26	3.21	.80	3.21
63	.28	1.78	.07	1.67	1.93	1.23	.47	.27	1.36	1.63*	.84	.69	1.93
64	2.09	.56	2.04	.55	1.12	1.68	.11	1.50	1.21	1.88	3.82	1.83	3.82
65	1.58	1.74	2.02	1.37	2.24	1.03	.05	.14	1.67	2.90	3.05	3.16	3.16
66	.36	.80	.60	.85	1.34	1.34	.12	1.73	.63	.28	TRACE	.18	1.73
67	.08	.19	1.45	.54	1.19	.02	1.77	.64	3.69	1.31	1.96	.43	3.69
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

722536
STATION

RANDOLPH AFB TX
STATION NAME

38-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
68	2.44	.88	.56	1.92	1.16	1.16	.39	.63	1.94	.63	2.18	.36	2.44
69	.41	1.45	1.17	1.72	1.21	1.79	.13	1.05	1.37	1.71	1.43	1.46	1.79
70	.41	1.80*	.86	1.40	2.05	.44	.40	.96	1.09	.50	.01	.05	2.05
71	.04	.48	.01	.59	.62	.66	.10	2.46	2.17	2.14	1.30	.93	2.46
72	.59	.26	.13	.48	7.49	2.18	.45	1.27	.78	1.13	.98	.08	7.49
73	.91	.65	.92	2.66	.40	2.31	1.73	1.14	5.13	1.57	.15	.21	5.13
74	.66	.10	.81	2.81	1.23	.76	.60	2.47	.95	.77	1.99	.47	2.81
75	.32	1.29	.88	.82	3.19	2.07	.42	.50	.74	3.51	.26	1.60	3.51
76	.11	.39	.85	2.00	3.30	.57	1.28	.77	1.42	2.11	.56	.79	3.30
77	1.15	.61	.38	2.35	.80	.56	.09	.65	1.31	.99	5.94	.22	5.94
78	.18	.85	.65	1.95	.98	4.52	4.21	3.17	2.73	.74	3.38	1.07	4.52
79	1.92	.57	.66	2.10	.46	1.80	1.76	1.12	.51	.76	.32	1.12	2.10
80	.71	.24	.80	.82	1.98	.60	TRACE	1.09	2.23*	.41	1.51	.28	2.23
81	1.64	.60	.83	2.21	1.83								
MEAN	.728	.860	.786	1.361	1.522	1.614	.835	1.092	1.669	1.439	1.177	.786	3.232
S. D.	.616	.664	.638	.783	1.234	1.074	.916	.818	1.206	1.191	1.237	.707	1.206
TOTAL OBS	1318	1182	1301	1258	1321	1254	1295	1296	1251	1327	1277	1324	15404

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXXXXXX
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
38					.00*	.00*	.00*	.00*	.00*	.00*	.00*	.00	
39	* .00*	.00	.61*	.38	2.74	.10	2.10	3.65		.15	.57	.79	
40	.61	1.08	1.00	4.23	3.66	7.71	1.11	.83	.66	5.23	2.07	3.75	31.94
41	2.55	2.40	2.67	6.68	3.42	6.55	.60	1.23	4.11	4.38	.86	1.12	36.57
42	.43	2.39	.40	2.98	2.08	2.12	8.59*	2.60	7.99	8.71	.63	.15	*39.07
43	1.03	.10	1.39	1.71	3.48	3.72	4.22	1.88	3.70	.97	2.13	1.37	25.70
44	4.55	1.55	3.04	1.81	5.62	2.79	.18	3.03	2.60	1.02	3.65	3.06	32.90
45	2.61	3.91	5.86	1.48	.38	4.00	2.18	.97	2.99	4.30	.62	.86	30.16
46	3.05*	.52							8.84	1.57	1.49	2.11	
47	3.11	.19	1.50	.25	7.48	.01	.88	4.49	TRACE	.17	1.39	1.87	21.34
48	.42	1.56	.66	1.44	3.43	3.56	.40	1.46	1.55	2.10	.92	.12	17.62
49	2.85	4.16	1.23	10.23	.86	7.52	1.61	1.01	1.12	10.41	.03	3.76	44.81
50	.26	1.90	.17	3.42	3.46	3.34	.90	1.09	1.99	.31	.30	TRACE	17.14
51	.47	2.83	2.91	.54	5.26	3.55	TRACE	.37	3.59	1.17	1.30	.16	22.19
52	.60	2.17	2.39	4.77	3.54	3.88	2.91	TRACE	5.66	.00*	3.81	2.78	*32.51
53	.58	1.08	.37	2.84	.88	3.06	.02	4.53	6.26	2.54	.40	3.52	26.08
54	.66	.09	.07	1.79	1.75	2.33	1.16	.32	.62	1.19	.51	.14	10.63
55	1.74	4.66	1.51	.20	3.01	2.66	1.08	1.86	.69	.10	1.29	.79	19.59
56	1.04	1.10	.27	.27	2.45	.30	.05	4.81	.55	.93	1.50	2.65	15.92
57	.53	2.86	3.72	8.38	7.86	2.62	1.16	.12	9.57	4.20	2.67	.95	44.64
58	4.19	5.15	1.00	1.93	3.28	1.88	2.07	.37	5.97	5.62	1.58	.74	33.78
59	.61	2.46	.18	4.29	3.61	4.84	3.81	3.24	1.54	5.48	1.11	2.56	33.73
60	1.17	1.80	1.79	2.89	1.15	5.02	.82	4.39	.90	11.44	1.78	2.71	35.86
61	.65	1.72	.13	.44	.16	6.27	5.36	1.47	2.04	4.43	3.61	.59	26.87
62	.56	1.26	.69	3.60	1.14	1.58	TRACE	.68	3.09	.35	4.51	1.88	19.34
63	.47	3.31	.15	1.94	2.43	2.02	.48	.53	2.58	3.33*	2.93	1.11	*21.28
64	3.04	2.11	2.62	1.30	2.44	3.06	.16	3.33	3.44	1.93	4.04	1.89	29.36
65	2.20	6.73	2.37	2.18	6.65	1.06	.08	.38	3.11	4.43	3.57	5.20	37.96
66	1.28	2.49	1.30	2.25	2.61	1.45	.16	6.33	2.33	.40	TRACE	.22	20.82
67	.11	.36	2.34	.60	2.82	.02	3.51	1.27	10.84	2.26	4.10	1.33	29.56
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFB WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX STATION NAME 96-81 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	97.4	2.3	.2					.1						.3	1116	.1	5.0	.0
FEB	98.3	1.0	.2	.2	.2	.1								.7	989	.3	2.6	.0
MAR	99.7	.3													1085	TRACE	TRACE	.0
APR	99.9	.1													1050	TRACE	TRACE	.0
MAY	99.9	.1													1085	TRACE	TRACE	.0
JUN	100.0														1020	.0	.0	.0
JUL	100.0														1054	.0	.0	.0
AUG	100.0														1054	.0	.0	.0
SEP	100.0														1050	.0	.0	.0
OCT	100.0														1084	.0	.0	.0
NOV	99.3	.7													1047	TRACE	TRACE	.0
DEC	99.1	.8		.1										.1	1085	TRACE	.6	.0
ANNUAL	99.5	.4	.0	.0	.0	.0		.0						.1	12719	.4		

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 SNOWFALL

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

46-81
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	TRACE								.0	.0	.0	TRACE	
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
59	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0*	.0	TRACE	TRACE
64	TRACE	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6
65	.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
66	.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
67	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.8
68	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73	TRACE	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	TRACE	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

722536
STATION

RANDOLPH AFB TX
STATION NAME

46-81

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	TRACE	.0	TRACE
81	TRACE	.0	.0	.0	.0								
MEAN	.14	.25	TRACE	TRACE	TRACE	.00	.00	.00	.00	.00	TRACE	.02	.45
S. D.	.833	.650	.000	.000	.000	.000	.000	.000	.000	.000	.000	.101	1.070
TOTAL OBS	1116	989	1085	1050	1085	1020	1054	1054	1050	1084	1047	1085	12719

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXXXXX
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
 STATION STATION NAME

46-81

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	TRACE								.0	.0	.0	TRACE	
47	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
59	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
60	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	*TRACE
64	TRACE	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6
65	.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
66	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
67	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.9
68	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73	TRACE	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	TRACE	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

722536 STATION RANDOLPH AFB TX STATION NAME 46-81 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0	TRACE	.0	*TRACE
81	TRACE	.0	.0	.0	.0								
MEAN	.14	.25	TRACE	TRACE	TRACE	.00	.00	.00	.00	.00	TRACE	.02	.46
S. D.	.833	.658	.000	.000	.000	.000	.000	.000	.000	.000	.000	.101	1.081
TOTAL OBS	1116	989	1085	1050	1085	1020	1054	1054	1050	1084	1047	1085	12719

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS
 PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX 38-81
 STATION STATION NAME YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	98.9	.8	.2	.1		.1								.3	1333			
FEB	99.4	.3	.1	.2	.1									.3	1194			
MAR	99.9	.1													1302			
APR	100.0														1260			
MAY	100.0														1333			
JUN	100.0														1260			
JUL	100.0														1302			
AUG	100.0														1302			
SEP	100.0														1260			
OCT	100.0														1332			
NOV	99.8	.2													1287			
DEC	100.0														1333			
ANNUAL	99.8	.1	.0	.0	.0	.0								.0	15498			

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
 STATION STATION NAME

38-81 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
38					0	0	0	0	0	0	0	0	
39		0	0	0	0	0	0	0	0	0	0	0	
40	2	0	0	0	0	0	0	0	0	0	0	0	2
41	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0*	0											
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	5	0	0	0	0	0	0	0	0	0	0	0	5
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	TRACE	0	TRACE
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	TRACE	0	0	0	0	0	0	0	0	0*	0	0	TRACE
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	1	0	0	0	0	0	0	0	0	0	0	1
66	0	3	0	0	0	0	0	0	0	0	0	0	3
67	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIF WEATHER SERVICE/MAC

EXTREME VALUES
SNOW DEPTH

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
68	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
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	1	2	0	0	0	0	0	0	0	0	0	0	2
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	TRACE	0	TRACE
77	TRACE	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0*	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	.2	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.1
S. D.	.624	.566	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.021
TOTAL OBS	1333	1194	1302	1260	1333	1260	1302	1302	1260	1332	1287	1333	15498

NOTE * (BASED ON LESS THAN FULL MONTHS)

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 SURFACE WINDS

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX 48-81
 STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48					W #45S	#50SE	40SE	33SSE	*39NE	*39N	*43NE	*33	
49	N #35	S	*32NE	*43NW	36S	49E	35ENE	35E	30N	53NE	35WNW	44	
50	N 38N	39NE	39WNW	44NE	41ESE	34SE	30E	28NNW	33NE	27N	46NNW	43	N 46
51	NNW 44NE	38NE	42NNE	40SE	43NE	46E	30SSE	43SSE	48NE	34NNE	46N	35	SSE 48
52	N 42W	41NW	52N	35N	35NE	36NNW	37ESE	28ENE	36NE	34NNE	43NNW	34	NNW 52
53	NNE 42NNE	32N	37WSW	48N	33SE	30ESE	31ESE	29NNE	31WSW	40NNW	34NW	57	NW 57
54	NW 36NNW	49N	40NW	43NNW	36ENE	31SSE	*50N	49ESE	30NNE	36NNW	33N	41	SSE *50
55	NNW 41N	42NNW	43N	31NW	*33NNW	43N	47ENE	43E	33NNW	35NW	*43NNW	43	N 47
56	N 38NNW	44NNW	46SW	37WNW	65S	32SSE	35N	37SE	40ENE	42N	40N	43	WNW 65
57	SSE 39NNW	32WSW	49E	41ESE	33WSW	48NW	48SE	29N	32SE	30NNE	34NNE	34	WSW 49
58	NE 34WNW	38W	32NNW	29NNE	29NNW	31S	28S	29S	28NNE	28S	36N	32	WNW 38
59	S 34N	20N	30NNW	30E	35ESE	29SW	37NNE	34ENE	50WNW	27N	32NW	32	ENE 50
60	NNW 26NNW	42NNE	27N	37N	32NE	33NW	22SE	25N	29N	44N	30NNW	33	N 44
61	N 40NW	37NNW	32NNW	37N	33SSE	29SE	26NNE	41N	55N	*34NW	*34N	*39	N 55
62	N 39NW	29NNW	28SE	36NNW	35S	*31SSE	27N	35S	*25ENE	31N	*31W	*27	N 38
63	N 42N	36N	*36SE	*28E	37NNE	*39S	32SSE	*32SE	45W	33SE	*36NNE	*29	SE 45
64	NW *34N	41NNW	42N	35SE	31SE	*36NNE	*29ESE	*42SE	28NNE	34N	32NNE	34	NNW 42
65	W 33N	40N	29WNW	37S	47ESE	31ESE	29ESE	40SE	28SE	*28N	*25WNW	29	S 47
66	NNW*31SSE	*30N	*37E	*30NW	*36NE	29SSE	30NNE	33N	32N	28N	38NNW	37	N 38
67	NNE 28N	39N	34NW	39NNW	42S	30NW	38ESE	56E	32NNW	42NNW	38N	30	ESE 56
68	N 32NNW	35NNW	39N	34N	30WNW	3414/	2718/	4110/	3015/	3728/	3830/	37	18/ 41
69	2/ 33	3/ 30	29/ 40	8/ 29	27/ 48	14/ 35	5/ 28	13/ 33	16/ 29	14/ 28	36/ 31	34/ 30	27/ 48
70	36/ 32	1/ 30	32/ 32	32/ 35	34/ 32	33/ 35	26/ 13	24/ 36	50/ 16	35/ 35	31/ 1/	34/ 31	33/ 36
71	36/ 31	32/ 43	34/ 40	14/ 31	31/ 47	15/ 38	17/ 30	15/ 30	4/ 29	3/ 30	3/ 29	31/ 36	31/ 47
72	30/ 30	36/ 30	35/ 35	6/ 34	36/ 38	7/ 24	36/ 35	9/ 30	3/ 32	22/ 34	34/ 51	5/ 47	34/ 51
73	32/ 48	3/ 41	27/ 40	3/ 45	7/ 36	5/ 39	34/ 31	17/ 31	35/ 36	31/ 36	32/ 36	34* 42	32/ 48
74	25*	29/ 17	34/ 17	31/ 19	47/ 29	51/ 34	26/ 16	38/ 22	24/ 1/	24/ 35	31/ 2/	28/ 3/	29/ 51
75	35/ 40	32/ 36	31/ 38	14/ 43	26/ 34	16/ 30	9/ 21	14/ 25	36/ 27	2/ 27	35/ 32	32/ 31	14/ 43
76	36/ 37	30/ 34	4/ 32	15/ 39	34/ 30	15/ 21	20/ 28	9/ 20	35/ 33	36/ 30	36/ 30	1/ 36	15/ 39
77	1/ 34	29/ 38	30/ 32	36/ 36	33/ 32	18/ 35	16/ 25	26/ 32	16/ 42	2/ 31	36/ 33	1/ 32	16/ 42
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AF WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

72236 RANDOLPH AFB TX
STATION STATION NAME

48-81
YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	30/ 39	29/ 36	36/ 30	4/ 29	32/ 51	33/ 44	34/ 32	36/ 68	3/ 28	3/ 24	34/ 34	35/ 32	36/ 68
79	31/ 46	1/ 30	31/ 40	34/ 39	36/ 36	23/ 33	32/ 22	6/ 26	15/ 28	33/ 28	1/ 29		31/ 46
80	35/ 31	36/ 32	35/ 35	32/ 39	12/ 48	35/ 29	11/ 21	16/ 37	20/ 24	1/ 28	21/ 35	1/ 26	12/ 48
81	34/ 22	34/ 41	32/ 35	36/ 40	34/ 40								
MEAN	36.2	36.4	36.7	37.3	38.6	33.3	31.4	35.2	33.4	33.1	35.4	35.7	49.0
S.D.	5.994	5.778	6.193	5.265	8.086	7.260	6.582	10.315	7.570	6.244	5.719	6.766	7.632
TOTAL OBS	970	897	995	971	1029	965	1005	1011	966	995	949	986	11739

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 12836 RANDOLPH AFB TX STATION NAME 70,73-81 YEARS JAN
 CLASS ALL WEATHER MONTH 0000-0200
 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	2.0	4.3	4.1	2.8	1.1	.2						15.4	7.9
NNE	1.2	3.1	4.3	5.1	.2							13.9	8.9
NE	1.6	3.5	2.3	1.7								9.1	6.8
ENE	.3	1.3	1.0	.1								3.2	5.9
E	.4	.6	.2									1.3	4.3
ESE	.3	.1	.1									.5	4.4
SE		.3	.3	.1								.8	7.4
SSE		.9	.8	.3								1.9	7.1
S	1.2	3.4	2.4	.5								7.5	6.1
SSW	1.2	1.6	.6									3.4	4.6
SW	2.2	1.7	.3	.1								4.3	3.8
WSW	1.2	1.2	.5	.1								3.0	4.6
W	1.1	1.4	.4									2.9	4.1
WNW	.8	.2	.1									1.1	3.5
NW	1.0	.9	.4	.4								2.6	5.7
NNW	4.9	7.2	1.0	1.0	.2							14.2	5.0
VARBL													
CALM												14.8	
	20.1	32.3	18.8	12.3	1.5	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702936
 STATION

RANDOLPH AFB TX
 STATION NAME

70, 73-81
 YEARS

JAN
 MONTH

ALL WEATHER
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	6.5	4.5	3.7	.4	.3						19.5	7.5
NNE	1.3	2.8	5.2	4.7								14.0	9.0
NE	1.6	3.0	1.9	1.0								7.5	6.4
ENE	.1	1.0	1.1	.2								2.4	7.0
E	.7	.4	.1									.9	4.5
ESE	.2	.1	.1									.4	4.0
SE	.1	.5	.4									1.1	6.2
SSE	.1	.5	.3	.1								1.1	6.6
S	.9	2.2	1.0	.1								4.1	5.4
SSW	1.2	2.0	.5									3.8	4.5
SW	1.9	1.4	.2									3.5	3.5
WSW	1.5	1.3	.3	.1								3.2	4.4
W	1.9	1.2	.6	.4								4.2	4.8
WNW	.9	.5	.3	.1								1.8	4.8
NW	1.1	1.2	.6	.3								3.2	5.6
NNW	4.0	7.3	1.5	1.0	.2							14.0	5.3
VARBL													
CALM												15.4	
	21.2	31.0	18.8	11.7	.6	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AT WEATHER SERVICE/MAC

SURFACE WINDS

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

70236
 STATION

RANDOLPH AFB TX
 STATION NAME

7073-81
 YEARS

JAN
 MONTH
 0600-0800
 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	1.4	6.6	5.7	5.4	.6	.4						22.2	6.2
NNE	1.7	4.4	4.4	4.2	.3							15.1	8.3
NE	1.2	3.9	3.0	.9								8.9	6.4
ENE	.5	.9	.9	.2								2.5	6.6
E	.6	.5	.1	.1								1.5	4.6
ESE	.2	.1										.3	2.7
SE	.2	.3	.1									.6	4.3
SSE	.2	.4	1.0									1.6	6.5
S	1.3	1.4	.5									3.2	4.6
SSW	1.0	1.0	.2									2.2	4.1
SW	1.1	1.3	.2									2.6	4.0
WSW	1.5	1.4	.3									3.2	3.9
W	1.5	1.1	.2	.2	.2	.1						3.4	5.8
WNW	.5	.2	.6	.1								1.5	6.0
NW	1.6	1.5	.3	.1		.1						3.7	4.6
NNW	4.6	7.0	.6	.6	.3							13.2	4.7
VARBL													
CALM												14.3	
	21.5	31.0	18.3	11.8	1.5	.6						100.0	5.6

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)

702736
 STATION

RANDOLPH AFB TX
 STATION NAME

70,73-81
 YEARS

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	3.1	4.7	6.7	2.0	.5						20.2	10.1
NNE	.2	2.8	5.7	5.6	.2	.1						15.3	9.5
NE	.9	2.7	4.3	2.5	.1							10.4	8.4
ENE	.6	2.5	2.3	.6								6.0	6.8
E	1.3	1.3	.2	.1								2.6	4.4
ESE	.5	.6	.1									1.4	3.9
SE	.2	.6	.3	.2								1.4	6.5
SSE	.3	.5	.6	.2								1.7	6.9
S	1.3	3.0	2.3	1.1	.2							7.8	7.1
SSW	1.2	1.6	1.1	.4								4.3	5.7
SW	1.5	.8	.9	.2								3.3	5.2
WSW	1.1	2.2	1.8	.3	.1							5.5	6.4
W	.6	1.6	.5	.2	.2	.2						3.4	7.5
WNW	.1		.1	.4		.2						.9	14.3
NW	.3	.4	.4	.2	.1	.1						1.6	9.0
NNW	1.3	.3	1.0	1.5	.2	.1	.1					4.9	9.0
VARB													
CALM												9.1	
	15.2	24.4	26.3	20.3	3.2	1.3	.1					100.0	7.4

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 2536 RANDOLPH AFB TX STATION NAME 70,73-81 YEARS JAN
 CLASS ALL WEATHER MONTH 1200-1400
 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	.0	2.3	3.8	5.8	2.6	.9						16.1	12.2
NNE	.9	2.2	3.9	5.3	.1							12.3	9.5
NE	.2	2.4	4.1	2.7								9.4	8.8
ENE	.9	2.0	3.2	.3	.1							6.6	7.0
E	1.3	2.7	1.1									5.1	5.0
ESE	.4	.9	.1									1.3	4.3
SE	.5	1.0	.8	.2								2.5	5.8
SSE	.3	1.1	1.1	.3								2.8	7.1
S	1.3	2.2	4.7	3.4	.1	.1						11.8	8.8
SSW	.5	3.0	2.9	1.2	.1							7.7	7.3
SW	.5	1.9	2.9	1.0								6.3	7.6
WSW	.3	1.6	1.8	.9								4.6	7.7
W	.3	.8	.5	.5	.3							2.5	9.4
WNW		.5		.5		.1						1.2	10.3
NW	.2	.6	.5	.5	.1	.1	.1					2.3	10.4
NNW	.5	.8	.8	.9	.1	.4						3.4	10.5
VARBL													
CALM												4.2	
	9.1	25.7	32.2	23.5	3.5	1.6	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 930

2
 JOURNAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72536 STATION RANDOLPH AFB TX STATION NAME 72,73-81 YEARS JAN MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	3.1	5.5	2.4	.1						13.5	11.8
NNE	1.0	2.4	5.8	3.7								12.8	8.7
NE	1.2	2.7	3.4	2.3	.3	.1						10.0	8.2
ENE	1.0	1.8	3.0	.2								6.0	6.3
E	1.3	2.9	1.6	.1								6.5	5.1
ESE	.6	1.7	.2									2.6	4.5
SE	.6	1.5	1.1	.4								3.7	6.6
SSE	.5	1.0	1.4	.6								3.5	7.2
S	1.2	3.7	5.3	2.5								12.6	7.6
SSW	1.1	2.7	2.8	.6								7.2	6.7
SW	.5	3.7	2.5	.6								7.3	6.6
WSW	.2	.3	1.7	.3								3.0	7.9
W	.4	.9	.8	.3	.2							2.6	7.8
WNW		.2	.4	.5								1.2	9.9
NW	.3	.2	.5	.2	.2	.1						1.6	9.9
NNW	.2	.6	1.2	1.1	.3	.4	.1					4.0	11.8
VARBL													
CALM												1.9	
	11.9	28.0	34.8	19.0	3.4	.8	.1					100.0	8.0

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)

702536
 STATION

RANDOLPH AFB TX
 STATION NAME

70.73-81
 YEARS

JAN
 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	1.0	2.7	3.4	4.2	.4	.4						13.1	9.6
NNE	1.1	2.2	4.6	3.9	.1							11.8	9.0
NE	2.2	4.2	4.1	1.7								12.2	6.8
ENE	1.6	3.7	2.0	.1								7.4	5.4
E	1.5	2.3	.4									4.3	4.1
ESE	1.5	.6	.1	.2								2.8	3.9
SE	1.5	2.3	.8									4.5	4.5
SSE	.8	2.5	1.9	.9								6.0	6.9
S	2.4	4.4	1.5									8.3	4.8
SSW	2.2	3.0	.3									5.5	4.0
SW	1.6	1.7	.2									3.5	3.8
WSW	.3	1.2	.2									1.7	5.0
W	.9	.9		.1								1.7	4.3
WNW		.6										.6	4.5
NW	.4	.3	.2	.5	.1							1.6	8.7
NNW	.8	1.5	1.1	.5	.1							4.0	6.7
VARB													
CALM												10.9	
	20.7	34.0	21.0	12.2	.8	.4						100.0	5.8

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)

702536 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 YEARS JAN MONTH
 ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.8	5.4	3.1	3.7	.6	.1						16.7	7.4
NNE	1.9	2.2	3.9	4.7	.6							13.3	9.1
NE	1.0	2.5	3.2	1.7	.1							6.5	8.0
ENE	1.4	3.1	1.1	.2								5.8	5.2
E	1.1	.5	.3									2.0	4.2
ESE	.3	.2	.2	.1								.9	5.6
SE	.6	1.3	.5									2.5	5.1
SSE	.6	1.7	1.0									3.3	5.4
S	2.6	4.4	1.7	.2								8.9	5.0
SSW	.9	3.2	.5									4.4	4.6
SW	1.7	1.5	.4									3.2	4.0
WSW	1.1	1.1	.1									2.3	3.9
W	.5	.9	.2									1.6	4.6
WNW	.2	.3	.5									1.1	5.7
NW	.4	.5	.2	.2								1.4	5.8
NNW	2.8	3.2	1.2	.5	.4							6.2	5.6
VARB													
CALM												15.9	
	20.5	31.7	18.3	11.4	1.8	.1						100.0	5.4

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)

72236 STATION RANDOLPH AFB TX STATION NAME 70,73-81 YEARS JAN 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 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	4.1	4.7	1.3	.4						17.1	9.2
NNE	1.2	2.7	4.7	4.6	.2	.0						13.5	9.0
NE	1.2	3.1	3.3	1.8	.1	.0						9.5	7.5
ENE	.8	2.1	1.8	.3	.0							5.0	6.2
E	1.0	1.4	.5	.0								3.0	4.7
ESE	.5	.5	.1	.0								1.3	4.2
SE	.5	1.0	.5	.1								2.1	5.6
SSE	.4	1.1	1.0	.3								2.8	6.7
S	1.5	3.1	2.4	1.0	.0	.0						8.0	6.6
SSW	1.1	2.2	1.1	.3	.0							4.8	5.5
SW	1.3	1.7	1.0	.2								4.3	5.2
WSW	.9	1.3	.9	.2	.0							3.3	5.7
W	.9	1.1	.4	.2	.1	.0						2.8	6.1
WNW	.3	.3	.3	.2	.0							1.2	7.1
NW	.7	.7	.4	.3	.1	.1	.0					2.2	7.0
NNW	2.4	3.5	1.0	.9	.2	.1	.0					8.2	6.2
VARBL													
CALM												10.8	
	17.6	30.0	23.6	15.3	2.1	.7	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7440

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

70236 STATION RANDOLPH AFB TX STATION NAME 70,73-81 YEARS FEB MONTH 0000-0200 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	1.0	4.5	3.9	2.4	.7							13.2	6.0
NNE	1.7	2.1	1.9	3.0	.1							8.7	8.4
NE	.6	2.2	1.8	.9								5.6	7.1
ENE	.5	1.5	.9	.1								3.4	5.5
E	.4	.8	.9									2.1	5.9
ESE	.4	.7	.5									1.5	5.5
SE	.9	1.4	1.1									3.4	5.2
SSE	1.4	2.9	1.9	.4								6.5	5.7
S	3.2	6.1	4.5	.6	.1							14.3	6.0
SSW	1.3	3.7	.6	.2								5.8	5.2
SW	1.2	1.7	.5									3.3	4.4
WSW	1.7	.9	.4									3.0	3.5
W	.5	.5	.2	.2								1.4	5.5
WNW	.2	.6	.9									1.8	6.1
NW	.6	1.2	.8	.1	.1							2.8	6.3
NNW	2.2	4.1	2.1	.8	.1							9.3	5.9
VARBL													
CALM												13.7	
	13.6	34.9	22.9	8.7	1.2							100.0	5.4

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)

722-36 STATION RANDOLPH AFB TX STATION NAME 70.73-81 YEARS FEB MONTH 0300-0500 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	1.7	5.8	4.6	2.8	.7	.2						16.0	6.2
NNE	.9	2.8	3.1	3.2	.4	.1						10.5	8.7
NE	.9	2.2	1.5	.5								5.2	6.1
ENE	.5	1.1	.8	.1								2.5	5.6
E	.7	.6	.4	.1								1.8	5.1
ESE		.4		.1								.5	6.5
SE	.4	1.1	.4	.2								2.0	6.1
SSE	.8	1.9	1.1									3.7	5.3
S	1.8	4.4	3.3	.2								9.7	5.6
SSW	2.1	1.9	.8									4.9	4.4
SW	1.1	1.4	.2									2.7	3.8
WSW	2.4	2.1	.4									4.9	3.7
W	1.8	1.5	.6	.1								4.0	4.5
WNW	.5	.2	.2	.1								1.1	5.2
NW	.9	1.5	.1	.1	.1							2.8	4.9
NNW	3.6	4.9	2.4	.4	.7							11.8	5.9
VARBL													
CALM												16.0	
	20.1	33.7	19.9	8.0	1.9	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

2236 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 YEARS FEB MONTH
 ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.0	5.2	5.7	2.5	.6							17.1	7.1
NNE	1.4	3.7	3.3	3.3	.4							11.3	8.6
NE	.7	2.2	1.5	.7								5.2	6.7
ENE	1.2	2.1	.7	.2								4.1	5.1
E	.5	1.1	.4	.1								2.1	5.1
ESE	.3	.6	.1									1.5	3.5
SE		.3	.4									1.2	6.3
SSE	.0	.7	.7									2.4	5.0
S	1.1	4.4	3.0	.5								6.9	6.1
SSW	.7	2.4	.2	.1								3.4	4.6
SW	1.5	1.8										3.3	3.7
WSW	1.7	1.3	.6		.1							3.7	4.5
W	1.0	2.5	.7	.4	.1							5.6	5.1
WNW	.5	.4	.1	.1								1.2	4.1
NW	.0	.7	.2	.1								2.0	4.5
NNW	4.1	6.4	2.8	.6	.2							14.2	5.4
VARBL													
CALM												12.8	
	22.1	35.3	19.7	8.6	1.4							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 346

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

70-36 STATION ANDOLPH AFB TX STATION NAME 70-73-81 YEARS FEB MONTH 1960-1100 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	1.2	2.2	4.0	6.4	1.5							15.4	10.6
NNE	1.1	2.1	4.0	3.7	.2	.1						11.2	9.2
NE	.4	3.5	2.5	1.4								7.8	7.4
ENE	1.5	2.7	2.0	.1								6.4	5.6
E	.9	2.6	.7									4.3	4.9
ESE	.6	.8	.5									1.9	5.0
SE	.5	1.2	.6	.1								2.4	5.7
SSE	.1	1.9	1.4	.4								3.7	7.0
S	.5	2.5	4.1	2.0								7.1	8.4
SSW	.4	3.9	4.4	.8								9.3	7.3
SW	.4	2.8	3.3	.1								6.6	6.6
WSW	.5	2.5	1.9	.8								5.7	6.9
W	.5	1.3	1.7	.1	.1							3.7	6.8
WNW	.4	.1	.4			.1						.9	7.6
NW	.5	.2	.6	.6								1.9	8.1
NNW	.7	.9	1.1	1.7	.4							4.7	9.3
VARBL													
CALM												5.1	
	7.9	31.2	33.1	18.2	2.2	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 646

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 36 RANDOLPH AFB TX STATION NAME 70.73-81 YEARS FEB
 CLASS ALL WEATHER MONTH 1200-1400
 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	.2	1.5	2.8	5.0	1.9	.1						12.6	12.0
NNE	.4	2.1	2.8	2.6	.6							3.5	9.6
NE	.3	1.9	3.0	1.4	.1							7.2	8.0
ENE	.6	1.9	1.9	.4								4.7	6.9
E	.6	2.4	2.1	.5	.1							5.7	7.1
ESE	.4	1.2	.5									2.0	5.2
SE	.9	2.0	1.1	.4								4.4	5.8
SSE	.2	1.4	1.1	.8	.1							3.7	8.1
S	1.4	2.7	6.9	4.1	.5	.1						15.7	9.1
SSW	.4	1.7	5.6	2.4								9.9	8.8
SW	.1	1.9	3.5	1.3								6.9	8.4
WSW	.5	1.1	1.4	1.1								4.0	8.0
W	.2	.9	.5	.8	.1	.1	.1					2.3	10.1
WNW	.1	.4		.2	.2							.9	9.4
NW	.4	.5	.9	.7	.8	.2						3.5	11.7
NNW	.2	.2	1.2	2.0	.5	.1						4.3	12.0
VARBL													
CALM												3.1	
	7.4	23.8	35.2	24.7	5.0	.7	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 846

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

202-36 STATION RANDOLPH AFB TX STATION NAME 70.73-61 YEARS FEB 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	48-53	≥56	%	MEAN WIND SPEED
N	.0	1.7	4.6	6.1	1.1	.1						14.1	11.2
NNE	.1	.3	1.9	2.1	.4							5.3	10.7
NE	.3	2.2	2.6	.5	.1							6.3	7.1
ENE	.6	2.6	2.0	1.5	.1							6.9	7.8
E	.2	3.4	.9									5.2	5.2
ESE	.6	1.4	.7									2.7	5.0
SE	.8	1.3	.8	.7	.1							4.3	6.9
SSE	.9	2.2	3.0	1.9	.1							8.2	8.3
S	1.2	5.1	7.9	4.6	.1							18.9	8.4
SSW	.1	1.8	4.1	1.9								7.9	8.5
SW	.6	1.9	2.2	.1	.1							5.0	7.0
WSW	.2	.8	1.7	.8								3.5	8.4
W	.7	.1	.8	.7	.2	.1						2.7	9.8
WNW		.1	.1	.2	.1	.2						.8	15.1
NW		.4	.2	.7	.6							1.9	12.6
NNW	.2	.4	1.1	1.2	1.3	.1						4.3	13.1
VARBL													
CALM												2.1	
	8.3	26.7	34.8	23.2	4.4	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

702036
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

FEB
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	1.2	3.2	3.8	3.7	.7	.1						12.4	9.5
NNE	.2	1.2	2.1	2.6								6.1	9.5
NE	1.2	2.5	1.5	.7	.1							6.0	6.3
ENE	1.1	4.4	1.4	.2								7.1	5.5
E	2.1	3.7	.9									6.7	4.5
ESE	1.5	1.8	.7	.1								4.1	4.7
SE	1.3	4.1	2.7	.5	.1	.1						8.9	6.3
SSE	1.5	4.9	5.1	2.0	.1							13.6	7.2
S	3.3	7.4	2.8	.7								14.3	5.3
SSW	1.4	2.1	.6									4.1	4.9
SW	.7	.8	.1									1.7	4.0
WSW	.5	.5	.2									1.2	4.4
W	.6	.7	.5	.4								2.1	6.6
WNW		.1	.4	.1								.6	9.2
NW	.2	.2	.2	.4								1.1	7.8
NNW	.6	1.4	1.3	.8								4.1	7.3
VARBL													
CALM												5.8	
	17.5	38.9	24.5	12.2	1.1	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 846

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AT WEATHER SERVICE/MAC

SURFACE WINDS

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

70236 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 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	48-55	≥56	%	MEAN WIND SPEED
N	2.7	4.1	2.8	2.7	.9	.2		.1				13.5	8.5
NNE	1.4	2.7	2.0	2.8	.2							8.5	8.4
NE	.8	2.2	3.1	.5								6.6	6.7
ENE	.9	1.4	.6	.1								3.1	5.1
E	1.7	2.4	.2									3.9	4.1
ESE	.4	1.8	.5	.1								2.7	5.8
SE	1.1	2.7	2.0	.6		.1						5.8	6.7
SSE	.6	5.4	4.8	.6	.1							11.6	7.0
S	1.7	6.5	5.4	1.2								14.8	6.5
SSW	.5	1.4	.4									2.2	4.8
SW	1.1	.6	.1									1.9	3.3
WSW	.7	.5										1.2	2.3
W	.6	.8	.1	.2								1.8	5.1
WNW	.2	.4	.6	.1								1.3	6.5
NW	.9	.4	.4	.1								1.8	4.7
NNW	1.5	2.5	.5	.2	.2							5.0	5.6
VARBL													
CALM												14.5	
	16.2	34.4	23.5	9.3	1.5	.4		.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 846

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AT WEATHER SERVICE/MAC

SURFACE WINDS

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

TWE 36 STATION RANDOLPH AFB TX STATION NAME 70,73-81 YEARS FEE 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	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.5	3.9	4.1	1.0	.1		.0				14.3	9.3
NNE	.9	2.7	2.6	2.9	.3	.0						8.8	9.0
NE	.3	2.4	2.2	.8	.0							6.2	7.0
ENE	.9	2.2	1.3	.4	.0							4.6	6.0
E	.9	2.1	.9	.1	.0							4.0	5.3
ESE	.6	1.1	.4	.0								2.1	5.0
SE	.7	1.9	1.1	.3	.0	.0						4.0	6.2
SSE	.8	2.6	2.4	.8	.1							6.6	7.0
S	1.7	4.9	4.7	1.7	.1	.0						13.2	7.1
SSW	.9	2.3	2.1	.7								6.0	6.7
SW	.9	1.6	1.3	.2	.0							3.9	6.0
WSW	1.7	1.2	.8	.3	.0							3.4	5.7
W	.9	1.0	.6	.4	.1	.0	.0					3.0	6.5
WNW	.3	.3	.3	.1	.0	.0						1.1	7.4
NW	.6	.6	.4	.4	.2	.0						2.2	7.7
NNW	1.7	2.6	1.6	1.0	.4	.0						7.2	7.1
VARBL													
CALM												9.1	
	15.0	32.3	26.7	14.1	2.3	.3	.0	.0				170.0	6.6

TOTAL NUMBER OF OBSERVATIONS 6767

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 222036 STATION NAME RANDOLPH AFB TX YEARS 70-73-81 MAC MONTH 0000-0200
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	4.3	2.3	1.9	.9							11.3	7.8
NNE	1.9	2.5	3.3	3.5								11.3	8.1
NE	2.0	2.6	1.7	.3	.1							6.8	5.7
ENE	1.0	1.0	.6									2.0	4.6
E	1.2	1.4	.4									3.0	4.3
ESE	.3	1.1	.4									1.8	5.0
SE	.9	1.7	2.9	.6	.1							6.2	7.2
SSE	1.3	3.0	5.4	1.9								11.6	7.7
S	2.6	5.4	6.1	1.8								15.9	6.8
SSW	.8	1.5	.6									2.9	4.8
SW	.6	1.4	.3									2.4	4.5
WSW	.5	1.3	.2									2.0	4.6
W	.5	.5	.3	.1								1.5	5.0
WNW	.6		.3	.3								1.3	6.8
NW	1.1	.4	.2	.3	.1							2.2	5.9
NNW	1.7	3.8	1.3	.4	.1							7.3	5.7
VARB													
CALM												9.9	
	12.0	31.8	26.6	11.4	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

2
 FEDERAL CLIMATOLOGY BRANCH
 WAFB/FETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

722936 RANDOLPH AFB TX 70,73-81
 STATION STATION NAME YEARS
 ALL WEATHER CLASS
 0300-0500 MONTH
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.6	2.9	2.2	.9							12.7	7.8
NNE	2.0	2.8	3.1	2.8								10.8	7.6
NE	1.3	1.9	1.3	.3	.1							4.9	5.9
ENE	.5	1.2										1.7	3.9
E	1.1	1.7	.1									2.9	3.9
ESE	.5	1.2	.4									2.2	4.7
SE	.8	1.9	1.8	.2								4.7	6.0
SSE	.9	1.6	2.8	1.2								6.3	7.6
S	1.5	4.0	4.7	1.5								11.7	7.1
SSW	.8	2.0	1.3	.1								4.2	5.9
SW	1.5	.9	.5									2.9	4.3
WSW	.8	.9										1.6	3.5
W	1.2	.6	.3	.1								2.3	4.6
WNW	.6	1.0	.4	.1	.1							2.3	6.1
NW	1.5	1.3	.6	.1	.1							3.7	5.1
NNW	3.0	5.8	2.2	.3	.1							11.4	5.2
VARBL													
CALM												13.8	
	20.0	33.4	22.6	8.9	1.3							100.0	5.4

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 22-36 RANDOLPH AFB TX STATION NAME 70.73-81 YEARS MAP
 CLASS ALL WEATHER MONTH 0600-0800
 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	3.0	4.0	4.1	2.5	.6							14.2	7.4
NNE	1.0	2.0	2.9	3.4								9.4	8.9
NE	1.3	2.6	1.9	.3	.1							6.2	6.1
ENE	1.3	1.5	.4									3.2	4.4
E	1.2	2.2	.3									3.7	4.5
ESE	1.0	.6	.9	.1								2.6	5.3
SE	.9	.8	1.5	.4								3.4	6.8
SSE	.8	1.3	2.2	.9		.1						5.2	8.0
S	1.1	3.3	3.7	.9								8.9	6.8
SSW	1.1	1.6	.4	.2								3.2	5.2
SW	1.1	2.0	.2									3.3	4.3
WSW	1.2	1.0	.5									2.7	4.1
W	1.4	1.3	1.3									4.0	5.0
WNW	.4	1.2	.6	.2								2.5	5.9
NW	.7	.8	.8	.2								2.6	5.8
NNW	2.8	5.3	2.2	1.0	.2	.1						11.5	6.1
VARBL													
CALM												13.4	
	20.0	31.4	23.9	10.1	1.0	.2						100.0	5.6

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)

72-36 STATION RANDOLPH AFB TX 70,73-81 YEARS MAR MONTH
 0900-1100 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.4	2.9	4.8	.9							11.7	10.4
NNE	.5	1.4	2.0	5.3	.1							9.4	10.5
NE	.9	2.9	1.6	2.9	.3	.1						6.7	9.0
ENE	.6	2.3	1.3	.8								4.9	6.7
E	1.1	1.8	2.2	.3								5.4	6.2
ESE	.3	.9	1.3	.3								2.7	7.1
SE	.5	1.2	1.4	.9								4.0	7.6
SSE	1.0	1.2	2.5	2.5	.1							7.2	8.8
S	.5	3.2	6.3	3.8	.3							14.3	8.7
SSW	.4	1.3	3.4	1.5	.1							6.8	8.7
SW	.2	1.8	2.8	.5								5.4	7.3
WSW	.6	.9	1.4	.2	.1							3.2	7.1
W	.3	.8	1.1	.4								2.6	7.6
WNW	.2	.4	.6	.6	.1							2.0	9.1
NW	.2	.4	1.0	1.4	.1							3.1	10.0
NNW	.5	.6	1.5	1.7	.4	.1						4.9	10.5
VARBL													
CALM												3.7	
	8.9	23.3	33.3	28.0	2.6	.2						100.0	8.4

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 722536 STATION NAME RANDOLPH AFB TX YEARS 70, 73-81 MAP MONTH 1200-1400
 CLASS ALL WEATHER
 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	1.2	3.7	3.5	.9	.1						9.9	10.9
NNE	.2	.6	1.9	2.3	.1							5.2	10.2
NE	.2	1.9	2.3	2.5	.2							7.0	9.5
ENE	.2	1.7	2.9	.8								4.6	8.3
E	1.1	2.6	2.3	.4								6.3	6.5
ESE	.4	.6	1.7	.3								3.1	7.3
SE	.3	1.0	2.5	1.7	.1							5.6	9.1
SSE	.5	1.2	3.1	4.2	.3							9.4	10.3
S	.6	2.6	6.3	6.7	.1							16.3	9.7
SSW	.8	1.1	3.7	1.7								7.2	8.7
SW	.2	1.4	2.3	.2								4.1	6.9
WSW	.5	1.6	.9	.3	.1	.1						3.5	7.0
W	.3	1.0	.4	.8	.4	.3						3.2	10.8
WNW		.2	.3	.8	.6							1.9	13.7
NW	.1	.5	.6	2.6	.3							4.2	11.9
NNW	.2	1.0	1.5	1.7	.8	.1						5.3	11.0
VARBL													
CALM												2.9	
	6.3	19.4	36.3	30.4	4.0	.6						100.0	9.2

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 702536 RANDOLPH AFB TX STATION NAME 70,73-81 YEARS MAR
 CLASS ALL WEATHER MONTH 1500-1700
 CONDITION _____ HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	3.2	3.4	.6	.1						9.0	10.7
NNE	.1	1.2	2.3	2.5	.3							6.3	10.2
NE	.1	1.0	1.9	2.3		.1						5.4	9.7
ENE	.5	2.0	2.0	1.0								5.6	7.1
E	.5	1.6	2.0	.5								4.7	7.2
ESE	.2	1.5	1.6	.4								4.3	6.7
SE	.1	1.6	4.8	2.9	.5							10.0	9.7
SSE	.5	2.5	4.9	6.3	.3							14.6	10.0
S	.9	1.4	5.6	4.8	.1							12.8	9.4
SSW	.2	1.6	2.9	.9								5.6	8.3
SW	.5	2.4	1.7	.3								4.9	6.6
WSW	.1	.2	.8	.5	.4	.2						2.3	12.1
W	.2	.2	.8	.4	.2	.4						2.3	12.4
WNW	.1	.1	1.1	.6	.1							2.0	10.5
NW	.2	.5	1.0	1.6	.1	.1						3.5	11.1
NNW		.5	1.1	2.6	.9							5.1	12.7
VARBL													
CALM												1.5	
	5.2	19.8	37.7	31.2	3.7	1.0						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
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	.0	3.3	3.5	2.4	.1							13.2	8.1
NNE	1.0	2.6	1.8	2.4	.3							8.1	8.5
NE	.9	3.7	1.2	1.7	.1							7.5	7.4
ENE	1.0	1.7	1.6	.3								4.6	6.0
E	1.7	3.7	.8	.2								5.9	5.2
ESE	1.7	3.7	1.8	.8								8.0	5.3
SE	1.4	4.5	6.3	4.4	.1							16.8	8.3
SSE	.5	1.8	6.6	4.2	.2							13.3	9.3
S	1.1	3.2	3.0	.1								7.4	6.2
SSW	.6	1.5	1.0	.1								3.2	5.5
SW	.8	1.4	.5									2.7	4.8
WSW	.4	.1	.1	.1	.1							.9	6.6
W	.3	.9	.4	.3	.2							2.2	7.8
WNW		.4	.6	.4	.1	.1						1.7	10.1
NW		.3	.3									.6	9.0
NNW	.1	.9	1.3	1.1								3.3	9.2
VARBL													
CALM												3.5	
	11.7	33.7	30.6	18.8	1.3	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930

CLIMATE CLIMATOLOGY BRANCH
 USAFCTAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 702536 STATION NAME RANDOLPH AFB TX YEARS 70,73-81 MONTH MAF
 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	1.7	3.2	2.6	2.2	.3							9.3	7.9
NNE	1.7	2.3	1.9	2.4	.4							8.7	8.2
NE	1.2	2.8	1.5	1.7								7.2	7.3
ENE	.9	2.3	.5									3.7	4.7
E	1.9	1.9	1.0	.1								4.9	4.5
ESE	1.1	1.5	1.5	.2								4.3	6.1
SE	1.2	3.8	5.2	1.7		.1						11.9	7.6
SSE	1.3	5.1	6.6	3.7	.1							16.7	8.0
S	.2	4.7	4.6	1.1	.1							11.4	7.0
SSW	.6	.4	.4									1.5	4.7
SW	.2	.5	.4									1.2	5.6
WSW	.3	.8										1.1	3.8
W	.2	1.1	.3									1.7	4.9
WNW		.3	.4	.4								1.2	9.1
NW	.4	.2	.1	.1		.1						1.0	7.8
NNW	1.1	3.1	.6	.4	.1							5.4	5.6
VARBL													
CALM												8.4	
	14.1	34.5	27.7	14.0	1.1	.2						100.0	6.5

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)

1236 STATION ANDOLPH AFB TX STATION NAME 7073-81 YEARS MAC
 MONTH ALL
 CLASS ALL WEATHER
 HOURS (L.S.T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.1	3.1	2.9	.6	.0						11.1	6.9
NNE	1.1	1.9	2.4	3.1	.2							8.6	8.9
NE	1.3	2.4	1.7	1.5	.1	.0						6.7	7.6
ENE	.5	1.6	1.2	.3								3.9	6.1
E	1.2	2.1	1.1	.2								4.6	5.5
ESE	.6	1.4	1.2	.3								3.6	6.1
SE	.7	2.1	3.3	1.6	.1	.0						7.8	6.1
SSE	.4	2.2	4.2	3.1	.1	.0						10.5	6.8
S	1.2	3.5	5.1	2.6	.1							12.4	7.9
SSW	.6	1.4	1.7	.6	.7							4.3	7.2
SW	.6	1.5	1.1	.1								3.4	5.9
WSW	.6	.8	.5	.1	.1	.0						2.2	6.4
W	.5	.8	.6	.3	.1	.1						2.5	7.4
WNW	.3	.5	.6	.4	.1	.2						1.9	8.3
NW	.6	.6	.5	.8	.1	.0						2.6	8.6
NNW	1.2	2.6	1.5	1.2	.3	.0						6.9	7.5
VARBL													
CALM												7.1	
	13.2	28.4	29.9	19.1	2.0	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7440

2
 JOURNAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 70236 STATION NAME ANDOLPH AFB TX YEARS 70, 73-81 MONTH APR
 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	2.4	4.4	1.1	1.7								9.7	5.9
NNE	1.3	2.6	2.7	.8								6.7	6.4
NE	.9	.9	1.8									3.4	6.1
ENE	.6	.9	.4									1.9	4.8
E	.8	1.3	.6									2.7	5.0
ESE	1.1	1.7	.8									3.6	4.7
SE	2.3	6.0	3.0	.6								11.9	5.7
SSE	2.4	6.7	7.0	1.9	.2							18.3	7.0
S	1.8	5.6	4.8	1.2	.1		.1					13.4	6.7
SSW	.1	1.3	.4	.2								2.6	6.4
SW	1.2	1.3										2.3	3.3
WSW	.2	.4										.7	3.7
W	.1	.4	.3									.9	5.4
WNW	.1	.3										.4	4.0
NW	.2	.1	.6	.1								1.7	5.0
NNW	1.0	4.2	.8	.4	.1							7.4	5.3
VARBL													
CALM												12.4	
	14.2	38.3	23.6	6.9	.4		.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)

72236 RANDOLPH AFB TX 70,73-81 APR
 STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	5.9	3.1	1.6	.2							14.4	6.1
NNE	.4	2.3	2.7	1.1	.1							7.0	7.5
NE	1.4	1.7	1.1	.4								4.6	5.8
ENE	.4	1.1		.1								1.7	4.5
E	.0	1.4	.8									3.0	5.0
ESE	1.1	1.6	1.0		.1							3.8	5.4
SE	1.2	3.7	1.6	.1								7.1	5.1
SSE	1.6	4.6	4.6	.7								11.3	6.5
S	2.1	5.8	3.8	1.4								13.1	6.2
SSW	.4	1.6	.6	.1								2.7	5.4
SW	1.0	.6	.1	.1								1.8	4.2
WSW	1.0	.4	.3									1.8	4.2
W	.6	.4	.7									1.7	5.7
WNW	.3	.1	.2	.1								.8	5.9
NW	.9	.6	.2	.2								1.9	5.0
NNW	2.7	6.1	1.7	.1								10.6	4.9
VARBL													
CALM												12.9	
	20.4	37.8	22.3	6.1	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 722536 RANDOLPH AFB TX STATION NAME 70.73-81 YEARS APP
 MONTH 0600-0800
 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	4.3	4.1	3.6	2.0	.1							14.1	6.2
NNE	1.2	2.4	4.2	.7								8.6	7.1
NE	1.0	2.0	2.3	.8	.1							6.2	7.0
ENE	1.1	1.7	.7	.3								3.8	5.4
E	1.6	1.3	.9	.1								3.9	4.9
ESE	2.1	1.6	1.1									4.9	4.5
SE	1.3	3.4	3.2	.2								8.2	6.2
SSE	1.0	4.9	4.0	.6								10.4	6.4
S	.4	3.7	4.4	.7								9.6	7.0
SSW	.3	1.2	.4	.2								2.2	6.2
SW	.8	1.2	.3									2.3	4.2
WSW	.8	1.2										2.0	3.7
W	1.3	1.1	.1									2.6	3.4
WNW	.4	.4		.3								1.2	6.0
NW	.4	.4	.4									1.3	5.5
NNW	2.1	3.7	1.4	.4	.2							7.9	5.8
VARBL													
CALM												10.9	
	20.7	34.4	27.2	6.3	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 02 36 STATION NAME RANDOLPH AFB TX YEARS 70,73-81 MONTH APR
 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	.6	1.4	3.9	3.2	.3							9.4	9.8
NNE	.4	.3	3.2	3.4								7.9	10.2
NE	.7	1.4	2.6	1.6	.2							6.4	8.5
ENE	1.2	1.4	2.4	.4								5.9	6.5
E	1.2	3.7	1.4	.4								6.1	5.8
ESE	.7	1.7	2.6		.1							5.0	6.6
SE	1.1	2.6	2.2	1.9	.2							8.0	7.8
SSE	.7	2.3	8.6	4.1	.1							15.8	9.1
S	.7	4.8	8.3	3.9	.6							18.2	8.8
SSW	.9	.9	2.6	.8								5.0	7.9
SW	.1	1.4	.6	.2								2.3	6.6
WSW	.3	.3	.1	.1								1.3	5.4
W	.3	.3	.4	.2								1.3	6.6
WNW			.4	.1	.1	.1						.8	12.3
NW		.3			.2							.6	11.4
NNW	.1	.7	.8	1.2	.6	.3						3.7	12.0
VARBL													
CALM												2.2	
	2.9	24.2	40.1	21.7	2.4	.4						100.0	8.3

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)

702936 RANDOLPH AFB TX 70,73-81 APP
STATION STATION NAME YEARS 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 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	2.7	2.4	.4							7.9	9.6
NNE	.1	1.3	2.3	1.7	.1							5.6	8.9
NE	.3	1.6	1.9	1.8								5.6	8.7
ENE	.7	1.4	1.8	.4								4.3	6.7
E	1.1	1.9	2.1	.1								5.2	6.1
ESE	.7	2.0	1.9	.7								5.1	6.8
SE	1.1	3.9	4.3	1.9	.1							11.3	7.6
SSE	.8	3.4	9.8	5.2	.4							18.7	9.2
S	1.1	4.7	9.7	5.1	.1							20.7	8.6
SSW	.2	1.6	2.0	.3								4.1	7.3
SW	.4	1.2	.2	.1								2.0	5.4
WSW	.1	.4	.6									1.1	6.3
W	.1	.3	.2									.7	5.8
WNW	.2	.1		.8								1.1	9.9
NW		.1	.4	.2	.1							.9	10.1
NNW	.3	1.0	.9	1.0	1.2							4.4	11.6
VARBL													
CALM												1.3	
	7.6	27.1	39.7	21.8	2.6							100.0	8.3

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)

72236 STATION RANDOLPH AFB TX STATION NAME 70.73-81 YEARS APR MONTH
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.3	2.2	2.1	.8							6.9	10.2
NNE	.3	2.7	1.9	.8	.1							5.6	7.3
NE	.3	.7	1.6	1.2								3.8	9.1
ENE	.4	1.7	2.6	.4								5.1	7.1
E	1.0	2.4	2.9	.6								6.9	6.9
ESE	.8	2.1	3.3	1.2								7.4	7.5
SE	1.1	3.2	7.1	5.3								16.8	8.9
SSE	1.2	4.7	11.0	5.4	.4							23.8	9.1
S	1.2	3.4	3.6	2.3	.1	.1						10.8	7.9
SSW	.4	.8	.8	.2								2.2	6.6
SW	.6	.9	.1									1.6	4.1
WSW	.1	.2		.1								.4	6.0
W		.7	.6	.1								1.3	6.6
WNW		.2	.4	.2								.9	8.4
NW			.7	.4	.2							1.3	12.2
NNW	.1	.1	1.3	.7	.7							2.9	11.9
VARBL													
CALM												2.3	
	3.6	24.4	40.0	22.2	2.3	.1						100.0	8.2

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)

722536
STATION

RANDOLPH AFB TX
STATION NAME

70, 73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.2	.9	1.7	.3							5.6	8.9
NNE	.7	2.0	1.8	.4								4.9	6.3
NE	.7	2.9	2.8	.8								7.1	6.8
ENE	1.1	2.0	.9	.1								4.1	4.9
E	2.6	4.4	1.3	.2								8.6	4.8
ESE	2.3	2.2	3.7	.6								8.8	6.2
SE	2.3	7.8	10.6	4.7	.1							25.9	7.6
SSE	1.2	3.8	9.9	4.6	.4	.1						20.0	8.7
S	.3	2.1	1.3	.6								4.3	6.9
SSW	.2	.7		.1								1.0	5.2
SW	.1	.2										.3	4.0
WSW													
W	.1	.1	.1									.3	5.7
WNW		.1										.1	6.0
NW		.2	.1	.3	.3							1.0	12.7
NNW	.2	.4	1.0	.7	.2							2.6	9.6
VARBL													
CALM												5.4	
	12.8	31.2	34.3	14.7	1.4	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

SURFACE WINDS

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

722536 STATION RANDOLPH AFB TX STATION NAME 70,73-81 YEARS APR MONTH
 2100-2300 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.6	.8	1.2	.3							7.3	6.4
NNE	1.7	2.3	1.3	.6								5.9	5.8
NE	1.1	2.1	1.2	.4								4.9	5.9
ENE	1.0	1.0	.9	.1								3.0	5.5
E	1.1	2.0	1.1	.1								5.2	5.0
ESE	1.4	1.2	2.2	.3								5.2	6.2
SE	1.7	7.0	7.8	2.3	.1	.1						19.0	7.5
SSE	1.4	9.7	12.0	2.7	.2		.1					26.1	7.5
S	.9	3.4	1.2	.7								6.2	6.3
SSW		.7										.7	4.5
SW		.4										.4	5.0
WSW		.2										.2	4.0
W	.2		.1									.3	4.0
WNW	.2	.2	.2									.7	4.8
NW		.1	.1		.1							.3	10.7
NNW	.7	1.8	.7	.4	.3							3.9	7.1
VARBL													
CALM												10.6	
	13.9	35.7	29.7	8.9	1.1	.1	.1					100.0	6.1

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)

702036 STATION RANDOLPH AFB TX STATION NAME 70, 73-61 YEARS APR 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	3.0	2.3	2.0	.3							9.4	7.5
NNE	.9	2.0	2.4	1.2	.0							6.5	7.5
NE	.8	1.7	1.9	.9	.0							5.2	7.3
ENE	.3	1.4	1.2	.2								3.7	5.9
E	1.3	2.3	1.4	.2								5.2	5.5
ESE	1.3	1.7	2.1	.3	.0							5.5	6.2
SE	1.7	4.7	5.0	2.1	.1	.0						13.5	7.3
SSE	1.3	5.0	8.2	3.3	.2	.0	.0					18.1	8.1
S	1.1	4.2	4.6	2.0	.1	.0						12.0	7.6
SSW	.3	1.1	.8	.2								2.6	6.7
SW	.5	.9	.2	.1								1.6	4.7
WSW	.3	.5	.1	.0								.9	4.6
W	.3	.4	.3	.0								1.1	5.2
WNW	.2	.2	.2	.2	.0	.0						.7	7.6
NW	.3	.2	.3	.2	.1							1.1	8.1
NNW	1.0	2.2	1.1	.6	.4	.0						5.4	7.4
VARBL													
CALM												7.3	
	13.9	31.7	32.1	13.6	1.4	.1	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AT: WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 722036 STATION NAME RANDOLPH AFB TX YEARS 70.73-81 MONTH MAY
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	4.0	2.2	.5	.3							10.6	5.5
NNE	1.3	1.6	.6	.5								4.1	5.6
NE	.7	.8	.9	.2								2.7	5.7
ENE	1.8	1.1	.4	.1								3.4	4.1
E	1.8	1.1	.5	.1								3.5	4.2
ESE	2.5	1.5	.6									4.6	4.0
SE	2.4	4.7	1.9	.1								9.1	5.1
SSE	1.8	8.7	5.4	.8								15.9	6.2
S	2.8	5.9	5.4	.6								14.7	5.9
SSW	.6	1.4	.5									2.6	5.2
SW	.8	.9	.3									1.9	4.4
WSW	.3	.1	.2		.1							.8	7.3
W	.2	.5	.1									.9	4.6
WNW	.1	.2										.3	4.0
NW	.2	.3										.5	3.8
NNW	2.3	4.0	.6	.1								7.0	4.3
VARB													
CALM												17.2	
	23.4	36.0	19.8	3.1	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
 DIRECTOR
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 702136 STATION NAME RANDOLPH AFB TX YEARS 70, 73-81 MONTH MAY
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	3.9	2.4	.3	.1							10.9	4.8
NNE	1.4	1.9	1.4	.8								5.5	6.3
NE	1.5	1.2	.6	.4								3.8	5.1
ENE	1.2	1.3	.4	.2		.1						2.9	5.3
E	1.9	2.7	.5	.2								4.7	4.4
ESE	2.7	1.5	.3									3.9	3.7
SE	2.3	3.7	1.6	.1	.1							7.7	5.2
SSE	1.3	6.1	3.4	.3								11.2	5.8
S	1.7	7.0	4.5	.6								14.0	5.9
SSW	.4	1.6	.2									2.3	4.8
SW	.3	.6	.1									1.1	4.7
WSW	.9	.9	.3									2.0	4.2
W	.2	.3	.2	.1								.9	6.6
WNW	.1	.1	.3									.5	6.4
NW	.8	.4	.1	.1								1.4	4.1
NNW	3.0	5.2	.6	.1								6.9	4.1
VARBL													
CALM												18.4	
	23.3	37.4	17.2	3.3	.2	.1						100.0	4.2

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)

70.2136 STATION RANDOLPH AFB TX STATION NAME 70.73-81 YEARS MAY MONTH
 0600-0800 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	3.8	4.7	2.4	1.5	.2							11.8	6.0
NNE	1.0	2.2	1.7	1.5	.2							5.8	7.6
NE	1.3	1.2	1.2	1.0								4.6	7.0
ENE	1.3	1.7	.8	.1								3.9	4.9
E	1.7	2.3	.6									4.6	4.3
ESE	1.3	1.8	.3									3.4	4.1
SE	2.3	3.9	2.4		.1							8.6	5.2
SSE	2.3	5.5	4.4	.4	.1							12.7	5.9
S	2.4	6.2	4.7	1.0								14.3	6.2
SSW	.8	1.9	.8									3.4	5.0
SW	1.2	.9	.2									2.3	3.5
WSW	.8	.6	.1									1.5	3.9
W	.4	.9	.1									1.4	4.1
WNW	.5	.1	.2									.9	4.5
NW	.2	.3	.5	.1								1.2	6.8
NNW	3.1	2.8	1.7	.1								7.0	4.2
VARBL													
CALM												12.6	
	24.2	36.2	20.6	5.7	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702036
 STATION

RANDOLPH AFB TX
 STATION NAME

70,73-81
 YEARS

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	.2	2.8	1.8	.1							6.5	8.8
NNE	.2	1.5	1.2	2.3								5.7	6.7
NE	.9	2.3	2.3	1.1	.2							6.1	7.8
ENE	1.3	2.3	1.8	.5	.1							6.0	6.3
E	1.6	3.4	1.6	.2								6.9	5.4
ESE	.4	2.7	1.2	.1								3.8	6.2
SE	.8	3.5	3.7	1.0								8.9	7.0
SSE	1.0	4.7	7.0	1.6								14.3	7.6
S	1.7	6.2	10.0	4.6	.2							22.6	8.1
SSW	.8	2.6	1.0	.4								4.7	6.1
SW	.5	1.9	1.3									3.8	5.5
WSW	.1	.3	.3									.8	5.4
W	.4	.5	.3									1.3	4.9
WNW	.2	.1	.1									.4	4.3
NW	.3	.5	.2	.6								1.7	8.2
NNW	.6	.2	.4	.6								1.9	7.3
VARB													
CALM												4.4	
	11.9	32.9	35.2	14.9	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

CELESTIAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

722036 RANDOLPH AFB TX 70.73-81 MAY
 STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 1200-1400
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.3	1.2	.3							5.2	9.4
NNE	.5	.8	2.0	1.7	.2							5.3	9.3
NE	.5	1.4	1.9	1.7								5.6	8.6
ENE	.5	2.6	1.2	.8								5.3	6.6
E	1.2	3.3	1.9	.1								6.6	5.8
ESE	.6	3.5	2.9	.2								7.3	6.3
SE	.8	4.6	5.8	1.0								12.2	7.1
SSE	.5	3.4	9.6	3.2	.1							16.9	8.4
S	1.2	4.7	9.4	3.8								19.4	8.1
SSW	1.1	1.7	2.0	.8								5.6	6.5
SW	1.0	.3	.8									2.0	5.2
WSW	.2	.3	.3									.9	6.0
W	.5	.2	.1									.9	4.0
WNW	.1		.1	.4								.6	10.8
NW		.2	.3	.1								.6	8.5
NNW	.4	.2	1.3	.5								2.5	8.2
VARBL													
CALM												3.3	
	9.9	28.8	41.9	15.5	.6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
 AFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

7-2136 RANDOLPH AFB TX 70,73-81 MAY
 STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 1500-1700
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.2	2.3	1.1	.2	.2						5.3	9.6
NNE	.7	1.2	2.2	1.3	.1							4.7	8.8
NE	.4	2.3	1.8	.5								5.1	6.9
ENE	.6	2.3	2.4	.3	.1							5.7	6.7
E	1.2	4.9	3.2	.1								9.5	5.7
ESE	.6	3.7	3.7	1.3								9.2	7.5
SE	1.4	4.3	9.4	2.8								18.4	7.8
SSE	1.1	4.2	9.6	3.8								18.6	8.6
S	.7	3.4	6.5	1.9	.1							12.8	7.8
SSW	.4	1.7	1.2	.3								2.9	6.6
SW	.2	.6	.2									1.1	5.1
WSW	.2	.2	.2									.6	4.7
W	.1	.2	.1	.1	.1							.6	9.0
WNW	.2	.1		.1								.4	6.3
NW		.1	.4	.6	.1							1.3	11.5
NNW	.7	.6	.9	.4								2.2	7.6
VARBL													
CALM												1.4	
	3.2	30.9	43.0	14.7	.8	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 70236 STATION NAME RANDOLPH AFB TX YEARS 70-73-81 MONTH MAY
 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	.2	1.3	1.1	1.1	.1							3.8	8.9
NNE	.9	1.7	2.3	.6								4.7	7.5
NE	1.5	1.9	1.7	.9								6.0	6.5
ENE	1.8	2.9	1.0									5.7	4.5
E	2.8	5.0	1.1	.3								9.2	4.7
ESE	3.2	5.6	3.6	.5								12.9	5.6
SE	3.1	9.0	10.5	3.0								25.6	7.1
SSE	1.6	6.4	6.8	2.5	.2							17.5	7.4
S	.6	2.3	1.4									4.3	5.7
SSW	.4	.8	.3									1.5	4.7
SW		.1	.1									.2	6.0
WSW	.1											.1	2.0
W	.1											.1	3.0
WNW				.2								.2	14.0
NW	.1	.1	.2	.1								.5	8.4
NNW		.2	.8	.3								1.3	8.6
VARBL													
CALM												6.3	
	16.6	36.5	30.7	9.6	.3							100.0	6.1

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)

702436
 STATION

RANDOLPH AFB TX
 STATION NAME

70,73-81
 YEARS

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	.6	.9								5.0	5.9
NNE	1.5	1.9	1.0	.4								4.9	5.5
NE	2.5	2.5	.9	.1								5.9	4.3
ENE	1.0	1.1	.5									2.6	4.5
E	3.7	1.5	.5									5.1	3.6
ESE	1.4	3.2	1.8	.4		.1						7.0	6.2
SE	2.4	7.9	6.3	.8								17.3	6.2
SSE	2.2	9.3	9.8	2.3	.2							23.7	7.0
S	1.3	3.7	3.6	.3								6.2	6.2
SSW	.3	.8										1.1	4.1
SW	.2	.3										.5	3.8
WSW		.1	.1									.2	7.0
W	.2	.2	.1									.5	4.2
WNW		.2										.2	4.0
NW	.3	.2										.5	3.6
NNW	.6	1.8	.5	.1								3.1	5.3
VARBL													
CALM												14.1	
	18.2	36.2	25.8	5.3	.2	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 927

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

772536
 STATION

RANDOLPH AFB TX
 STATION NAME

70,73-81
 YEARS

MAY
 MONTH

ALL WEATHER
 CLASS

ALL
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	2.0	1.0	.2	.0						7.4	6.8
NNE	.9	1.5	1.5	1.1	.1							5.1	7.5
NE	1.1	1.7	1.4	.7	.3							5.0	6.6
ENE	1.2	1.9	1.1	.3	.3	.0						4.4	5.5
E	1.9	2.9	1.3	.1								6.3	4.9
ESE	1.5	2.9	1.8	.3		.0						6.5	5.8
SE	1.9	5.3	5.2	1.1	.0							13.5	6.6
SSE	1.5	5.9	7.0	1.9	.1							16.3	7.2
S	1.6	4.9	5.7	1.6	.0							13.8	7.0
SSW	.6	1.5	.8	.2								3.0	5.7
SW	.5	.7	.4									1.6	4.8
WSW	.3	.3	.2		.0							.9	4.9
W	.3	.4	.1	.0	.0							.6	5.1
WNW	.2	.1	.1	.1								.5	6.6
NW	.2	.3	.2	.2	.0							1.0	7.2
NNW	1.3	1.9	.8	.3								4.2	5.1
VARBL													
CALM												9.7	
	17.0	34.4	29.4	9.0	.5	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

7434

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702036 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS MONTH JULY
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	2.1	.4	.2								5.4	4.1
NNE	1.1	1.1	.7	.2								3.1	5.1
NE	.3	.8	1.2	.1								2.4	6.7
ENE	.3	.3		.1								.8	5.0
E	1.3	.4	.1									1.9	3.1
ESE	1.6	1.0	.2									2.8	3.7
SE	2.6	4.8	2.9	.4								10.7	5.5
SSE	4.0	8.4	8.2	1.9								22.6	6.4
S	3.7	5.9	9.0	1.8								20.2	6.8
SSW	1.1	1.4	.3	.2								3.1	4.7
SW	.8	1.0										1.8	3.5
WSW	.3	.4										.8	3.7
W	.3											.3	2.3
WNW	.1											.1	2.0
NW	.3	.1	.1									.6	3.8
NNW	2.9	1.8		.2								4.9	3.3
VARBL													
CALM												18.6	
	23.4	29.6	23.2	5.2								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS JUN MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)

 _____ CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	1.0	.6									6.6	3.6
NNE	.9	.9	.4	.3								2.6	5.6
NE	.3	1.1	.9	.2								2.6	6.5
ENE	.6	.3	.1	.1								1.1	4.7
E	.4	.4										.9	4.0
ESE	.9	.4										1.3	2.9
SE	1.7	2.2	.9									4.8	4.4
SSE	1.9	5.1	5.4	.9								13.2	6.5
S	3.1	8.1	11.6	1.0								23.8	6.5
SSW	2.0	1.3	.7	.1								4.1	4.7
SW	1.7	1.1	.1									2.9	3.5
WSW	.9	.9	.1									1.9	3.8
W	.3	.2										.6	3.4
WNW	.3	.1										.4	2.8
NW	.8	.4										1.2	3.2
NNW	5.7	2.7	.1									8.4	3.1
VARBL													
CALM												23.7	
	25.4	27.3	20.9	2.7								100.0	4.0

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)

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS JUN MONTH
 0600-0800 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	4.3	2.0	.7	.4								7.4	4.1
NNE	1.1	1.2	.8	.6								3.7	5.9
NE	.9	1.0	1.1	.1	.1							3.2	6.5
ENE	1.0	.9	.7									2.6	4.6
E	1.1	1.7	.1									2.9	3.8
ESE	1.9	1.1	.3									3.3	3.5
SE	1.7	2.1	1.2									5.0	4.8
SSE	1.1	3.9	4.8	1.2								11.0	7.0
S	2.2	8.0	11.0	3.3								24.6	7.4
SSW	1.3	2.4	2.7	.1								6.6	5.8
SW	1.3	2.1	.2									3.7	4.5
WSW	.6	.8	.1									1.4	4.2
W	1.2	1.1	.1	.2								2.7	4.6
WNW	.2	.2										.4	3.8
NW	.2	.4										.7	3.8
NNW	2.7	1.7	.7									5.0	3.8
VARBL													
CALM												15.9	
	22.9	30.7	24.2	6.2	.1							100.0	4.9

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)

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 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	.4	1.1	.7	.8								3.0	7.6
NNE	.8	1.1	.9	.4								3.2	6.3
NE	.9	1.4	1.7	.7								4.7	6.6
ENE	.3	2.1	1.2	.1								3.8	5.9
E	.7	1.6	.7	.2								3.1	5.6
ESE	.3	1.1	.8	.1								2.3	6.0
SE	1.0	1.9	1.7	.3								4.9	6.4
SSE	1.6	4.7	5.1	3.0	.1							14.5	7.9
S	2.6	7.0	16.6	8.5	.2							34.8	8.5
SSW	1.7	4.2	4.3	1.7								11.2	7.3
SW	1.2	2.2	1.2	.1								4.8	5.4
WSW	.7	.8	.2									1.7	4.2
W	.3	1.0	.2	.2								1.8	5.8
WNW	.6		.1									.7	2.8
NW	.4	.1	.2	.1								.9	5.5
NNW	.2	.4	.1	.1								.9	6.0
VARB													
CALM												3.6	
	13.0	30.8	35.7	16.4	.3							100.0	7.1

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)

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.7	.6	.1							2.7	7.5
NNE		1.0	1.0	.1								2.1	7.0
NE	.4	1.3	1.1	.3								3.2	6.6
ENE	1.1	2.6	1.4	.2								5.3	5.8
E	1.1	2.9	2.1	.3								6.4	5.9
ESE	.8	1.9	1.0	.1								3.8	5.7
SE	1.2	3.7	3.1	1.1								8.4	7.0
SSE	2.2	7.2	9.6	4.7	.3							24.0	7.9
S	2.1	7.6	13.2	7.2	.1							30.2	8.4
SSW	.8	1.8	2.2	.4								5.2	6.6
SW	.4	.9	.8									2.1	5.7
WSW	.3	.2	.3									.9	4.8
W	.2	.3	.2	.1								.9	5.5
WNW		.3										.3	4.3
NW			.1									.1	8.0
NNW	.1	.2	.2	.2								.8	7.9
VARBL													
CALM												3.4	
	11.3	32.1	37.1	15.4	.6							100.0	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)

12236
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUN
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	.4	.3	.6	.3								1.7	7.1
NNE	.1	1.0	1.2	.1	.1							2.6	7.6
NE	.3	.9	1.6	.7								3.4	7.7
ENE	1.0	3.2	1.7	.2								6.1	5.7
E	1.8	3.8	2.7									8.2	5.5
ESE	1.1	4.4	4.1	.3								10.0	6.3
SE	1.9	5.4	10.3	3.9	.1							21.7	8.0
SSE	.7	5.7	11.8	6.3								24.4	8.8
S	.9	3.8	6.8	3.2	.1							14.8	8.4
SSW	.3	1.0	.8	.7								2.8	7.5
SW	.1	.4										.6	4.2
WSW	.1	.2	.1									.4	4.8
W	.3	.2										.6	3.4
WNW	.1											.1	2.0
NW		.1										.1	6.0
NNW	.1		.6	.3								1.0	9.2
VARBL													
CALM												1.6	
	2.3	30.6	42.1	16.1	.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

322936 RANDOLPH AFB TX 69-70,73-80
 STATION STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION
 JUN
 MONTH
 1969-2000
 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	.4	.7	.3	.2								1.7	5.7
NNE	.3	.9	.8	.3								2.3	6.9
NE	.4	.9	.6	.3	.1							2.3	7.4
ENE	.7	1.3	.8									3.0	5.0
E	2.7	4.2	1.8	.1								9.0	4.7
ESE	2.6	6.4	3.7	.6								12.6	5.5
SE	3.3	10.3	14.7	6.4								34.8	7.6
SSE	1.1	4.3	12.8	4.0								22.2	8.3
S	.7	2.3	2.6	.3								5.9	6.8
SSW	.1	.3	.4	.1								1.0	6.4
SW	.1											.1	2.0
WSW			.1									.1	8.0
W		.1										.1	6.0
WNW	.1	.1	.1									.3	5.3
NW													
NNW	.6	.1	.1									.8	3.3
VARBL													
CALM												3.8	
	13.6	32.1	38.0	12.4	.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

2
 GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	.1		.1							2.4	4.6
NNE	.1	1.7	.1	.1								1.3	5.3
NE	1.2	1.2	.7	.2								3.3	5.2
ENE	.8	.7	.4									1.9	4.6
E	2.4	1.1	.7									4.2	3.9
ESE	2.2	2.1	1.4	.1								5.9	4.9
SE	3.2	10.0	8.4	2.2								23.9	6.7
SSE	1.7	10.8	13.6	4.4								30.4	7.5
S	1.4	3.6	3.6	.2								6.8	6.2
SSW	.2	.6	.1	.1								1.0	5.0
SW	.3	.1										.4	3.5
WSW	.1	.2										.3	4.3
W			.1									.1	10.0
WNW		.1										.1	4.0
NW	.1											.1	3.0
NNW	1.0	.7	.1				.1					1.9	4.8
VARBL													
CALM												13.8	
	15.9	33.4	29.3	7.4	.1		.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

2
 CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

719936 RANDOLPH AFB TX 69-70,73-80 JUN
 STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS ALL
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.5	.3	.0							3.9	4.9
NNE	.6	1.0	.7	.3	.0							2.6	6.2
NE	.6	1.1	1.1	.3	.0							3.2	6.6
ENE	.0	1.4	.8	.1								3.1	5.4
E	1.5	2.7	1.0	.1								4.6	4.9
ESE	1.4	2.3	1.4	.2								5.3	5.3
SE	1.1	5.0	5.4	1.8	.0							14.3	7.0
SSE	1.4	6.3	8.9	3.3	.1							20.3	7.6
S	2.1	5.3	9.3	3.2	.1							20.4	7.6
SSW	.0	1.6	1.4	.4								4.4	6.3
SW	.8	1.7	.3	.0								2.0	4.6
WSW	.4	.4	.1									.9	4.2
W	.2	.4	.1	.1								.9	4.8
WNW	.2	.1	.0									.3	3.5
NW	.2	.2	.1	.0								.5	4.2
NNW	1.7	.9	.2	.1			.0					3.0	4.0
VARBL													
CALM												10.6	
	16.8	30.8	31.3	10.2	.2		.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7199

AD-A113 704 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 82

UNCLASSIFIED USAFETAC/DS-82/012

SBI-AD-P850 152

NL

2-4

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100

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2
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

172536 RANDOLPH AFB TX

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3											1.3	2.3
NNE	.9	.1										.9	2.4
NE	.9	.5										1.4	3.2
ENE	.5											.5	2.2
E	1.5	.6		.1								2.3	3.4
ESE	1.1	.7										1.9	3.1
SE	3.2	4.8	.4									8.5	3.9
SSE	4.8	11.9	4.9	.5								22.3	5.2
S	4.8	15.7	5.7	.3								26.6	5.2
SSW	3.1	4.2	.2									7.5	3.9
SW	1.7	1.1	.1									2.9	3.2
WSW	.8	.1										.9	2.5
W	.2											.2	2.0
WNW													
NW	.3											.3	2.0
NNW	.6	.1										.8	2.1
VARBL													
CALM												21.8	
	25.7	40.1	11.4	1.0								100.0	3.5

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 702536 STATION NAME RANDOLPH AFB TX YEARS 69-70, 73-80 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.1										1.8	2.2
NNE	.5	.3										.9	2.9
NE	1.0	.2										1.2	2.7
ENE	.8	.2										1.0	2.4
E	1.1	.4										1.5	2.9
ESE	1.3	.6	.2									2.2	3.1
SE	2.2	1.2	.3									3.7	3.7
SSE	4.2	4.0	.9	.1								9.1	3.9
S	4.9	9.2	4.7									18.9	5.1
SSW	5.6	5.3	1.0									11.8	3.8
SW	3.1	2.9	.4									6.5	3.7
WSW	1.9	1.0										2.9	3.0
W	1.5	.3										1.8	2.6
WNW	.2	.1										.3	3.3
NW	.3											.3	1.7
NNW	1.6	.8	.1									2.5	3.2
VARBL													
CALM												33.7	
	31.9	26.7	7.6	.1								100.0	2.6

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)

722536
STATION

PANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	.5	.2									3.2	3.0
NNE	.9	.5										1.4	2.9
NE	1.0	1.0										1.9	3.6
ENE	1.2	1.1	.2									2.5	3.9
E	2.0	1.2	.2									3.4	3.3
ESE	1.2	.6	.2									2.0	3.5
SE	2.0	1.6	.3	.1								4.9	3.6
SSE	2.4	4.5	.6	.1								7.6	4.5
S	4.0	10.5	6.3	.4								21.3	5.6
SSW	3.7	4.8	2.3									10.8	4.7
SW	2.6	4.1	1.0									7.6	4.2
WSW	1.2	1.6	.2									3.0	4.0
W	1.6	.8	.1									2.5	3.3
WNW	.4	.1										.5	2.4
NW	.4	.2	.1									.8	4.1
NNW	1.1	1.4										2.5	3.5
VARBL													
CALM												24.0	
	28.9	34.6	11.8	.6								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

722536 RANDOLPH AFB TX 69-70, 73-80
STATION STATION NAME YEARS
ALL WEATHER CLASS
JUL MONTH
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	.8										1.6	3.7
NNE	.5		.3									.9	4.4
NE	.8	1.3	.4	.1								2.6	5.0
ENE	1.4	1.0	.5	.1								3.0	4.5
E	1.3	2.2	.4									3.9	4.6
ESE	.9	.6	.6									2.2	4.9
SE	1.4	2.7	1.2	.1								5.4	5.2
SSE	1.7	3.8	4.3	.9								10.6	6.6
S	3.5	10.6	15.9	3.0								33.1	7.0
SSW	2.2	7.2	5.1	.4								14.8	5.9
SW	1.5	5.3	1.3									8.1	4.9
WSW	1.0	1.4	.8									3.1	4.8
W	1.0	1.2	.1									2.3	3.8
WNW	.3	.4										.8	3.3
NW	.4	.2										.6	3.0
NNW	.3	.3	.1									.8	4.1
VARBL													
CALM												6.3	
	19.0	38.9	31.1	4.6								100.0	5.5

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)

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUL
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	1.0	.1	.8									1.8	4.7
NNE	.4	.4	.4									1.3	4.9
NE	.3	.9										1.2	4.5
ENE	1.1	1.3	.9	.1								3.3	5.5
E	1.1	2.8	2.2	.1								6.1	5.9
ESE	1.1	2.0	1.4	.1								5.5	5.6
SE	1.6	5.2	4.9	1.0								12.7	6.4
SSE	2.2	7.4	8.2	1.7								19.5	7.0
S	2.6	11.2	12.2	3.2								29.1	7.1
SSW	1.7	4.1	2.7	.1								8.6	5.4
SW	.8	2.4	.5									3.7	5.0
WSW	.8	.3	.1									1.2	3.5
W	.4	.5										1.0	3.4
WNW			.1									.1	10.0
NW		.4	.1									.5	5.0
NNW	.1	.1	.3									.5	7.4
VARBL													
CALM												3.9	
	15.1	40.0	34.7	6.3								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

SURFACE WINDS

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

71236 RANDOLPH AFB TX 69-70,73-80 JUL
 STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.6	.3	.1								1.3	6.3
NNE	.5	.3	.6	.1								1.6	5.9
NE	.5	1.1	.5									2.2	5.1
ENE	1.2	1.2	.5									2.9	4.5
E	1.5	2.0	2.5	.4								7.3	5.9
ESE	1.1	4.0	4.3	.8								10.1	6.9
SE	1.8	8.7	10.6	2.0	.3							23.5	7.4
SSE	1.2	8.4	12.7	2.8								25.1	7.5
S	1.0	6.2	7.7	1.7								16.7	7.3
SSW	.6	1.9	.9	.1								3.5	5.6
SW	.5	.9										1.4	3.9
WSW	.3	.3										.6	3.3
W	.3	.1										.4	3.0
WNW		.1										.1	5.0
NW	.1	.2										.3	3.7
NNW	.4	.5										1.0	3.9
VARBL													
CALM												1.9	
	11.4	37.5	40.8	8.1	.3							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)

72236 RANDOLPH AFB TX 69-70,73-80 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER CLASS 1800-2000
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	.6	.9	.3	.1								1.9	5.3
NNE	.6	.5	.2									1.4	3.8
NE	1.3	1.0	.3									2.6	3.9
ENE	1.6	1.2	.2	.2								3.2	4.3
E	1.2	3.2	.6	.1								5.2	4.9
ESE	1.7	5.6	3.2	.4								11.0	6.0
SE	3.3	14.1	13.9	3.3								34.6	6.8
SSE	1.5	9.7	11.3	4.6								27.1	7.6
S	1.0	2.9	2.5	.4								6.8	6.3
SSW	.3	.3	.4									1.1	5.4
SW	.1	.2	.2									.5	6.2
WSW	.2	.1	.1									.4	4.5
W			.1									.1	8.0
WNW													
NW	.1	.1										.2	4.0
NNW	.2				.1							.3	7.7
VARBL													
CALM												3.5	
	13.9	39.8	33.4	9.2	.1							100.0	6.3

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)

722036
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3		.1								.8	4.3
NNE	.6	.4										1.2	2.6
NE	.2	.3	.4									1.5	4.7
ENE	1.1	.4	.2	.1								1.8	4.0
E	2.8	2.6	.2									5.6	3.4
ESE	1.9	2.2	.8									4.8	4.3
SE	2.8	10.9	7.4	1.4								22.5	6.2
SSE	2.4	15.3	18.8	3.0								39.5	7.0
S	1.2	4.8	3.2									9.2	5.9
SSW	.2	1.0				.1						1.3	5.5
SW	.3	.1										.4	2.8
WSW	.3	.1										.4	2.8
W													
WNW		.2										.2	4.0
NW													
NNW	.3	.3										.6	3.2
VARB													
CALM												10.1	
	15.2	38.9	31.1	4.6		.1						100.0	5.4

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)

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS JUL 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 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	.2	.0								1.7	3.9
NNE	.6	.3	.2	.0								1.2	3.9
NE	.9	.8	.2	.0								1.8	4.2
ENE	1.1	.8	.3	.1								2.3	4.3
E	1.6	2.0	.8	.1								4.4	4.7
ESE	1.3	2.2	1.3	.2								5.0	5.4
SE	2.4	6.1	4.9	1.0	.0							14.5	6.2
SSE	2.5	8.1	7.7	1.7								20.1	6.6
S	2.9	8.9	7.3	1.1								20.2	6.2
SSW	2.2	3.6	1.6	.1		.0						7.4	4.9
SW	1.3	2.1	.4									3.9	4.3
WSW	.8	.6	.1									1.6	3.7
W	.6	.4	.0									1.0	3.3
WNW	.1	.1	.0									.3	3.6
NW	.2	.1	.0									.4	3.5
NNW	.6	.4	.1		.0							1.1	3.8
VARBL													
CALM												13.2	
	20.1	37.1	25.2	4.3	.1	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 7440

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 702536 RANDOLPH AFB TX STATION NAME ALL WEATHER CLASS ALL WEATHER YEARS 69-70, 73-80 MONTH AUG
 CONDITION _____ HOURS (L.S.T.) 0000-0200

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	2.5	.8										3.2	2.9
NNE	1.5	.2										1.7	2.4
NE	1.4	.2	.2	.2								2.0	3.9
ENE	1.4	.3	.1									1.8	2.6
E	1.4	.4	.4	.2	.1							2.6	5.2
ESE	1.3	.4			.1							1.8	3.6
SE	4.0	2.2	.8	.1								7.0	3.9
SSE	6.5	6.3	4.4	.2								17.4	4.8
S	4.4	11.3	4.8	.2								20.8	5.2
SSW	3.3	2.2	.4									5.9	3.6
SW	1.4	1.0	.1									2.5	3.4
WSW	.9	.6	.1									1.6	3.5
W	.5	.1										.6	2.5
WNW	.3	.1										.4	2.8
NW	.3	.2										.5	3.4
NNW	1.6	1.3										2.9	3.1
VARBL													
CALM												27.1	
	32.7	27.6	11.4	1.0	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 2536 STATION NAME RANDOLPH AFB TX YEARS 69-70, 73-80 MONTH AUG
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.5										5.9	2.6
NNE	.9	.5	.1									1.5	3.4
NE	1.1	.8	.2	.2								2.3	4.4
ENE	1.3	.4										1.7	2.7
E	.9	.6	.3									1.5	4.5
ESE	1.7	.1	.1	.2	.1							2.3	4.5
SE	.9	.5	.4	.1								1.9	4.8
SSE	3.4	1.9	1.8	.2								7.3	4.7
S	5.4	6.5	3.9	.1								15.8	4.8
SSW	3.0	3.8	1.2									8.0	4.3
SW	2.7	1.6	.1	.1								4.5	3.4
WSW	2.0	1.5	.1									3.7	3.2
W	1.2	.8	.1									2.0	3.2
WNW	.9	.1										1.0	2.7
NW	.5	.4										1.0	3.1
NNW	4.4	1.6										6.0	2.8
VARBL													
CALM												33.7	
	34.3	22.6	8.4	1.0	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72436
 STATION

RANDOLPH AFB TX
 STATION NAME

65-79, 73-80
 YEARS

AUG
 MONTH

ALL WEATHER
 CLASS

1600-2800
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	2.0	.1									6.1	3.2
NNE	1.6	.9		.1								2.6	3.5
NE	2.4	1.2	.5	.2								4.3	4.2
ENE	1.2	.9	.2									2.3	3.6
E	2.3	1.6	.2									4.1	3.4
ESE	1.3	.5	.2	.1	.1							2.3	4.5
SE	1.3	.4	.3	.1								2.2	4.3
SSE	2.4	2.7	1.2	.6								6.2	5.3
S	3.5	7.6	4.1	.4								15.7	5.4
SSW	3.7	3.3	1.2	.3								7.8	4.9
SW	1.3	2.6	.4	.2								4.5	4.8
WSW	1.7	1.5	.1									2.6	3.9
W	.6	1.1	.1									1.8	3.8
WNW	.1	.1										.2	4.5
NW	.2	.1	.1									.4	4.5
NNW	3.9	2.0	.4									6.3	3.2
VARBL													
CALM												30.5	
	30.0	28.0	9.2	2.2	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

2

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72236 RANDOLPH AFB TX 69-70,73-80 AUG
STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 8900-1100
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	1.7	.6	.2									2.2	3.4
NNE	.5	.6	1.3	.3								2.8	7.3
NE	1.2	1.8	1.5	.4								4.9	6.0
ENE	1.6	2.2	1.1	.1								4.9	4.8
E	2.0	3.2	1.3									6.6	4.9
ESE	1.2	1.5	.6	.2								3.5	5.2
SE	1.2	1.0	.4	.1								2.7	4.7
SSE	2.8	4.1	1.5	.8								9.1	5.4
S	3.8	8.7	9.9	3.5								25.9	6.9
SSW	1.9	7.2	4.0	1.0								14.1	6.2
SW	1.0	4.0	1.6	.3								6.9	5.7
WSW	1.3	1.5	.9	.1								3.3	5.2
W	1.7	1.4	.3									3.0	3.9
WNW	.4	.5										1.0	3.7
NW	.5	.1	.1									.8	3.0
NNW	.5	.1										.6	2.5
VARBL													
CALM												7.2	
	22.6	38.6	24.7	6.9								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AD WEATHER SERVICE/MAC

SURFACE WINDS

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

702036 RANDOLPH AFB TX 69-70, 73-80 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.4	.2								1.2	8.0
NNE	.4	1.6	.8	.3	.1							3.2	6.7
NE	1.8	1.1	1.4	.4								4.7	5.5
ENE	1.2	1.9	1.8	.4	.1							5.5	6.3
E	1.9	3.9	2.7	.3								8.8	5.6
ESE	1.6	1.8	1.7	.4	.1							5.7	6.0
SE	1.7	4.4	2.0	.3								8.5	5.5
SSE	2.0	7.5	5.9	1.4	.2							17.1	6.6
S	4.1	9.9	9.0	2.7	.1							25.8	6.6
SSW	1.8	2.6	1.8	.5								6.8	5.7
SW	.6	1.5	.8	.1								3.0	5.5
WSW	.6	1.5	.3									2.5	4.5
W	.3	.4										.8	3.9
WNW	.3		.1									.4	3.5
NW	.3	.2	.1									.6	4.7
NNW	.1	.2		.1								.4	6.0
VARBL													
CALM												4.8	
	19.1	39.2	29.0	7.3	.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

002536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.3									1.6	4.4
NNE	.5	.3	1.2									2.0	6.3
NE	1.2	.5	.4	.3	.3							2.8	6.8
ENE	1.9	2.2	1.2	.6	.1	.2						6.2	6.6
E	2.5	5.2	4.4	1.1								13.1	6.3
ESE	1.6	3.5	3.3	1.1	.1							9.7	6.7
SE	3.1	6.3	7.4	2.6	.3							19.8	7.2
SSE	2.6	6.5	7.2	2.5	.1							18.8	7.2
S	1.2	6.0	4.6	1.8	.1							13.8	7.0
SSW	.8	1.4	1.7	.2								4.1	6.3
SW	.8	1.1	.2									2.0	4.0
WSW	.1	.5	.2	.1								1.0	6.8
W		.2	.3									.5	7.6
WNW		.1										.1	6.0
NW	.2	.1	.1									.4	4.3
NNW	.2	.1										.3	3.0
VARBL													
CALM												3.7	
	17.3	34.7	32.7	10.3	1.1	.2						100.0	6.5

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)

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70, 73-80
 YEARS

AUG
 MONTH

ALL WEATHER
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.9	.1	.2	.1							1.6	6.8
NNE	.5	.3	.1									1.0	3.6
NE	1.1	.9	.5	.1	.3							2.9	6.3
ENE	.3	1.5	1.0	.3								3.5	5.8
E	1.9	4.4	2.3	.6								9.2	5.7
ESE	3.0	5.1	3.0	.4								11.5	5.4
SE	5.2	13.3	10.4	2.4	.3							31.6	6.3
SSE	3.0	7.5	6.6	2.4	.3							19.8	7.0
S	.5	2.9	3.8	1.3	.1							8.6	7.7
SSW		.3	.2	.1								.6	7.7
SW	.2	.3		.1								.6	4.8
WSW		.2										.2	4.0
W	.2	.1										.3	3.3
WNW	.2	.1										.3	2.7
NW		.1	.1	.1								.3	8.3
NNW	.3											.3	2.3
VARBL													
CALM												7.4	
	17.3	38.0	28.1	8.1	1.2							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

702936 STATION PANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS AUG MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
 _____ CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.5	.1									1.7	3.4
NNE	1.3	.8										2.0	3.2
NE	.9	.1		.1		.1						1.2	5.0
ENE	1.6	1.0	.2	.2	.3							3.3	5.9
E	2.5	2.4	.8									5.6	4.1
ESE	3.3	3.4	.4	.3								7.5	4.2
SE	5.2	9.7	4.6	.4								19.9	5.2
SSE	3.3	11.6	9.5	3.5								28.0	6.9
S	1.7	3.5	3.4	2.4	.1							11.2	7.5
SSW	.8	.9	.2									1.8	4.5
SW	.4	.2										.6	3.0
WSW	.1	.1										.2	4.0
W													
WNW		.1										.1	4.0
NW	.3											.3	2.3
NNW	.4	.3										.8	3.1
VARIABLE													
CALM												15.7	
	22.9	34.6	19.2	7.0	.4	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72236 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS AUG MONTH
 ALL WEATHER CLASS ALL HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.9	.2	.1	.0							2.9	3.6
NNE	.9	.7	.4	.1	.0							2.1	4.9
NE	1.4	.9	.6	.3	.1	.0						3.1	5.4
ENE	1.4	1.3	.7	.2	.1	.0						3.7	5.4
E	1.9	2.7	1.5	.3	.0							6.4	5.3
ESE	1.9	2.1	1.2	.3	.1							5.5	5.4
SE	2.8	4.7	3.3	.8	.1							11.7	5.9
SSE	3.3	5.9	4.8	1.5	.1							15.5	6.3
S	3.1	7.1	5.4	1.6	.1							17.2	6.3
SSW	1.8	2.7	1.3	.3								6.1	5.3
SW	1.0	1.5	.4	.1								3.1	4.6
WSW	.9	.9	.2	.0								1.9	4.3
W	.5	.5	.1									1.1	3.8
WNW	.3	.1	.0									.4	3.3
NW	.3	.2	.1	.0								.6	3.9
NNW	1.4	.7	.1	.0								2.2	3.1
VARBL													
CALM												16.3	
	24.5	32.9	20.3	5.5	.5	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 7439

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702536 RANDOLPH AFB TX 69-70,73-80 SEP

STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-0200

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.4	4.6	2.1	.7		.1						11.9	5.1
NNE	1.6	2.2	1.9	.4	.1							6.2	6.2
NE	.6	2.1	1.0	.3								4.0	5.9
ENE	1.6	1.0	.3									2.9	3.9
E	2.1	1.1	.1	.1								3.4	3.3
ESE	1.0	.7	.3									2.0	3.8
SE	2.4	1.7	.8	.2								5.1	4.2
SSE	2.3	3.7	2.0									8.0	5.0
S	2.2	5.0	4.4	.9								12.6	6.2
SSW	1.7	1.0	.3									3.0	3.6
SW	1.9	.4										2.3	2.7
WSW	.6	.1										.7	2.2
W	.2	.1	.1									.4	4.0
WNW	.1											.1	2.0
NW	.8	.1										.9	2.6
NNW	4.4	4.9	.4	.3								10.1	4.0
VARBL													
CALM												26.3	
	27.9	28.7	13.9	3.0	.1	.1						100.0	3.5

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)

722036 RANDOLPH AFB TX 69-70,73-80 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.2	6.2	2.8	.8								16.0	4.8
NNE	1.1	2.7	2.2	.7								6.7	6.4
NE	1.0	1.4	1.3	.2								4.0	5.7
ENE	.8	.8	.1									1.7	3.6
E	2.2	.7	.3									3.2	3.3
ESE	1.2	.4	.1									1.8	3.1
SE	1.0	1.6	.3									2.9	4.3
SSE	1.0	1.7	.9									4.4	4.4
S	2.9	3.3	4.7	.7								11.6	6.0
SSW	1.0	2.1	1.0									4.1	5.1
SW	.9	.6	.2									1.7	3.8
WSW	.7	.1										.8	2.6
W	.8	.1										.9	2.6
WNW	.8	.1	.2									1.1	4.1
NW	1.3	.1	.1	.1								1.7	3.4
NNW	7.3	6.1	.2	.1								13.8	3.5
VARBL													
CALM												23.7	
	31.1	28.0	14.6	2.6								100.0	3.6

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 72236 RANDOLPH AFB TX STATION NAME 69-70.73-80 YEARS SEP MONTH
0600-0600 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	48-53	≥54	%	MEAN WIND SPEED
N	5.8	7.1	2.4	.9	.2							16.4	5.1
NNE	2.4	2.6	2.4	1.1								8.6	6.2
NE	1.7	2.6	2.3	.9								7.4	6.4
ENE	1.9	1.0	.7	.1								3.7	4.2
E	2.1	1.1	.3	.1								3.7	3.8
ESE	.9	.9										1.8	3.3
SE	1.3	.9	.3	.1								2.7	4.5
SSE	1.1	1.1	.6	.2								3.0	5.2
S	.8	4.0	2.8	.4								8.0	6.4
SSW	1.8	3.3	1.0	.2								6.3	5.1
SW	1.6	1.9										3.4	3.6
WSW	.7	.2										.6	3.4
W	.8	.3	.3									1.4	4.5
WNW	.3	.1	.1									.6	4.4
NW	.9	.2										1.1	2.9
NNW	5.0	5.4	.8	.2								11.4	4.0
VARBL													
CALM												19.9	
	28.7	32.8	14.1	4.3	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7-2136 STATION NAME RANDOLPH AFB TX YEARS 69-70, 73-80 MONTH SEP
 CLASS ALL WEATHER HOURS (L.G.T.) 0900-1100
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.9	3.1	1.2	.6							7.9	8.5
NNE	1.1	2.0	4.0	1.3								8.4	7.8
NE	1.4	2.4	5.0	2.2								11.1	8.0
ENE	1.8	3.0	3.3	.7								8.8	6.3
E	1.6	2.9	1.1	.1								5.7	5.0
ESE	1.4	1.4	.9									3.8	4.7
SE	1.2	2.5	.8									4.6	5.0
SSE	1.3	2.2	1.3	.9								6.3	6.4
S	2.6	5.6	4.0	4.1								16.2	7.5
SSW	1.2	3.3	2.4	1.2	.1							8.3	7.0
SW	1.0	2.6	1.1	.2								4.9	5.4
WSW	.7	1.7	.6									2.9	4.9
W	1.0	.9	.4									2.3	4.5
WNW	.1	.2	.3									.7	5.5
NW	.1	.1	.1									.3	5.7
NNW	.3	.9	.2	.2								1.7	5.8
VARBL													
CALM												6.1	
	16.0	34.2	28.8	12.2	.7							100.0	6.3

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)

7 2536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 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	.6	1.3	2.6	2.6	.1							7.1	9.4
NNE	1.0	2.1	2.8	1.3	.2							7.4	6.1
NE	.9	2.4	4.2	2.3	.1							10.0	8.2
ENE	1.3	3.4	3.3	.7	.1							8.6	6.8
E	1.3	4.0	3.2	.7								9.2	6.3
ESE	1.8	2.1	1.8	.1								5.8	5.4
SE	1.3	2.9	1.4	.1								5.8	5.4
SSE	2.1	3.6	2.8	.9								9.3	6.2
S	2.1	5.8	5.1	3.6								16.6	7.6
SSW	1.7	3.1	1.9	.8								6.8	6.5
SW	1.3	1.1	.4	.2								3.1	4.9
WSW	.3	.6	.3									1.2	4.8
W	.6	.6	.6									1.7	5.6
WNW		.1	.2		.1							.4	9.8
NW	.2	.1	.1									.4	4.5
NNW	.2	.7	.8	.2								1.9	7.4
VARB													
CALM												4.7	
	15.8	33.9	31.6	13.4	.7							100.0	6.7

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)

72236 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS SEP MONTH
 1500-1700 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.6	1.8	.2							6.6	8.9
NNE	1.4	1.3	3.3	1.8	.3							8.2	8.2
NE	.7	2.9	3.2	1.6	.1							8.4	7.5
ENE	1.7	3.6	3.2	.7								9.1	6.4
E	1.8	5.0	4.3	.8								11.9	6.4
ESE	1.4	2.7	2.3	.2								6.7	5.7
SE	1.3	3.7	4.4	1.1								10.6	7.0
SSE	1.6	3.9	5.8	2.4	.1							13.8	7.8
S	1.8	4.0	4.7	1.8	.2	.1						12.6	7.5
SSW	.2	1.2	.4	.9								2.8	8.0
SW	.9	.7	.3									1.9	4.4
WSW	.4	.3	.2									1.0	4.0
W	.4	.1	.1									.7	3.5
WNW	.2	.1										.3	2.7
NW	.3	.1	.1		.1							.7	6.5
NNW	.1	.3	.2	.3								1.0	8.2
VARBL													
CALM												3.9	
	15.0	31.2	35.3	13.3	1.1	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AT WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 22236 RANDOLPH AFB TX STATION NAME 69-70, 73-80 YEARS SEP MONTH
1800-2000 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	1.4	2.7	2.2	.8								7.1	6.4
NNE	1.0	2.6	2.0	.9	.2							6.7	7.3
NE	1.0	2.5	1.9	1.0	.1							7.7	6.3
ENE	2.1	2.7	.8	.2								5.8	4.7
E	3.1	4.7	2.4	.6								10.8	5.3
ESE	3.6	5.1	2.3	1.1								12.1	5.5
SE	4.1	7.0	4.9	1.3	.1							17.4	5.9
SSE	2.7	4.4	4.2	2.3	.1							13.6	6.9
S	1.1	2.1	1.3	.2	.3							5.1	6.7
SSW	.1	.3	.2									.7	5.3
SW	.5	.1										.7	2.7
WSW	.1	.1	.1									.3	4.7
W	.2	.3	.1									.7	4.0
WNW													
NW		.2										.2	4.0
NNW	.3	.3		.1	.1							.9	6.5
VARBL													
CALM												10.1	
	22.3	35.4	22.6	8.6	1.0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

102036
STATION

RAVDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	5.7	1.9	.4								9.9	5.3
NNE	2.1	3.1	1.2	.7	.3							7.4	6.0
NE	2.4	1.3	1.3	.8								5.9	5.5
ENE	1.9	2.1	.2									4.1	3.6
E	2.4	2.7	.4	.1								5.7	4.1
ESE	2.4	1.4	.4	.2								4.9	4.0
SE	3.1	4.2	2.4	.3								10.8	4.9
SSE	2.3	6.7	4.3	1.8								15.1	6.4
S	1.7	2.6	3.3	.8								8.3	6.4
SSW	.6	.4	.1									1.1	3.9
SW	.2	.1	.1									.4	4.0
WSW	.4	.4		.1								1.0	5.0
W	.1											.1	3.0
WNW													
NW		.1										.1	3.0
NNW	2.1	1.6	.1	.2								4.0	3.8
VARIABLE													
CALM												21.1	
	23.7	33.4	16.0	5.4	.3							100.0	4.2

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)

STATION 72536 RANDOLPH AFB TX STATION NAME 69-70.73-80 YEARS SEP
 CLASS ALL WEATHER MONTH ALL
 CONDITION _____ HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	3.8	2.5	1.1	.1	.0						10.4	6.2
NNE	1.5	2.3	2.5	1.0	.2							7.5	7.1
NE	1.3	2.3	2.5	1.2	.0							7.3	7.0
ENE	1.6	2.2	1.5	.3	.0							5.6	5.5
E	2.1	2.9	1.5	.3								6.7	5.2
ESE	1.7	1.9	1.0	.2								4.8	4.9
SE	2.7	3.1	1.9	.4	.0							7.5	5.5
SSE	1.9	3.5	2.7	1.1	.0							9.2	6.4
S	1.9	4.0	3.8	1.6	.1	.0						11.4	6.9
SSW	.9	1.9	.9	.4	.0							4.1	5.9
SW	1.0	.9	.3	.1								2.3	4.3
WSW	.4	.4	.2	.0								1.1	4.3
W	.5	.3	.2									1.0	4.3
WNW	.2	.1	.1		.0							.4	5.0
NW	.5	.1	.1	.0	.0							.7	3.8
NNW	2.5	2.5	.3	.2	.0							5.6	4.2
VARBL													
CALM												14.5	
	22.5	32.2	22.1	7.9	.5	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

702536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

OCT
 MONTH

ALL WEATHER
 CLASS

0000-0200
 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	5.2	4.8	2.3	1.5	.1							13.9	5.5
NNE	1.3	1.7	2.8	.9								6.7	6.9
NE	.9	.9	1.6	.9								4.2	7.5
ENE	.9	.5	.3	.2								1.9	5.3
E	1.5	1.0	.3									2.8	3.6
ESE	.8	.5	.3	.1								1.7	4.5
SE	.8	.5	.9	.9								3.0	7.6
SSE	3.5	1.5	1.9	.6								7.6	5.2
S	3.4	5.7	3.5	.8								13.4	5.6
SSW	1.6	.6	.2									2.5	3.3
SW	1.3	.2										2.0	2.4
WSW	1.4	.4										1.8	2.7
W	.5	.3										.9	2.8
WNW	.6	.5										1.2	3.1
NW	.8	.8										1.5	3.5
NNW	7.7	4.8	.3	.1								13.0	3.3
VARBL													
CALM												21.8	
	32.7	24.9	14.5	5.9	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 702036 STATION NAME RANDOLPH AFB TX YEARS 69-70,73-80 MONTH 03
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.3	4.6	2.3	2.0								17.2	4.9
NNE	1.8	2.3	3.4	1.0								8.5	6.8
NE	1.3	.6	1.6	.5								4.1	6.4
ENE	.7	1.4	.3									2.0	4.8
E	1.3	.6	.1									2.0	3.2
ESE	.4	.8	.2									1.4	4.5
SE	.1	.8	.5	.3	.1							1.8	8.4
SSE	1.7	1.4	.9	.4								4.0	5.5
S	2.8	3.7	4.1	.1								10.6	5.6
SSW	2.3	.9	.4	.1								3.7	3.7
SW	1.1	.9										1.9	3.4
WSW	1.0	.5										1.5	3.2
W	1.0	.3										1.3	2.6
WNW	.4											.4	1.8
NW	1.2	1.0	.1									2.3	3.6
NNW	10.2	6.2	.3	.3								17.1	3.5
VARBL													
CALM												20.1	
	34.7	25.9	14.3	4.8	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

722936
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

OCT
MONTH
3600-0800
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	2.8	5.2	2.7	2.4	.2							20.2	5.2
NNE	1.7	3.1	3.5	1.1								9.5	6.7
NE	1.7	2.2	1.9	.5								6.3	6.0
ENE	1.6	.9	.3									2.8	3.5
E	.6	.8	.3									1.7	4.1
ESE	.8	.9										1.6	3.5
SE	.6	.6	.4	.1								1.8	5.4
SSE	.8	1.4	1.1	.3								3.5	6.2
S	1.9	4.4	2.6	.4								9.4	5.5
SSW	1.3	1.8	.8	.1								4.0	4.9
SW	1.1	1.0										2.0	3.3
WSW	.5	.9	.3									1.7	4.6
W	.3	.4	.1									.9	4.0
WNW	.4	.1	.1									.6	3.8
NW	1.4	1.2										2.6	3.2
NNW	10.3	4.7	.6	.3								16.0	3.4
VARBL													
CALM												15.3	
	34.9	29.5	14.8	5.3	.2							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702536 STATION RANDOLPH AFB TX 69-70, 73-80 YEARS OCT MONTH
 ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	2.3	4.7	.3							10.2	9.4
NNE	1.1	1.3	2.4	2.2	.5							7.4	8.9
NE	1.3	3.2	4.1	1.8								10.4	7.5
ENE	1.4	2.6	1.4	.4								5.8	5.7
E	1.7	3.3	.8									5.8	4.4
ESE	1.2	1.4	.4									3.0	4.5
SE	.5	2.3	.8	.5								4.1	6.4
SSE	1.2	1.4	2.3	.9								5.7	7.0
S	2.2	4.6	6.7	3.1								16.6	7.5
SSW	1.3	2.3	2.4	.6								6.6	6.7
SW	1.6	3.3	2.0									7.0	5.4
WSW	.3	2.2	1.2	.1								3.8	5.9
W	1.1	1.0	.4									2.5	4.4
WNW	.6	.2	.2									1.1	3.5
NW	.1	.2	.3	.1								.8	7.1
NNW	.6	.8	.2	.8	.1	.1						2.6	8.3
VARB													
CALM												6.8	
	18.1	31.1	27.7	15.3	1.0	.1						100.0	6.5

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)

72436
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	4.2	3.1	.1							9.4	9.3
NNE	.4	2.3	3.4	1.2	.2							7.5	8.0
NE	1.2	2.7	3.2	.8								7.8	6.9
ENE	1.3	2.6	2.4	.3	.1							6.7	6.1
E	1.7	2.7	1.2	.1								5.7	4.9
ESE	1.1	1.4	.6									3.1	4.4
SE	1.6	1.6	1.3	.4								4.9	5.7
SSE	1.5	3.5	2.2	1.4	.1							8.7	6.8
S	3.4	4.7	7.3	3.3								18.8	7.3
SSW	1.6	3.0	4.1	.5								9.2	6.5
SW	.9	2.4	1.6									4.8	5.5
WSW	.9	1.1	.5	.1								2.6	4.7
W	.1	.5	.3	.2	.1							1.4	7.2
WNW	.1	.4	.2									.8	4.9
NW	.4	.6	.3	.1								1.5	5.3
NNW	.2	.3	.8	.9	.1							2.3	9.9
VARBL													
CALM												4.7	
	17.0	31.4	33.7	12.5	.8							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

102536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS OCT MONTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.9	3.1	3.9								9.5	9.5
NNE	.6	1.9	3.3	1.9								7.8	8.2
NE	2.0	1.8	1.9	.8								6.6	5.9
ENE	1.7	1.7	1.6	.1								5.2	5.3
E	1.2	2.8	2.0	.3								6.3	5.7
ESE	1.4	2.7	.5	.2								4.8	4.7
SE	1.7	4.0	2.7	.9								9.2	6.3
SSE	2.8	2.9	5.1	1.5	.3							12.6	7.3
S	2.5	4.7	7.5	2.9								17.6	7.3
SSW	1.6	1.7	1.6									4.9	5.1
SW	.9	1.3	.6									2.8	4.7
WSW	.6	.4	.1									1.2	3.9
W	.6	.2	.5	.2								1.6	6.0
WNW	.2	.1	.1	.1								.5	5.4
NW	.2	.4	.1									.8	4.7
NNW	.1	.3	.9	.1	.3							1.7	9.9
VARBL													
CALM												6.8	
	18.8	29.0	31.8	12.9	.6							100.0	6.3

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)

702536 RANDOLPH AFB TX 69-70,73-80 OCT 1800-2000
STATION STATION NAME YEARS MONTH 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	1.4	3.1	1.7	1.7								6.8	7.0
NNE	1.3	2.8	2.6	.9								7.5	6.4
NE	2.3	1.4	1.3	.3								5.3	5.1
ENE	2.3	1.1	.4									3.8	3.4
E	4.5	2.5	.5									7.5	3.4
ESE	3.9	1.5	1.1									6.5	3.8
SE	3.0	6.7	2.3	1.4								13.3	5.7
SSE	4.4	6.3	5.4	1.6								17.7	6.0
S	3.5	3.0	1.5	.1								8.2	4.4
SSW	1.2	.8										1.9	3.1
SW	.4											.4	1.5
WSW	.5	.1	.1									.8	3.0
W		.1										.1	5.0
WNW		.3	.1									.4	6.0
NW	.1	.1	.1									.3	5.3
NNW	.6	.5	.3	.1								1.6	5.3
VARBL													
CALM												16.7	
	29.5	30.3	17.4	6.1								100.0	4.4

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)

02236 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS OCT MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	5.1	2.4	2.9	1.4	.3							12.0	6.0
NNE	.6	2.4	2.8	.8								6.6	7.0
NE	1.5	1.9	1.2	.5								5.2	5.8
ENE	1.2	.9	.1	.1								2.3	3.9
E	1.5	.9	.2	.1								2.7	3.7
ESE	.9	.9	.6									2.4	5.0
SE	1.7	3.3	3.0	.8								8.8	6.3
SSE	3.2	8.0	5.2	1.9								18.3	6.1
S	2.3	5.5	2.0	.4								10.2	5.3
SSW	1.3	.8										2.0	3.1
SW	.3	.1										.4	2.5
WSW	.2	.1										.3	3.3
W	.3	.2										.5	3.0
WW	.1	.2	.1			.1						.5	8.8
NW	1.2	.6										1.8	3.4
NNW	4.2	3.3	.1	.2								7.8	3.6
VARBL													
CALM												18.1	
	25.6	31.4	18.3	6.2	.3	.1						100.0	4.5

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)

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 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	4.1	3.1	2.7	2.6	.1							12.5	6.6
NNE	1.1	2.2	3.0	1.2	.1							7.7	7.3
NE	1.5	1.8	2.1	.8								6.2	6.5
ENE	1.3	1.5	.9	.1	.0							3.8	5.0
E	1.8	1.8	.7	.1								4.3	4.3
ESE	1.3	1.2	.5	.0								3.1	4.3
SE	1.3	2.5	1.5	.7	.0							5.9	6.2
SSE	2.3	3.3	3.0	1.1	.1							9.8	6.3
S	2.8	4.5	4.4	1.4								13.1	6.4
SSW	1.5	1.5	1.2	.2								4.4	5.2
SW	1.0	1.1	.5									2.7	4.5
WSW	.7	.7	.3	.0								1.7	4.4
W	.5	.4	.2	.1	.0							1.1	4.6
WNW	.3	.2	.1	.0		.0						.7	4.4
NW	.7	.6	.1	.0								1.4	4.0
NNW	4.3	2.6	.4	.3	.1	.0						7.8	4.1
VARB													
CALM												13.8	
	26.4	29.2	21.6	8.6	.4	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702136 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 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	3.3	5.3	4.3	1.4	.4	.1						15.0	6.7
NNE	1.1	3.3	3.8	1.1	.3							9.7	7.4
NE	1.7	1.6	.6	.4								3.6	5.6
ENE	.7	.1										.8	2.6
E	.6	.7	.2									1.4	4.2
ESE	.7											.7	1.7
SE	1.0	.9	.7	.1								2.7	5.0
SSE	1.7	1.8	1.6	.1								5.1	5.3
S	2.7	3.3	3.1	.4								9.6	5.5
SSW	1.4	1.3	1.1	.3								4.2	5.4
SW	1.9	1.3	.1									3.3	3.4
WSW	.8	.8	.1									1.7	3.7
W	.8	.4	.1	.1								1.4	4.2
WNW	.7	.2	.1									1.0	3.3
NW	3.0	1.2	1.1									5.3	4.1
NNW	6.7	7.6	1.2	.3	.1							15.9	4.3
VARBL													
CALM												18.7	
	27.9	29.9	18.1	4.4	.9	.1						100.0	4.3

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)

72236
STATION

RANDOLPH AFB TX
STATION NAME

69-73, 73-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	4.4	3.7	2.6	.7	.1						14.7	7.5
NNE	1.6	4.0	3.4	1.3	.6							10.9	7.3
NE	.9	1.6	1.8	.7								4.9	6.9
ENE	.7	.6										1.2	3.5
E	.8	.3										1.1	2.9
ESE													
SE	1.1	.4	.3									1.9	3.6
SSE	1.3	.8	.9									3.0	5.0
S	1.4	2.9	2.3	.6								7.2	6.0
SSW	1.3	2.6	.3	.3								4.6	5.0
SW	1.1	1.2	.3	.2								2.9	4.8
WSW	1.2	1.1	.1									2.4	3.5
W	1.1	.6	.1									1.8	3.1
WNW	1.2	.6	.1									1.9	3.2
NW	2.4	1.7	.4									4.6	3.5
NNW	7.1	9.6	1.4	.4	.2							18.8	4.5
VARBL													
CALM												18.2	
	26.6	32.2	15.3	6.1	1.9	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

79
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

772536 STATION RANDOLPH AFB TX 69-70,73-60 YEARS NOV MONTH
 ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.6	6.0	3.7	4.1	.3							19.4	7.0
NNE	1.7	4.1	3.7	1.6	.1	.1						11.2	7.3
NE	1.6	2.1	1.8	.6								6.0	6.0
ENE	.7	.7	.2	.2								1.8	5.6
E	.3	.2										.6	2.8
ESE	.4	.6	.3									1.3	4.4
SE	1.0	.3										1.3	2.9
SSE	.7	1.1	.4									2.2	4.9
S	2.0	2.8	1.7	.3								6.8	5.4
SSW	.6	1.2	.7	.4								2.9	6.2
SW	1.0	1.7	.7									3.3	4.7
WSW	1.4	1.1	.3									2.9	4.0
W	1.3	1.7	.1									3.1	3.7
WNW	.6	.3										.9	3.0
NW	1.4	1.9	.8	.1	.1							4.3	5.3
NNW	6.8	8.2	1.1	.2								16.3	4.1
VARB													
CALM												15.6	
	26.0	34.8	15.4	7.6	.6	.1						100.0	4.7

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)

36 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS MONTH NOV
 ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.1	3.7	6.1	.8	.1						18.3	9.7
NNE	.7	1.3	4.3	3.7	.1							10.3	9.6
NE	1.4	3.1	2.8	1.3								8.7	7.0
ENE	.7	1.9	2.7	.3								4.9	6.5
E	1.3	1.6	1.3	.2								4.4	5.3
ESE	1.1	.4	.4									2.0	4.2
SE	.3	1.9	.7	.2								3.1	5.9
SSE	.4	1.1	.9	.4								3.2	6.4
S	2.1	3.3	4.9	2.7	.1							13.1	7.7
SSW	.9	3.3	3.9	1.2	.1							9.4	7.2
SW	.9	2.3	1.4	.7								5.2	6.6
WSW	1.4	1.3	.9									3.7	4.6
W	.6	1.2	.6	.1								2.4	5.5
WNW	.7	.4	.4	.1								1.7	5.9
NW	.1	.2	.6	.7	.1							2.0	9.2
NNW	.8	1.2	1.8	.8	.6							5.1	8.4
VARBL													
CALM												5.3	
	19.6	28.1	30.6	18.6	1.8	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 722436 STATION NAME: RANDOLPH AFB TX YEARS: 69-70, 73-80 MONTH: NOV
 CLASS: ALL WEATHER HOURS (L.S.T.): 1200-1400
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	4.4	4.8	.9							12.3	10.7
NNE	.3	1.7	2.7	4.1	.2							8.3	10.4
NE	.3	1.8	2.7	1.4	.1							6.8	7.9
ENE	1.2	1.9	1.7	.1								4.9	5.5
E	1.6	2.7	1.3	.1								5.7	5.2
ESE	.9	2.2	.1	.1								3.3	4.6
SE	.9	1.8	.7	.2								3.6	5.3
SSE	.4	1.4	1.8	1.1								4.8	7.7
S	1.1	3.9	8.1	4.9	.1							18.1	8.8
SSW	.6	2.9	2.8	2.4	.1							8.8	8.4
SW	.6	1.7	2.9	.9								6.2	7.3
WSW	.7	1.6	1.2	.1								3.8	5.7
W	.6	1.7	.3	.2	.1							2.2	6.3
WNW	.1	.7	.4	.7	.1							2.0	8.8
NW	.4	.7	.3	.8	.2							2.4	9.0
NNW	.3	.6	1.2	1.3	.4							3.9	10.4
VARBL													
CALM												2.9	
	11.4	27.3	32.7	23.3	2.3							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72236 RANDOLPH AFB TX 69-70,73-80 NOV
STATION STATION NAME YEARS MONTH
 ALL WEATHER
CLASS
 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	.7	2.4	5.8	4.4	.6							13.9	9.7
NNE	.8	1.6	2.7	2.3	.1							7.4	8.9
NE	1.0	1.9	1.9	1.0								5.8	7.1
ENE	1.0	1.6	1.0	.1								3.7	5.2
E	2.0	2.1	1.0	.1								5.2	4.6
ESE	1.6	1.7	.2									3.4	4.0
SE	1.0	2.3	1.6	.6								5.7	6.4
SSE	1.2	2.3	3.2	.7								7.4	6.7
S	1.7	4.3	8.7	3.6	.1							18.3	7.9
SSW	.9	3.6	2.0	1.1								7.6	6.7
SW	1.0	2.1	1.4	.4								5.0	6.2
WSW	.4	.3	.8	.2								2.2	6.2
W	.7	1.1	.2									2.0	4.3
WNW		.1	.4	.4		.2						1.2	11.8
NW	.8	.4	.7	.7	.1							2.7	8.1
NNW		1.1	2.2	1.0	.3							4.7	9.6
VARBL													
CALM												3.8	
	14.7	29.4	33.8	16.9	1.2	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL BUREAU OF SURVEY
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 702036 STATION NAME RANDOLPH AFB TX YEARS 69-70, 73-80 MONTH NOV
 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	2.4	4.3	3.7	3.8	.2							14.4	7.8
NNE	1.8	2.9	3.1	1.1								8.9	6.6
NE	1.6	2.3	1.3	.7								5.9	5.8
ENE	.8	.2	.1	.1								1.2	3.7
E	2.0	1.4	.2		.1							3.8	3.9
ESE	1.3	1.7	.2									3.2	4.0
SE	3.6	4.0	2.0	.3								9.9	4.9
SSE	2.3	5.0	3.3	.6								11.2	5.8
S	4.9	4.8	1.3	.7								11.7	4.5
SSW	1.3	2.0	.3									3.7	4.1
SW	.9	1.4										2.3	3.6
WSW	.7	.2										.9	2.8
W	1.0	.3										1.3	2.6
WNW	.4	.1	.1									.7	3.8
NW	.3	.6	.4									1.3	4.9
NNW	1.7	2.1	1.1	.4								5.3	5.5
VARBL													
CALM												14.2	
	27.0	33.4	17.3	7.7	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

SURFACE WINDS

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

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	5.2	3.6	2.9	.1	.1						14.1	7.4
NNE	1.3	3.3	2.9	1.4	.1							9.1	7.2
NE	.8	2.0	1.1	.4								4.3	6.0
ENE	.8	.6	.1									1.4	4.0
E	.3	.7	.1									1.1	4.1
ESE	.6	.8	.1									1.4	3.8
SE	1.7	2.6	1.0	.1								5.3	4.8
SSE	2.0	5.4	3.0	.3								10.8	5.5
S	3.9	6.1	3.1	.8								13.8	5.3
SSW	1.0	1.3	.3									2.7	4.5
SW	.9	.2	.1									1.2	2.9
WSW	.2	.6	.1									.9	4.9
W	.8	.3	.1									1.2	3.8
WNW	.4	.4										.9	3.0
NW	1.9	1.1	.6									3.4	4.1
NNW	5.6	5.0	.3	.6	.1							11.6	4.1
VARBL													
CALM												16.7	
	24.1	35.7	16.6	6.6	.3	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

900

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72236 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS NOV MONTH

ALL WEATHER CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.2	4.1	3.8	.5	.1						14.9	8.2
NNE	1.2	2.7	3.3	2.1	.2	.0						9.5	8.0
NE	1.1	2.0	1.7	.8	.0							5.7	6.6
ENE	.8	.9	.6	.1								2.5	5.3
E	1.1	1.2	.5	.1	.0							2.9	4.6
ESE	.9	.9	.2	.0								1.9	4.1
SE	1.3	1.8	.9	.2								4.2	5.1
SSE	1.3	2.4	1.9	.4								6.0	6.0
S	2.5	3.9	4.2	1.7	.0							12.3	6.8
SSW	1.0	2.3	1.4	.7	.0							5.5	6.5
SW	1.0	1.5	.9	.3								3.7	5.5
WSW	.9	.9	.4	.0								2.3	4.6
W	.8	.8	.2	.1	.0							1.9	4.3
WNW	.5	.4	.2	.2	.0	.0						1.3	5.8
NW	1.3	1.0	.6	.3	.1							3.3	5.5
NNW	3.6	4.4	1.3	.6	.2							10.2	5.2
VARBL													
CALM												11.9	
	21.7	31.4	22.5	11.4	1.1	.1						100.0	5.6

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)

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS
 ALL WEATHER CLASS
 DEC MONTH
 0000-0200 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.6	4.4	2.5	.5							14.4	7.5
NNE	1.4	1.6	2.2	1.3	.2							6.7	7.9
NE	.5	.9	.9	.5								2.8	7.0
ENE	.3	.3	.6									1.7	5.1
E	1.3	.5	.3									2.4	3.6
ESE	.1	.1	.1									.3	6.0
SE	.9	.1	.3									1.2	3.8
SSE	1.1	1.0	1.6	.2								3.9	5.8
S	1.5	3.7	2.8	1.3								8.6	6.8
SSW	1.5	2.3	1.4	.5								6.0	5.6
SW	2.0	2.2	.2									4.4	3.7
WSW	1.6	1.4	.4									3.4	4.1
W	1.5	1.3	.3									3.1	4.0
WNW	.6	.3	.4	.1	.1							1.6	6.0
NW	1.7	1.1	.5	.1	.1							3.5	4.8
NNW	4.2	9.0	2.0	.4								15.7	4.6
VARBL													
CALM												20.2	
	23.1	30.1	18.6	7.0	1.0							100.0	4.6

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)

702938 RANDOLPH AFB TX 69-70,73-P0 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	6.7	5.5	2.3								17.4	6.6
NNE	.9	1.6	1.5	1.9	.3							6.2	6.4
NE	.9	1.9	.8	.1								3.7	5.6
ENE	.3	1.0	.2	.2								1.7	5.8
E	.4	.5	.2	.1								1.3	5.0
ESE	.2		.1									.3	3.7
SE	.5	.2	.3									1.1	4.9
SSE	.8	1.4	.4	.1								2.7	5.2
S	.6	3.1	1.2	.2	.1							5.3	6.1
SSW	1.0	2.2	1.3	.8								5.2	6.2
SW	2.4	2.4	.6	.1								5.5	4.1
WSW	1.4	1.2	.3									2.9	4.1
W	1.9	1.2	.5	.1								3.7	4.2
WNW	.8	.3	.4			.1						1.6	5.7
NW	1.9	1.2	1.0	.1								4.1	4.7
NNW	7.2	6.6	2.2	.4	.1							16.5	4.4
VARBL													
CALM												21.0	
	24.6	30.8	16.6	6.5	.5	.1						100.0	4.4

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)

722536 RANDOLPH AFB TX 69-70, 73-80 DEC
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 CONDITION
 3600-0800
 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	4.9	7.5	5.2	3.4	.4							21.5	6.8
NNE	1.2	1.6	2.5	1.5	.4	.1						7.3	8.3
NE	.8	1.8	.6	.4								3.7	5.8
ENE	.6	1.1	.3									2.0	4.7
E	.6		.6									1.3	4.8
ESE	.5											.5	2.4
SE	.4	.3	.6	.1								1.5	5.8
SSE	1.0	1.5	.4									2.9	4.7
S	1.3	2.0	1.0	.1	.1							4.5	5.2
SSW	1.7	1.1	.9	.1								3.8	4.6
SW	1.8	2.5	.5									4.8	4.2
WSW	1.9	1.2	.4									3.5	3.6
W	1.1	.9	1.1	.1								3.1	5.2
WNW	.5	.2	.3									1.1	4.5
NW	2.2	1.2	.6	.2								4.2	4.6
NNW	7.2	7.0	1.5	.8	.1							16.6	4.5
VARBL													
CALM												17.6	
	27.8	29.9	16.7	6.8	1.1	.1						100.0	4.6

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)

72236 RANDOLPH AFB TX 69-70, 73-80 DEC
STATION STATION NAME YEARS MONTH

ALL WEATHER

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.8	4.9	5.4	1.3	.8						10.5	9.5
NNE	1.4	1.9	3.3	1.9	.2	.1						8.9	8.3
NE	.8	2.0	3.4	1.7	.1							8.1	8.0
ENE	1.7	1.3	1.2	.3								4.5	5.3
E	1.7	2.0	.8	.1								4.6	4.5
ESE	.9	.3	.1									1.3	3.3
SE	.5	1.4	.6	.1								2.7	5.4
SSE	.6	1.3	.8	.3								3.0	6.4
S	1.6	2.8	2.9	1.3								8.6	6.6
SSW	1.2	1.9	2.7	1.3	.1							7.2	7.7
SW	1.2	2.7	2.5	.8								7.1	6.4
WSW	1.5	2.7	1.1	.3								4.9	5.3
W	1.7	1.0	.9	.1								3.7	4.9
WNW	.3	.3	.6	.1								1.4	6.5
NW	.4	.9	.6	.3	.1							2.4	7.2
NNW	1.5	1.1	1.5	1.2	.1							5.4	7.3
VARB													
CALM												7.7	
	20.4	25.8	28.0	15.3	1.9	.9						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)

722536 RANDOLPH AFB TX 69-70,73-80 DEC
STATION STATION NAME YEARS 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	1.0	2.8	4.2	4.5	1.6	.1						14.2	10.4
NNE	.8	1.9	3.3	2.2	.1							8.3	8.6
NE	1.3	1.5	2.3	.6								5.7	6.9
ENE	.9	1.6	1.8	.3								4.6	6.3
E	1.8	1.2	.9									3.9	4.2
ESE	.4	.4	.4	.1								1.4	5.5
SE	.5	.4	.6									1.6	5.4
SSE	1.2	1.3	1.5	.5								4.5	6.3
S	1.5	4.1	4.9	3.5	.1							14.2	8.0
SSW	.5	2.6	5.1	2.0								10.2	8.3
SW	1.6	2.0	3.4	1.1								8.2	7.1
WSW	.3	1.8	2.0	.4								4.6	7.0
W	1.3	1.7	1.7	.9	.1							5.7	6.8
WNW	.2	.3	.4	.9								1.8	8.6
NW	.1	.4	.9	.5	.2	.1						2.3	10.3
NNW	.2	1.3	1.8	1.3	.3	.1						5.1	9.4
VARBL													
CALM												3.8	
	13.7	25.5	35.4	18.9	2.5	.3						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)

002436 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS DEC MONTH
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.4	4.9	6.0	.6							16.1	9.6
NNE	.4	1.8	2.2	1.9	.1	.1						6.6	9.0
NE	1.3	2.4	1.3	.5								5.5	5.8
ENE	.9	1.4	.9	.5	.1							3.8	6.5
E	2.4	1.7	.3									4.4	3.7
ESE	.6	1.1	.3									2.0	4.3
SE	1.0	1.6	.8	.2								3.5	5.1
SSE	1.5	.9	1.7	1.6	.2							5.9	8.1
S	2.2	6.7	7.5	2.5								18.8	7.2
SSW	.9	4.1	3.1	.8								8.8	6.6
SW	.9	2.8	2.6	.2								6.5	6.4
WSW	.6	1.5	1.4	.2								3.8	6.3
W	.2	1.0	.4	.2								1.8	6.4
WNW	.4	.1	.4	.1								1.1	6.2
NW	.1	.3	.6	1.0	.1							2.2	10.0
NNW	.4	1.2	1.4	1.1	.4							4.5	8.6
VARBL													
CALM												4.7	
	14.8	31.9	29.9	16.9	1.6	.1						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)

72236
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70, 73-80
 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	2.4	4.0	4.4	3.0	.3							14.1	7.6
NNE	1.0	2.3	2.2	2.0	.2							7.7	8.1
NE	1.1	1.4	1.1	.5								4.1	6.2
ENE	1.6	.8	.5	.1								3.0	4.1
E	2.4	1.2	.2									3.8	3.2
ESE	1.0	1.2										2.2	3.7
SE	1.1	1.2	1.5	.5								5.1	6.2
SSE	1.2	3.5	2.7	.6								8.6	6.3
S	4.6	6.0	.8	.1								11.5	4.1
SSW	3.1	3.0	.3									6.5	3.5
SW	1.7	2.0										3.8	3.6
WSW	1.4	.6										2.0	2.9
W	1.3	.2	.1									1.6	2.7
WNW	.2	.2	.1									.5	5.0
NW	.6	.6	.6	.1	.2							2.3	6.9
NNW	2.0	1.9	.6	.6	.1							5.4	5.3
VARBL													
CALM												17.8	
	27.4	31.0	15.2	7.8	.9							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 927

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72236 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 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 - 53	≥ 56	%	MEAN WIND SPEED
N	3.0	4.0	3.5	2.7	.4							14.4	7.1
NNE	1.3	1.9	2.3	1.6								7.0	7.9
NE	1.1	2.4	1.2	.4	.1	.1						5.3	6.6
ENE	.9	1.7	.3	.1								2.3	4.9
E	.6	.9	.2									1.7	3.8
ESE	.4	.9										1.2	3.5
SE	1.2	.9	1.2	.1								3.3	5.6
SSE	1.9	2.5	2.5	.4								7.2	6.1
S	1.9	3.8	3.3	.9								9.9	6.3
SSW	1.7	2.1	.1									3.9	3.8
SW	1.5	1.7	.3	.1								3.7	4.2
WSW	1.2	1.2	.1									2.5	3.7
W	1.3	.9	.8									2.9	4.5
WNW	.5	.2	.8	.1								1.6	5.9
NW	.9	.5	.3		.1							1.8	4.7
NNW	5.7	4.3	.5	.4	.1							10.4	4.3
VARIABLE												70.8	
CALM													
	25.2	28.8	17.4	6.9	.8	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 926

2
 FEDERAL CLIMATOLOGY BRANCH
 AFSS/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

702536 RANDOLPH AFB TX 69-70, 73-80
 STATION STATION NAME YEARS
 ALL WEATHER
 CLASS
 ALL
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.4	4.6	3.7	.7	.1						16.3	8.1
NNE	1.7	1.8	2.4	1.8	.2	.0						7.3	8.3
NE	1.0	1.6	1.4	.6	.0	.0						4.8	6.7
ENE	.9	1.1	.7	.2	.0							3.0	5.5
E	1.4	1.7	.4	.0								2.9	4.9
ESE	.5	.5	.1	.0								1.2	4.0
SE	.8	.9	.9	.1								2.5	5.5
SSE	1.2	1.7	1.5	.5	.0							4.3	6.3
S	1.9	3.9	3.1	1.2	.0							10.2	6.5
SSW	1.5	2.4	1.9	.7	.0							6.4	6.2
SW	1.6	2.3	1.3	.3								5.5	5.3
WSW	1.3	1.4	.7	.1								3.5	4.9
W	1.3	1.0	.7	.2	.0							3.2	5.1
WNW	.5	.3	.4	.2	.0	.0						1.3	6.3
NW	1.7	.8	.7	.3	.1	.0						2.6	6.3
NNW	3.5	4.0	1.5	.8	.2	.0						9.9	5.3
VARBL													
CALM												14.2	
	22.1	29.2	22.2	10.7	1.3	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 7433

2

OFFICIAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/HAC

SURFACE WINDS

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

STATION 362036 RANDOLPH AFB TX STATION NAME 69-70,73-81 YEARS
 CLASS ALL WEATHER MONTH ALL
 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	2.2	2.9	2.5	2.2	.4	.1		.0				15.1	7.8
NNE	1.0	1.5	2.2	1.6	.1	.0						6.7	6.0
NE	1.1	1.5	1.7	.8	.0	.0						5.4	6.8
ENE	1.0	1.5	1.0	.2	.0	.0						3.8	5.6
E	1.5	2.0	1.0	.1	.0	.0						4.6	5.0
ESE	1.1	1.6	.9	.2	.0	.0						3.8	5.3
SE	1.5	3.2	2.8	.9	.0	.0						6.5	6.5
SSE	1.6	4.0	4.4	1.6	.1	.0	.0					11.7	7.1
S	2.0	4.9	5.0	1.7	.1	.0	.0					13.7	6.9
SSW	1.1	2.3	1.4	.4	.0	.0						4.9	5.9
SW	1.0	1.4	.7	.1	.0	.0						3.2	5.1
WSW	.7	.8	.4	.1	.0	.0						2.0	5.0
W	.6	.6	.3	.1	.0	.0	.0					1.7	5.4
WNW	.3	.2	.2	.1	.0	.0	.0					.8	6.5
NW	.5	.5	.3	.2	.1	.0	.0					1.6	6.4
NNW	2.1	2.4	.8	.5	.2	.0	.0					6.0	5.5
VARB													
CALM												11.6	
	12.3	31.6	25.5	10.8	1.0	.2	.0	.0				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 67631

2
 CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

712736
 STATION

DAYTON AFB TX
 STATION NAME

69-70,73-81
 YEARS

ALL
 MONTH
 ALL
 HOURS (L.S.T.)

INSTRUMENT
 CLASS
 CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
 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	1.3	1.5	2.3	1.7	.3	.0						7.1	8.3
NNE	.9	1.7	3.2	2.4	.1	.0						5.4	8.6
NE	1.3	2.6	2.6	1.2	.1	.0						7.8	7.0
ENE	1.2	2.1	1.3	.3	.0	.0						4.9	5.6
E	1.7	2.3	.8	.2	.0							5.0	4.8
ESE	1.3	1.4	1.0	.1	.0							3.9	5.0
SE	1.7	3.1	2.9	.6	.0	.0						8.4	6.3
SSE	1.7	4.5	5.2	1.1	.0	.0	.0					12.6	6.8
S	2.1	7.0	6.8	1.5	.0							17.5	6.6
SSW	1.2	2.4	1.5	.4		.0						5.4	5.9
SW	.8	1.4	.6	.1								2.8	5.0
WSW	.5	.4	.2	.0	.0							1.2	4.6
W	.5	.4	.2	.0	.0							1.1	4.6
WNW	.1	.1	.1	.0		.0						.4	6.0
NW	.3	.2	.1	.0	.0							.6	4.9
NNW	.7	.5	.3	.2	.0							1.7	5.4
VARBL													
CALM												11.3	
	17.3	31.8	29.1	9.7	.6	.1	.0					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 14595

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{5}{16}$	≥ 0	
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100					95.4											
≥ 0						96.9				98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING ≥ 20000	42.2	43.7	44.1	44.4	44.7	44.7	44.7	44.7	44.8	44.9	45.1	45.1	45.1	45.1	45.1
≥ 18000 IV 16000	43.5	45.3	45.7	46.0	46.5	46.5	46.5	46.5	46.6	46.8	46.9	46.9	46.9	46.9	46.9
≥ 14000 IV 12000	43.7	45.4	45.8	46.1	46.6	46.6	46.6	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0
≥ 10000 IV 9000	44.2	45.9	46.3	46.7	47.1	47.1	47.1	47.1	47.2	47.4	47.5	47.5	47.5	47.5	47.5
≥ 8000 IV 7000	45.6	47.6	48.1	48.4	48.8	48.8	48.8	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2
≥ 6000 IV 5000	45.8	47.8	48.3	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.5	49.5	49.5	49.5	49.5
≥ 4500 IV 4000	46.9	49.1	49.6	49.9	50.3	50.3	50.3	50.3	50.4	50.6	50.8	50.8	50.8	50.8	50.8
≥ 3500 IV 3000	47.0	49.2	49.7	50.0	50.4	50.4	50.4	50.4	50.5	50.8	50.9	50.9	50.9	50.9	50.9
≥ 2500 IV 2000	47.7	50.1	50.5	50.9	51.3	51.3	51.3	51.3	51.4	51.6	51.7	51.7	51.7	51.7	51.7
≥ 1800 IV 1500	48.5	50.9	51.3	51.6	52.0	52.0	52.0	52.0	52.2	52.4	52.5	52.5	52.5	52.5	52.5
≥ 1200 IV 1000	48.9	51.3	51.7	52.0	52.5	52.5	52.5	52.5	52.6	52.8	52.9	52.9	52.9	52.9	52.9
≥ 900 IV 800	49.6	52.8	53.2	53.5	54.0	54.0	54.0	54.0	54.1	54.3	54.4	54.4	54.4	54.4	54.4
≥ 700 IV 600	51.1	55.3	55.7	56.0	56.5	56.5	56.5	56.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9
≥ 500 IV 400	52.0	56.6	57.0	57.3	57.7	57.7	57.7	57.7	57.8	58.1	58.2	58.2	58.2	58.2	58.2
≥ 300 IV 200	53.4	58.1	58.5	58.8	59.2	59.2	59.2	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7
≥ 100 IV 0	54.7	59.5	59.9	60.2	60.6	60.6	60.6	60.6	60.8	61.0	61.1	61.1	61.1	61.1	61.1
	55.8	62.0	62.5	62.8	63.3	63.3	63.3	63.3	63.4	63.7	63.8	63.8	63.8	63.8	63.8
	56.9	63.8	64.2	64.6	65.3	65.3	65.3	65.3	65.4	65.6	65.7	65.7	65.7	65.7	65.7
	57.8	65.2	65.6	66.0	66.7	66.7	66.7	66.7	66.8	67.0	67.1	67.1	67.1	67.1	67.1
	59.5	68.4	68.9	69.4	70.0	70.1	70.1	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5
	60.8	71.4	72.3	72.8	73.7	73.8	73.8	73.8	73.9	74.1	74.2	74.2	74.2	74.2	74.2
	61.2	73.3	74.4	75.1	76.1	76.2	76.2	76.2	76.5	76.7	76.9	76.9	76.9	76.9	76.9
	61.7	75.1	76.2	76.9	78.2	78.3	78.3	78.3	78.5	78.7	78.9	78.9	78.9	78.9	78.9
	62.0	76.3	77.7	78.4	79.8	79.9	80.1	80.1	80.3	80.5	80.8	80.8	80.8	80.8	80.8
	62.0	76.7	78.4	79.1	81.1	81.2	81.5	81.6	81.8	82.0	82.3	82.3	82.3	82.3	82.3
	62.2	77.3	79.0	80.2	82.4	82.5	83.3	83.4	83.7	83.9	84.1	84.1	84.1	84.1	84.1
	62.2	78.5	80.5	82.2	84.5	84.7	85.7	85.9	86.1	86.3	86.7	86.7	86.7	86.7	86.7
	62.2	78.8	81.4	83.8	86.5	86.8	88.0	88.6	88.9	89.2	89.6	89.6	89.7	89.8	90.0
	62.2	78.9	81.5	84.3	87.3	87.8	89.4	90.4	90.8	91.3	91.7	91.7	92.0	92.0	92.4
	62.2	79.0	81.6	84.5	87.7	88.3	90.0	91.5	92.0	92.8	94.0	94.0	94.9	94.9	95.3
	62.2	79.0	81.6	84.5	87.7	88.3	90.0	91.6	92.2	93.1	94.3	94.3	95.7	95.9	96.9
	62.2	79.0	81.6	84.5	87.7	88.3	90.0	91.6	92.2	93.1	94.3	94.3	95.7	96.0	97.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

70,73-81
 YEARS

JAN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	41.9	42.4	43.0	43.2	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.8	43.8	43.8
≥ 20000	41.4	43.7	44.1	44.8	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.6	45.6	45.6
IV 18000	41.6	44.0	44.4	45.2	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9
IV 16000	41.6	44.0	44.4	45.2	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9
IV 14000	42.6	45.3	45.8	46.6	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.4	47.4	47.4
IV 12000	42.9	45.6	46.1	46.9	47.1	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.7	47.7	47.7
IV 10000	43.3	46.6	47.2	48.0	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0
IV 9000	43.4	46.7	47.3	48.1	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	49.1	49.1
IV 8000	43.8	47.0	47.6	48.4	48.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5	49.5
IV 7000	44.4	47.6	48.3	49.0	49.5	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.1
IV 6000	45.3	48.5	49.1	49.9	50.3	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.0
IV 5000	46.0	49.4	50.0	50.8	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8	51.8
IV 4500	47.0	50.5	51.5	52.3	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.3
IV 4000	47.7	51.4	52.4	53.1	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2	54.2	54.2
IV 3500	48.9	53.0	54.0	54.7	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8
IV 3000	50.5	55.3	56.2	57.0	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.1	58.1	58.1
IV 2500	51.5	57.6	58.6	59.4	59.8	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4
IV 2000	52.2	58.7	59.7	60.4	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5	61.5	61.5
IV 1800	52.8	59.9	61.0	61.7	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8
IV 1500	53.7	62.0	63.2	64.1	64.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5
IV 1200	55.3	64.9	66.3	67.3	68.0	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.8
IV 1000	56.7	68.2	69.6	70.6	71.3	71.5	71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.3	72.3	72.3
IV 900	57.4	70.1	71.6	72.8	73.4	73.7	74.0	74.1	74.1	74.1	74.1	74.2	74.2	74.4	74.4	74.4
IV 800	57.5	71.0	73.1	74.4	75.1	75.4	75.7	75.8	75.8	75.8	75.8	75.9	75.9	76.1	76.1	76.1
IV 700	57.5	72.3	74.6	76.1	77.0	77.3	77.8	78.0	78.0	78.0	78.0	78.1	78.1	78.3	78.3	78.3
IV 600	57.8	73.5	76.3	77.8	79.2	79.6	80.6	80.8	80.8	80.8	80.8	80.9	80.9	81.1	81.1	81.1
IV 500	58.0	74.7	78.0	80.0	82.2	82.5	83.8	83.9	83.9	83.9	83.9	84.1	84.1	84.3	84.3	84.4
IV 400	58.0	75.3	78.9	81.5	83.9	84.3	86.2	86.9	86.9	87.0	87.2	87.2	87.2	87.6	87.6	88.0
IV 300	58.0	75.6	79.4	81.9	84.3	84.7	86.8	87.8	88.0	88.2	88.5	88.7	89.1	89.1	89.4	89.8
IV 200	58.0	75.6	79.4	81.9	84.3	84.7	87.1	88.6	88.9	89.2	89.8	89.8	90.2	91.6	91.8	92.9
IV 100	58.0	75.6	79.4	81.9	84.3	84.7	87.1	88.8	89.2	89.8	90.6	91.1	92.7	93.2	94.8	97.5
IV 0	58.0	75.6	79.4	81.9	84.3	84.7	87.1	88.8	89.2	89.8	90.6	91.1	92.7	93.2	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	34.3	36.5	37.0	37.6	38.2	38.3	38.5	38.5	38.5	38.6	38.7	38.7	38.8	38.8	38.8	38.9
IV 20000	36.5	38.8	39.7	40.3	41.0	41.1	41.3	41.3	41.3	41.4	41.5	41.5	41.6	41.6	41.6	41.8
IV 18000	36.6	38.9	39.8	40.4	41.1	41.2	41.4	41.4	41.4	41.5	41.6	41.6	41.7	41.7	41.7	41.9
IV 16000	36.8	39.1	40.0	40.6	41.3	41.4	41.6	41.6	41.6	41.7	41.8	41.8	41.9	41.9	41.9	42.2
IV 14000	37.8	40.2	41.1	41.7	42.4	42.5	42.7	42.7	42.7	42.9	43.1	43.1	43.2	43.2	43.2	43.4
IV 12000	39.2	41.7	42.6	43.2	43.9	44.0	44.2	44.2	44.2	44.4	44.6	44.6	44.7	44.7	44.7	44.9
IV 10000	40.1	43.1	44.1	44.7	45.4	45.5	45.7	45.7	45.7	45.9	46.1	46.1	46.2	46.2	46.2	46.5
IV 9000	40.4	43.7	44.6	45.3	45.9	46.0	46.2	46.2	46.2	46.5	46.7	46.7	46.8	46.8	46.8	47.0
IV 8000	40.4	43.9	44.8	45.5	46.1	46.2	46.5	46.5	46.5	46.7	46.9	46.9	47.0	47.0	47.0	47.2
IV 7000	40.3	44.2	45.2	45.8	46.5	46.6	46.8	46.8	46.8	47.0	47.2	47.2	47.3	47.3	47.3	47.5
IV 6000	41.4	45.1	46.1	46.8	47.4	47.5	47.7	47.7	47.7	48.0	48.2	48.2	48.3	48.3	48.4	48.6
IV 5000	42.6	46.6	47.6	48.3	48.9	49.0	49.2	49.2	49.2	49.5	49.7	49.7	49.8	49.8	49.9	50.1
IV 4500	43.3	47.7	48.9	49.6	50.2	50.3	50.5	50.5	50.5	50.8	51.0	51.0	51.1	51.1	51.2	51.4
IV 4000	43.7	48.2	49.4	50.0	50.6	50.8	51.0	51.0	51.0	51.2	51.4	51.4	51.5	51.5	51.6	51.8
IV 3500	44.7	50.4	51.6	52.3	52.9	53.0	53.2	53.2	53.2	53.4	53.7	53.7	53.8	53.8	53.9	54.1
IV 3000	46.2	52.4	53.5	54.2	54.8	54.9	55.2	55.2	55.2	55.4	55.6	55.6	55.7	55.7	55.8	56.0
IV 2500	47.6	54.6	55.9	56.7	57.3	57.4	57.6	57.6	57.6	57.8	58.1	58.1	58.2	58.2	58.3	58.5
IV 2000	49.8	58.7	60.2	61.2	61.8	61.9	62.2	62.2	62.2	62.4	62.6	62.6	62.7	62.7	62.8	63.0
IV 1800	50.1	59.2	60.9	61.8	62.6	62.7	62.9	62.9	62.9	63.1	63.3	63.3	63.4	63.4	63.5	63.8
IV 1500	51.2	61.8	63.8	64.8	65.8	65.9	66.1	66.1	66.1	66.3	66.6	66.6	66.7	66.7	66.8	67.0
IV 1200	52.4	64.7	67.1	68.3	69.5	69.6	69.8	69.8	69.8	70.0	70.2	70.2	70.3	70.3	70.4	70.6
IV 1000	52.9	66.0	68.6	69.9	71.2	71.4	71.6	71.6	71.6	71.8	72.0	72.0	72.2	72.2	72.3	72.5
IV 900	53.2	69.1	71.7	73.0	74.4	74.6	74.8	74.8	74.8	75.1	75.3	75.3	75.4	75.4	75.5	75.7
IV 800	53.5	70.1	73.0	74.3	75.8	76.2	76.5	76.5	76.5	76.7	76.9	76.9	77.0	77.0	77.1	77.3
IV 700	53.5	70.9	74.0	75.6	77.2	77.6	78.0	78.0	78.1	78.3	78.5	78.5	78.6	78.6	78.8	79.0
IV 600	53.8	71.9	75.6	77.2	79.4	79.8	80.2	80.3	80.4	80.6	80.9	80.9	81.1	81.1	81.3	81.5
IV 500	54.0	72.5	76.2	78.2	80.9	81.4	82.6	83.0	83.2	83.4	83.7	83.7	83.9	83.9	84.2	84.4
IV 400	54.0	72.9	76.8	79.2	82.3	83.0	84.6	85.4	85.7	86.1	86.3	86.3	86.6	86.6	87.1	87.4
IV 300	54.0	72.9	76.8	79.4	82.4	83.1	85.2	86.2	86.7	87.5	88.1	88.1	88.6	88.7	89.4	90.1
IV 200	54.0	72.9	76.8	79.4	82.4	83.1	85.2	86.9	87.5	88.7	89.7	89.8	90.8	91.2	92.3	94.0
IV 100	54.0	72.9	76.8	79.5	82.5	83.2	85.4	87.1	87.7	89.0	90.1	90.2	91.6	92.6	94.3	97.3
IV 0	54.0	72.9	76.8	79.5	82.5	83.2	85.4	87.1	87.7	89.0	90.1	90.2	91.6	92.7	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	35.6	38.6	39.1	39.1	39.1	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	40.3	43.8	44.6	44.6	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 18000	40.5	44.0	44.8	44.8	44.8	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 16000	40.6	44.1	44.9	44.9	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 14000	41.2	44.7	45.6	45.6	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 12000	41.9	45.4	46.2	46.2	46.2	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 10000	43.2	47.0	47.8	47.8	47.8	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3
IV 9000	44.0	47.7	48.6	48.6	48.6	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0
IV 8000	44.3	48.2	49.0	49.0	49.0	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5
IV 7000	44.6	48.6	49.5	49.5	49.5	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
IV 6000	45.4	49.5	50.4	50.4	50.4	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9
IV 5000	46.6	51.6	52.6	52.6	52.6	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
IV 4500	47.6	52.7	53.7	53.7	53.7	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1
IV 4000	48.2	53.4	54.6	54.6	54.6	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1
IV 3500	48.7	54.5	55.8	55.8	55.8	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2
IV 3000	50.0	56.1	57.4	57.4	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
IV 2500	52.5	59.2	60.6	60.6	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
IV 2000	54.1	62.2	63.8	63.9	64.1	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6
IV 1800	54.8	63.5	65.3	65.4	65.6	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
IV 1500	55.6	65.2	67.0	67.3	67.5	67.7	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
IV 1200	57.3	68.6	70.6	71.1	71.3	71.6	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
IV 1000	58.4	71.0	73.4	74.0	74.3	74.7	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
IV 900	58.6	71.9	74.5	75.2	75.6	76.0	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
IV 800	59.1	73.3	76.5	77.4	78.5	78.9	79.1	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8
IV 700	59.4	74.1	77.4	78.5	79.9	80.4	80.9	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.7
IV 600	59.4	74.6	78.5	79.7	81.4	81.9	82.7	83.3	83.4	83.8	84.0	84.0	84.0	84.0	84.0	84.1
IV 500	59.4	74.8	79.1	80.4	82.7	83.4	84.7	85.9	86.0	86.6	86.9	87.0	87.0	87.0	87.0	87.1
IV 400	59.4	75.3	79.9	81.2	83.5	84.3	85.9	87.7	88.1	89.0	89.7	89.8	89.8	89.8	90.0	90.1
IV 300	59.4	75.3	80.0	81.5	84.0	84.7	86.6	88.8	89.5	91.6	93.7	93.8	94.2	94.6	94.8	95.4
IV 200	59.4	75.3	80.0	81.5	84.0	84.7	86.8	89.1	89.8	92.5	94.9	95.1	96.0	96.8	97.1	98.5
IV 100	59.4	75.3	80.0	81.5	84.0	84.7	86.8	89.1	89.8	92.6	95.1	95.2	96.2	97.0	97.6	99.6
IV 0	59.4	75.3	80.0	81.5	84.0	84.7	86.8	89.1	89.8	92.6	95.1	95.2	96.2	97.0	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	41.9	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	46.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	46.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 16000	46.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 14000	47.3	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 12000	48.2	51.4	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
IV 10000	49.6	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 9000	49.9	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 8000	50.6	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 7000	50.9	54.8	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
IV 6000	51.4	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 5000	52.9	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 4500	54.4	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4000	55.2	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 3500	57.0	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
IV 3000	59.0	64.0	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
IV 2500	61.7	67.3	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
IV 2000	65.3	72.0	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1800	65.9	72.7	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1500	68.2	76.0	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 1200	70.1	79.7	80.8	81.3	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1000	70.9	81.6	82.8	83.7	84.2	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 900	71.0	82.8	84.1	84.9	85.5	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 800	71.4	83.5	84.9	85.9	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 700	71.5	84.0	85.8	87.1	88.3	88.4	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 600	71.7	84.6	86.7	88.0	89.2	89.4	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 500	71.7	84.9	87.3	88.7	90.3	90.9	92.4	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	71.7	85.1	87.4	88.8	90.6	91.4	93.3	94.6	94.9	95.8	95.8	95.8	95.9	95.9	95.9	95.9
IV 300	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.4	98.0	98.0	98.1	98.1	98.1	98.2
IV 200	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.4	99.8
IV 100	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.5	99.9
IV 0	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	46.3	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 20000	54.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	54.6	56.8	56.8	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 16000	54.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	54.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	55.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000	57.0	59.5	59.5	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 9000	57.1	59.8	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	59.9
IV 8000	58.2	60.9	60.9	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	58.7	61.4	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
IV 6000	58.8	61.7	61.7	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 5000	61.2	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4500	61.6	65.2	65.2	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 4000	62.5	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 3500	65.1	69.2	69.2	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 3000	66.9	71.5	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 2500	69.2	75.2	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2000	71.4	78.0	78.0	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1800	72.6	79.7	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 1500	74.2	82.2	82.2	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1200	75.5	84.5	84.6	85.3	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1000	75.6	85.7	86.1	87.0	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 900	75.7	86.1	86.7	87.6	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 800	75.7	86.3	86.9	87.8	88.8	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 700	75.9	87.0	87.5	88.5	89.6	89.8	90.0	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 600	76.1	87.6	88.2	89.5	91.1	91.3	91.6	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 500	76.1	87.8	88.5	90.1	92.3	92.6	93.0	94.2	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 400	76.1	88.0	88.6	90.2	92.7	93.0	93.4	95.1	95.3	95.9	96.2	96.2	96.2	96.2	96.2	96.2
IV 300	76.1	88.0	88.6	90.2	92.8	93.1	93.5	95.4	95.8	97.1	98.3	98.5	98.5	98.6	98.7	98.7
IV 200	76.1	88.0	88.6	90.2	92.8	93.1	93.5	95.4	95.9	97.3	98.6	98.8	99.2	99.4	99.7	99.8
IV 100	76.1	88.0	88.6	90.2	92.8	93.1	93.5	95.4	95.9	97.3	98.6	98.8	99.2	99.4	99.7	99.8
IV 0	76.2	88.1	88.7	90.3	92.9	93.2	93.7	95.5	96.0	97.4	98.7	98.9	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	49.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	54.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000	55.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	55.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	56.2	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	58.7	58.7
IV 12000	57.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000	57.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 9000	57.8	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000	58.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	59.4	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
IV 6000	59.6	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
IV 5000	60.6	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
IV 4500	62.3	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
IV 4000	63.2	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
IV 3500	64.6	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
IV 3000	66.0	71.3	71.4	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
IV 2500	68.4	74.7	74.9	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
IV 2000	70.1	77.8	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
IV 1800	71.0	79.0	79.2	79.5	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	72.4	81.7	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
IV 1200	72.6	82.8	83.1	83.5	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
IV 1000	72.8	83.5	83.9	84.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5
IV 900	72.8	84.0	84.4	85.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7
IV 800	72.8	84.0	84.4	85.5	87.0	87.0	87.3	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
IV 700	72.8	84.1	84.6	85.7	87.2	87.4	88.0	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
IV 600	72.8	84.8	85.6	87.2	89.2	89.7	90.2	90.4	90.5	90.9	91.0	91.0	91.0	91.0	91.0	91.0
IV 500	72.8	85.5	86.5	88.2	90.6	91.1	91.8	92.4	92.6	92.9	93.1	93.1	93.2	93.2	93.2	93.2
IV 400	72.8	85.5	86.7	88.4	91.1	91.8	92.8	93.4	94.0	94.7	95.3	95.3	95.4	95.4	95.4	95.4
IV 300	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.8	96.1	97.0	97.0	97.4	97.4	97.4	97.4
IV 200	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.9	96.2	97.3	97.3	98.7	98.7	98.7	98.9
IV 100	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.9	96.2	97.4	97.4	98.9	99.0	99.5	100.0
IV 0	72.8	85.5	86.7	88.5	91.2	91.9	93.2	94.0	94.9	96.2	97.4	97.4	98.9	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																	
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0		
NO CEILING	46.8	48.8	49.2	49.2	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.7	49.8	
IV 20000	49.5	51.7	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.6	52.7	
IV 18000	50.0	52.5	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.3	53.4	
IV 16000	50.1	52.6	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.4	53.5	
IV 14000	50.8	53.2	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	54.1	54.2	
IV 12000	51.0	53.4	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.3	54.4	
IV 10000	51.7	54.5	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.5	55.6	
IV 9000	51.7	54.5	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.5	55.6	
IV 8000	52.3	55.3	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.2	56.3	
IV 7000	52.6	55.8	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.6	56.6	56.8	56.9	
IV 6000	52.9	56.3	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.1	57.3	57.4	
IV 5000	54.3	58.3	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.2	59.4	
IV 4500	56.3	61.0	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	61.8	62.0	62.2	
IV 4000	56.9	61.9	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.0	63.1	
IV 3500	58.2	63.9	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.9	65.1	
IV 3000	59.8	65.6	66.0	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.9	67.0	
IV 2500	62.2	69.1	69.6	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.5	70.6	
IV 2000	63.8	71.8	72.3	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.0	73.0	73.2	73.3	
IV 1800	64.9	73.1	73.5	73.7	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.6	74.7	
IV 1500	65.8	75.3	75.7	75.8	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.6	76.6	76.8	76.9	
IV 1200	67.0	77.6	78.1	78.4	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.7	79.8	
IV 1000	67.1	79.0	79.7	80.1	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.5	81.6	
IV 900	67.3	80.5	81.2	81.9	83.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8	83.8	84.0	84.1	
IV 800	67.4	81.5	82.2	83.0	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.3	85.4	
IV 700	67.4	81.6	82.5	83.4	85.1	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.9	86.1	86.1	86.3	86.5	
IV 600	67.4	82.2	83.0	84.2	86.2	86.8	87.6	87.7	87.7	87.7	87.7	87.7	87.8	88.2	88.2	88.4	88.5	
IV 500	67.4	82.8	83.9	85.2	87.7	88.6	89.6	89.8	89.8	89.8	89.8	89.8	89.9	89.9	90.2	90.2	90.4	90.5
IV 400	67.4	83.0	84.6	86.1	88.8	90.2	91.4	92.2	92.2	92.2	92.3	92.4	92.4	92.7	92.7	92.9	93.0	
IV 300	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.6	92.9	93.2	93.7	94.8	94.9	96.7	96.8	97.2	97.6	
IV 200	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.8	93.2	93.7	94.8	94.9	96.7	96.8	97.2	97.6	97.6	
IV 100	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.8	93.4	94.2	95.4	95.5	97.4	97.6	98.4	99.5	99.5	
IV 0	67.4	83.0	84.6	86.2	88.9	90.3	91.7	92.8	93.4	94.2	95.4	95.5	97.4	97.6	98.4	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

70, 73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥¼	≥0	
NO CEILING ≥ 20000	42.1	44.2	44.6	44.8	44.9	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.2
IV 18000 16900	45.9	48.3	48.8	49.0	49.2	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5
IV 14000 12000	46.1	48.6	49.0	49.3	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.8
IV 10000 9000	46.3	48.8	49.2	49.4	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.9	49.9	49.9	50.0
IV 8000 7000	47.0	49.7	50.1	50.3	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.8
IV 6000 5000	47.7	50.3	50.8	51.0	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.5
IV 4500 4000	48.7	51.7	52.2	52.4	52.6	52.6	52.7	52.7	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.0
IV 3500 3000	48.9	52.0	52.5	52.7	52.9	52.9	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3
IV 2500 2000	49.5	52.7	53.1	53.4	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9	54.0	54.0
IV 1800 1500	50.0	53.2	53.7	53.9	54.1	54.2	54.2	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.5	54.5
IV 1200 1000	50.5	53.8	54.3	54.5	54.7	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.1	55.1	55.1	55.1
IV 900 800	51.7	55.6	56.1	56.3	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.9	56.9	56.9	57.0
IV 700 600	53.0	57.2	57.7	58.0	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.6	58.6
IV 500 400	53.7	58.1	58.7	59.0	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.6
IV 300 200	55.1	60.0	60.6	60.9	61.1	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.6
IV 100 0	56.7	61.9	62.5	62.8	63.1	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5
	58.6	65.0	65.6	65.9	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7
	60.4	67.9	68.6	68.9	69.3	69.3	69.4	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7
	61.3	69.0	69.8	70.1	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.0
	62.6	71.6	72.4	72.8	73.3	73.4	73.5	73.5	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8
	63.9	74.3	75.4	76.0	76.6	76.7	76.9	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.2	77.2
	64.4	76.0	77.3	78.1	78.8	79.0	79.1	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.5	79.5
	64.7	77.5	78.8	79.7	80.6	80.8	81.0	81.0	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.4
	64.9	78.3	79.8	80.8	82.0	82.2	82.4	82.5	82.6	82.7	82.7	82.7	82.8	82.8	82.9	82.9
	65.0	78.8	80.6	81.8	83.2	83.4	83.9	84.0	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.5
	65.1	79.6	81.6	83.0	84.8	85.1	85.8	86.1	86.2	86.4	86.5	86.5	86.6	86.6	86.7	86.7
	65.2	80.2	82.5	84.1	86.4	86.9	87.9	88.6	88.7	89.0	89.2	89.2	89.3	89.3	89.4	89.4
	65.2	80.5	83.0	84.9	87.4	88.1	89.5	90.5	90.7	91.3	91.6	91.6	91.7	91.8	91.9	92.0
	65.2	80.5	83.1	85.1	87.7	88.4	90.0	91.3	91.8	92.8	93.6	93.7	94.0	94.1	94.3	94.6
	65.2	80.5	83.1	85.2	87.8	88.5	90.1	91.7	92.3	93.5	94.7	94.8	95.9	96.1	96.6	97.4
	65.2	80.5	83.1	85.2	87.8	88.5	90.2	91.7	92.4	93.7	95.0	95.1	96.4	96.7	97.6	99.1
	65.2	80.6	83.1	85.2	87.8	88.5	90.2	91.8	92.4	93.7	95.0	95.1	96.4	96.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722936

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.2	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0
NO CEILING ≥ 20000	44.6	43.5	49.1	49.1	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.8	49.8	49.9	50.1
≥ 18000 IV 6500	46.3	50.6	51.2	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.7	51.7	51.8	51.8	52.0	52.4
IV 14000 IV 12000	47.6	51.9	52.5	52.5	52.7	52.7	52.7	52.8	52.8	52.8	53.0	53.0	53.2	53.2	53.3	53.5
IV 10000 IV 9000	48.3	53.0	53.5	53.5	53.8	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.3	54.3	54.4	54.6
IV 8000 IV 7000	49.5	54.1	54.7	54.7	55.0	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.4	55.4	55.6	55.8
IV 6000 IV 5000	50.0	54.7	55.3	55.3	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	56.0	56.0	56.1	56.4
IV 4500 IV 4000	51.1	55.0	55.6	55.6	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.3	56.3	56.4	56.6
IV 3500 IV 3000	51.5	57.1	57.7	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.2	58.2	58.4	58.4	58.5	58.7
IV 2500 IV 2000	52.5	58.4	59.2	59.6	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.3	60.3	60.4	60.6
IV 1800 IV 1500	52.8	58.7	59.6	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.6	60.6	60.8	61.0
IV 1200 IV 1000	53.2	59.6	60.4	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.5	61.5	61.6	61.8
IV 900 IV 800	54.5	61.5	62.4	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.5	63.5	63.6	63.8
IV 700 IV 600	55.4	63.2	64.2	64.5	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.2	65.2	65.4	65.6
IV 500 IV 400	57.4	66.4	67.4	68.0	68.3	68.3	68.3	68.4	68.4	68.4	68.6	68.6	68.8	68.8	68.9	69.1
IV 300 IV 200	57.8	67.1	68.1	68.9	69.3	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.7	69.7	69.9	70.1
IV 100 0	59.0	69.6	70.8	71.6	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.5	72.5	72.6	72.8
	60.2	71.6	74.0	74.9	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.8	75.8	76.2	76.2	76.4
	60.9	75.7	77.1	78.1	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.1	79.1	79.6	79.6	79.7
	61.2	78.3	80.0	81.1	81.8	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.5	82.5	82.6
	61.8	80.5	82.4	83.6	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5	85.0	85.0	85.1
	62.2	82.2	84.2	85.8	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.8	86.8	87.2	87.2	87.4
	62.2	83.2	85.2	87.4	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.9	88.9	89.0
	62.3	84.0	86.3	89.0	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.5	90.5	91.3	91.3	91.4
	62.3	84.2	86.4	89.5	91.1	91.3	91.5	92.0	92.1	92.1	92.2	92.2	92.9	92.9	93.0	93.3
	62.4	84.5	86.8	90.0	91.8	92.1	93.0	93.9	94.0	94.0	94.2	94.7	94.7	95.5	95.5	95.7
	62.4	84.5	86.8	90.0	91.8	92.1	93.0	94.1	94.3	94.3	94.3	95.0	96.1	96.1	97.3	97.4
	62.4	84.5	86.8	90.0	91.8	92.1	93.1	94.3	94.6	94.6	95.3	96.5	96.6	98.0	98.2	99.3
	62.4	84.5	86.8	90.0	91.8	92.1	93.1	94.3	94.6	94.6	95.3	96.5	96.6	98.0	98.2	99.3

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70, 73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	37.5	40.9	41.5	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.2	42.4	42.5	42.5	42.5	42.7
IV 18000 ≥ 6000	39.3	43.4	44.0	44.1	44.5	44.5	44.6	44.6	44.6	44.6	44.7	44.9	45.0	45.0	45.0	45.2
IV 14000 ≥ 2000	40.4	44.5	45.1	45.2	45.6	45.6	45.7	45.7	45.7	45.7	45.8	45.9	46.0	46.0	46.0	46.3
IV 10000 9000	40.7	44.9	45.4	45.6	45.9	45.9	46.0	46.0	46.0	46.0	46.2	46.3	46.4	46.4	46.4	46.6
IV 8000 7000	42.1	46.3	46.9	47.0	47.3	47.3	47.5	47.5	47.5	47.5	47.6	47.7	47.8	47.8	47.8	48.0
IV 6000 5000	42.7	47.2	47.8	47.9	48.3	48.3	48.4	48.4	48.4	48.4	48.5	48.6	48.8	48.8	48.8	49.0
IV 4500 4000	44.5	50.4	51.0	51.1	51.6	51.6	51.7	51.7	51.7	51.7	51.8	52.0	52.1	52.1	52.1	52.3
IV 3500 3000	44.9	51.5	52.2	52.3	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.1	53.3	53.3	53.3	53.5
IV 2500 2000	47.3	55.1	56.0	56.2	56.9	56.9	57.0	57.0	57.0	57.0	57.2	57.3	57.4	57.4	57.4	57.6
IV 1800 1500	48.8	58.0	58.9	59.3	60.1	60.1	60.2	60.2	60.2	60.2	60.4	60.5	60.6	60.6	60.6	60.8
IV 1200 1000	50.3	63.4	64.6	65.4	66.6	66.6	66.7	66.7	66.7	66.9	67.0	67.1	67.2	67.2	67.2	67.5
IV 900 800	52.2	68.2	69.7	71.0	72.5	72.5	72.7	72.7	72.7	72.9	73.0	73.1	73.3	73.3	73.3	73.5
IV 700 600	53.7	74.0	75.9	77.8	79.5	79.5	79.9	79.9	79.9	80.1	80.2	80.4	80.6	80.6	80.6	80.8
IV 500 400	53.8	76.6	79.2	82.1	84.5	84.5	85.0	85.2	85.2	85.6	85.7	85.8	86.0	86.0	86.0	86.3
IV 300 200	54.0	77.2	79.9	83.3	86.2	86.3	87.0	87.7	87.8	88.8	89.0	89.1	89.5	89.5	89.5	89.7
IV 100 0	54.0	77.2	80.2	84.3	87.3	87.3	87.6	89.1	91.6	92.2	94.7	95.7	95.9	97.5	97.8	98.0
	54.0	77.2	80.2	84.3	87.3	87.6	89.1	91.6	92.2	94.7	95.7	95.9	97.5	97.8	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	35.7	38.4	39.1	39.4	39.7	39.8	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.5
IV 18000 16000	37.8	40.9	41.6	42.0	42.4	42.6	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.3
IV 14000 12000	38.7	41.7	42.4	42.8	43.3	43.4	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	44.1
IV 10000 9000	39.2	42.6	43.3	43.6	44.1	44.2	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.9
IV 8000 7000	39.8	43.1	43.9	44.2	44.7	44.8	45.0	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.5
IV 6000 5000	41.6	45.5	46.2	46.6	47.0	47.2	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.9
IV 4500 4000	42.9	47.8	48.5	48.8	49.3	49.4	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	50.1
IV 3500 3000	43.5	48.5	49.2	49.6	50.6	50.7	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.4
IV 2500 2000	46.2	52.5	53.3	53.9	55.0	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.8
IV 1800 1500	47.4	55.2	56.1	57.0	58.2	58.3	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	59.0
IV 1200 1000	48.2	61.0	62.1	63.0	64.2	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.4
IV 900 800	50.2	64.8	66.3	67.3	68.8	69.6	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.4
IV 700 600	51.1	68.4	70.4	72.1	74.2	75.3	75.7	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.5
IV 500 400	51.3	70.1	72.8	75.1	77.8	79.2	80.5	81.3	81.8	82.0	82.5	82.5	82.6	82.6	82.6	83.1
IV 300 200	51.3	70.6	74.2	77.0	80.4	81.8	84.9	87.5	87.9	88.9	90.4	90.4	90.7	90.8	91.1	92.2
IV 100 0	51.3	70.6	74.2	77.0	80.5	81.9	85.5	88.3	89.0	90.7	93.3	93.4	94.7	95.2	96.2	99.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0	
NO CEILING	37.7	40.3	40.5	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.1	41.1	41.3	41.4
≥ 20000	41.0	44.1	44.4	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.2	45.2	45.3	45.4
IN 18000	41.7	44.8	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.9	45.9	46.0	46.1
IN 16000	41.7	44.8	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.9	45.9	46.0	46.1
IN 14000	42.3	45.4	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.5	46.5	46.6	46.7
IN 12000	42.3	45.4	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.5	46.5	46.6	46.7
IN 10000	43.0	46.2	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.3	47.3	47.4	47.5
IN 9000	43.1	46.5	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.5	47.6	47.8
IN 8000	43.7	47.0	47.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.2	48.3
IN 7000	44.2	47.9	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	49.1	49.2
IN 6000	45.2	48.9	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.0	50.1	50.2
IN 5000	46.0	50.1	50.6	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.7	51.7	51.8	51.9
IN 4500	46.7	51.1	51.5	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.8	53.0
IN 4000	47.0	51.5	52.0	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.3	53.4
IN 3500	47.8	52.4	52.8	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.1	54.3
IN 3000	49.4	54.7	55.2	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.7	56.7	56.9	57.0
IN 2500	51.9	58.0	58.5	59.2	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.2	60.2	60.3	60.4
IN 2000	53.2	60.5	61.0	61.7	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.8	62.8	62.9	63.0
IN 1800	53.9	61.8	62.3	63.0	63.6	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	64.2	64.2	64.3	64.4
IN 1500	55.8	65.5	66.0	66.9	67.6	67.7	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.3	68.3	68.4	68.6
IN 1200	57.0	69.5	70.2	71.3	72.1	72.3	72.5	72.6	72.6	72.7	72.8	72.8	72.8	73.0	73.0	73.2	73.3
IN 1000	58.0	72.3	73.2	74.5	75.5	75.9	76.2	76.4	76.4	76.5	76.6	76.6	76.6	76.8	76.8	77.0	77.1
IN 900	58.6	73.8	74.9	77.0	78.3	78.6	79.0	79.3	79.3	79.4	79.6	79.6	79.6	79.8	79.8	79.9	80.0
IN 800	58.7	75.1	76.8	78.8	80.7	81.1	81.9	82.4	82.5	82.6	82.7	82.7	82.7	83.0	83.0	83.1	83.2
IN 700	59.0	76.1	78.3	80.4	82.6	83.0	84.2	85.0	85.1	85.2	85.3	85.3	85.3	85.6	85.6	85.7	85.8
IN 600	59.0	77.0	79.2	81.7	84.4	84.8	86.4	87.6	87.7	87.8	88.1	88.1	88.1	88.3	88.3	88.4	88.5
IN 500	59.0	77.2	79.8	82.5	86.1	86.5	88.5	89.8	90.1	90.2	90.7	90.7	90.7	90.9	90.9	91.0	91.1
IN 400	59.0	77.4	80.0	83.0	86.6	87.1	89.6	91.1	91.4	92.9	93.9	93.9	93.9	94.1	94.1	94.2	94.3
IN 300	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.3	92.7	94.8	96.1	96.1	96.1	96.5	96.6	96.7	96.8
IN 200	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.7	93.0	95.3	96.7	96.9	96.9	97.6	98.0	98.2	98.5
IN 100	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.7	93.0	95.4	96.9	97.2	97.2	98.1	98.8	99.5	99.9
IN 0	59.0	77.4	80.0	83.2	87.1	87.7	90.3	92.7	93.0	95.4	96.9	97.2	97.2	98.1	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	47.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	53.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 18000	53.3	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 16000	53.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000	54.4	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 12000	55.3	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
IV 10000	56.5	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	56.6	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	58.5
IV 8000	57.4	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 7000	57.8	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	60.0
IV 6000	58.9	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
IV 5000	59.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 4500	60.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 4000	61.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3500	63.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 3000	65.1	68.2	68.2	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
IV 2500	67.1	71.5	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
IV 2000	70.6	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1800	71.3	77.9	78.0	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
IV 1500	72.3	80.9	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
IV 1200	73.4	84.2	84.4	84.6	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1000	74.3	86.8	87.2	87.6	88.2	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 900	74.5	87.8	88.4	88.8	89.4	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	74.6	88.9	89.5	90.2	90.9	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 700	74.6	89.4	90.1	91.1	92.1	92.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600	74.6	89.8	90.7	92.1	93.3	93.6	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	74.6	90.3	91.1	92.8	94.3	94.7	95.9	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	74.6	90.4	91.3	92.9	94.6	94.9	96.6	96.8	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8
IV 300	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.4	98.1	98.7	99.2	99.2	99.2	99.2	99.3	99.3
IV 200	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.5	98.2	98.8	99.4	99.4	99.4	99.5	99.6	99.8
IV 100	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.5	98.2	98.8	99.5	99.6	99.6	99.8	99.9	100.0
IV 0	74.6	90.4	91.3	92.9	94.6	94.9	96.8	97.5	98.2	98.8	99.5	99.6	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

PANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	53.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	59.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 18000	59.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	59.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 14000	61.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	62.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	63.2	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
IV 9000	63.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 8000	64.8	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	67.4
IV 7000	66.3	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
IV 6000	66.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 5000	67.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4500	69.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 4000	70.9	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	74.1
IV 3500	73.0	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	76.6	76.6
IV 3000	75.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 2500	77.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000	78.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	78.6	85.2	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 1500	79.3	86.9	87.4	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	80.3	88.8	89.8	90.0	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1000	81.1	90.2	91.3	91.7	92.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 900	81.2	90.4	91.6	92.1	92.4	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	81.2	90.9	92.2	92.7	93.0	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	81.6	91.4	92.8	93.7	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	81.7	92.0	93.4	94.3	95.0	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 500	81.7	92.6	94.2	95.2	96.0	96.3	96.9	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5
IV 400	81.7	92.6	94.2	95.2	96.1	96.5	97.4	97.9	98.2	98.7	98.7	98.7	98.9	98.9	98.9	98.9
IV 300	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.5	99.5	99.8	99.8	99.8	99.8
IV 200	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9
IV 100	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.6	99.6	99.9	100.0	100.0	100.0
IV 0	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.6	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722936

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0	
NO CEILING ≥ 20000	55.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0
IV 18000 IV 16000	62.4	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	65.5	65.5	65.6
IV 14000 IV 12000	63.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0
IV 10000 IV 9000	66.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4
IV 8000 IV 7000	67.4	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	70.7
IV 6000 IV 5000	68.9	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	72.8
IV 4500 IV 4000	70.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
IV 3500 IV 3000	72.8	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	77.7
IV 2500 IV 2000	74.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8
IV 1800 IV 1500	76.2	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	83.1	83.2
IV 1200 IV 1000	77.7	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	85.7
IV 900 IV 800	77.7	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6
IV 700 IV 600	78.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7
IV 500 IV 400	79.1	89.6	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	90.4
IV 300 IV 200	79.8	91.1	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.0
IV 100 0	79.8	91.8	92.4	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1
	79.8	92.2	92.9	93.4	93.5	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0
	79.8	92.4	93.3	93.9	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.6
	79.8	92.7	93.6	94.2	94.7	94.9	95.0	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.5
	79.9	92.8	93.7	94.3	95.0	95.4	95.9	96.1	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.8
	79.9	92.9	94.3	95.0	95.7	96.1	96.8	97.0	97.0	97.8	98.0	98.8	99.2	99.2	99.2	99.2	99.3
	79.9	92.9	94.3	95.0	96.0	96.3	97.2	97.8	98.2	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.8
	79.9	92.9	94.3	95.0	96.0	96.3	97.2	97.8	98.2	99.1	99.5	99.5	99.6	99.6	99.6	99.6	100.0
	79.9	92.9	94.3	95.0	96.0	96.3	97.2	97.8	98.2	99.1	99.5	99.5	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	54.0 57.4	57.0 60.4	57.1 60.5	57.3 60.8	57.3 60.8	57.3 60.8	57.4 60.9	57.4 60.9	57.4 60.9	57.4 60.9	57.4 60.9	57.4 60.9	57.4 60.9	57.4 60.9	57.6 61.0	57.7 61.1
≥ 18000 IV 16000	57.4 58.7	60.4 61.0	60.5 61.1	60.8 61.3	60.8 61.3	60.8 61.3	60.9 61.5	60.9 61.5	60.9 61.5	60.9 61.5	60.9 61.5	60.9 61.5	60.9 61.5	60.9 61.5	61.0 61.5	61.1 61.7
≥ 14000 IV 12000	58.4 59.5	61.3 62.4	61.5 62.5	61.7 62.8	61.7 62.8	61.7 62.8	61.8 62.9	61.8 62.9	61.8 62.9	61.8 62.9	61.8 62.9	61.8 62.9	61.8 62.9	61.8 62.9	61.9 63.0	62.1 63.1
≥ 10000 IV 9000	60.0 60.6	63.5 64.1	63.6 64.2	63.8 64.4	63.8 64.4	63.8 64.4	63.9 64.5	63.9 64.5	63.9 64.5	63.9 64.5	63.9 64.5	63.9 64.5	63.9 64.5	63.9 64.5	64.1 64.7	64.2 64.8
≥ 8000 IV 7000	61.5 62.5	64.9 66.1	65.0 66.2	65.2 66.4	65.2 66.4	65.2 66.4	65.4 66.5	65.4 66.5	65.4 66.5	65.4 66.5	65.4 66.5	65.4 66.5	65.4 66.5	65.4 66.5	65.5 66.7	65.6 66.8
≥ 6000 IV 5000	63.7 65.7	67.5 69.4	67.6 69.6	67.8 69.9	67.8 69.9	67.8 69.9	68.0 70.0	68.0 70.0	68.0 70.0	68.0 70.0	68.0 70.0	68.0 70.0	68.0 70.0	68.0 70.0	68.1 70.1	68.2 70.2
≥ 4500 IV 4000	65.1 65.6	69.9 70.4	70.1 70.7	70.3 70.9	70.3 70.9	70.3 70.9	70.4 71.0	70.4 71.0	70.4 71.0	70.4 71.0	70.4 71.0	70.4 71.0	70.4 71.0	70.4 71.0	70.6 71.2	70.7 71.3
≥ 3500 IV 3000	66.1 67.0	71.4 72.6	71.6 72.8	71.9 73.0	71.9 73.0	71.9 73.0	72.0 73.2	72.0 73.2	72.0 73.2	72.0 73.2	72.0 73.2	72.0 73.2	72.0 73.2	72.0 73.2	72.1 73.3	72.2 73.4
≥ 2500 IV 2000	68.7 69.5	75.2 77.1	75.5 77.4	75.8 77.7	75.8 77.7	75.8 77.7	76.2 78.1	76.2 78.1	76.2 78.1	76.2 78.1	76.2 78.1	76.2 78.1	76.2 78.1	76.2 78.1	76.4 78.3	76.5 78.4
≥ 1800 IV 1500	69.9 71.0	77.7 80.3	78.0 80.7	78.4 81.1	78.5 81.2	78.5 81.2	79.0 81.7	79.0 81.8	79.0 81.8	79.0 81.8	79.0 81.8	79.0 81.8	79.0 81.8	79.0 81.8	79.1 81.9	79.2 82.0
≥ 1200 IV 1000	72.2 73.5	82.9 86.3	83.3 86.8	83.7 87.4	83.8 87.5	83.8 87.5	84.3 87.9	84.4 88.1	84.4 88.1	84.4 88.1	84.4 88.1	84.4 88.1	84.4 88.1	84.4 88.1	84.5 88.2	84.6 88.3
≥ 900 IV 800	74.1 74.1	87.4 87.9	87.8 88.5	88.4 89.2	88.5 89.4	88.5 89.4	89.0 89.8	89.1 90.0	89.1 90.0	89.1 90.0	89.1 90.0	89.1 90.0	89.1 90.0	89.1 90.0	89.2 90.1	89.4 90.3
≥ 700 IV 600	74.3 74.5	88.8 89.5	89.7 90.8	90.5 91.8	90.8 92.1	90.8 92.1	91.3 92.8	91.4 92.9	91.4 92.9	91.4 92.9	91.4 92.9	91.5 93.0	91.5 93.0	91.5 93.0	91.5 93.1	91.7 93.3
≥ 500 IV 400	74.5 74.5	89.8 89.8	91.6 91.7	93.1 93.4	93.6 94.4	93.6 94.4	94.8 96.0	94.9 96.2	94.9 96.2	94.9 96.2	94.9 96.2	95.0 96.5	95.0 96.7	95.0 96.7	95.2 96.8	95.3 96.9
≥ 300 IV 200	74.5 74.5	90.1 90.1	92.0 92.1	93.6 93.7	94.9 95.0	95.2 95.3	96.7 97.0	97.2 97.8	97.2 97.8	97.2 97.8	97.2 97.8	97.4 98.1	97.9 98.7	97.9 98.7	98.0 98.9	98.1 99.1
≥ 100 IV 0	74.5 74.5	90.1 90.1	92.1 92.1	93.7 93.7	95.0 95.0	95.3 95.3	97.0 97.0	97.8 97.8	97.9 97.9	98.1 98.1	98.7 98.7	98.7 98.7	98.9 98.9	99.1 99.1	99.5 99.5	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	45.6	48.3	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.1	49.1	49.1	49.3
IV 20000	49.6	52.6	52.9	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.6
IV 18000	49.8	52.8	53.1	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.8
IV 16000	50.1	53.1	53.4	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	54.1
IV 14000	50.9	53.9	54.2	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.9
IV 12000	51.4	54.6	54.9	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.6
IV 10000	52.2	55.4	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.4
IV 9000	52.3	55.6	55.9	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.6
IV 8000	53.3	56.6	56.9	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.6
IV 7000	54.1	57.6	57.9	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.6
IV 6000	54.7	58.5	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.5
IV 5000	55.8	59.9	60.2	60.4	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	61.0
IV 4500	56.4	60.8	61.2	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	62.0
IV 4000	57.2	61.7	62.1	62.3	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	63.0
IV 3500	58.1	62.9	63.3	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.2
IV 3000	59.5	64.9	65.3	65.5	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.2
IV 2500	61.3	67.7	68.1	68.4	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.2
IV 2000	62.8	70.4	70.9	71.2	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.9	71.9	71.9	72.1
IV 1800	63.2	71.2	71.7	72.1	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8	73.0
IV 1500	64.1	73.7	74.3	74.8	75.3	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.9
IV 1200	65.1	76.5	77.3	77.9	78.5	78.6	78.7	78.7	78.7	78.8	78.8	78.9	79.0	79.0	79.0	79.1
IV 1000	66.1	78.9	79.8	80.6	81.3	81.5	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.1	82.2
IV 900	66.5	80.3	81.4	82.3	83.1	83.3	83.6	83.7	83.7	83.7	83.8	83.8	83.9	83.9	83.9	84.1
IV 800	66.8	81.8	83.1	84.2	85.1	85.4	85.7	85.8	85.9	85.9	86.0	86.0	86.1	86.1	86.2	86.3
IV 700	67.0	82.8	84.3	85.7	86.8	87.0	87.5	87.7	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.2
IV 600	67.1	83.6	85.3	87.0	88.3	88.6	89.3	89.5	89.6	89.7	89.8	89.8	89.9	89.9	90.0	90.1
IV 500	67.1	84.2	86.1	88.0	89.7	90.1	91.0	91.4	91.5	91.7	91.9	91.9	92.1	92.1	92.1	92.3
IV 400	67.1	84.4	86.5	88.6	90.6	91.0	92.3	93.0	93.2	93.8	94.2	94.2	94.4	94.4	94.5	94.6
IV 300	67.2	84.5	86.6	88.8	90.9	91.4	93.0	94.3	94.6	95.5	96.2	96.2	96.5	96.5	96.7	96.9
IV 200	67.2	84.5	86.6	88.9	91.0	91.5	93.3	94.7	95.2	96.3	97.3	97.3	97.8	97.9	98.2	98.7
IV 100	67.2	84.5	86.6	88.9	91.1	91.5	93.3	94.8	95.2	96.4	97.5	97.6	98.3	98.6	99.0	99.8
IV 0	67.2	84.5	86.6	88.9	91.1	91.5	93.3	94.8	95.2	96.4	97.5	97.6	98.3	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6767

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	39.6	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 20000	42.9	46.9	47.2	47.6	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	43.1	47.1	47.4	47.8	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 16000	43.7	47.6	48.0	48.4	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 14000	44.7	48.7	49.0	49.5	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 12000	45.5	49.8	50.1	50.5	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 10000	45.7	50.3	50.6	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 9000	45.7	50.3	50.6	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 8000	46.2	51.0	51.3	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	46.7	51.4	51.7	52.2	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 6000	46.9	51.7	52.0	52.5	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 5000	47.8	52.9	53.2	53.7	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 4500	49.7	54.2	54.5	54.9	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 4000	49.1	54.3	54.6	55.1	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 3500	50.3	55.6	55.9	56.3	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 3000	51.4	57.1	57.4	58.0	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2500	52.4	59.5	59.8	60.3	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 2000	53.3	61.5	61.8	62.4	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 1800	54.3	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 1500	55.6	67.6	68.3	68.9	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 1200	57.3	73.2	74.0	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 1000	58.4	76.6	77.7	79.2	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 900	58.6	79.5	81.0	82.6	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 800	59.5	82.2	84.2	85.9	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 700	59.9	83.8	85.9	87.7	88.5	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 600	60.1	85.2	87.4	89.7	90.5	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 500	60.2	85.8	88.3	90.9	92.3	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	60.2	86.0	88.5	91.2	92.9	93.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	60.2	86.1	88.6	91.4	93.2	93.4	94.3	94.8	95.4	95.8	96.1	96.1	96.2	96.2	96.2	96.3
IV 200	60.2	86.1	88.6	91.4	93.2	93.5	94.6	95.6	96.3	96.9	97.3	97.3	97.7	97.8	98.3	98.6
IV 100	60.2	86.1	88.6	91.4	93.2	93.5	94.6	95.7	96.5	97.0	97.6	97.6	98.1	98.3	98.8	99.4
IV 0	60.2	86.1	88.6	91.4	93.2	93.5	94.6	95.7	96.5	97.0	97.6	97.6	98.1	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS (L.M.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	32.3	36.1	36.2	36.7	37.3	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.8	37.8	38.1
≥ 20000	35.1	39.5	39.6	40.0	40.6	40.6	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.4
IV 18000	35.4	39.8	39.9	40.3	41.0	41.0	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.7
IV 16000	35.7	40.1	40.2	40.6	41.3	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8	42.0
IV 14000	36.7	41.2	41.3	41.7	42.4	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9	43.1
IV 12000	37.5	42.2	42.3	42.7	43.3	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	44.1
IV 10000	38.1	42.8	42.9	43.3	44.0	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.7
IV 9000	38.3	43.0	43.1	43.5	44.2	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	44.9
IV 8000	39.0	43.8	43.9	44.3	44.9	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.7
IV 7000	39.8	44.5	44.6	45.1	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.5
IV 6000	40.2	44.9	45.1	45.5	46.1	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.7	46.7	46.9
IV 5000	40.8	45.7	45.9	46.3	47.0	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.7
IV 4500	41.3	46.2	46.5	46.9	47.5	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.4
IV 4000	41.4	46.3	46.6	47.0	47.6	47.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.5
IV 3500	42.3	47.2	47.4	47.8	48.5	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.4
IV 3000	43.1	48.3	48.5	48.9	49.6	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.4
IV 2500	44.4	51.1	51.4	51.8	52.5	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.3
IV 2000	44.9	52.3	52.6	53.0	53.7	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.6
IV 1800	45.5	53.5	53.9	54.3	54.9	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.9
IV 1500	46.9	58.7	59.1	59.8	60.4	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.4
IV 1200	49.1	63.7	64.1	65.1	65.7	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.7
IV 1000	50.3	67.5	68.3	69.4	70.0	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8	71.0
IV 900	51.2	71.5	72.3	73.5	74.2	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.2
IV 800	51.7	74.6	75.9	77.3	78.1	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	79.0
IV 700	51.9	75.9	77.6	79.4	80.3	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.3
IV 600	51.9	77.6	80.1	82.4	83.4	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.5
IV 500	51.9	78.3	81.4	84.3	86.1	86.5	87.1	87.2	87.3	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.8
IV 400	52.0	78.7	82.4	86.0	88.6	89.5	90.3	90.5	90.6	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.2
IV 300	52.0	78.8	82.7	86.5	89.4	90.3	91.4	92.5	92.6	92.9	93.2	93.2	93.3	93.4	93.7	93.9	94.1
IV 200	52.0	78.8	82.7	86.5	89.5	90.6	92.0	93.3	93.5	94.5	95.4	95.4	95.4	96.2	96.5	97.0	97.4
IV 100	52.0	78.8	82.7	86.5	89.5	90.6	92.0	93.3	93.5	94.7	95.7	95.8	95.8	96.9	97.1	98.3	98.9
IV 0	52.0	78.8	82.7	86.5	89.5	90.6	92.0	93.3	93.5	94.7	95.7	95.8	96.9	97.1	98.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	29.7	33.3	33.7	34.3	34.5	34.7	34.9	35.2	35.2	35.4	35.6	35.6	35.6	35.6	35.6	35.8
≥ 20000	33.1	38.2	38.6	39.2	39.6	39.8	40.0	40.2	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.9
IV 18000	33.3	38.4	38.8	39.5	39.8	40.0	40.2	40.4	40.4	40.6	40.9	40.9	40.9	40.9	40.9	41.1
IV 16000	33.9	38.8	39.2	39.9	40.2	40.4	40.6	40.9	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.5
IV 14000	34.3	39.7	40.1	40.8	41.1	41.3	41.5	41.7	41.7	41.9	42.2	42.2	42.2	42.2	42.2	42.4
IV 12000	34.7	40.1	40.5	41.2	41.5	41.7	41.9	42.2	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.8
IV 10000	35.9	41.7	42.2	42.8	43.1	43.3	43.5	43.8	43.8	44.0	44.2	44.2	44.2	44.2	44.2	44.4
IV 9000	36.0	42.2	42.6	43.2	43.5	43.8	44.1	44.3	44.3	44.5	44.7	44.7	44.7	44.7	44.7	44.9
IV 8000	36.9	43.0	43.4	44.1	44.5	44.7	45.1	45.3	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.9
IV 7000	37.3	43.4	43.9	44.5	44.9	45.2	45.5	45.7	45.7	45.9	46.1	46.1	46.1	46.1	46.1	46.3
IV 6000	38.2	44.4	44.8	45.5	45.9	46.1	46.5	46.7	46.7	46.9	47.1	47.1	47.1	47.1	47.1	47.3
IV 5000	38.2	44.4	44.8	45.5	45.9	46.1	46.5	46.8	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.4
IV 4500	38.7	44.9	45.4	46.0	46.5	46.8	47.1	47.4	47.4	47.6	47.8	47.8	47.8	47.8	47.8	48.1
IV 4000	38.7	44.9	45.4	46.0	46.5	46.8	47.1	47.4	47.4	47.6	47.8	47.8	47.8	47.8	47.8	48.1
IV 3500	38.9	45.4	45.8	46.5	46.9	47.2	47.5	47.8	47.8	48.1	48.3	48.3	48.3	48.3	48.3	48.5
IV 3000	40.2	47.5	48.0	48.6	49.1	49.5	49.9	50.2	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.9
IV 2500	41.8	50.5	51.3	52.0	52.7	53.1	53.7	54.0	54.0	54.2	54.5	54.5	54.5	54.5	54.5	54.7
IV 2000	42.6	53.5	54.3	55.1	55.7	56.1	56.8	57.1	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.8
IV 1800	43.3	54.7	55.6	56.3	57.0	57.4	58.1	58.4	58.4	58.6	58.9	58.9	58.9	58.9	58.9	59.1
IV 1500	44.5	57.4	58.4	59.6	60.2	60.6	61.3	61.6	61.6	61.8	62.2	62.2	62.2	62.2	62.2	62.4
IV 1200	45.8	60.9	62.2	63.4	64.2	64.6	65.4	65.8	65.8	66.0	66.3	66.3	66.3	66.3	66.3	66.6
IV 1000	46.7	63.2	64.9	66.6	67.5	68.0	68.7	69.2	69.2	69.5	69.8	69.8	69.8	69.8	69.8	70.0
IV 900	47.1	65.3	67.2	69.2	70.4	70.9	71.8	72.4	72.4	72.7	73.0	73.0	73.0	73.0	73.0	73.2
IV 800	47.3	67.3	69.7	72.7	74.0	74.4	75.4	76.0	76.0	76.6	76.9	76.9	76.9	76.9	76.9	77.1
IV 700	47.4	68.2	70.8	74.0	75.5	76.0	77.0	77.7	77.7	78.3	78.6	78.6	78.6	78.6	78.6	78.8
IV 600	47.4	68.6	71.5	75.1	76.8	77.4	78.5	79.4	79.6	80.2	80.5	80.5	80.5	80.5	80.5	80.8
IV 500	47.4	69.1	72.5	76.8	78.9	79.7	81.1	82.2	82.4	83.3	83.9	83.9	84.0	84.0	84.1	84.3
IV 400	47.4	69.1	72.6	77.4	80.0	81.0	82.8	84.0	84.2	85.7	86.3	86.5	86.8	86.8	86.9	87.3
IV 300	47.4	69.1	72.8	77.7	81.2	82.2	84.5	86.1	86.6	89.6	91.0	91.1	91.8	92.0	92.8	93.3
IV 200	47.4	69.1	72.8	77.8	81.3	82.3	84.7	86.7	87.1	90.3	92.6	92.8	94.7	94.9	95.8	97.2
IV 100	47.4	69.1	72.8	77.8	81.3	82.3	84.7	86.8	87.2	90.4	92.8	93.0	95.2	95.5	96.9	99.1
IV 0	47.4	69.1	72.8	77.8	81.3	82.3	84.7	86.8	87.2	90.4	92.9	93.1	95.3	95.6	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72236

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	36.4	37.8	38.1	38.2	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	42.6	44.5	44.7	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	43.0	44.9	45.2	45.3	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	43.5	45.6	45.8	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	43.9	45.9	46.1	46.2	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	45.2	47.3	47.5	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	46.6	48.9	49.1	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9500	46.6	49.4	49.7	49.8	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 8000	47.3	50.2	50.5	50.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	47.8	50.9	51.2	51.3	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	48.0	51.0	51.3	51.6	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 5000	48.7	51.9	52.5	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	49.4	52.6	53.1	53.4	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4000	49.7	53.0	53.5	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 3500	50.5	54.2	54.8	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3000	51.2	55.8	56.5	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 2500	53.2	59.5	60.2	61.1	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 2000	54.7	63.0	63.8	64.6	64.9	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 1800	54.9	63.7	64.5	65.4	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1500	56.3	67.7	68.9	69.8	70.5	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1200	57.1	71.6	73.1	74.1	75.3	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1000	57.4	73.8	75.6	76.9	78.6	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 900	57.5	74.6	77.1	78.6	80.4	80.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	57.5	75.7	78.9	80.6	82.7	83.0	83.4	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8
≥ 700	57.5	76.5	79.9	82.2	84.6	84.9	85.5	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9
≥ 600	57.7	76.9	81.1	84.2	87.2	87.5	88.5	88.9	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 500	57.7	77.0	81.5	84.9	88.4	88.7	89.8	90.6	90.9	91.3	91.4	91.4	91.5	91.5	91.5	91.5
≥ 400	57.7	77.1	81.6	85.3	88.7	89.4	90.6	92.2	92.4	93.1	93.5	93.7	93.9	93.9	94.2	94.2
≥ 300	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.0	93.3	94.7	95.6	96.0	96.3	96.3	96.7	96.7
≥ 200	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2	93.5	95.1	96.7	97.1	97.6	98.0	98.6	98.9
≥ 100	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2	93.5	95.3	96.9	97.3	97.8	98.2	99.2	99.8
0	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2	93.5	95.3	96.9	97.3	97.8	98.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

70,73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

HOURS (L.A.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	44.3	45.9	45.9	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	54.7	56.9	56.9	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 18000	55.4	57.5	57.5	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 16000	56.7	58.5	58.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 14000	56.1	58.6	58.6	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 12000	57.3	60.0	60.0	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 10000	58.4	61.3	61.3	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000	58.6	61.6	61.6	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 8000	60.1	63.1	63.1	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 7000	60.4	63.5	63.5	63.5	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000	60.8	63.9	63.9	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000	61.8	65.3	65.3	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4500	62.5	65.9	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4000	62.9	67.1	67.1	67.1	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 3500	64.4	68.7	68.7	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 3000	67.0	72.2	72.2	72.2	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 2500	68.2	75.5	75.6	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 2000	69.9	79.0	79.1	79.1	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 1800	70.5	80.3	80.4	80.6	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	72.2	84.7	85.1	85.7	86.0	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	72.8	87.3	88.0	88.6	89.0	89.1	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	73.0	88.3	89.2	90.2	90.8	90.9	91.6	91.7	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	73.1	88.9	90.0	91.2	91.7	91.8	92.7	92.8	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	73.1	89.1	90.5	91.8	92.5	92.8	93.8	93.9	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	73.2	89.4	91.1	92.6	93.4	93.9	94.8	94.9	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	73.2	89.4	91.2	92.8	93.9	94.4	95.5	95.6	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	73.2	89.4	91.2	92.8	94.5	95.2	96.2	96.6	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	73.2	89.4	91.2	92.8	94.7	95.4	96.7	97.0	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.3	97.7	98.5	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.4	98.1	98.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.4	98.1	98.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.4	98.1	98.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70, 73-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	48.6	49.1	49.1	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000	59.9	61.6	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IN 18000	60.1	61.8	61.8	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IN 16000	60.3	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IN 14000	61.3	63.2	63.2	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
IN 12000	62.6	64.6	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IN 10000	63.9	66.2	66.2	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IN 9000	63.9	66.3	66.3	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IN 8000	65.7	68.2	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IN 7000	67.3	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IN 6000	68.2	71.1	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	71.4
IN 5000	70.1	73.4	73.4	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IN 4500	70.4	73.8	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IN 4000	71.8	76.3	76.3	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
IN 3500	73.5	78.0	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IN 3000	77.0	82.5	82.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IN 2500	79.2	86.0	86.0	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IN 2000	80.2	88.0	88.2	88.5	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IN 1800	80.3	88.5	88.7	89.0	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IN 1500	81.3	91.2	92.2	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IN 1200	81.7	92.6	93.5	94.3	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IN 1000	82.2	93.4	94.4	95.2	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	82.2	93.9	95.1	95.8	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IN 800	82.2	94.3	95.5	96.3	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IN 700	82.3	94.4	95.7	96.6	97.2	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IN 600	82.3	94.5	95.8	96.7	97.3	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 500	82.3	94.6	95.9	96.8	97.7	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 400	82.3	94.6	95.9	96.8	97.7	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 300	82.3	94.6	95.9	96.8	97.7	98.1	98.6	99.0	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5
IN 200	82.3	94.6	95.9	96.8	97.7	98.1	98.7	99.1	99.2	99.2	99.6	99.7	99.8	99.8	99.9	99.9
IN 100	82.3	94.6	95.9	96.8	97.7	98.1	98.7	99.1	99.2	99.2	99.6	99.7	99.8	99.8	100.0	100.0
IN 50	82.3	94.6	95.9	96.8	97.7	98.1	98.7	99.1	99.2	99.2	99.6	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	51.7	53.7	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000 IV 16000	62.5	65.3	65.4	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
IV 14000 IV 12000	64.5	67.4	67.5	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 10000 IV 9000	68.2	71.6	71.7	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 8000 IV 7000	69.1	72.8	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 6000 IV 5000	70.9	75.1	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 4500 IV 4000	73.7	78.2	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3500 IV 3000	75.7	81.0	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2500 IV 2000	78.2	85.7	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
IV 1800 IV 1500	79.1	88.4	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
IV 1200 IV 1000	79.9	91.0	91.6	92.4	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 900 IV 800	80.5	92.4	93.1	94.0	94.0	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700 IV 600	80.5	93.4	94.2	95.1	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500 IV 400	80.6	94.1	94.9	95.8	96.2	96.3	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300 IV 200	80.6	94.3	95.2	96.1	96.6	96.7	97.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100 IV 0	80.6	94.4	95.4	96.5	97.2	97.3	97.8	98.3	98.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1
	80.6	94.4	95.4	96.5	97.2	97.3	97.8	98.3	98.6	99.0	99.1	99.1	99.2	99.5	99.5	99.8
	80.6	94.4	95.4	96.5	97.2	97.3	97.8	98.3	98.6	99.0	99.1	99.2	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	52.4	56.1	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000 IV 16000	55.6	59.7	60.0	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 14000 IV 12000	56.3	60.4	60.8	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
IV 10000 IV 9000	56.6	60.6	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000 IV 7000	57.8	62.3	62.6	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 6000 IV 5000	59.9	64.5	64.8	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 4500 IV 4000	60.3	64.9	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 3500 IV 3000	60.5	65.2	65.5	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
IV 2500 IV 2000	60.9	65.5	65.8	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
IV 1800 IV 1500	61.6	66.8	67.1	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 1200 IV 1000	62.3	67.3	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 900 IV 800	62.6	68.4	68.7	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
IV 700 IV 600	63.8	69.6	69.9	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
IV 500 IV 400	64.2	70.0	70.3	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 300 IV 200	64.5	70.4	70.8	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 100 0	65.6	72.3	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	66.3	74.0	74.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
	67.6	76.6	77.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
	68.3	77.7	78.4	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
	69.4	80.4	81.6	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	70.8	84.8	86.0	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
	71.7	87.6	89.1	90.8	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
	72.0	88.5	90.2	91.8	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	72.3	89.7	91.4	93.2	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
	72.3	90.2	92.0	93.9	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
	72.4	90.8	92.6	94.7	95.6	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
	72.4	90.9	92.8	95.1	96.2	96.3	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
	72.4	90.9	92.8	95.1	96.5	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.8	98.2	98.7	98.8	98.8	98.8	98.9	99.0	99.0
	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.8	98.2	98.7	98.9	98.9	99.0	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	42.0	44.4	44.6	44.9	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	48.2	51.5	51.7	52.0	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5
IV 18000	48.6	51.9	52.1	52.4	52.6	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.0
IV 16000	49.1	52.4	52.6	52.9	53.1	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.5
IV 14000	49.9	53.4	53.6	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
IV 12000	51.3	54.9	55.1	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9
IV 10000	52.1	56.0	56.2	56.5	56.7	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
IV 9000	52.2	56.2	56.4	56.8	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
IV 8000	53.2	57.2	57.4	57.7	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
IV 7000	53.9	58.1	58.3	58.7	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2
IV 6000	54.4	58.7	58.9	59.3	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
IV 5000	55.3	59.9	60.1	60.5	60.7	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.1
IV 4500	56.1	60.7	60.9	61.3	61.5	61.6	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
IV 4000	56.6	61.5	61.7	62.1	62.3	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
IV 3500	57.5	62.6	62.8	63.2	63.4	63.5	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8
IV 3000	59.1	64.9	65.1	65.6	65.8	65.9	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3
IV 2500	60.5	67.7	68.1	68.6	68.9	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4
IV 2000	61.6	70.3	70.7	71.2	71.5	71.7	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1
IV 1800	62.0	71.3	71.8	72.3	72.6	72.8	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2
IV 1500	63.3	74.9	75.6	76.5	76.8	77.0	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.5
IV 1200	64.4	78.3	79.2	80.3	80.7	80.9	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
IV 1000	65.0	80.5	81.7	82.9	83.5	83.7	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4
IV 900	65.3	82.0	83.4	84.8	85.5	85.6	86.1	86.2	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.5
IV 800	65.5	83.3	85.1	86.7	87.5	87.7	88.2	88.3	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.7
IV 700	65.6	84.0	86.0	87.8	88.8	89.0	89.6	89.8	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1
IV 600	65.7	84.7	86.9	89.0	90.2	90.5	91.1	91.4	91.4	91.4	91.6	91.7	91.7	91.7	91.8	91.8
IV 500	65.7	84.9	87.4	89.7	91.4	91.7	92.5	92.9	93.0	93.0	93.3	93.4	93.4	93.5	93.5	93.5
IV 400	65.7	85.0	87.5	90.1	92.0	92.5	93.4	94.0	94.0	94.1	94.4	94.7	94.7	94.8	94.8	94.9
IV 300	65.7	85.1	87.6	90.3	92.4	92.9	94.0	94.8	95.1	95.1	95.9	96.4	96.5	96.7	96.7	96.9
IV 200	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.2	95.6	96.6	97.4	97.5	98.0	98.1	98.5
IV 100	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.2	95.6	96.7	97.5	97.7	98.3	98.4	99.1
IV 0	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.2	95.6	96.7	97.6	97.7	98.3	98.5	99.2

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	32.3	37.7	38.2	38.6	38.8	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 20000	34.9	41.1	41.7	42.0	42.2	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 18000	35.0	41.3	41.9	42.2	42.4	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 16000	35.3	41.9	42.4	42.8	43.0	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 14000	35.6	42.4	43.0	43.3	43.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 12000	35.9	42.9	43.4	43.8	44.0	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 10000	36.1	43.9	44.4	44.8	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 9000	36.1	44.0	44.6	44.9	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 8000	36.2	44.2	44.8	45.1	45.3	45.3	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 7000	36.9	45.1	45.7	46.0	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 6000	37.1	45.4	46.0	46.3	46.6	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 5000	37.2	46.1	46.7	47.0	47.2	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 4500	37.6	46.6	47.1	47.4	47.7	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 4000	37.9	46.9	47.4	47.8	48.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 3500	37.9	47.1	47.7	48.0	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 3000	38.8	48.6	49.1	49.4	49.7	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 2500	40.0	51.9	52.4	52.9	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 2000	41.2	54.6	55.3	55.9	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 1800	41.4	55.9	56.7	57.2	57.4	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 1500	43.1	62.3	63.2	64.0	64.4	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 1200	45.1	69.6	70.7	71.6	72.0	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 1000	46.1	74.9	76.8	78.0	78.4	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 900	46.4	77.2	79.8	81.2	81.8	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 800	46.6	80.6	84.0	85.8	86.3	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 700	46.6	82.9	86.4	88.9	89.6	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 600	46.6	83.7	87.8	90.7	91.3	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 500	46.6	84.7	89.2	92.4	93.2	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 400	46.6	84.9	89.4	92.9	93.9	94.2	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 300	46.6	85.0	89.6	93.3	94.3	94.7	95.6	96.4	96.4	97.0	97.2	97.2	97.2	97.2	97.2	97.2
IV 200	46.6	85.0	89.6	93.3	94.6	95.0	96.1	97.2	97.2	97.9	98.3	98.3	98.7	98.7	98.7	98.8
IV 100	46.6	85.0	89.6	93.3	94.6	95.0	96.1	97.2	97.2	97.9	98.6	98.6	98.9	99.0	99.6	99.7
IV 0	46.6	85.0	89.6	93.3	94.6	95.0	96.1	97.2	97.2	97.9	98.6	98.6	98.9	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

C300-0500

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	22.6	27.9	28.3	28.8	29.2	29.2	29.3	29.3	29.4	29.4	29.4	29.7	30.0	30.0	30.1	30.2
≥ 20000	24.8	30.6	31.2	31.7	32.1	32.1	32.2	32.3	32.4	32.4	32.4	32.7	33.0	33.0	33.1	33.2
≥ 18000	25.1	30.9	31.6	32.0	32.4	32.4	32.6	32.7	32.8	32.8	32.8	33.0	33.3	33.3	33.4	33.6
IV 16000	25.2	31.0	31.7	32.1	32.6	32.6	32.7	32.8	32.9	32.9	32.9	33.1	33.4	33.4	33.6	33.7
≥ 14000	25.6	31.3	32.0	32.4	32.9	32.9	33.0	33.1	33.2	33.2	33.2	33.4	33.8	33.8	33.9	34.0
IV 12000	26.1	32.1	32.8	33.2	33.7	33.7	33.8	33.9	34.0	34.0	34.0	34.2	34.6	34.6	34.7	34.8
≥ 10000	27.2	33.3	34.0	34.4	34.9	34.9	35.0	35.1	35.2	35.2	35.2	35.4	35.8	35.8	35.9	36.0
IV 9000	27.3	33.7	34.3	34.8	35.2	35.2	35.3	35.4	35.6	35.6	35.6	35.8	36.1	36.1	36.2	36.3
≥ 8000	27.6	33.9	34.6	35.0	35.4	35.4	35.6	35.7	35.8	35.8	35.8	36.0	36.3	36.3	36.4	36.6
IV 7000	27.8	34.3	35.0	35.4	35.9	35.9	36.0	36.1	36.2	36.2	36.2	36.4	36.8	36.8	36.9	37.0
≥ 6000	28.3	35.0	35.7	36.1	36.6	36.6	36.7	36.8	36.9	36.9	36.9	37.1	37.4	37.4	37.6	37.7
IV 5000	29.0	36.3	37.0	37.4	37.9	37.9	38.0	38.1	38.2	38.2	38.2	38.4	38.8	38.8	38.9	39.0
≥ 4500	29.0	36.6	37.3	37.8	38.2	38.2	38.3	38.4	38.6	38.6	38.6	38.8	39.1	39.1	39.2	39.3
IV 4000	29.1	37.1	37.9	38.3	38.8	38.8	38.9	39.0	39.1	39.1	39.1	39.3	39.7	39.7	39.8	39.9
≥ 3500	29.1	37.3	38.1	38.6	39.0	39.0	39.1	39.2	39.3	39.3	39.3	39.6	39.9	39.9	40.0	40.1
IV 3000	30.4	39.1	39.9	40.4	40.9	40.9	41.0	41.1	41.2	41.2	41.2	41.4	41.8	41.8	41.9	42.0
≥ 2500	31.8	42.2	43.0	43.8	44.2	44.2	44.3	44.4	44.6	44.6	44.6	44.8	45.1	45.1	45.2	45.3
IV 2000	32.9	47.1	48.6	49.7	50.1	50.1	50.3	50.4	50.6	50.6	50.6	50.8	51.1	51.1	51.2	51.3
≥ 1800	33.1	48.0	49.6	50.8	51.2	51.2	51.4	51.6	51.7	51.7	51.7	51.9	52.2	52.2	52.3	52.4
IV 1500	33.9	52.3	54.8	56.3	56.9	56.9	57.1	57.3	57.4	57.4	57.4	57.7	58.0	58.0	58.1	58.2
≥ 1200	34.8	57.8	60.6	62.2	62.9	62.9	63.1	63.3	63.4	63.4	63.4	63.6	63.8	64.1	64.1	64.2
IV 1000	35.3	61.3	65.1	66.9	67.7	67.7	68.1	68.4	68.6	68.6	68.6	68.8	69.0	69.3	69.3	69.4
≥ 900	35.3	63.8	68.2	70.3	71.2	71.2	71.8	72.1	72.2	72.2	72.2	72.6	72.8	73.1	73.1	73.2
IV 800	35.6	66.4	72.0	75.0	76.2	76.2	76.9	77.2	77.3	77.3	77.3	77.7	77.9	78.2	78.2	78.3
≥ 700	35.8	68.7	74.6	78.2	79.8	79.8	80.6	81.0	81.2	81.2	81.2	81.6	81.8	82.1	82.1	82.2
IV 600	35.9	70.2	76.4	81.0	82.8	82.8	83.9	84.3	84.6	84.7	84.7	85.0	85.2	85.6	85.6	85.7
≥ 500	35.9	70.7	77.2	82.2	84.7	84.8	86.0	86.7	86.9	87.0	87.3	87.6	87.9	87.9	88.0	88.2
IV 400	35.9	71.3	78.6	84.1	87.0	87.2	88.9	89.6	89.8	89.9	90.3	90.6	90.9	90.9	91.3	91.6
≥ 300	35.9	71.4	78.8	84.9	88.2	88.6	91.3	92.3	92.8	93.7	94.3	94.6	95.0	95.0	95.4	95.7
IV 200	35.9	71.4	78.8	84.9	88.2	88.7	91.7	93.1	93.6	95.2	96.0	96.2	96.8	96.8	97.6	97.9
≥ 100	35.9	71.4	78.8	84.9	88.2	88.7	91.7	93.1	93.6	95.2	96.1	96.3	97.0	97.2	98.4	99.1
IV 0	35.9	71.4	78.8	84.9	88.2	88.7	91.7	93.1	93.6	95.2	96.1	96.3	97.0	97.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	19.9	24.4	25.1	25.1	25.2	25.3	25.3	25.3	25.3	25.4	25.4	25.4	25.7	25.8	26.3	26.4
	22.8	28.1	29.0	29.1	29.2	29.3	29.4	29.6	29.6	29.7	29.7	29.7	29.9	30.0	30.6	30.7
IV 18000 IV 16000	23.1	28.4	29.4	29.6	29.7	29.8	29.9	30.0	30.0	30.1	30.1	30.1	30.3	30.4	31.0	31.1
	23.1	28.4	29.4	29.6	29.7	29.8	29.9	30.0	30.0	30.1	30.1	30.1	30.3	30.4	31.0	31.1
IV 14000 IV 12000	23.8	29.2	30.2	30.3	30.4	30.6	30.7	30.8	30.8	30.9	30.9	30.9	31.1	31.2	31.8	31.9
	24.6	30.0	31.0	31.1	31.2	31.3	31.4	31.6	31.6	31.7	31.7	31.7	31.9	32.0	32.6	32.7
IV 10000 IV 9000	25.6	31.4	32.4	32.6	32.7	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.3	33.4	34.0	34.1
	25.9	31.8	32.8	32.9	33.0	33.1	33.2	33.3	33.3	33.4	33.4	33.4	33.7	33.8	34.3	34.4
IV 8000 IV 7000	26.2	32.8	33.8	33.9	34.0	34.1	34.2	34.3	34.3	34.6	34.6	34.6	34.8	34.9	35.4	35.6
	26.8	33.6	34.6	34.7	34.8	34.9	35.0	35.1	35.1	35.4	35.4	35.4	35.7	35.8	36.3	36.4
IV 6000 IV 5000	27.0	33.8	34.8	34.9	35.0	35.1	35.2	35.3	35.3	35.7	35.7	35.7	35.9	36.0	36.6	36.7
	28.8	36.4	37.4	37.6	37.7	37.8	37.9	38.0	38.0	38.3	38.3	38.3	38.6	38.7	39.2	39.3
IV 4500 IV 4000	29.1	37.1	38.1	38.2	38.3	38.4	38.7	38.8	38.8	39.1	39.1	39.1	39.3	39.4	40.0	40.1
	29.6	37.8	38.9	39.1	39.2	39.3	39.6	39.7	39.7	40.0	40.0	40.0	40.2	40.3	40.9	41.0
IV 3500 IV 3000	29.8	38.4	39.8	40.1	40.2	40.3	40.6	40.7	40.7	41.0	41.0	41.0	41.2	41.3	41.9	42.0
	30.1	39.2	40.6	40.9	41.1	41.2	41.4	41.6	41.6	41.9	41.9	41.9	42.1	42.2	42.8	42.9
IV 2500 IV 2000	31.2	41.9	43.6	44.0	44.6	44.7	44.9	45.0	45.0	45.3	45.3	45.3	45.6	45.7	46.2	46.3
	32.4	45.6	47.6	48.3	49.2	49.4	49.7	49.9	49.9	50.2	50.2	50.2	50.4	50.6	51.1	51.2
IV 1800 IV 1500	33.0	46.4	48.6	49.4	50.6	50.8	51.0	51.2	51.2	51.6	51.6	51.6	51.8	51.9	52.4	52.6
	33.7	49.4	52.3	54.0	55.8	56.0	56.2	56.6	56.6	56.9	56.9	56.9	57.1	57.2	57.8	57.9
IV 1200 IV 1000	34.0	52.7	56.0	58.4	60.3	60.6	60.9	61.3	61.3	61.8	61.8	61.8	62.1	62.2	62.8	62.9
	34.3	54.8	58.8	61.9	64.4	64.9	65.6	66.1	66.2	66.7	66.7	66.7	67.0	67.1	67.7	67.8
IV 900 IV 800	34.7	56.9	61.7	64.9	67.6	68.0	68.7	69.2	69.3	69.8	69.8	69.8	70.2	70.3	70.9	71.0
	34.7	58.8	65.0	69.0	72.0	72.6	73.3	73.9	74.0	74.7	74.8	74.8	75.2	75.3	75.9	76.0
IV 700 IV 600	35.0	59.8	66.0	70.7	74.2	75.4	76.4	77.0	77.1	77.9	78.0	78.0	78.4	78.6	79.1	79.2
	35.1	60.8	67.3	72.6	76.8	78.2	79.6	80.2	80.6	81.4	81.6	81.6	82.0	82.1	82.7	82.8
IV 500 IV 400	35.1	61.2	67.9	73.3	78.4	80.0	81.4	82.3	82.7	83.7	83.8	83.8	84.3	84.4	85.0	85.1
	35.1	61.6	68.2	74.0	79.4	81.1	83.3	85.2	86.0	87.6	88.0	88.0	88.6	88.7	89.2	89.3
IV 300 IV 200	35.1	61.6	68.3	74.2	79.8	81.8	84.6	86.9	87.7	90.1	91.3	91.4	92.2	92.3	93.1	93.3
	35.1	61.6	68.3	74.2	79.8	81.8	84.6	87.0	87.9	90.9	93.0	93.2	94.8	95.1	96.2	97.0
IV 100 IV 0	35.1	61.6	68.3	74.2	79.8	81.8	84.6	87.0	87.9	90.9	93.1	93.3	95.0	95.8	97.8	99.6
	35.1	61.6	68.3	74.2	79.8	81.8	84.6	87.0	87.9	90.9	93.1	93.3	95.0	95.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	23.1	32.4	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	33.1	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	33.1	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000	33.7	39.3	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 14000	34.3	40.1	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 12000	35.3	41.2	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	36.1	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 9000	36.3	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000	37.4	44.3	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9
≥ 7000	38.1	45.1	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8
≥ 6000	38.4	45.4	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1
≥ 5000	39.7	47.2	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2
≥ 4500	39.7	47.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6
≥ 4000	40.1	48.1	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3
≥ 3500	40.8	49.2	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6
≥ 3000	41.2	50.3	51.4	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0
≥ 2500	43.2	55.0	56.1	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2000	45.2	61.2	62.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7
≥ 1800	45.8	62.6	63.9	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 1500	46.8	68.8	70.8	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 1200	48.3	74.0	76.7	78.9	79.3	79.4	79.4	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1000	48.9	77.1	80.4	83.2	83.8	83.9	83.9	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 900	49.0	78.7	82.3	85.2	85.9	86.0	86.1	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6
≥ 800	49.1	79.6	83.8	86.9	88.0	88.1	88.2	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	49.2	80.0	84.3	87.9	89.4	89.6	89.9	90.3	90.3	90.3	90.6	90.7	90.7	90.7	90.7	90.7
≥ 600	49.2	80.1	84.6	88.7	90.9	91.3	91.9	92.4	92.4	92.4	92.8	93.0	93.0	93.0	93.0	93.0
≥ 500	49.2	80.4	84.9	89.1	91.4	92.0	92.7	93.6	93.7	93.7	94.0	94.2	94.2	94.2	94.2	94.2
≥ 400	49.2	80.6	85.0	89.4	92.1	92.8	93.7	94.8	95.0	95.0	95.7	96.0	96.0	96.1	96.1	96.1
≥ 300	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	95.6	96.8	97.6	97.6	97.8	97.9	97.9
≥ 200	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	95.6	97.0	98.4	98.6	99.1	99.4	99.8
≥ 100	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	95.6	97.0	98.4	98.6	99.1	99.4	99.9
0	49.2	80.6	85.0	89.4	92.1	92.9	94.0	95.2	95.6	95.6	97.0	98.4	98.6	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

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APR

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 20000	47.3	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
IV 18000	47.6	51.1	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
IV 16000	48.3	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	49.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 12000	49.9	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 10000	51.0	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	51.1	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 8000	52.2	58.3	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
IV 7000	52.9	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	52.9	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	59.9	59.9
IV 5000	54.3	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	62.0	62.0
IV 4500	54.7	62.0	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	62.4
IV 4000	56.8	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 3500	59.0	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 3000	61.3	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 2500	64.4	80.2	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2000	65.7	83.7	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1800	65.9	84.8	85.8	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500	66.4	87.4	88.7	89.2	89.3	89.4	89.4	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7
IV 1200	66.7	89.0	90.4	91.2	91.3	91.4	91.4	91.7	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9
IV 1000	66.8	90.1	91.6	92.3	92.6	92.7	92.7	93.2	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4
IV 900	66.8	90.2	92.1	93.0	93.3	93.4	93.4	94.0	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2
IV 800	66.8	90.2	92.1	93.1	93.6	93.7	93.7	94.3	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6
IV 700	66.8	90.7	92.7	94.0	94.6	94.7	94.7	95.6	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8
IV 600	66.8	90.7	92.8	94.1	94.9	95.0	95.3	96.3	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6
IV 500	66.8	90.7	92.8	94.3	95.2	95.3	95.7	96.9	97.0	97.0	97.2	97.4	97.4	97.6	97.6	97.6
IV 400	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.0	97.4	97.4	98.0	98.6	98.6	98.7	98.7	98.7
IV 300	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.0	98.8	99.4	99.4	99.7	99.7	99.7
IV 200	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.0	98.8	99.6	99.6	99.9	100.0	100.0
IV 100	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.0	98.8	99.6	99.6	99.9	100.0	100.0
IV 0	66.8	90.7	92.8	94.3	95.3	95.4	95.8	97.3	98.0	98.0	98.8	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
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PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	44.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥20000	55.8	58.7	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 18000	56.7	59.7	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 16000	57.3	60.0	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 14000	58.0	61.0	61.1	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
IV 12000	58.3	61.4	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000	59.9	63.9	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 9000	60.3	64.4	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
IV 8000	61.7	65.9	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
IV 7000	62.6	67.1	67.2	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
IV 6000	63.2	68.0	68.1	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
IV 5000	64.4	69.7	69.8	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
IV 4500	64.9	70.2	70.3	70.7	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 4000	67.3	73.4	73.6	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
IV 3500	69.7	76.9	77.0	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
IV 3000	71.4	81.8	81.9	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500	73.7	86.6	86.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2000	74.3	88.3	88.8	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	74.6	89.0	89.7	90.9	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 1500	75.0	90.7	91.4	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	75.2	91.8	92.9	94.4	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	75.4	92.6	93.9	95.4	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	75.4	92.8	94.1	95.9	96.4	96.4	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	75.7	93.0	94.3	96.2	96.8	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	75.8	93.4	94.8	96.9	97.7	97.7	97.9	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2
IV 600	75.9	93.6	94.9	97.1	98.0	98.0	98.2	98.2	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6
IV 500	75.9	93.7	95.0	97.3	98.3	98.3	98.7	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1
IV 400	75.9	93.7	95.0	97.4	98.4	98.4	98.8	98.8	98.9	99.0	99.3	99.3	99.3	99.4	99.4	99.4
IV 300	75.9	93.7	95.1	97.6	98.6	98.6	98.9	98.9	99.0	99.1	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	75.9	93.7	95.1	97.6	98.6	98.6	98.9	98.9	99.0	99.1	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	75.9	93.7	95.1	97.6	98.6	98.6	98.9	98.9	99.0	99.1	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	75.9	93.7	95.1	97.6	98.6	98.6	98.9	98.9	99.0	99.1	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

70, 73-81
 YEARS

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	45.0 59.4	48.1 65.0	48.2 65.1	48.2 65.1	48.2 65.3	46.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3	48.2 65.3
IV 18000 IV 16000	60.2 60.8	66.0 66.8	66.1 66.9	66.1 67.0	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2	66.3 67.2
IV 14000 IV 12000	62.3 62.7	68.3 69.3	68.6 69.7	68.7 69.8	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0	68.9 70.0
IV 10000 IV 9000	63.6 64.1	70.6 71.2	70.9 71.6	71.0 71.7	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9	71.2 71.9
IV 8000 IV 7000	65.6 66.6	72.7 74.2	73.0 74.6	73.1 74.7	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9	73.3 74.9
IV 6000 IV 5000	66.9 67.1	75.0 75.7	75.3 76.0	75.4 76.1	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3	75.7 76.3
IV 4500 IV 4000	67.9 68.9	76.6 78.8	77.0 79.2	77.1 79.4	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8	77.3 79.8
IV 3500 IV 3000	70.3 70.8	81.7 82.7	82.1 83.2	82.4 83.6	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9	82.8 83.9
IV 2500 IV 2000	73.2 73.3	87.4 89.2	88.3 90.3	89.0 91.1	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4	89.3 91.4
IV 1800 IV 1500	73.4 74.0	89.6 90.9	90.9 92.3	91.7 93.1	92.1 93.6	92.1 93.6	92.1 93.6	92.1 93.6	92.1 93.7	92.1 93.8	92.2 93.8	92.2 93.8	92.2 93.8	92.2 93.8	92.2 93.8	92.2 93.8
IV 1200 IV 1000	74.1 74.4	91.7 92.7	93.3 94.4	94.2 95.9	94.7 96.3	94.7 96.6	94.7 96.6	94.8 96.7	94.9 96.8	94.9 96.8	95.0 96.9	95.0 96.9	95.0 96.9	95.0 96.9	95.0 96.9	95.0 96.9
IV 900 IV 800	74.6 74.6	92.9 92.9	94.7 95.1	96.1 96.8	96.6 97.2	96.8 97.6	96.8 97.6	96.9 97.7	97.0 97.8	97.0 97.8	97.1 97.9	97.1 97.9	97.1 97.9	97.1 97.9	97.1 97.9	97.1 97.9
IV 700 IV 600	74.6 74.6	92.9 93.0	95.2 95.4	96.9 97.1	97.4 97.7	97.9 98.1	97.9 98.1	98.0 98.3	98.1 98.4	98.1 98.4	98.3 98.7	98.3 98.7	98.3 98.7	98.3 98.7	98.3 98.7	98.3 98.7
IV 500 IV 400	74.6 74.6	93.0 93.0	95.4 95.4	97.2 97.2	97.8 97.8	98.3 98.4	98.3 98.6	98.6 98.9	98.7 99.0	98.7 99.0	98.9 99.2	98.9 99.2	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4
IV 300 IV 200	74.6 74.6	93.0 93.0	95.4 95.4	97.2 97.2	97.9 97.9	98.8 98.8	98.9 98.9	99.3 98.9	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	74.6 74.6	93.0 93.0	95.4 95.4	97.2 97.2	97.9 97.9	98.8 98.8	98.9 98.9	99.3 99.3	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	44.6	48.6	48.9	49.0	49.4	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000 IV 16000	50.9	56.8	57.3	57.4	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000 IV 12000	52.6	58.7	59.2	59.3	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 10000 IV 9000	53.1	59.8	60.3	60.4	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 8000 IV 7000	54.2	61.0	61.6	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000 IV 5000	54.6	62.0	62.6	62.7	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4500 IV 4000	55.3	63.2	63.8	63.9	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 3500 IV 3000	55.8	63.7	64.2	64.3	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 2500 IV 2000	56.2	64.4	65.0	65.1	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 1800 IV 1500	56.6	65.4	66.0	66.1	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1200 IV 1000	57.4	67.6	68.2	68.3	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 900 IV 800	59.1	71.0	71.8	72.2	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 700 IV 600	60.2	74.0	75.2	75.8	76.2	76.2	76.3	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6
IV 500 IV 400	61.2	76.1	77.3	77.9	78.3	78.3	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 300 IV 200	64.0	82.1	83.4	84.1	84.7	84.7	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 100 IV 0	64.8	84.9	86.7	87.4	88.0	88.0	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	65.2	87.3	89.7	90.7	91.4	91.4	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
	65.2	87.4	90.1	91.3	92.1	92.1	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
	65.2	88.8	92.2	93.4	94.3	94.3	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
	65.2	89.1	92.7	93.9	95.0	95.0	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	65.2	89.9	93.4	94.3	96.0	96.1	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	65.2	90.1	93.9	95.2	96.6	96.9	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	65.2	90.1	93.9	95.6	96.9	97.2	97.7	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	65.2	90.1	93.9	95.8	97.1	97.4	97.9	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.4
	65.2	90.1	93.9	95.8	97.1	97.4	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.6	99.6	99.8
	65.2	90.1	93.9	95.8	97.1	97.4	98.0	99.1	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.9
	65.2	90.1	93.9	95.8	97.1	97.4	98.0	99.1	99.1	99.3	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥5/16	¼	≥0
NO CEILING	34.6	38.4	38.7	38.9	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.3	39.3
≥ 20000	41.0	46.1	46.6	46.7	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.2	47.2	47.3	47.3
IV 18000	41.5	46.6	47.0	47.2	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.8	47.8
IV 16000	41.9	47.1	47.6	47.7	47.9	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.3
IV 14000	42.6	48.0	48.5	48.6	48.8	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.2	49.2
IV 12000	43.2	48.8	49.3	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.0	50.0
IV 10000	44.1	50.3	50.7	50.9	51.1	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5
IV 9000	44.4	50.7	51.1	51.3	51.5	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.9	51.9
IV 8000	45.1	51.6	52.1	52.3	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.9
IV 7000	45.7	52.6	53.1	53.3	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.7	53.7	53.8	53.8	53.9
IV 6000	46.1	53.0	53.5	53.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.3	54.3
IV 5000	47.0	54.5	55.1	55.3	55.5	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.9	55.9
IV 4500	47.3	55.0	55.6	55.8	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4
IV 4000	48.2	56.4	57.0	57.3	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.9	57.9
IV 3500	49.1	58.1	58.7	59.0	59.2	59.2	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.6
IV 3000	50.2	60.2	60.9	61.3	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.9	62.0
IV 2500	52.1	64.5	65.4	66.0	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.7	66.7
IV 2000	53.2	68.0	69.1	69.9	70.2	70.3	70.3	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.7	70.7
IV 1800	53.6	69.0	70.3	71.2	71.5	71.6	71.7	71.8	71.8	71.8	71.9	71.9	72.0	72.0	72.1	72.1
IV 1500	54.6	73.0	74.6	75.8	76.3	76.4	76.5	76.7	76.7	76.8	76.8	76.8	76.9	76.9	77.0	77.0
IV 1200	55.4	76.4	78.4	79.8	80.4	80.5	80.6	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.2	81.3
IV 1000	55.8	78.8	81.3	83.0	83.8	84.0	84.2	84.4	84.5	84.6	84.7	84.7	84.8	84.8	84.9	84.9
IV 900	55.9	80.0	82.9	84.8	85.6	85.7	86.0	86.2	86.3	86.4	86.5	86.5	86.6	86.6	86.7	86.7
IV 800	56.0	81.3	84.8	87.0	88.1	88.2	88.5	88.8	88.8	89.0	89.0	89.1	89.2	89.2	89.3	89.3
IV 700	56.1	82.2	85.8	88.4	89.7	90.0	90.3	90.7	90.7	90.9	91.0	91.0	91.1	91.2	91.2	91.3
IV 600	56.2	82.7	86.6	89.5	91.0	91.4	91.9	92.3	92.4	92.6	92.7	92.8	92.9	92.9	93.0	93.0
IV 500	56.2	83.1	87.0	90.2	92.0	92.4	93.0	93.6	93.7	94.0	94.1	94.2	94.3	94.3	94.4	94.5
IV 400	56.2	83.2	87.3	90.6	92.6	93.1	94.0	94.8	95.1	95.5	95.7	95.8	95.9	96.0	96.1	96.1
IV 300	56.2	83.3	87.4	90.8	92.9	93.5	94.6	95.7	96.0	96.8	97.3	97.3	97.6	97.6	97.8	97.9
IV 200	56.2	83.3	87.4	90.8	92.9	93.6	94.7	95.9	96.2	97.3	98.0	98.1	98.6	98.7	99.0	99.2
IV 100	56.2	83.3	87.4	90.8	92.9	93.6	94.7	95.9	96.2	97.3	98.1	98.2	98.7	98.9	99.4	99.8
IV 0	56.2	83.3	87.4	90.8	92.9	93.6	94.7	95.9	96.2	97.3	98.1	98.2	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	31.5	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV ≥ 18000 16000	34.4	46.8	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 14000 12000	34.5	47.1	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 10000 9000	35.5	48.8	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 8000 7000	35.8	49.7	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 6000 5000	36.3	50.8	51.4	51.7	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 4500 4000	37.3	52.4	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 3500 3000	38.9	54.2	54.8	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 2500 2000	40.1	57.6	58.4	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 1800 1500	41.6	63.2	64.2	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1200 1000	43.2	73.1	74.2	75.3	76.1	76.1	76.7	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
IV 900 800	45.5	81.7	83.5	84.8	86.0	86.0	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 700 600	45.5	86.2	88.9	91.1	92.6	92.8	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 500 400	46.6	88.2	91.2	93.7	95.5	95.7	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 300 200	46.8	88.6	91.8	95.1	97.0	97.2	98.3	98.5	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4
IV 100 0	46.8	88.6	91.8	95.1	97.0	97.2	98.4	98.7	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

AD-A113 704

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 82

UNCLASSIFIED

USAFETAC/DS-82/012

SBI-AD-F850 152

NL

3
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A large grid area consisting of approximately 12 columns and 15 rows. The majority of the cells in this grid are filled with solid black, obscuring any text or data that might have been present. Only the grid lines are visible.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	22.8	29.7	37.2	30.5	31.0	31.0	31.3	31.3	31.3	31.5	31.5	31.5	31.5	31.5	31.7	31.7
≥ 20000	24.4	32.0	32.7	33.3	33.8	33.8	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.5	34.5
≥ 18000	24.4	32.2	32.8	33.4	33.9	33.9	34.2	34.2	34.2	34.5	34.6	34.6	34.6	34.6	34.8	34.8
≥ 16000	24.4	32.3	32.9	33.5	34.0	34.0	34.3	34.3	34.3	34.6	34.7	34.7	34.7	34.7	34.9	34.9
≥ 14000	24.4	32.3	32.9	33.5	34.0	34.0	34.3	34.3	34.3	34.6	34.7	34.7	34.7	34.7	34.9	34.9
≥ 12000	25.2	33.3	34.0	34.6	35.1	35.1	35.4	35.4	35.4	35.7	35.8	35.8	35.8	35.8	36.0	36.0
≥ 10000	25.3	33.9	34.5	35.2	35.6	35.6	35.9	35.9	35.9	36.2	36.3	36.3	36.3	36.3	36.6	36.6
≥ 9000	25.3	33.9	34.5	35.2	35.6	35.6	35.9	35.9	35.9	36.2	36.3	36.3	36.3	36.3	36.6	36.6
≥ 8000	25.8	34.9	35.6	36.2	36.7	36.7	37.0	37.0	37.0	37.3	37.4	37.4	37.4	37.4	37.6	37.6
≥ 7000	26.2	35.6	36.2	36.9	37.3	37.3	37.6	37.6	37.6	38.0	38.1	38.1	38.1	38.1	38.3	38.3
≥ 6000	26.5	35.8	36.5	37.1	37.5	37.5	37.8	37.8	37.8	38.2	38.3	38.3	38.3	38.3	38.5	38.5
≥ 5000	27.0	36.3	37.0	37.7	38.2	38.2	38.5	38.5	38.5	38.8	38.9	38.9	38.9	38.9	39.1	39.1
≥ 4500	27.8	37.8	38.5	39.2	39.7	39.7	40.0	40.0	40.0	40.3	40.4	40.4	40.4	40.4	40.6	40.6
≥ 4000	28.2	38.7	39.5	40.3	40.8	40.8	41.1	41.1	41.1	41.4	41.5	41.5	41.5	41.5	41.7	41.7
≥ 3500	28.6	39.5	40.4	41.5	42.0	42.0	42.4	42.4	42.4	42.7	42.8	42.8	42.8	42.8	43.0	43.0
≥ 3000	28.7	39.7	40.6	41.9	42.5	42.5	42.8	42.8	42.8	43.1	43.2	43.2	43.2	43.2	43.4	43.4
≥ 2500	29.7	42.3	43.2	44.7	45.4	45.4	45.7	45.7	45.7	46.0	46.1	46.1	46.1	46.1	46.3	46.3
≥ 2000	30.9	46.1	47.4	49.2	50.2	50.3	50.6	50.6	50.6	51.0	51.2	51.2	51.2	51.2	51.4	51.4
≥ 1800	31.2	46.8	48.2	50.0	51.0	51.1	51.4	51.4	51.4	51.7	51.9	51.9	51.9	51.9	52.2	52.2
≥ 1500	32.6	52.3	54.2	56.6	58.0	58.1	58.5	58.5	58.5	58.8	59.0	59.0	59.0	59.0	59.2	59.2
≥ 1200	33.3	58.5	61.1	63.7	65.3	65.5	65.9	65.9	65.9	66.2	66.5	66.5	66.5	66.5	66.7	66.7
≥ 1000	34.1	63.0	66.0	69.2	71.4	71.6	72.2	72.2	72.2	72.5	72.7	72.7	72.7	72.7	72.9	72.9
≥ 900	34.7	65.8	69.2	72.6	74.7	74.9	75.5	75.5	75.5	75.8	76.0	76.0	76.0	76.0	76.2	76.2
≥ 800	35.2	69.6	74.0	77.6	80.2	80.4	81.1	81.2	81.2	81.5	81.7	81.7	81.7	81.7	81.9	81.9
≥ 700	35.3	71.6	76.3	80.9	83.7	83.9	84.6	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.7	85.7
≥ 600	35.5	73.7	78.9	83.8	87.0	87.2	88.1	88.3	88.3	88.6	88.9	88.9	88.9	88.9	89.1	89.1
≥ 500	35.7	74.5	80.2	85.5	89.0	89.2	90.5	90.8	90.8	91.3	91.6	91.6	91.6	91.6	91.8	91.8
≥ 400	35.8	74.9	81.3	87.4	91.5	91.7	93.1	93.5	93.5	94.1	94.5	94.5	94.5	94.5	94.7	94.8
≥ 300	35.8	75.1	81.6	88.0	92.6	92.9	94.6	95.1	95.1	95.7	96.3	96.3	96.5	96.5	96.7	96.8
≥ 200	35.8	75.2	81.7	88.1	92.7	93.0	94.9	95.7	95.7	96.5	97.4	97.6	98.3	98.3	98.8	98.9
≥ 100	35.8	75.2	81.7	88.1	92.7	93.0	94.9	95.9	95.9	96.8	97.7	98.0	98.6	98.6	99.2	99.8
≥ 0	35.8	75.2	81.7	88.1	92.7	93.0	94.9	95.9	95.9	96.8	97.7	98.0	98.6	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING ≥ 20000	18.8	24.7	25.3	25.6	26.1	26.3	26.6	26.7	26.9	26.9	27.0	27.1	27.2	27.3	27.5	27.7
IV 18000	20.5	28.4	29.0	29.4	30.1	30.3	30.5	30.8	31.0	31.0	31.1	31.2	31.3	31.4	31.7	32.0
IV 16000	20.5	28.4	29.0	29.4	30.1	30.3	30.5	30.8	31.0	31.0	31.1	31.2	31.3	31.4	31.7	32.0
IV 14000	21.1	29.0	29.7	30.0	30.8	31.0	31.2	31.4	31.6	31.6	31.7	31.8	31.9	32.0	32.4	32.7
IV 12000	21.2	29.7	30.3	30.6	31.4	31.6	31.8	32.2	32.4	32.4	32.5	32.6	32.7	32.8	33.2	33.5
IV 10000	21.7	30.4	31.1	31.4	32.2	32.4	32.6	32.9	33.1	33.1	33.2	33.3	33.4	33.5	34.0	34.3
IV 9000	22.2	30.9	31.5	31.8	32.6	32.8	33.0	33.3	33.5	33.5	33.7	33.8	33.9	34.0	34.4	34.7
IV 8000	22.6	31.7	32.4	32.8	33.5	33.8	34.0	34.3	34.5	34.5	34.6	34.7	34.8	34.9	35.4	35.7
IV 7000	22.8	32.0	32.7	33.1	34.0	34.2	34.4	34.7	34.9	34.9	35.1	35.2	35.3	35.4	35.8	36.1
IV 6000	23.1	32.7	33.3	33.8	34.7	34.9	35.2	35.5	35.7	35.7	35.8	35.9	36.0	36.1	36.6	36.9
IV 5000	23.7	33.5	34.2	34.6	35.7	35.9	36.1	36.5	36.7	36.7	36.8	36.9	37.0	37.1	37.5	37.8
IV 4500	24.1	34.2	34.8	35.3	36.3	36.6	36.8	37.1	37.3	37.3	37.4	37.5	37.6	37.7	38.2	38.5
IV 4000	24.2	34.5	35.2	35.7	36.9	37.1	37.3	37.6	37.8	37.8	38.0	38.1	38.2	38.3	38.7	39.0
IV 3500	24.4	35.3	35.9	36.5	37.6	37.8	38.1	38.4	38.6	38.6	38.7	38.8	38.9	39.0	39.5	39.8
IV 3000	24.6	35.7	36.5	37.0	38.2	38.4	38.6	38.9	39.1	39.1	39.2	39.4	39.5	39.6	40.0	40.3
IV 2500	26.0	39.6	40.4	41.1	42.5	42.8	43.0	43.3	43.5	43.5	43.7	43.8	43.9	44.0	44.4	44.7
IV 2000	26.7	43.2	44.7	45.8	47.5	47.8	48.1	48.5	48.8	48.9	49.0	49.1	49.4	49.5	50.0	50.3
IV 1800	27.1	44.3	45.9	47.1	48.9	49.4	49.7	50.1	50.4	50.5	50.6	50.8	51.0	51.1	51.6	51.9
IV 1500	27.8	48.9	51.1	53.1	55.8	56.2	56.7	57.1	57.5	57.6	57.7	57.8	58.1	58.2	58.7	59.0
IV 1200	28.5	53.5	56.5	59.0	61.8	62.3	62.7	63.2	63.7	63.8	63.9	64.0	64.2	64.3	64.8	65.2
IV 1000	29.4	57.5	60.8	63.8	67.2	67.7	68.4	69.0	69.5	69.7	69.9	70.0	70.2	70.3	70.9	71.2
IV 900	29.5	62.0	65.7	69.5	73.0	73.5	74.5	75.2	75.6	75.8	76.0	76.1	76.3	76.5	77.0	77.3
IV 800	29.8	64.8	69.4	73.8	78.1	78.7	79.9	80.5	81.0	81.3	81.6	81.7	81.9	82.0	82.6	82.9
IV 700	29.9	65.9	70.8	75.8	81.0	81.6	83.3	84.1	84.5	85.2	85.6	85.7	85.9	86.0	86.6	86.9
IV 600	29.9	66.6	71.9	78.2	84.1	84.7	86.5	87.4	87.8	88.5	88.9	89.0	89.4	89.5	90.0	90.3
IV 500	30.1	67.1	73.2	79.7	86.0	87.0	88.9	90.1	90.5	91.3	91.7	91.8	92.3	92.4	92.9	93.2
IV 400	30.1	67.4	73.8	80.5	87.3	88.6	91.0	92.6	93.0	94.0	94.6	94.7	95.2	95.3	95.8	96.1
IV 300	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.2	95.6	96.3	96.6	97.1	97.4	98.1	98.5
IV 200	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.3	95.8	96.7	96.9	97.4	98.1	98.7	99.5
IV 100	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.3	95.8	96.7	96.9	97.4	98.1	98.8	99.9
IV 0	30.1	67.4	73.8	80.6	87.6	89.0	91.6	93.5	94.3	95.8	96.7	96.9	97.4	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	27.7	33.3	33.3	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	31.3	38.7	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	31.5	38.9	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 16000	31.5	38.9	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 14000	31.8	39.9	39.9	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	32.6	41.0	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 10000	33.1	42.3	42.3	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000	33.3	42.5	42.5	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 8000	34.1	43.4	43.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	34.7	44.2	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 6000	35.1	44.7	44.7	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 5000	35.9	45.9	45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4500	36.2	46.5	46.5	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000	36.9	47.3	47.4	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 3500	37.6	48.3	48.5	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 3000	39.9	51.7	51.9	52.5	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
≥ 2500	44.0	59.5	60.3	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2000	46.3	68.9	70.4	71.2	71.4	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 1800	47.0	70.4	71.9	72.8	73.0	73.1	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1500	48.8	77.0	79.2	80.5	80.8	81.0	81.3	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1200	50.3	83.3	85.8	87.4	87.6	88.0	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	50.6	85.4	88.4	90.2	90.9	91.2	91.7	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	50.9	86.2	89.5	91.3	92.0	92.4	92.9	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	50.9	86.5	89.7	92.0	93.2	93.7	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	50.9	87.3	90.5	93.0	94.6	95.1	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	50.9	87.4	90.6	93.4	95.4	95.8	96.6	97.1	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	50.9	87.4	90.8	93.5	95.7	96.1	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	50.9	87.5	91.0	93.8	95.9	96.3	97.4	98.1	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	50.9	87.5	91.0	93.8	95.9	96.3	97.5	98.2	98.5	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥3/16	¼	≥0
NO CEILING	38.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	42.9	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 18000	43.1	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 16000	43.7	50.8	50.8	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 14000	44.2	51.5	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
IV 12000	44.9	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 10000	46.8	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 9000	46.8	55.1	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
IV 8000	47.4	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 7000	48.5	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 6000	48.8	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 5000	49.4	58.4	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
IV 4500	50.3	59.5	59.5	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
IV 4000	52.6	63.0	63.0	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
IV 3500	55.5	67.5	67.5	67.8	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 3000	60.4	76.3	76.3	76.8	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 2500	64.3	85.9	85.9	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 2000	65.8	90.9	90.9	91.9	92.5	92.5	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	65.8	91.4	91.4	92.5	93.1	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	66.5	92.7	92.7	94.2	95.2	95.2	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	66.7	94.0	94.3	96.1	97.1	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	66.7	94.3	94.6	96.8	97.7	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	66.7	94.3	94.7	97.0	98.0	98.0	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	66.7	94.4	94.8	97.2	98.3	98.4	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	66.7	94.4	94.8	97.2	98.3	98.4	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	66.7	94.4	94.8	97.3	98.4	98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	66.7	94.4	94.8	97.3	98.4	98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 300	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	66.7	94.4	94.8	97.3	98.5	98.6	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	46.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	54.1	62.9	62.9	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 18000	54.2	63.1	63.1	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 16000	54.3	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	54.9	64.4	64.4	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 12000	55.8	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	65.6
IV 10000	57.6	67.8	68.0	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 9000	57.7	68.1	68.3	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 8000	58.4	68.8	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	59.1	69.8	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
IV 6000	59.2	71.0	71.2	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
IV 5000	60.3	72.6	72.8	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 4500	60.6	73.7	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	63.7	77.6	77.8	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 3500	68.2	83.5	83.8	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	69.9	87.3	87.6	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2500	71.3	91.9	92.3	93.0	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	71.6	93.4	93.8	94.7	94.8	94.8	95.2	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	71.6	93.5	93.9	94.8	95.1	95.1	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500	72.3	94.3	94.6	95.8	96.3	96.3	96.7	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	72.0	94.9	95.6	97.0	97.5	97.5	97.8	98.0	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536 RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	46.1	51.7	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
≥ 20000	58.0	67.7	68.0	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
IV 18000	58.4	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 16000	58.4	68.1	68.3	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
IV 14000	58.8	68.9	69.1	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
IV 12000	60.5	70.9	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	61.7	73.1	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000	61.8	73.5	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	62.5	74.2	74.5	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 7000	62.8	75.1	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	63.5	76.5	76.8	77.3	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 5000	64.4	77.7	78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	65.0	79.3	79.7	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	67.0	82.1	82.5	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	68.3	84.7	85.1	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	69.8	88.9	89.3	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 2500	70.2	91.5	92.1	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2000	71.0	93.0	93.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	71.2	93.3	94.2	95.3	95.9	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	71.5	93.7	94.7	95.8	96.4	96.4	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	71.5	94.2	95.4	96.5	97.3	97.3	97.3	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	71.7	94.6	95.8	97.0	97.8	97.8	97.8	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7
IV 900	71.7	94.7	96.0	97.2	98.1	98.1	98.1	98.4	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9
IV 800	71.7	94.8	96.1	97.4	98.3	98.3	98.3	98.7	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4
IV 700	71.7	94.8	96.2	97.5	98.4	98.4	98.5	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 600	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	71.7	94.8	96.2	97.6	98.5	98.5	98.6	99.0	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	46.7	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	52.0	63.0	63.2	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
IV 18000	52.3	63.3	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 16000	52.3	63.3	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	52.5	63.6	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	53.1	64.8	65.0	65.0	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 10000	54.2	66.0	66.2	66.2	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
IV 9000	54.2	66.0	66.2	66.2	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
IV 8000	54.6	66.7	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	67.2
IV 7000	54.7	67.2	67.4	67.4	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 6000	55.1	68.1	68.3	68.3	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 5000	55.7	68.8	69.0	69.0	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
IV 4500	56.6	70.6	70.8	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
IV 4000	57.6	72.3	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	58.4	74.0	74.3	74.3	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
IV 3000	59.7	76.8	77.1	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2500	60.6	79.2	79.7	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 2000	61.4	83.2	83.8	83.8	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800	61.9	84.7	85.3	85.3	86.2	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500	63.0	88.1	89.1	89.3	90.1	90.1	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1200	63.8	92.2	93.3	93.5	94.3	94.3	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1000	64.3	94.1	95.6	95.9	96.8	96.8	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	64.5	94.3	95.8	96.1	97.0	97.0	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800	64.6	94.9	96.7	97.0	98.2	98.2	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	64.7	95.0	96.9	97.2	98.4	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 600	64.7	95.0	96.9	97.2	98.4	98.4	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	64.7	95.0	97.1	97.4	98.6	98.6	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	64.8	95.1	97.2	97.6	98.8	98.8	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 927

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS (L & 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	34.8	41.5	41.7	41.8	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.3
≥ 20000	39.7	48.6	48.9	49.1	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.7
IV 18000	39.8	48.8	49.1	49.4	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.9
IV 16000	39.9	49.0	49.3	49.5	49.7	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.1	50.1
IV 14000	40.3	49.6	49.9	50.1	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.7
IV 12000	41.0	50.7	51.0	51.3	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.8	51.9
IV 10000	42.0	52.2	52.5	52.8	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.4
IV 9000	42.1	52.3	52.6	53.0	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.5	53.6
IV 8000	42.6	53.1	53.5	53.9	54.1	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.5
IV 7000	43.1	53.8	54.2	54.6	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.2	55.2
IV 6000	43.4	54.6	54.9	55.3	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.9	55.9	56.0
IV 5000	44.1	55.5	55.9	56.3	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	57.0
IV 4500	44.8	56.7	57.1	57.5	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.2
IV 4000	46.0	58.5	58.9	59.4	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.1	60.1
IV 3500	47.5	60.9	61.3	61.8	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.6	62.6
IV 3000	49.0	63.9	64.4	65.0	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.8
IV 2500	50.8	68.4	69.0	69.8	70.3	70.3	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.7
IV 2000	51.9	72.6	73.5	74.5	75.1	75.1	75.3	75.4	75.5	75.5	75.6	75.6	75.7	75.7	75.8	75.8
IV 1800	52.2	73.4	74.4	75.4	76.0	76.1	76.3	76.4	76.5	76.6	76.6	76.7	76.7	76.7	76.8	76.8
IV 1500	53.1	77.0	78.2	79.5	80.5	80.6	80.9	81.0	81.1	81.2	81.3	81.3	81.4	81.4	81.5	81.5
IV 1200	53.7	80.5	82.0	83.6	84.6	84.7	85.1	85.2	85.3	85.5	85.5	85.6	85.6	85.6	85.7	85.7
IV 1000	54.2	83.0	84.8	86.6	87.9	88.1	88.5	88.7	88.8	89.0	89.1	89.1	89.2	89.2	89.3	89.3
IV 900	54.4	84.3	86.3	88.2	89.6	89.7	90.2	90.4	90.5	90.7	90.9	90.9	90.9	90.9	91.0	91.0
IV 800	54.6	85.5	87.9	90.1	91.8	92.0	92.5	92.7	92.8	93.1	93.2	93.3	93.3	93.3	93.4	93.4
IV 700	54.7	86.3	88.8	91.3	93.1	93.3	93.9	94.2	94.3	94.7	94.8	94.8	94.8	94.9	95.0	95.0
IV 600	54.7	86.8	89.4	92.1	94.2	94.4	95.1	95.5	95.7	96.0	96.2	96.2	96.2	96.2	96.3	96.4
IV 500	54.8	87.1	89.9	92.8	95.0	95.2	96.1	96.5	96.7	97.1	97.2	97.3	97.3	97.3	97.4	97.5
IV 400	54.9	87.3	90.3	93.4	95.7	96.0	97.0	97.5	97.7	98.1	98.4	98.4	98.4	98.5	98.5	98.6
IV 300	54.9	87.3	90.3	93.4	95.9	96.2	97.3	97.8	98.1	98.6	98.9	99.0	99.1	99.1	99.2	99.3
IV 200	54.9	87.3	90.3	93.4	95.9	96.2	97.3	98.0	98.2	98.8	99.2	99.2	99.4	99.5	99.6	99.7
IV 100	54.9	87.3	90.3	93.4	95.9	96.2	97.3	98.0	98.2	98.8	99.2	99.3	99.4	99.5	99.7	99.9
IV 0	54.9	87.3	90.3	93.4	95.9	96.2	97.3	98.0	98.2	98.8	99.2	99.3	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	42.5	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000	44.7	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	45.1	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	45.2	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 14000	45.3	56.4	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	45.3	56.8	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 10000	45.6	57.7	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 9000	45.8	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 8000	46.4	58.5	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 7000	46.6	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 6000	46.8	59.8	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 5000	47.6	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 4500	48.1	61.3	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 4000	48.4	61.8	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 3500	48.6	62.1	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 3000	49.2	62.8	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 2500	50.7	65.2	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 2000	53.2	69.1	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 1800	54.5	70.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1500	59.6	78.5	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 1200	63.8	86.1	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1000	66.5	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 900	67.3	92.8	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 800	68.3	95.0	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	68.6	96.0	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	69.0	96.6	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	69.0	96.9	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	69.0	97.3	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.0	97.4	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	22.8	34.8	35.3	36.0	36.4	36.6	36.8	36.8	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0
IV 20000	24.8	37.7	38.2	38.9	39.3	39.4	39.7	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0
IV 18000	25.1	38.0	38.6	39.2	39.7	39.8	40.0	40.1	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3
IV 16000	25.3	38.3	38.9	39.6	40.0	40.1	40.3	40.4	40.4	40.4	40.7	40.7	40.7	40.7	40.7	40.7
IV 14000	25.6	38.9	39.4	40.1	40.6	40.7	40.9	41.0	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2
IV 12000	25.9	39.1	39.7	40.3	40.8	40.9	41.1	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4
IV 10000	25.9	39.7	40.2	40.9	41.3	41.4	41.7	41.8	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0
IV 9000	25.9	39.7	40.2	40.9	41.3	41.4	41.7	41.8	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0
IV 8000	26.4	40.3	40.9	41.6	42.0	42.1	42.3	42.4	42.4	42.4	42.7	42.7	42.7	42.7	42.7	42.7
IV 7000	26.4	40.4	41.0	41.7	42.1	42.2	42.4	42.6	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8
IV 6000	26.4	40.4	41.0	41.8	42.2	42.3	42.6	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9
IV 5000	26.7	40.9	41.4	42.2	42.7	42.8	43.0	43.1	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 4500	27.6	42.1	42.7	43.4	43.9	44.0	44.2	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6
IV 4000	27.7	42.3	42.9	43.9	44.3	44.4	44.7	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1
IV 3500	27.9	42.7	43.2	44.2	44.7	44.8	45.0	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4
IV 3000	28.1	43.2	43.8	44.8	45.2	45.3	45.6	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0
IV 2500	30.7	47.2	47.8	48.8	49.2	49.4	49.7	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1
IV 2000	33.8	51.4	52.1	53.1	53.6	53.8	54.0	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4
IV 1800	35.1	53.3	54.0	55.0	55.6	55.8	56.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4
IV 1500	38.6	60.6	61.3	62.4	63.0	63.3	63.7	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1
IV 1200	41.2	68.0	69.1	70.6	71.1	71.4	71.8	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2
IV 1000	45.0	75.2	76.9	78.3	79.2	79.6	79.9	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3
IV 900	46.6	78.9	80.8	82.3	83.3	83.7	84.0	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
IV 800	47.9	83.8	85.8	87.3	88.3	88.8	89.1	89.3	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6
IV 700	48.6	86.2	88.2	90.0	91.0	91.6	91.9	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3
IV 600	48.7	88.0	90.4	92.6	93.7	94.3	94.8	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	48.8	88.7	91.7	93.8	95.0	95.7	96.3	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	48.8	89.2	92.6	94.8	96.1	96.9	97.6	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	48.8	89.3	92.8	95.1	96.7	97.4	98.4	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	48.8	89.6	93.0	95.3	96.9	97.7	98.7	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	48.8	89.6	93.0	95.3	96.9	97.7	98.7	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	48.8	89.6	93.0	95.3	96.9	97.7	98.7	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

PANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	16.9	26.2	27.9	29.7	30.1	30.4	31.0	31.3	31.4	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 20000	19.2	30.7	32.6	34.8	35.2	35.6	36.2	36.8	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IV 18000	19.3	30.8	32.7	34.9	35.3	35.7	36.3	36.9	37.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 16000	19.6	31.1	33.0	35.2	35.7	36.0	36.7	37.2	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 14000	20.3	32.2	34.1	36.4	36.9	37.2	37.9	38.4	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 12000	20.8	33.0	34.9	37.2	37.7	38.0	38.7	39.2	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 10000	21.3	34.0	35.9	38.2	38.7	39.0	39.7	40.2	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	21.4	34.2	36.1	38.6	39.0	39.3	40.0	40.6	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 8000	21.9	34.7	36.6	39.0	39.4	39.8	40.4	41.0	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 7000	22.0	35.0	36.9	39.3	39.8	40.1	40.8	41.3	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 6000	22.1	35.2	37.1	39.6	40.0	40.3	41.0	41.6	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 5000	22.4	36.0	37.9	40.3	40.9	41.3	42.0	42.6	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 4500	22.8	36.4	38.3	40.8	41.3	41.8	42.4	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 4000	22.8	36.7	38.8	41.2	41.8	42.2	42.9	43.6	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 3500	22.8	36.7	38.8	41.2	41.8	42.2	42.9	43.6	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 3000	23.1	37.3	39.4	41.9	42.7	43.1	43.8	44.4	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 2500	24.7	39.7	42.1	44.6	45.4	45.9	46.6	47.2	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2000	29.9	47.1	49.7	52.1	53.0	53.6	54.3	55.1	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1800	31.1	49.4	52.0	54.6	55.4	56.0	56.8	57.6	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 1500	34.1	56.7	59.4	62.0	62.9	63.6	64.4	65.2	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 1200	36.3	64.0	67.2	69.9	70.9	71.6	72.6	73.3	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 1000	38.4	69.9	73.8	76.7	77.8	78.4	79.6	80.4	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 900	38.9	73.0	77.0	80.2	81.3	82.1	83.4	84.3	84.6	85.1	85.1	85.1	85.2	85.2	85.2	85.2
≥ 800	39.4	75.1	79.6	82.9	84.4	85.3	86.7	87.7	87.9	88.4	88.4	88.4	88.6	88.6	88.6	88.6
IV 700	40.0	77.6	82.2	86.0	87.7	88.6	89.9	91.1	91.3	91.9	92.0	92.0	92.1	92.1	92.1	92.1
≥ 600	40.0	78.6	83.7	87.4	89.2	90.3	91.8	93.2	93.4	94.0	94.1	94.1	94.2	94.2	94.2	94.2
IV 500	40.0	79.7	85.2	89.3	91.1	92.2	93.8	95.2	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.4
≥ 400	40.1	80.1	85.7	89.8	91.8	93.0	94.8	96.2	96.4	97.2	97.6	97.6	97.7	97.7	97.7	97.7
IV 300	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.8	97.1	98.0	98.4	98.4	98.6	98.8	98.8	98.8
≥ 200	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.9	97.2	98.2	98.7	98.8	99.1	99.3	99.4	99.4
IV 100	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.9	97.2	98.2	98.7	98.8	99.1	99.4	99.6	99.7
≥ 0	40.1	80.2	85.8	89.9	91.9	93.2	95.2	96.9	97.2	98.2	98.7	98.8	99.1	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72236

RANDOLPH AFB TX

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8900-1100
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥5/16	¼	≥0
NO CEILING ≥ 20000	40.6	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000 16000	47.3	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 14000 12000	48.5	60.7	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 10000 9000	50.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 8000 7000	51.5	64.7	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 6000 5000	51.8	65.2	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
IV 4500 4000	53.5	66.9	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 3500 3000	55.7	69.6	70.5	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 2500 2000	63.2	79.5	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1800 1500	67.4	86.2	87.2	87.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1200 1000	70.5	94.1	95.1	95.3	95.4	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900 800	71.9	96.3	97.6	97.9	98.0	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700 600	72.1	97.0	98.2	98.7	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500 400	72.1	97.2	98.6	99.0	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300 200	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	59.2	66.3	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
≥ 18000 ≥ 16000	67.9	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 14000 ≥ 12000	70.2	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
≥ 10000 ≥ 9000	73.3	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000 ≥ 7000	75.0	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	83.1
≥ 6000 ≥ 5000	75.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500 ≥ 4000	76.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500 ≥ 3000	81.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500 ≥ 2000	86.1	96.2	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800 ≥ 1500	86.6	97.2	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200 ≥ 1000	87.7	98.0	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900 ≥ 800	87.7	98.2	98.6	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700 ≥ 600	87.1	98.6	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500 ≥ 400	87.1	98.7	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300 ≥ 200	87.1	98.7	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100 0	87.1	98.7	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

732536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	70.3	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	75.4	75.4
IV 18000 16000	78.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 14000 12000	80.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 10000 9000	83.0	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	89.7
IV 8000 7000	84.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 6000 5000	85.7	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 4500 4000	85.9	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 3500 3000	87.2	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2500 2000	88.6	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	96.7	96.7
IV 1800 1500	89.4	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	97.7	97.7
IV 1200 1000	90.0	98.0	98.3	98.3	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 900 800	90.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700 600	90.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500 400	90.3	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300 200	90.3	98.7	99.0	99.1	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 100 0	90.3	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	90.3	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	90.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	90.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	90.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	90.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	70.4	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	74.9
≥ 18000	80.8	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	86.3
IV 16000	81.4	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
IV 14000	82.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 12000	83.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 10000	84.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 9000	84.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 8000	85.3	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 7000	85.8	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	93.2	93.2
IV 6000	86.4	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 5000	86.7	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 4500	87.0	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 4000	87.1	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 3500	87.9	95.6	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 3000	88.1	95.8	96.1	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 2500	88.9	96.6	96.9	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 2000	89.2	97.2	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	89.6	97.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	89.7	97.9	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	90.0	98.3	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	90.2	98.8	99.2	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
IV 400	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	67.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	72.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 18000	72.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 16000	72.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 14000	73.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 12000	73.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000	74.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 9000	75.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 8000	75.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 7000	75.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 6000	76.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 5000	76.8	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	87.3
IV 4500	76.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	77.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3500	77.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	77.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	78.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	79.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	80.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	82.9	95.7	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 1200	84.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	84.7	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	84.7	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	84.8	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	84.8	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	84.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	84.9	99.0	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
IV 400	84.9	99.0	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
IV 300	84.9	99.0	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
IV 200	84.9	99.0	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
IV 100	84.9	99.0	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
IV 0	84.9	99.0	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

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURE (L.C.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	48.8	57.1	57.5	57.8	58.0	58.0	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	54.1	63.5	63.9	64.3	64.4	64.4	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	54.6	64.0	64.4	64.8	64.9	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 16000	54.9	64.3	64.7	65.1	65.2	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 14000	55.8	65.6	66.0	66.4	66.5	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 12000	56.4	66.3	66.7	67.1	67.2	67.3	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 10000	57.4	67.8	68.2	68.6	68.7	68.7	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 9000	57.7	68.2	68.6	69.0	69.1	69.2	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
IV 8000	58.4	68.9	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
IV 7000	58.6	69.4	69.9	70.3	70.4	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
IV 6000	58.9	69.7	70.2	70.6	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 5000	59.3	70.3	70.8	71.2	71.4	71.4	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	59.8	70.9	71.4	71.8	72.0	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4000	60.4	71.6	72.2	72.7	72.8	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	61.3	72.8	73.4	73.8	74.0	74.1	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3000	62.4	74.1	74.7	75.2	75.4	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2500	64.1	76.6	77.2	77.7	78.0	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 2000	66.2	79.7	80.4	80.9	81.1	81.2	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1800	66.8	80.7	81.4	81.9	82.2	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
IV 1500	69.0	84.7	85.5	86.1	86.3	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1200	70.4	88.1	89.0	89.7	89.9	90.1	90.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6
IV 1000	71.7	90.7	91.7	92.5	92.8	92.9	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	72.1	91.8	93.0	93.8	94.2	94.3	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	72.5	93.2	94.4	95.2	95.6	95.8	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	72.7	93.9	95.3	96.2	96.6	96.8	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 600	72.8	94.5	95.9	96.9	97.3	97.6	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	72.8	94.8	96.4	97.4	97.9	98.2	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	72.8	95.0	96.6	97.7	98.2	98.5	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	72.8	95.0	96.7	97.8	98.3	98.6	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	72.8	95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	72.8	95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	72.8	95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	61.6 64.2	72.2 76.0	72.5 76.3	72.9 76.9	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0	73.0 77.0
IV 18000 16000	64.3 64.5	76.2 76.6	76.6 76.9	77.1 77.4	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5	77.2 77.5
IV 14000 12000	65.2 65.7	77.2 77.7	77.5 78.1	78.1 78.6	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7	78.2 78.7
IV 10000 9000	66.6 66.7	78.7 78.8	79.0 79.1	79.6 79.7	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8	79.7 79.8
IV 8000 7000	67.1 67.3	79.8 80.6	80.1 81.0	80.8 81.6	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7
IV 6000 5000	67.3 67.5	80.6 81.0	81.0 81.3	81.6 81.9	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0	81.7 82.0
IV 4500 4000	67.6 67.7	81.1 81.3	81.4 81.6	82.0 82.3	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4
IV 3500 3000	67.8 67.8	81.4 81.7	81.7 82.0	82.4 82.7	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8	82.5 82.8
IV 2500 2000	68.2 69.8	82.2 84.4	82.5 84.7	83.1 85.4	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5	83.2 85.5
IV 1800 1500	70.3 71.9	85.1 87.6	85.4 88.2	86.0 88.8	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9	86.1 88.9
IV 1200 1000	74.1 75.9	91.4 94.9	92.2 95.7	92.8 96.5	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6	92.9 96.6
IV 900 800	76.2 76.3	95.8 96.2	96.6 97.0	97.3 97.8	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0
IV 700 600	76.5 76.5	96.9 97.3	97.7 98.2	98.6 99.0	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1
IV 500 400	76.5 76.5	97.5 97.6	98.4 98.6	99.2 99.5	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6
IV 300 200	76.5 76.6	97.6 97.7	98.6 98.7	99.6 99.7	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8
IV 100 0	76.6 76.6	97.7 97.7	98.7 98.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	35.8	45.6	45.8	46.1	46.5	46.6	46.6	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.1	47.1
IV 20000	36.7	47.3	47.5	47.8	48.2	48.3	48.3	48.3	48.3	48.7	48.7	48.7	48.7	48.7	48.8	48.8
IV 18000	36.8	47.4	47.6	48.0	48.3	48.4	48.4	48.4	48.4	48.8	48.8	48.8	48.8	48.8	48.9	48.9
IV 16000	36.9	47.7	48.0	48.3	48.6	48.7	48.7	48.7	48.7	49.1	49.1	49.1	49.1	49.1	49.2	49.2
IV 14000	37.0	48.0	48.2	48.5	48.8	48.9	48.9	48.9	48.9	49.4	49.4	49.4	49.4	49.4	49.5	49.5
IV 12000	37.6	48.9	49.1	49.5	49.8	49.9	49.9	49.9	49.9	50.3	50.3	50.3	50.3	50.3	50.4	50.4
IV 10000	38.3	49.7	50.0	50.3	50.6	50.8	50.8	50.8	50.8	51.2	51.2	51.2	51.2	51.2	51.3	51.3
IV 9000	38.6	50.4	50.8	51.1	51.4	51.5	51.5	51.5	51.5	51.9	51.9	51.9	51.9	51.9	52.0	52.0
IV 8000	39.1	51.5	51.8	52.2	52.5	52.6	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.1	53.1
IV 7000	39.5	51.9	52.3	52.6	52.9	53.0	53.0	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.5	53.5
IV 6000	39.5	52.0	52.4	52.7	53.0	53.1	53.1	53.1	53.1	53.5	53.5	53.5	53.5	53.5	53.7	53.7
IV 5000	39.6	52.7	53.0	53.3	53.7	53.8	53.8	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.3	54.3
IV 4500	39.7	52.8	53.1	53.4	53.8	53.9	53.9	53.9	53.9	54.3	54.3	54.3	54.3	54.3	54.4	54.4
IV 4000	39.8	53.1	53.4	53.8	54.1	54.2	54.2	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.7	54.7
IV 3500	39.8	53.3	53.7	54.0	54.3	54.4	54.4	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.9	54.9
IV 3000	39.9	53.7	54.2	54.6	54.9	55.1	55.1	55.1	55.1	55.5	55.5	55.5	55.5	55.5	55.6	55.6
IV 2500	41.0	55.4	55.9	56.3	56.7	56.8	56.8	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.3	57.3
IV 2000	43.4	58.7	59.4	59.9	60.2	60.3	60.3	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.9	60.9
IV 1800	44.3	59.9	60.5	61.1	61.4	61.5	61.5	61.5	61.5	61.9	61.9	61.9	61.9	61.9	62.0	62.0
IV 1500	47.1	64.6	65.7	66.2	66.6	66.7	66.7	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.2	67.2
IV 1200	51.0	71.5	72.8	73.7	74.0	74.1	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.6	74.6
IV 1000	54.8	78.7	80.2	81.3	81.6	81.7	81.7	81.7	81.7	82.2	82.2	82.2	82.2	82.2	82.3	82.3
IV 900	56.1	82.9	85.1	86.1	86.5	86.6	86.6	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.1	87.1
IV 800	57.7	86.7	88.9	90.0	90.3	90.4	90.4	90.4	90.4	90.9	90.9	90.9	90.9	90.9	91.0	91.0
IV 700	58.8	89.2	91.6	92.7	93.0	93.1	93.1	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.7	93.7
IV 600	59.6	92.2	94.6	95.9	96.2	96.3	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.9	96.9
IV 500	59.6	92.9	95.5	96.8	97.1	97.2	97.2	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7
IV 400	59.6	93.4	96.5	97.8	98.2	98.3	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.0
IV 300	59.6	93.4	96.8	98.3	98.6	98.7	99.0	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 200	59.6	93.4	96.8	98.3	98.7	98.8	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	59.6	93.4	96.8	98.3	98.7	98.8	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	59.6	93.4	96.8	98.3	98.7	98.8	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	23.0	34.3	35.5	36.6	36.8	36.8	37.3	37.3	37.3	37.5	37.7	37.7	37.7	37.7	37.7	37.7
IV 20000	24.7	37.4	38.6	39.9	40.0	40.1	40.6	40.6	40.6	40.9	41.1	41.1	41.1	41.1	41.1	41.1
IV 18000	24.8	37.5	38.7	40.0	40.2	40.2	40.8	40.8	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2
IV 16000	25.3	38.1	39.2	40.5	40.8	40.8	41.3	41.3	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7
IV 14000	25.5	38.8	40.0	41.3	41.5	41.5	42.0	42.0	42.0	42.3	42.5	42.5	42.5	42.5	42.5	42.5
IV 12000	26.2	40.6	41.8	43.1	43.3	43.3	43.9	43.9	43.9	44.1	44.3	44.3	44.3	44.3	44.3	44.3
IV 10000	27.6	42.6	44.1	45.5	45.8	45.9	46.5	46.5	46.5	46.7	46.9	46.9	46.9	46.9	46.9	46.9
IV 9000	27.8	42.8	44.3	45.7	46.0	46.1	46.7	46.7	46.7	46.9	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000	28.3	43.4	45.1	46.5	47.2	47.3	48.0	48.0	48.0	48.2	48.4	48.4	48.4	48.5	48.5	48.6
IV 7000	28.5	43.7	45.3	46.7	47.4	47.5	48.2	48.2	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.8
IV 6000	28.5	43.7	45.3	46.7	47.4	47.5	48.2	48.2	48.2	48.4	48.6	48.6	48.6	48.7	48.7	48.8
IV 5000	28.6	44.3	45.9	47.3	48.1	48.2	48.8	48.8	48.8	49.0	49.2	49.2	49.2	49.4	49.4	49.5
IV 4500	28.7	44.6	46.2	47.6	48.4	48.5	49.1	49.1	49.1	49.4	49.6	49.6	49.6	49.7	49.7	49.8
IV 4000	28.7	44.6	46.2	47.6	48.4	48.5	49.1	49.1	49.1	49.4	49.6	49.6	49.6	49.7	49.7	49.8
IV 3500	28.8	45.1	46.7	48.2	49.0	49.1	49.9	49.9	49.9	50.1	50.3	50.3	50.3	50.4	50.4	50.5
IV 3000	29.1	45.4	47.0	48.5	49.4	49.5	50.2	50.2	50.2	50.4	50.6	50.6	50.6	50.8	50.8	50.9
IV 2500	30.9	48.2	50.0	51.6	52.6	52.7	53.4	53.4	53.4	53.7	53.9	53.9	53.9	54.0	54.0	54.1
IV 2000	33.2	52.8	54.8	56.6	57.5	57.6	58.4	58.4	58.4	58.6	58.8	58.8	58.8	58.9	58.9	59.0
IV 1800	34.3	54.7	56.8	58.5	59.5	59.6	60.3	60.3	60.3	60.5	60.8	60.8	60.8	60.9	60.9	61.0
IV 1500	37.4	59.5	61.8	63.5	64.5	64.6	65.6	65.6	65.6	65.8	66.0	66.0	66.0	66.1	66.1	66.2
IV 1200	39.9	66.0	68.7	70.9	72.3	72.4	73.5	73.5	73.5	73.8	74.1	74.1	74.1	74.2	74.2	74.3
IV 1000	41.7	71.8	75.6	78.4	79.9	80.0	81.3	81.3	81.3	81.5	81.8	81.8	81.8	81.9	81.9	82.0
IV 900	43.1	74.8	79.1	81.9	83.5	83.7	84.9	84.9	84.9	85.2	85.5	85.5	85.5	85.6	85.6	85.7
IV 800	44.2	78.0	82.5	85.6	87.2	87.3	88.7	88.7	88.8	89.0	89.4	89.4	89.4	89.5	89.5	89.7
IV 700	44.8	80.2	84.9	88.2	89.9	90.1	91.6	91.6	91.7	91.9	92.3	92.3	92.3	92.4	92.4	92.6
IV 600	45.7	82.8	87.8	91.5	93.3	93.5	95.1	95.1	95.3	95.5	95.8	95.8	95.8	95.9	95.9	96.1
IV 500	46.1	83.8	89.0	92.8	94.7	94.9	96.5	96.5	96.7	96.9	97.3	97.3	97.3	97.4	97.5	97.7
IV 400	46.2	84.0	89.5	93.3	95.4	95.7	97.3	97.4	97.6	97.8	98.3	98.3	98.3	98.4	98.5	98.7
IV 300	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.8	98.8	98.8	98.9	99.0	99.4
IV 200	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.9	98.9	98.9	99.1	99.4	99.9
IV 100	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.9	98.9	98.9	99.1	99.4	100.0
IV 0	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.9	98.9	98.9	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

J900-1100
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.3	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 20000	56.8	69.9	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
IV 18000	57.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 16000	58.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	59.7	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	60.8	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
IV 10000	61.3	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 9000	61.9	76.2	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	76.6
IV 8000	63.4	78.1	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	63.8	78.6	78.9	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
IV 6000	63.8	78.9	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 5000	64.1	79.4	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	64.2	79.6	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	64.8	80.3	80.8	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
IV 3500	66.0	81.6	82.0	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	67.2	83.0	83.5	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2500	68.5	86.0	86.7	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
IV 2000	71.3	90.0	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	72.4	91.8	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	73.5	94.2	95.1	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
IV 1200	74.6	95.7	96.7	97.2	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	74.8	97.0	98.0	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	74.9	97.2	98.2	98.7	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	74.9	97.2	98.2	98.7	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	74.9	97.2	98.2	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	74.9	97.2	98.2	98.8	99.2	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	74.9	97.2	98.2	98.8	99.5	99.6	99.7	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
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	61.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 20000	71.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV ≥ 18000	72.0	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	79.5
IV ≥ 16000	72.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV ≥ 14000	74.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV ≥ 12000	75.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV ≥ 10000	77.1	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	86.9
IV ≥ 9000	77.3	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	87.3	87.3
IV ≥ 8000	78.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV ≥ 7000	78.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV ≥ 6000	78.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV ≥ 5000	79.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV ≥ 4500	80.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV ≥ 4000	81.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV ≥ 3500	82.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV ≥ 3000	84.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV ≥ 2500	85.3	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV ≥ 2000	85.5	97.8	98.0	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 ≥ 1800	85.6	98.2	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV ≥ 1500	85.8	98.6	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV ≥ 1200	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 1000	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 900	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 800	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 700	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 600	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 500	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 400	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 300	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 200	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 100	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 0	85.8	98.7	98.9	99.5	99.5	99.5	99.6	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

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 20000	76.2	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 18000	76.6	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
IV 16000	77.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 14000	78.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 12000	79.9	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 10000	81.6	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 9000	81.6	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 8000	82.7	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 7000	83.3	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 6000	83.8	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 5000	84.8	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4500	85.1	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 4000	85.7	94.7	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 3500	86.3	95.5	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 3000	87.0	96.1	96.8	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2500	87.0	96.8	97.5	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	87.0	97.2	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	87.0	97.2	98.2	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1500	87.1	97.6	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 1200	87.1	97.6	98.6	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	87.2	97.7	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 900	87.2	97.7	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 800	87.2	97.7	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 700	87.2	97.7	98.7	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 600	87.2	97.7	98.7	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 500	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	87.2	97.7	98.7	99.1	99.5	99.5	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

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	67.0	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000	80.0	85.1	85.1	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
IV 1800	80.3	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	85.6	85.6
IV 1600	80.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1400	82.4	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	83.8	89.5	89.7	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
IV 1000	85.7	92.5	92.7	92.8	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 900	85.9	92.7	92.9	93.0	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 800	86.5	93.7	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	86.6	94.4	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 600	86.7	94.5	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	87.3	95.4	95.7	96.0	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 450	87.3	95.4	95.7	96.0	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 400	87.5	95.9	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
IV 350	88.0	96.5	96.8	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 300	88.1	97.2	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
IV 2500	88.1	97.3	97.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
IV 2000	88.4	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
IV 1800	88.4	97.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
IV 1500	88.4	97.8	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
IV 1200	88.4	98.0	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
IV 1000	88.4	98.1	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
IV 900	88.4	98.1	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	88.4	98.1	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING	75.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 20000	81.2	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 18000	81.3	89.4	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	89.7
IV 16000	81.4	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 14000	82.1	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 12000	83.2	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	92.3
IV 10000	84.1	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 9000	84.4	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 8000	84.9	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 7000	85.2	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 6000	85.2	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 5000	85.3	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	96.2
IV 4500	85.5	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 4000	85.8	96.5	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 3500	86.0	96.7	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 3000	86.2	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	86.5	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	86.7	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	86.7	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	86.9	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	87.2	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	55.2	63.4	63.7	63.9	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	61.4	70.6	70.9	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 18000	61.7	70.9	71.2	71.4	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 16000	62.0	71.3	71.6	71.9	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000	63.1	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.6
≥ 12000	64.1	74.2	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
≥ 10000	65.3	75.9	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 9000	65.5	76.2	76.6	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	66.3	77.5	77.9	78.3	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8
≥ 7000	66.6	78.2	78.6	79.0	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.5
≥ 6000	66.7	78.3	78.8	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	67.1	79.0	79.4	79.8	80.0	80.1	80.1	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500	67.3	79.2	79.7	80.1	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6	80.6
≥ 4000	67.6	79.8	80.3	80.7	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	68.2	80.5	81.0	81.5	81.7	81.7	81.8	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	68.8	81.4	81.9	82.4	82.7	82.7	82.8	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	69.4	82.6	83.2	83.8	84.0	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥ 2000	70.7	84.6	85.2	85.8	86.1	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.5
≥ 1800	71.1	85.3	86.0	86.6	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.2	87.2	87.2
≥ 1500	72.3	87.3	88.2	88.8	89.1	89.1	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.5
≥ 1200	73.5	89.7	90.7	91.5	91.8	91.8	92.0	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	74.5	92.0	93.1	94.0	94.4	94.4	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.9
≥ 900	74.9	93.1	94.3	95.2	95.6	95.6	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.1
≥ 800	75.2	94.0	95.3	96.2	96.6	96.6	96.8	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	75.5	94.7	96.0	97.0	97.4	97.4	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.0	98.0
≥ 600	75.7	95.4	96.8	97.8	98.3	98.3	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	75.7	95.6	97.1	98.1	98.6	98.7	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	75.7	95.7	97.3	98.4	98.9	98.9	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7
≥ 300	75.7	95.7	97.3	98.5	99.0	99.0	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200	75.7	95.8	97.4	98.5	99.0	99.1	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 100	75.7	95.8	97.4	98.5	99.0	99.1	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 0	75.7	95.8	97.4	98.5	99.0	99.1	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	61.6	72.8	73.2	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV ≥ 18000	64.5	76.5	76.9	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
IV 18000 6000	64.6	76.7	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 14000	64.8	77.1	77.5	77.7	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 14000 2000	65.3	77.8	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 10000	66.3	79.8	80.2	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 10000 9000	67.4	80.9	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 8000	67.4	81.0	81.7	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
IV 8000 7000	67.4	81.0	81.7	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
IV 6000	67.4	81.1	81.8	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000 5000	67.5	81.2	81.9	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 4500	67.7	81.4	82.2	82.5	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 4500 4000	67.7	81.4	82.2	82.5	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 3500	67.7	81.5	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500 3000	67.8	81.9	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	67.8	83.2	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
IV 2500 2000	70.1	85.1	85.8	86.1	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 1800	70.4	85.6	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1800 1500	72.3	88.2	89.9	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1200	74.8	92.0	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200 1000	76.1	94.9	96.7	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
IV 900	76.3	95.4	96.5	96.8	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 900 800	76.7	96.0	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	76.7	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700 600	76.8	97.0	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	76.8	97.1	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500 400	76.8	97.1	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	76.8	97.1	98.5	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300 200	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	37.8	49.8	51.3	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	39.8	52.3	53.8	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 18000	39.9	52.4	53.9	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	40.0	52.5	54.0	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 14000	40.4	52.9	54.4	55.8	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 12000	41.0	54.3	55.8	57.2	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000	41.7	55.6	57.3	58.7	58.9	59.0	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 9000	41.9	55.8	57.5	58.9	59.2	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	42.0	56.1	57.8	59.2	59.6	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 7000	42.3	56.5	58.2	59.6	59.9	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 6000	42.4	56.6	58.3	59.7	60.1	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 5000	42.4	56.6	58.3	59.7	60.1	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 4500	42.5	57.1	58.8	60.2	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4000	42.5	57.1	58.8	60.2	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 3500	42.8	57.4	59.1	60.5	61.0	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 3000	42.9	57.8	59.6	61.0	61.4	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 2500	43.2	58.5	60.2	61.6	62.0	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 2000	45.3	61.6	63.3	64.7	65.2	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 1800	46.1	62.9	64.6	66.0	66.5	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 1500	50.6	69.4	71.2	72.8	73.3	73.4	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 1200	54.5	75.8	78.0	79.7	80.4	80.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 1000	57.3	82.0	84.2	85.9	86.7	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 900	58.2	84.0	86.1	87.8	88.6	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 800	59.2	86.6	88.9	90.8	91.5	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 700	59.9	88.9	91.4	93.2	94.0	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	60.4	90.2	92.7	94.6	95.5	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	60.6	91.0	93.7	95.9	97.0	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	60.6	91.2	94.1	96.5	97.6	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	60.6	91.3	94.2	96.6	98.0	98.3	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

J600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥¼	≥0	
NO CEILING	22.5	35.5	37.7	40.1	41.2	41.9	42.2	42.3	42.4	42.9	43.1	43.1	43.2	43.2	43.2	43.2
≥ 20000	23.9	38.1	40.5	42.9	44.0	44.8	45.1	45.2	45.3	46.0	46.2	46.2	46.3	46.3	46.3	46.3
≥ 18000	23.9	38.1	40.5	42.9	44.0	44.8	45.1	45.2	45.3	46.0	46.2	46.2	46.3	46.3	46.3	46.3
≥ 16000	24.1	38.4	40.9	43.2	44.3	45.2	45.4	45.5	45.6	46.3	46.6	46.6	46.7	46.7	46.7	46.7
≥ 14000	24.6	39.5	42.0	44.4	45.5	46.3	46.6	46.7	46.8	47.5	47.7	47.7	47.8	47.8	47.8	47.8
≥ 12000	25.7	41.5	44.1	46.5	47.5	48.4	48.6	48.7	48.8	49.6	49.8	49.8	49.9	49.9	49.9	49.9
≥ 10000	27.0	43.9	46.5	48.9	50.0	50.9	51.1	51.2	51.3	52.0	52.3	52.3	52.4	52.4	52.4	52.4
≥ 9000	27.3	44.2	46.8	49.2	50.3	51.2	51.4	51.5	51.7	52.5	52.7	52.7	52.8	52.8	52.8	52.8
≥ 8000	27.4	44.7	47.3	49.8	50.9	51.7	51.9	52.0	52.3	53.0	53.2	53.2	53.3	53.3	53.3	53.3
≥ 7000	27.8	45.2	47.7	50.2	51.3	52.2	52.4	52.5	52.7	53.4	53.7	53.7	53.8	53.8	53.8	53.8
≥ 6000	28.0	45.4	48.1	50.5	51.6	52.5	52.7	52.8	53.0	53.8	54.0	54.0	54.1	54.1	54.1	54.1
≥ 5000	28.1	45.7	48.6	51.1	52.2	53.0	53.2	53.3	53.5	54.3	54.5	54.5	54.6	54.6	54.6	54.6
≥ 4500	28.1	45.8	48.7	51.2	52.3	53.1	53.3	53.4	53.7	54.4	54.6	54.6	54.7	54.7	54.7	54.7
≥ 4000	28.1	45.8	48.7	51.2	52.4	53.2	53.4	53.5	53.8	54.5	54.7	54.7	54.8	54.8	54.8	54.8
≥ 3500	28.1	45.9	48.8	51.3	52.5	53.3	53.5	53.7	53.9	54.6	54.8	54.8	54.9	54.9	54.9	54.9
≥ 3000	28.3	46.2	49.1	51.6	52.8	53.7	53.9	54.0	54.2	54.9	55.2	55.2	55.3	55.3	55.3	55.3
≥ 2500	28.8	47.3	50.4	52.9	54.1	54.9	55.2	55.3	55.5	56.2	56.5	56.5	56.6	56.6	56.6	56.6
≥ 2000	31.3	51.1	54.2	57.1	58.4	59.2	59.6	59.7	59.9	60.6	60.9	60.9	61.0	61.0	61.0	61.0
≥ 1800	32.7	52.6	55.8	58.9	60.2	61.1	61.4	61.5	61.7	62.5	62.7	62.7	62.8	62.8	62.8	62.8
≥ 1500	37.3	60.2	63.9	67.3	68.9	69.8	70.1	70.2	70.4	71.3	71.5	71.5	71.6	71.6	71.6	71.6
≥ 1200	40.8	67.0	71.5	75.1	76.9	77.7	78.2	78.3	78.6	79.5	79.7	79.7	79.8	79.8	79.8	79.8
≥ 1000	42.5	71.3	76.1	80.0	82.3	83.1	83.7	83.8	84.1	84.9	85.2	85.2	85.3	85.3	85.3	85.3
≥ 900	43.1	72.7	77.8	81.9	84.2	85.1	85.6	85.7	86.0	86.9	87.1	87.1	87.2	87.2	87.2	87.2
≥ 800	43.7	74.3	79.9	84.1	86.7	87.5	88.1	88.3	88.6	89.5	89.7	89.7	89.8	89.8	89.8	89.8
≥ 700	43.8	75.3	81.6	85.9	88.5	89.4	89.9	90.1	90.4	91.3	91.5	91.5	91.6	91.6	91.6	91.6
≥ 600	44.1	76.5	83.2	88.0	90.5	91.4	92.0	92.4	92.8	93.8	94.0	94.0	94.1	94.1	94.1	94.1
≥ 500	44.4	77.1	84.2	89.1	92.0	93.0	93.8	94.2	94.6	95.7	95.9	95.9	96.0	96.0	96.0	96.0
≥ 400	44.4	77.3	84.5	89.8	93.1	94.1	94.8	95.6	96.0	97.2	97.4	97.4	97.5	97.5	97.5	97.5
≥ 300	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.0	98.4	98.6	98.6	98.7	98.8	98.8	98.8
≥ 200	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.0	98.4	98.8	98.8	99.1	99.4	99.9	99.9
≥ 100	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.1	98.5	98.9	98.9	99.2	99.5	100.0	100.0
≥ 0	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.1	98.5	98.9	98.9	99.2	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	49.7	60.3	61.1	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
IV 20000	53.1	66.8	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	53.3	67.2	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	53.5	67.7	68.5	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 14000	54.2	68.5	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	56.2	71.2	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 10000	57.0	73.5	74.4	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
IV 9000	57.1	73.9	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 8000	58.0	74.8	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	58.0	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 6000	58.0	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	58.0	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500	58.1	75.4	76.2	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 4000	58.5	75.9	77.0	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 3500	59.4	77.1	78.2	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 3000	61.5	79.7	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
IV 2500	64.0	83.8	84.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	66.1	87.3	88.4	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
IV 1800	66.9	88.7	89.8	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1500	68.6	91.8	93.0	94.1	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	69.2	93.8	95.4	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	69.5	94.8	96.6	97.6	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	69.7	95.2	96.9	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	69.8	95.5	97.3	98.4	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	69.8	95.6	97.5	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	69.8	95.6	97.5	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	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
 AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	60.1	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	71.2	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
≥ 18000	71.4	78.8	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
≥ 16000	71.9	79.5	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
≥ 14000	73.3	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 12000	75.4	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
≥ 10000	76.9	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 9000	76.9	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 8000	77.2	87.0	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
≥ 7000	77.2	87.5	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
≥ 6000	77.5	87.8	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	77.5	87.8	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
≥ 4500	78.5	89.2	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000	79.6	90.4	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	82.6	93.8	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	84.0	95.6	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	85.1	97.2	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	85.4	97.5	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	85.4	97.5	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	85.4	97.5	98.5	98.8	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	85.5	97.6	98.6	98.9	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	85.5	97.6	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	85.5	97.6	98.7	99.1	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.5	97.7	98.8	99.2	99.4	99.4	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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

AUG
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥4	≥0
NO CEILING	61.4	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	75.9	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 18000	76.5	82.5	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 16000	77.0	83.1	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 14000	77.8	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	84.6
IV 12000	81.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 10000	83.1	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 9000	83.3	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
IV 8000	83.5	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 7000	84.1	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 6000	84.2	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 5000	84.3	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4500	84.6	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 4000	85.9	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 3500	87.4	97.5	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 3000	88.0	98.4	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500	88.3	98.8	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 2000	88.3	98.8	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 1800	88.3	98.8	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 1500	88.3	98.8	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 1200	88.3	98.8	99.2	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 1000	88.3	98.8	99.2	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 900	88.3	98.8	99.2	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 800	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 700	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 600	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 500	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	88.3	98.9	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	64.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥2000	80.3	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 18000	80.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 16000	81.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 14000	82.0	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	88.9	88.9
IV 12000	84.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 10000	86.7	94.5	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 9000	86.7	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 8000	86.9	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	95.2	95.2
IV 7000	87.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 6000	87.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 5000	88.7	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 4500	88.1	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 4000	89.2	97.8	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
IV 3500	89.4	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 3000	89.7	98.3	98.6	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
IV 2500	89.7	98.6	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	89.7	98.6	98.9	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
IV 1800	89.7	98.6	98.9	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
IV 1500	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	89.8	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	75.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 20000	81.7	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	89.7	89.7
≥ 18000	81.9	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 16000	82.2	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	90.2	90.2
≥ 14000	82.5	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 12000	83.1	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 10000	84.8	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 9000	84.9	94.0	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 8000	85.1	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 7000	85.1	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	94.7	94.7
≥ 6000	85.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000	85.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4500	85.5	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 4000	85.9	95.3	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
≥ 3500	85.9	95.3	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
≥ 3000	86.0	95.6	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	96.3
≥ 2500	86.2	96.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	86.6	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	86.6	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	87.0	97.2	97.8	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
≥ 1200	87.2	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	87.2	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	87.2	97.8	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	87.3	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	87.3	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	87.3	98.4	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	87.3	98.4	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	87.4	98.5	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	87.5	98.7	99.5	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
≥ 200	87.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.5	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	54.0	62.9	63.6	64.2	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000 IV 16000	61.3	71.2	71.9	72.5	72.7	72.8	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 14000 IV 12000	61.8	71.9	72.7	73.3	73.5	73.6	73.6	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8
IV 10000 IV 9000	62.5	73.0	73.8	74.4	74.5	74.7	74.7	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9
IV 8000 IV 7000	64.1	75.3	76.1	76.7	76.8	77.0	77.0	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2
IV 6000 IV 5000	55.6	77.4	78.3	78.9	79.1	79.2	79.3	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5
IV 4500 IV 4000	65.7	77.6	78.5	79.1	79.3	79.5	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500 IV 3000	65.9	78.1	79.1	79.7	79.9	80.0	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3
IV 2500 IV 2000	66.2	78.5	79.5	80.1	80.3	80.4	80.5	80.5	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8
IV 1800 IV 1500	66.4	78.8	79.8	80.5	80.7	80.8	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.1
IV 1200 IV 1000	66.6	79.3	80.3	80.9	81.1	81.3	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 900 IV 800	67.2	79.9	81.0	81.6	81.9	82.0	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3
IV 700 IV 600	67.9	80.8	81.9	82.5	82.8	82.9	83.0	83.0	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2
IV 500 IV 400	68.5	81.7	82.8	83.4	83.7	83.8	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 300 IV 200	69.3	82.9	84.1	84.8	85.1	85.2	85.3	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5
IV 100 IV 0	70.3	84.6	85.7	86.5	86.8	86.9	87.0	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3
	70.8	85.2	86.3	87.1	87.4	87.6	87.7	87.7	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9
	72.4	87.7	89.0	89.9	90.3	90.4	90.5	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8
	73.8	90.2	91.6	92.6	93.1	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6
	74.5	92.0	93.5	94.6	95.1	95.2	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
	74.8	92.5	94.1	95.2	95.7	95.8	96.0	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3
	75.0	93.2	94.9	96.0	96.6	96.7	96.9	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
	75.1	93.7	95.5	96.7	97.2	97.4	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9
	75.2	94.1	96.0	97.2	97.8	97.9	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
	75.3	94.3	96.3	97.6	98.2	98.4	98.6	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
	75.3	94.4	96.4	97.7	98.5	98.7	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
	75.3	94.4	96.5	97.8	98.6	98.8	99.1	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
	75.3	94.4	96.5	97.8	98.7	98.8	99.1	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
	75.3	94.4	96.5	97.8	98.7	98.8	99.1	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.9	100.0
	75.3	94.4	96.5	97.8	98.7	98.8	99.1	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	47.9	59.3	67.0	60.1	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 2000	49.7	62.1	62.9	63.0	63.3	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 1800	49.7	62.7	63.4	63.6	63.9	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1600	51.1	63.2	64.0	64.1	64.4	64.4	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1400	50.8	64.2	65.0	65.1	65.4	65.4	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 1200	51.3	65.1	65.9	66.0	66.3	66.3	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 1000	52.2	67.1	68.2	68.3	68.7	68.7	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 900	52.4	67.8	68.9	69.0	69.3	69.3	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 800	52.9	68.4	69.6	69.7	70.0	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 700	53.0	68.8	69.9	70.0	70.3	70.3	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 600	53.2	69.1	70.2	70.3	70.7	70.7	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 500	53.6	69.4	70.6	70.7	71.1	71.1	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 450	53.9	70.4	71.6	71.7	72.1	72.1	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 400	54.2	70.8	71.9	72.0	72.4	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 350	54.7	71.2	72.3	72.4	72.9	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 300	55.4	72.4	73.6	73.8	74.4	74.4	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 250	56.0	73.1	74.2	74.4	75.2	75.2	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 200	56.7	74.1	75.2	75.4	76.2	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1800	57.2	74.7	75.8	76.0	76.8	76.8	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1500	58.9	77.3	78.4	78.8	79.6	79.6	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1200	61.3	81.0	82.1	82.6	83.3	83.3	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	63.9	84.7	85.8	86.2	87.0	87.0	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	64.6	86.1	87.3	88.0	88.8	88.8	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	65.6	88.3	89.6	90.6	91.6	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	65.9	89.8	91.1	92.1	93.6	93.6	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	66.3	91.2	93.1	94.1	95.9	95.9	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	66.4	92.2	94.2	95.3	97.1	97.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	66.4	92.7	94.8	96.0	98.0	98.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	66.4	92.7	94.8	96.1	98.3	98.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	66.4	92.7	94.9	96.2	98.4	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	66.4	92.7	94.9	96.2	98.4	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	66.4	92.7	94.9	96.2	98.4	98.6	99.9	99.9	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
 ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	33.6	42.7	43.4	43.5	43.8	44.0	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.6	44.6	44.6
IV 18000 IV 16000	34.4	44.4	45.2	45.3	46.2	46.4	46.6	46.6	46.6	46.7	46.7	46.7	46.9	46.9	46.9	46.9
IV 14000 IV 12000	34.9	45.4	46.2	46.3	47.2	47.4	47.6	47.6	47.6	47.7	47.7	47.7	47.9	47.9	47.9	47.9
IV 10000 IV 9000	36.0	47.9	48.8	48.9	49.8	50.1	50.3	50.3	50.3	50.4	50.4	50.4	50.6	50.6	50.6	50.6
IV 8000 IV 7000	36.5	48.8	49.7	49.8	50.7	50.9	51.2	51.2	51.2	51.3	51.4	51.4	51.6	51.6	51.6	51.6
IV 6000 IV 5000	37.3	49.8	50.8	50.9	51.8	52.1	52.3	52.3	52.3	52.4	52.5	52.5	52.7	52.7	52.7	52.7
IV 4500 IV 4000	37.2	50.2	51.2	51.3	52.2	52.4	52.6	52.6	52.6	52.7	52.8	52.8	53.1	53.1	53.1	53.1
IV 3500 IV 3000	37.5	51.2	52.2	52.3	53.2	53.4	53.6	53.6	53.6	53.7	53.8	53.8	54.1	54.1	54.1	54.1
IV 2500 IV 2000	38.7	52.4	53.9	54.3	55.2	55.4	55.6	55.8	55.8	56.0	56.1	56.1	56.3	56.3	56.3	56.3
IV 1800 IV 1500	40.7	56.2	58.0	58.5	59.4	59.6	59.8	60.2	60.2	60.3	60.4	60.4	60.6	60.6	60.6	60.6
IV 1200 IV 1000	45.4	65.6	67.7	68.7	69.9	70.1	70.5	70.9	70.9	71.0	71.1	71.1	71.3	71.3	71.3	71.3
IV 900 IV 800	48.4	73.1	75.4	77.0	78.3	78.5	79.2	79.6	79.6	79.8	79.9	79.9	80.1	80.1	80.1	80.1
IV 700 IV 600	51.8	82.3	85.4	87.8	89.2	89.4	90.3	90.9	90.9	91.0	91.2	91.2	91.4	91.4	91.4	91.4
IV 500 IV 400	52.1	84.3	87.7	90.1	91.9	92.1	93.3	93.9	93.9	94.1	94.3	94.3	94.9	94.9	94.9	94.9
IV 300 IV 200	52.2	85.3	89.3	92.0	94.8	95.0	96.4	97.6	97.7	98.2	98.6	98.6	99.4	99.4	99.4	99.4
IV 100 0	52.2	85.3	89.3	92.0	94.8	95.0	96.4	97.6	97.7	98.2	98.6	98.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	20.6	34.2	36.4	38.3	39.1	39.2	39.3	39.8	39.8	39.9	39.9	39.9	39.9	39.9	40.0	40.2
≥ 20000	22.0	37.1	39.7	41.8	42.7	42.8	42.9	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.6	43.8
IV 18000	22.0	37.1	39.7	41.8	42.9	43.0	43.1	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.8	44.0
IV 16000	22.1	37.2	39.8	41.9	43.0	43.1	43.2	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.9	44.1
IV 14000	22.4	38.1	41.0	43.1	44.2	44.4	44.6	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2	45.4
IV 12000	23.2	39.3	42.2	44.4	45.7	45.9	46.0	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.8	47.0
IV 10000	23.7	40.9	43.8	46.0	47.3	47.6	47.8	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.7	48.9
IV 9000	23.8	41.0	43.9	46.1	47.4	47.7	47.9	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.8	49.0
IV 8000	24.0	41.8	44.9	47.1	48.4	48.7	48.9	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.8	50.0
IV 7000	24.2	42.1	45.2	47.4	48.8	49.0	49.2	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.1	50.3
IV 6000	24.2	42.1	45.2	47.6	48.9	49.1	49.4	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.3	50.6
IV 5000	24.2	42.4	45.6	47.9	49.4	49.7	50.0	50.7	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.2
IV 4500	24.6	43.0	46.1	48.4	50.0	50.2	50.6	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.6	51.8
IV 4000	24.7	43.1	46.2	48.6	50.1	50.3	50.7	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.7	51.9
IV 3500	24.9	43.7	46.8	49.1	50.7	50.9	51.2	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.2	52.4
IV 3000	25.3	44.6	47.8	50.1	51.7	51.9	52.2	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.2	53.4
IV 2500	26.7	46.6	50.0	52.4	54.0	54.2	54.6	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.7	55.9
IV 2000	28.4	49.8	53.6	56.2	57.9	58.1	58.4	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.6	59.8
IV 1800	28.7	51.0	54.8	57.4	59.1	59.3	59.8	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.9	61.1
IV 1500	31.0	55.3	59.6	62.3	64.4	64.7	65.2	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.3	66.6
IV 1200	33.1	59.9	64.4	67.4	69.7	69.9	70.6	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.8	72.0
IV 1000	34.7	62.6	67.2	70.4	72.9	73.1	74.0	74.8	74.9	75.1	75.2	75.2	75.6	75.6	75.8	76.0
IV 900	35.6	64.6	69.3	72.9	75.6	75.8	76.7	77.4	77.6	77.8	77.9	77.9	78.2	78.2	78.4	78.7
IV 800	35.9	66.2	71.7	75.3	78.7	78.9	79.8	80.6	80.7	81.1	81.6	81.6	81.9	81.9	82.1	82.3
IV 700	36.6	68.2	73.9	77.8	81.2	81.4	82.4	83.3	83.4	83.9	84.4	84.4	84.8	84.8	85.0	85.2
IV 600	36.6	69.8	76.1	80.3	84.3	84.6	85.7	86.9	87.0	87.6	88.1	88.1	88.4	88.4	88.7	88.9
IV 500	36.6	71.1	77.9	82.8	87.0	87.7	89.0	90.2	90.6	91.2	91.8	91.8	92.1	92.1	92.3	92.6
IV 400	36.6	71.2	78.2	83.4	88.1	88.8	90.7	92.1	92.4	93.1	93.8	93.8	94.2	94.2	94.4	94.9
IV 300	36.6	71.3	78.4	83.8	88.4	89.3	91.2	93.3	93.8	94.8	95.9	95.9	96.6	96.8	97.2	97.8
IV 200	36.6	71.3	78.4	83.9	88.6	89.4	91.3	93.6	94.0	95.2	96.3	96.3	97.1	97.7	98.3	99.1
IV 100	36.6	71.3	78.4	83.9	88.6	89.4	91.3	93.6	94.0	95.2	96.3	96.3	97.1	97.7	98.4	99.7
IV 0	36.6	71.3	78.4	83.9	88.6	89.4	91.3	93.6	94.0	95.2	96.3	96.3	97.1	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	
NO CEILING	37.9	49.4	49.8	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	43.4	55.7	56.0	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 18000	43.3	56.1	56.4	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 16000	43.8	56.4	56.8	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 14000	44.4	57.9	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 12000	45.8	60.0	60.4	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
IV 10000	46.9	62.0	62.6	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 9000	47.2	62.3	62.9	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 8000	47.8	63.3	63.9	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 7000	48.8	64.3	65.0	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 6000	48.8	64.4	65.1	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 5000	48.8	64.8	65.4	66.4	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 4500	48.9	65.1	65.8	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 4000	49.3	65.8	66.4	67.4	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 3500	49.7	66.6	67.2	68.2	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 3000	51.1	68.9	69.6	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500	52.8	72.6	73.7	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2000	55.7	77.4	78.7	80.1	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1800	56.1	78.6	79.8	81.2	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1500	58.1	82.2	83.9	85.6	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	59.1	85.4	87.2	89.0	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1000	61.0	88.7	90.6	92.6	93.4	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
IV 900	61.2	89.1	91.0	93.0	94.0	94.2	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	61.6	90.1	92.0	94.2	95.2	95.6	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	61.7	90.6	92.7	95.0	96.0	96.3	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	61.8	91.2	93.3	95.8	97.0	97.3	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	61.8	91.4	93.7	96.3	97.6	98.1	98.8	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	51.1	58.3	58.8	58.8	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	53.2	66.8	67.2	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
≥ 18000	55.3	66.9	67.3	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
≥ 16000	58.6	67.3	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	60.3	69.7	70.2	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
≥ 12000	62.9	72.8	73.3	73.3	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	65.0	75.4	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	65.1	75.6	76.1	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
≥ 8000	65.6	76.6	77.1	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
≥ 7000	67.0	78.3	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 6000	67.2	79.0	79.6	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
≥ 5000	67.4	79.4	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500	67.6	79.8	80.4	80.4	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	68.4	80.8	81.4	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	70.7	83.8	84.6	84.7	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	72.8	86.4	87.3	87.4	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	75.7	90.8	91.8	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	76.6	91.9	93.0	93.1	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	76.6	92.0	93.1	93.2	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	77.8	94.1	95.3	95.6	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	78.4	95.4	97.0	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	78.7	95.8	97.4	97.8	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	78.7	96.0	97.7	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	78.7	96.0	97.7	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	78.7	96.0	97.7	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	78.9	96.3	98.0	98.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000	55.2	60.4	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
IV 18000 6000	66.1	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000 2000	68.3	75.7	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 10000 9000	72.3	81.9	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000 7000	73.4	83.3	83.8	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 6000 5000	75.1	85.1	85.6	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
IV 4500 4000	75.9	86.0	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3500 3000	78.9	89.4	90.1	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
IV 2500 2000	80.3	92.3	93.3	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4
IV 1800 1500	80.6	93.0	94.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4
IV 1200 1000	81.6	95.2	96.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
IV 900 800	81.8	95.8	97.2	98.3	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 700 600	81.9	95.9	97.4	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 500 400	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 300 200	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100 0	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

SEP
 MONTH

1900-2000
 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING ≥ 20000	58.1 67.2	63.6 74.1	64.2 75.3	64.4 75.9	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0	64.6 76.0
≥ 18000 ≥ 16000	67.2 67.6	74.4 74.8	75.7 76.1	76.2 76.7	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8	76.3 76.8
≥ 14000 ≥ 12000	68.4 69.8	76.6 79.8	77.9 81.1	78.4 81.7	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8	78.6 81.8
≥ 10000 ≥ 9000	71.4 71.6	82.2 82.6	83.6 83.9	84.1 84.4	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7	84.3 84.7
≥ 8000 ≥ 7000	72.9 73.8	84.0 85.0	85.3 86.3	85.9 86.9	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1	86.1 87.1
≥ 6000 ≥ 5000	74.4 75.0	85.7 86.2	87.0 87.6	87.6 88.1	87.8 88.3	87.8 88.3	87.8 88.3	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6	87.9 88.6
≥ 4500 ≥ 4000	75.2 75.4	86.6 87.1	87.9 88.6	88.4 89.1	88.7 89.3	88.7 89.3	88.7 89.3	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6
≥ 3500 ≥ 3000	76.9 77.2	89.2 90.0	90.8 91.6	91.7 92.4	91.9 92.7	91.9 92.7	91.9 92.7	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9
≥ 2500 ≥ 2000	77.7 78.0	91.0 91.8	92.6 93.3	93.8 94.6	94.1 94.9	94.1 94.9	94.1 94.9	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1	94.3 95.1
≥ 1800 ≥ 1500	78.2 78.4	92.1 92.7	93.7 94.3	94.9 95.6	95.2 95.9	95.2 95.9	95.2 95.9	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1
≥ 1200 ≥ 1000	78.4 78.4	94.0 94.3	95.8 96.4	97.1 97.8	97.4 98.1	97.4 98.1	97.4 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	97.7 98.3	97.7 98.3	97.7 98.3
≥ 900 ≥ 800	78.4 78.4	94.3 94.4	96.4 96.7	97.8 98.0	98.1 98.3	98.1 98.3	98.1 98.3	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6	98.3 98.6
≥ 700 ≥ 600	78.4 78.4	94.4 94.6	96.7 96.8	98.1 98.2	98.4 98.6	98.4 98.6	98.4 98.6	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0	98.8 99.0
≥ 500 ≥ 400	78.8 78.8	94.9 94.9	97.1 97.1	98.6 98.6	99.1 99.3	99.1 99.3	99.1 99.3	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8
≥ 300 ≥ 200	78.8 78.8	94.9 94.9	97.1 97.1	98.6 98.6	99.3 99.3	99.3 99.3	99.3 99.3	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
≥ 100 ≥ 0	78.8 78.8	94.9 94.9	97.1 97.1	98.6 98.6	99.3 99.3	99.3 99.3	99.3 99.3	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1/4	≥1	≥1/2	≥1/4	≥1/8	≥5/16	≥1/4	≥0
NO CEILING	61.3	69.3	69.9	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
≥ 20000	66.0	75.3	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 18000	66.2	75.8	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 16000	66.3	75.9	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	67.0	77.6	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 12000	67.9	78.9	80.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 10000	69.2	80.9	82.0	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 9500	69.4	81.1	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000	70.4	82.7	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 7000	71.0	83.2	84.3	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
IV 6000	71.3	83.6	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 5000	72.1	84.4	85.6	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 4500	72.4	85.0	86.1	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 4000	72.7	85.6	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	73.1	86.4	87.7	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
IV 3000	73.6	87.1	88.3	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	73.9	87.7	88.9	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2000	74.2	88.1	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	74.4	88.4	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	74.9	89.3	90.7	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
IV 1200	75.8	90.7	92.0	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
IV 1000	76.3	92.3	93.7	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 900	76.3	92.8	94.2	95.1	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 800	76.4	93.2	94.8	95.7	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	76.8	93.6	95.1	96.0	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	76.9	94.1	95.7	96.6	97.2	97.2	97.6	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
IV 500	77.2	95.1	96.8	97.7	98.6	98.6	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	77.2	95.6	97.2	98.2	99.1	99.1	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 JCAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	45.7 50.9	54.7 61.0	55.4 61.9	55.8 62.4	56.1 62.8	56.1 62.8	56.2 62.9	56.2 63.0	56.2 63.0	56.3 63.0	56.3 63.0	56.3 63.0	56.3 63.0	56.3 63.0	56.3 63.0	56.3 63.0
≥ 18000 N 16000	51.0 51.2	61.3 61.7	62.2 62.6	62.8 63.2	63.1 63.5	63.2 63.6	63.3 63.6	63.3 63.7	63.3 63.7	63.4 63.7	63.4 63.7	63.4 63.7	63.4 63.7	63.4 63.8	63.4 63.8	63.4 63.8
≥ 14000 N 12000	52.3 53.4	63.1 65.2	64.2 66.2	64.7 66.8	65.1 67.2	65.1 67.2	65.2 67.3	65.3 67.4	65.3 67.4	65.3 67.4	65.3 67.4	65.3 67.4	65.3 67.4	65.3 67.4	65.3 67.4	65.3 67.5
≥ 10000 N 9500	54.6 54.8	67.3 67.6	68.4 68.7	69.0 69.2	69.4 69.7	69.4 69.7	69.5 69.8	69.6 69.9	69.6 69.9	69.7 70.0	69.7 70.0	69.7 70.0	69.7 70.0	69.7 70.0	69.7 70.0	69.7 70.0
≥ 8000 N 7000	55.4 56.2	68.6 69.5	69.8 70.6	70.3 71.2	70.7 71.6	70.8 71.7	70.9 71.8	71.0 71.8	71.0 71.9	71.0 71.9	71.0 71.9	71.0 71.9	71.0 71.9	71.1 71.9	71.1 72.0	71.1 72.0
≥ 6000 N 5000	56.4 56.7	69.8 70.3	71.0 71.5	71.6 72.1	72.0 72.6	72.1 72.6	72.2 72.8	72.2 72.9	72.3 72.9	72.3 73.0	72.3 73.0	72.3 73.0	72.3 73.0	72.3 73.0	72.4 73.0	72.4 73.0
≥ 4500 N 4000	57.0 57.4	70.8 71.4	71.9 72.6	72.5 73.2	73.0 73.7	73.1 73.8	73.2 73.9	73.4 74.0	73.4 74.1	73.4 74.1	73.4 74.1	73.5 74.1	73.5 74.1	73.5 74.1	73.5 74.1	73.5 74.2
≥ 3500 N 3000	58.2 59.1	72.7 74.0	74.0 75.3	74.7 76.1	75.2 76.6	75.2 76.7	75.4 76.8	75.5 77.0	75.5 77.0	75.5 77.0	75.6 77.0	75.6 77.0	75.6 77.0	75.6 77.1	75.6 77.1	75.6 77.1
≥ 2500 N 2000	60.2 61.3	75.8 77.6	77.3 79.2	78.2 80.2	78.7 80.8	78.8 80.9	79.0 81.0	79.1 81.2	79.1 81.2	79.2 81.2	79.2 81.3	79.2 81.3	79.2 81.3	79.2 81.3	79.2 81.3	79.2 81.3
≥ 1800 N 1500	61.6 63.0	78.2 80.8	79.9 82.6	80.8 83.7	81.4 84.4	81.5 84.5	81.7 84.7	81.8 84.8	81.9 84.9	81.9 84.9	81.9 84.9	81.9 84.9	82.0 85.0	82.0 85.0	82.0 85.0	82.0 85.0
≥ 1200 N 1000	64.1 65.3	83.4 85.5	85.4 87.6	86.6 88.9	87.3 89.8	87.4 89.9	87.7 90.2	87.8 90.4	87.8 90.4	87.9 90.5	87.9 90.5	87.9 90.5	88.0 90.6	88.0 90.6	88.0 90.6	88.0 90.7
≥ 900 N 800	65.6 66.1	86.5 87.7	88.6 90.0	90.0 91.6	91.0 92.6	91.1 92.7	91.4 93.2	91.6 93.4	91.6 93.4	91.7 93.5	91.7 93.6	91.7 93.6	91.8 93.7	91.8 93.7	91.8 93.7	91.9 93.7
≥ 700 N 600	66.4 66.6	88.6 89.4	90.9 92.0	92.6 93.7	93.7 95.0	93.8 95.2	94.3 95.7	94.6 96.0	94.6 96.0	94.7 96.2	94.8 96.3	94.8 96.3	94.9 96.4	94.9 96.4	94.9 96.4	94.9 96.4
≥ 500 N 400	66.7 66.7	90.2 90.4	92.9 93.2	94.8 95.2	96.2 96.8	96.4 97.0	97.1 97.8	97.4 98.2	97.5 98.3	97.7 98.5	97.8 98.7	97.8 98.7	97.9 98.8	97.9 98.8	97.9 98.8	98.0 98.9
≥ 300 N 200	66.7 66.7	90.4 90.4	93.3 93.3	95.3 95.3	97.0 97.0	97.2 97.2	98.0 98.1	98.6 98.7	98.7 98.8	99.0 99.1	99.2 99.3	99.2 99.3	99.4 99.6	99.4 99.6	99.5 99.7	99.6 99.8
≥ 100 N 0	66.7 66.7	90.4 90.4	93.3 93.3	95.3 95.3	97.0 97.0	97.2 97.2	98.1 98.1	98.7 98.7	98.8 98.8	99.1 99.1	99.3 99.3	99.3 99.3	99.6 99.6	99.7 99.7	99.8 99.8	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥5/16	¼	≥0
NO CEILING	51.2	59.4	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
≥ 20000	51.7	60.6	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	61.2
≥ 18000	51.7	60.6	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	61.2
≥ 16000	51.9	60.8	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	52.3	61.4	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	52.5	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
≥ 10000	54.5	64.5	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 9000	54.5	64.5	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000	55.2	65.7	65.9	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
≥ 7000	55.7	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000	56.0	66.9	67.1	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
≥ 5000	56.8	68.5	68.7	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
≥ 4500	57.5	69.8	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
≥ 4000	57.7	70.0	70.4	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
≥ 3500	58.8	71.3	71.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3000	60.0	73.3	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2500	60.8	75.1	75.5	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
≥ 2000	62.3	77.4	77.8	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
≥ 1800	62.4	78.6	79.0	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
≥ 1500	64.3	82.4	82.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	66.1	85.8	86.5	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	67.0	88.2	88.9	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
≥ 900	67.6	89.9	90.8	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	68.2	91.4	92.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	68.9	93.1	94.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 600	69.4	94.1	95.1	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥ 500	69.4	94.3	95.5	97.1	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
≥ 400	69.4	94.5	95.8	98.0	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 300	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 200	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.2
≥ 100	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.2	99.4	99.4
≥ 0	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72536

RANDOLPH AFB TX

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

3300-0500
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	39.5	49.4	57.0	50.4	50.8	50.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2
≥ 20000	40.5	50.8	51.4	51.8	52.2	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6
≥ 18000	40.6	50.9	51.5	51.9	52.3	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
≥ 16000	41.1	51.4	52.0	52.5	52.8	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
≥ 14000	41.1	51.4	52.0	52.5	52.8	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
≥ 12000	41.4	51.9	52.6	53.0	53.3	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
≥ 10000	42.2	53.5	54.2	54.6	54.9	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4
≥ 9000	42.8	54.5	55.2	55.6	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3
≥ 8000	43.7	55.7	56.3	56.8	57.1	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
≥ 7000	44.3	56.8	57.4	57.8	58.2	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 6000	44.9	58.1	58.7	59.1	59.5	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
≥ 5000	45.6	59.4	60.0	60.4	60.8	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
≥ 4500	46.9	60.9	61.6	62.0	62.4	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8
≥ 4000	47.0	61.8	62.8	63.4	63.8	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2
≥ 3500	48.2	63.5	64.5	65.4	65.7	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
≥ 3000	48.8	64.8	65.8	66.8	67.1	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5
≥ 2500	49.1	67.0	68.1	69.0	69.4	69.4	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9
≥ 2000	51.1	70.0	71.1	72.2	72.5	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
≥ 1800	51.2	70.5	71.6	72.8	73.3	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0
≥ 1500	53.0	74.2	75.3	76.5	77.0	77.3	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.1	78.1
≥ 1200	53.4	76.3	77.5	78.8	79.4	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.4	80.4
≥ 1000	54.3	78.3	79.8	81.2	81.8	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.9	82.9
≥ 900	54.4	79.1	80.9	82.4	83.0	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.5	84.5
≥ 800	55.2	81.4	83.2	84.9	85.9	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.4	87.4	87.5	87.5
≥ 700	55.3	82.6	84.6	86.5	87.6	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.4	89.4
≥ 600	55.3	83.8	85.9	88.0	89.1	89.9	90.2	90.6	90.8	90.9	90.9	90.9	90.9	91.1	91.1	91.3	91.3
≥ 500	55.4	84.9	87.4	89.9	91.4	92.2	92.7	93.3	93.5	93.7	93.7	93.7	93.7	93.9	94.0	94.1	94.1
≥ 400	55.4	85.3	88.5	91.0	92.5	93.2	94.0	94.7	94.9	95.2	95.2	95.2	95.2	95.4	95.5	95.6	95.6
≥ 300	55.4	85.4	88.6	91.5	93.1	94.0	95.3	96.1	96.3	96.6	96.7	96.7	96.7	97.0	97.1	97.3	97.5
≥ 200	55.4	85.4	88.6	91.5	93.1	94.0	95.4	96.3	96.6	97.2	97.5	97.5	97.5	98.0	98.2	98.6	99.0
≥ 100	55.4	85.4	88.6	91.5	93.1	94.0	95.4	96.3	96.6	97.2	97.5	97.6	97.6	98.1	98.6	99.2	99.9
≥ 0	55.4	85.4	88.6	91.5	93.1	94.0	95.4	96.3	96.6	97.2	97.5	97.6	97.6	98.1	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	34.3	41.6	42.9	44.6	45.6	46.1	46.6	46.9	47.0	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 18000 IV 6000	35.8	43.4	44.8	46.7	47.6	48.3	48.7	49.0	49.1	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 14000 IV 2000	36.3	44.4	45.8	47.6	48.6	49.2	49.7	50.0	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 10000 IV 9000	38.1	47.2	48.6	50.6	51.6	52.3	52.7	53.0	53.1	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 8000 IV 7000	38.4	47.7	49.1	51.2	52.2	52.8	53.2	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 6000 IV 5000	40.1	49.8	51.5	53.7	54.8	55.7	56.1	56.5	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 4500 IV 4000	41.7	51.9	53.7	55.9	57.1	58.0	58.4	58.7	58.8	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 3500 IV 3000	42.0	52.6	54.3	56.6	57.7	58.6	59.0	59.4	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 2500 IV 2000	42.8	53.8	55.5	57.7	59.1	60.0	60.4	60.8	60.9	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4
IV 1800 IV 1500	43.2	54.8	56.6	58.8	60.2	61.1	61.5	61.9	62.0	62.3	62.5	62.7	62.8	62.8	62.8	62.8	62.8
IV 1200 IV 1000	44.5	56.2	58.0	60.2	61.7	62.6	63.0	63.4	63.5	63.8	64.0	64.2	64.3	64.3	64.3	64.3	64.3
IV 900 IV 800	45.2	58.7	60.5	63.1	64.6	65.6	66.0	66.5	66.7	67.0	67.2	67.4	67.5	67.5	67.5	67.5	67.5
IV 700 IV 600	46.3	60.9	62.7	65.4	67.0	68.2	68.8	69.2	69.5	70.0	70.2	70.4	70.5	70.5	70.5	70.5	70.5
IV 500 IV 400	46.3	61.1	62.9	65.6	67.3	68.5	69.1	69.6	69.8	70.3	70.5	70.8	70.9	70.9	70.9	70.9	71.0
IV 300 IV 200	47.4	64.1	66.0	69.1	71.1	72.4	73.2	73.8	74.0	74.5	74.7	74.9	75.1	75.1	75.1	75.1	75.2
IV 100 IV 0	48.0	66.2	68.3	71.6	73.5	74.9	75.9	76.6	76.9	77.4	77.6	77.8	78.0	78.0	78.0	78.0	78.1
	48.2	67.2	69.6	73.1	75.1	76.5	77.4	78.2	78.5	79.1	79.4	79.6	79.7	79.7	79.7	79.7	79.8
	48.6	69.2	71.6	75.3	77.2	78.8	79.8	80.6	81.0	81.7	81.9	82.2	82.3	82.3	82.3	82.3	82.4
	49.0	71.0	73.5	77.3	79.9	81.7	82.7	83.7	84.0	84.7	84.9	85.2	85.3	85.3	85.3	85.3	85.4
	49.4	71.9	74.6	78.7	81.4	83.2	84.4	85.4	85.7	86.5	86.7	86.9	87.0	87.0	87.0	87.0	87.1
	49.4	73.2	76.2	81.3	84.5	86.6	87.8	88.8	89.1	89.9	90.1	90.3	90.4	90.4	90.4	90.4	90.5
	49.4	73.8	77.1	82.3	85.7	88.0	89.2	90.2	90.5	91.3	91.6	91.8	91.9	91.9	91.9	91.9	92.0
	49.4	74.2	77.7	83.5	87.4	89.8	91.6	92.6	92.9	93.7	94.0	94.2	94.3	94.3	94.3	94.3	94.9
	49.4	74.3	78.0	84.0	87.8	90.3	92.4	93.7	94.1	95.1	95.5	95.7	96.0	96.0	96.0	96.2	96.9
	49.4	74.3	78.0	84.0	87.8	90.3	92.5	93.9	94.4	95.9	96.7	96.9	97.7	97.7	97.7	98.2	98.9
	49.4	74.3	78.0	84.0	87.8	90.3	92.5	93.9	94.4	95.9	96.7	96.9	97.8	97.8	97.8	98.5	99.4
	49.4	74.3	78.0	84.0	87.8	90.3	92.5	93.9	94.4	95.9	96.7	96.9	97.8	97.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-80
 YEARS

OCT
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.0	50.6	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
≥ 20000	47.2	54.7	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV ≥ 18000	47.6	55.2	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 16000	48.0	55.5	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
IV 14000	48.7	56.5	57.5	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
IV 12000	49.1	57.5	58.6	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
IV 10000	50.8	59.6	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
IV 9000	51.0	59.8	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 8000	52.5	61.5	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	63.0
IV 7000	52.8	62.3	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000	52.8	62.4	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 5000	54.0	63.8	65.2	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 4500	54.1	64.0	65.4	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
IV 4000	54.1	64.1	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 3500	55.3	65.7	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 3000	56.7	68.2	70.1	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
IV 2500	58.2	71.4	73.5	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 2000	60.1	74.8	77.4	78.4	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 1800	60.4	75.8	78.4	79.5	80.0	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 1500	63.1	80.2	83.2	84.5	85.3	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	63.8	83.0	86.5	87.8	88.8	89.1	89.2	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1000	65.1	85.7	89.7	91.7	92.8	93.2	93.3	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900	65.2	86.3	90.3	92.7	94.1	94.5	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	65.2	86.8	91.0	93.4	94.9	95.4	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	65.4	87.1	91.4	94.1	95.6	96.0	96.1	96.2	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	65.5	87.4	91.9	94.7	96.5	96.9	97.0	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	65.5	87.5	92.4	95.3	97.0	97.4	97.7	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	65.5	87.7	92.6	95.5	97.5	98.0	98.4	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	65.5	87.7	92.6	95.5	97.5	98.0	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.6
IV 200	65.5	87.7	92.6	95.5	97.5	98.0	98.5	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.9
IV 100	65.5	87.7	92.6	95.5	97.5	98.0	98.5	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	100.0
IV 0	65.5	87.7	92.6	95.5	97.5	98.0	98.5	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

CEILING VERSUS VISIBILITY

102536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	59.4 63.3	62.4 67.3	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8	62.7 67.8
IV 18000 6000	63.9 64.0	67.8 68.0	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5	68.4 68.5
IV 14000 12000	65.1 65.9	69.0 70.2	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8	69.6 70.8
IV 10000 9000	68.7 69.2	74.0 74.6	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5	74.8 75.5
IV 8000 7000	69.8 70.6	75.4 76.6	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4	76.2 77.4
IV 6000 5000	71.2 72.2	77.2 78.2	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0	78.1 79.0
IV 4100 4000	72.6 73.5	78.7 79.9	79.6 80.8	79.6 80.9	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1	79.6 81.1
IV 3500 3000	75.6 77.2	82.5 84.8	83.4 85.9	83.5 86.0	83.8 86.2	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3	83.9 86.3
IV 2500 2000	79.6 80.6	88.3 90.1	89.5 91.3	89.7 91.6	89.9 91.8	90.0 91.9	90.2 92.2	90.2 92.3	90.2 92.3	90.2 92.3	90.2 92.3	90.2 92.3	90.2 92.3	90.2 92.3	90.2 92.3	90.2 92.3
IV 1800 1500	81.0 81.9	90.9 93.0	92.0 94.4	92.4 94.7	92.6 95.1	92.7 95.2	92.9 95.4	93.0 95.5	93.0 95.5	93.0 95.5	93.0 95.5	93.0 95.5	93.0 95.5	93.0 95.5	93.0 95.5	93.0 95.5
IV 1200 1000	82.5 82.6	94.6 95.3	96.2 97.2	96.8 97.7	97.1 98.3	97.2 98.4	97.4 98.6	97.5 98.7	97.5 98.7	97.5 98.7	97.6 98.8	97.7 98.9	97.7 98.9	97.7 98.9	97.7 98.9	97.7 98.9
IV 900 800	82.6 82.7	95.3 95.4	97.2 97.3	97.7 97.8	98.3 98.4	98.4 98.5	98.6 98.7	98.7 98.8	98.7 98.8	98.7 98.8	98.8 98.9	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0
IV 700 600	82.7 82.7	95.5 95.5	97.4 97.4	98.2 98.2	98.7 98.7	98.8 98.9	99.0 99.1	99.1 99.2	99.1 99.2	99.2 99.2	99.4 99.4	99.5 99.5	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6
IV 500 400	82.7 82.7	95.6 95.6	97.5 97.5	98.3 98.3	98.8 98.8	99.0 99.0	99.6 99.6	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	82.7 82.7	95.6 95.6	97.5 97.5	98.3 98.3	98.8 98.8	99.0 99.0	99.6 99.6	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	82.7 82.7	95.6 95.6	97.5 97.5	98.3 98.3	98.8 98.8	99.0 99.0	99.6 99.6	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

PANDOLPH AFB TX

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	64.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2000	69.1	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 1800	70.1	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 1600	70.3	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
≥ 1400	71.6	74.8	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
≥ 1200	72.6	76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1000	75.7	79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 900	76.2	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 800	77.6	81.6	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
≥ 700	78.3	83.1	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	79.0	84.1	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	80.0	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	80.6	85.8	86.1	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
≥ 4000	82.5	88.1	88.6	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	84.5	90.3	90.9	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
≥ 3000	85.7	92.2	92.7	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	86.9	93.4	94.1	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	87.5	94.2	94.8	95.5	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	87.6	94.3	94.9	95.6	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	87.8	94.7	95.5	96.2	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	88.0	95.1	95.9	96.8	97.1	97.1	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	88.1	95.5	96.3	97.3	97.6	97.6	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	88.2	95.7	96.6	97.5	98.0	98.0	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	88.3	95.8	96.8	97.8	98.5	98.5	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	88.5	96.0	97.0	98.1	98.7	98.7	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	88.6	96.1	97.1	98.2	98.8	98.8	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	88.6	96.2	97.2	98.3	98.9	98.9	99.4	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 400	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	88.6	96.5	97.4	98.5	99.1	99.1	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702036

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	66.6	70.5	70.6	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
≥ 20000	70.8	75.3	75.4	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
IN 18000	71.0	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IN 16000	71.3	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IN 14000	72.0	76.9	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 12000	73.0	78.2	78.4	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
IN 10000	75.5	80.9	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
IN 9000	75.9	81.3	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IN 8000	77.1	82.8	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IN 7000	77.3	83.4	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IN 6000	78.1	84.2	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IN 5000	79.7	86.0	86.5	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
IN 4500	80.9	87.5	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IN 4000	81.9	88.8	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IN 3500	83.3	90.5	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IN 3000	84.7	92.6	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IN 2500	84.8	93.7	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IN 2000	85.8	94.6	95.2	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
IN 1800	86.1	94.9	95.5	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IN 1500	86.6	95.6	96.1	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IN 1200	86.6	95.7	96.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 1000	87.0	96.5	97.0	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IN 900	87.0	96.5	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 800	87.0	96.5	97.2	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IN 700	87.2	96.7	97.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IN 600	87.2	96.8	97.5	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 500	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 400	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 300	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IN 200	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772036

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE

2100-2300

(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	63.3	70.2	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
≥ 20000	66.0	74.0	74.0	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	66.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 16000	66.7	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	67.0	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	75.3
≥ 12000	67.1	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	69.2	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 9000	69.4	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	78.0	78.0
≥ 8000	70.2	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	79.1
≥ 7000	70.5	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	79.5
≥ 6000	70.6	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 5000	71.3	80.3	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	80.8
≥ 4500	72.3	81.7	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
≥ 4000	72.6	82.6	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	74.1	84.4	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000	74.7	85.4	85.6	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	75.3	86.6	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	76.3	88.4	88.6	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
≥ 1800	76.9	89.1	89.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
≥ 1500	78.5	91.5	91.7	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6
≥ 1200	79.5	93.2	93.5	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
≥ 1000	81.1	95.6	95.9	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
≥ 900	81.2	96.0	96.3	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
≥ 800	81.5	96.3	96.7	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8
≥ 700	81.6	96.5	96.9	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
≥ 600	81.8	96.7	97.1	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 500	81.8	97.0	97.4	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2
≥ 400	81.8	97.0	97.4	98.3	98.9	99.0	99.1	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4
≥ 300	81.8	97.1	97.5	98.4	99.1	99.2	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6
≥ 200	81.8	97.1	97.5	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8
≥ 100	81.8	97.1	97.5	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9
≥ 0	81.8	97.1	97.5	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	52.3	58.9	59.4	59.7	59.9	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000	55.6	62.3	62.8	63.2	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	55.9	62.6	63.1	63.5	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	56.1	62.9	63.4	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	56.8	63.7	64.2	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 12000	57.3	64.5	65.0	65.4	65.6	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	59.3	67.1	67.7	68.2	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000	59.7	67.6	68.1	68.6	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	60.6	68.8	69.4	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	61.1	69.7	70.3	70.8	71.0	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	61.6	70.3	71.0	71.5	71.7	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	62.6	71.7	72.4	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	63.4	72.6	73.4	73.9	74.1	74.3	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	64.0	73.6	74.5	75.1	75.4	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	65.4	75.4	76.3	77.0	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	66.5	77.2	78.1	78.8	79.1	79.2	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2500	67.5	79.3	80.3	81.1	81.5	81.6	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0
≥ 2000	68.8	81.3	82.4	83.3	83.7	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 1800	69.0	81.9	83.0	83.9	84.4	84.6	84.8	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1
≥ 1500	70.3	84.5	85.6	86.7	87.3	87.5	87.8	87.9	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1
≥ 1200	71.0	86.3	87.6	88.8	89.3	89.6	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3
≥ 1000	71.7	87.8	89.3	90.6	91.3	91.6	91.8	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3
≥ 900	71.8	88.5	90.1	91.5	92.2	92.6	92.8	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.4
≥ 800	72.1	89.3	91.0	92.5	93.5	93.9	94.1	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.7	94.7
≥ 700	72.4	89.9	91.7	93.4	94.4	94.8	95.0	95.3	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6
≥ 600	72.5	90.4	92.3	94.2	95.3	95.7	96.0	96.3	96.3	96.5	96.5	96.6	96.6	96.7	96.7	96.7
≥ 500	72.5	90.8	92.8	94.8	96.0	96.5	96.9	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.7	97.7
≥ 400	72.5	91.0	93.1	95.2	96.6	97.1	97.6	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 300	72.5	91.0	93.2	95.4	96.7	97.3	97.9	98.3	98.4	98.6	98.7	98.8	98.9	98.9	98.9	99.1
≥ 200	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.3	99.4	99.6
≥ 100	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.6	99.8
≥ 0	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0		
NO CEILING	51.8	56.2	56.2	56.3	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 20000	52.8	57.4	57.4	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
≥ 18000	52.8	57.4	57.4	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
≥ 16000	53.2	57.9	57.9	58.0	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥ 14000	53.2	57.9	57.9	58.0	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥ 12000	53.2	58.1	58.1	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9
≥ 10000	54.3	59.6	59.7	59.8	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 9000	54.3	59.6	59.7	59.8	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 8000	54.7	59.9	60.0	60.1	60.4	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
≥ 7000	55.0	61.0	61.1	61.2	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
≥ 6000	56.8	62.1	62.2	62.3	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0
≥ 5000	57.7	63.4	63.6	63.7	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
≥ 4500	58.0	64.0	64.1	64.2	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 4000	58.4	64.7	64.8	64.9	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 3500	59.4	65.8	65.9	66.0	66.3	66.3	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7
≥ 3000	59.9	66.6	66.7	66.9	67.3	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
≥ 2500	62.3	70.1	70.3	70.6	71.2	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7
≥ 2000	63.9	72.2	72.4	72.7	73.3	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9
≥ 1800	64.2	73.6	73.8	74.0	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2
≥ 1500	65.0	75.7	75.9	76.2	77.1	77.3	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9
≥ 1200	66.0	78.9	79.2	79.6	80.6	80.8	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 1000	66.2	81.0	81.7	82.1	83.1	83.3	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0
≥ 900	66.3	82.2	83.1	83.7	84.7	84.9	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6
≥ 800	66.7	83.8	85.2	85.9	87.1	87.3	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 700	66.8	85.2	87.1	88.1	89.4	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3
≥ 600	66.8	86.0	88.2	89.7	91.1	91.3	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0
≥ 500	66.8	86.8	89.1	91.2	93.3	93.6	93.9	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
≥ 400	66.8	87.3	89.9	92.7	95.4	95.7	96.1	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 300	66.8	87.3	90.1	92.9	95.9	96.1	96.8	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.2
≥ 200	66.8	87.4	90.2	93.0	96.3	96.6	97.4	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 100	66.8	87.4	90.2	93.0	96.3	96.6	97.4	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 0	66.8	87.4	90.2	93.0	96.3	96.6	97.4	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AFM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

NGV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

U300-0500
 HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	46.3	49.7	49.9	50.4	50.9	50.9	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.8
≥ 20000	46.8	50.7	50.9	51.4	51.9	51.9	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.8
IV 18000	46.8	50.7	50.9	51.4	51.9	51.9	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.8
IV 16000	47.0	50.9	51.1	51.7	52.1	52.1	52.2	52.3	52.4	52.6	52.6	52.6	52.6	52.7	52.7	53.0
IV 14000	47.1	51.1	51.3	51.9	52.3	52.3	52.4	52.6	52.7	52.8	52.8	52.8	52.8	52.9	52.9	53.2
IV 12000	47.2	51.3	51.6	52.1	52.6	52.6	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.1	53.1	53.4
IV 10000	48.0	52.2	52.4	53.0	53.4	53.4	53.6	53.7	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.3
IV 9000	48.1	52.3	52.6	53.1	53.6	53.6	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.4
IV 8000	49.2	53.4	53.7	54.2	54.7	54.7	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.6
IV 7000	49.8	54.0	54.2	54.8	55.2	55.2	55.3	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.8	56.1
IV 6000	50.1	54.6	54.8	55.4	55.9	55.9	56.0	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.8
IV 5000	51.2	55.9	56.1	56.8	57.2	57.2	57.3	57.4	57.6	57.7	57.7	57.7	57.7	57.8	57.8	58.1
IV 4500	52.1	57.1	57.3	58.0	58.4	58.4	58.6	58.7	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.3
IV 4000	52.2	57.7	57.9	58.6	59.0	59.0	59.1	59.2	59.3	59.4	59.4	59.4	59.4	59.6	59.6	59.9
IV 3500	52.6	58.8	59.0	59.7	60.1	60.1	60.2	60.3	60.4	60.6	60.6	60.6	60.6	60.7	60.7	61.0
IV 3000	53.3	59.9	60.1	60.9	61.3	61.3	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.9	61.9	62.2
IV 2500	54.4	63.1	63.3	64.1	64.7	64.7	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.8
IV 2000	56.1	65.9	66.1	66.9	67.4	67.4	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.6
IV 1800	57.0	67.3	67.7	68.4	69.1	69.1	69.3	69.6	69.7	69.8	69.8	69.8	69.8	69.9	69.9	70.2
IV 1500	57.8	69.9	70.2	71.2	72.2	72.2	72.4	72.7	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.3
IV 1200	59.1	73.0	73.4	74.6	75.7	75.7	75.9	76.1	76.2	76.3	76.3	76.3	76.3	76.4	76.4	76.8
IV 1000	59.2	75.4	76.2	77.4	78.6	78.6	78.8	79.2	79.3	79.4	79.4	79.4	79.4	79.6	79.6	79.9
IV 900	59.4	77.3	78.2	79.6	80.9	80.9	81.1	81.6	81.7	81.8	81.8	81.8	81.8	81.9	81.9	82.2
IV 800	59.6	78.3	79.3	80.9	82.4	82.4	82.7	83.1	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.8
IV 700	59.8	79.6	80.8	82.9	84.6	84.6	84.8	85.3	85.4	85.6	85.6	85.6	85.6	85.7	85.7	86.0
IV 600	60.0	81.1	82.4	85.1	86.9	86.9	87.3	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.8
IV 500	60.0	82.0	83.4	86.9	89.3	89.4	90.0	90.8	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.4
IV 400	60.0	82.1	83.9	88.0	91.3	91.4	92.1	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.6
IV 300	60.0	82.1	84.0	88.3	92.3	92.8	93.9	94.7	94.9	95.0	95.0	95.0	95.0	95.1	95.1	95.7
IV 200	60.0	82.1	84.0	88.3	92.4	92.9	94.3	95.4	95.8	96.2	96.3	96.3	96.4	96.8	96.9	97.7
IV 100	60.0	82.1	84.0	88.3	92.4	92.9	94.3	95.4	95.8	96.4	96.6	96.6	96.7	97.0	97.7	98.9
IV 0	60.0	82.1	84.0	88.3	92.4	92.9	94.3	95.4	95.8	96.4	96.6	96.6	96.8	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

122536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.3	43.6	44.1	44.7	45.6	45.6	46.2	46.2	46.2	46.7	46.7	46.7	46.8	46.8	46.9	47.0
≥ 20000	39.9	44.2	44.8	45.3	46.2	46.3	47.0	47.0	47.0	47.4	47.4	47.4	47.6	47.6	47.7	47.8
≥ 18000	40.1	44.4	45.0	45.6	46.4	46.6	47.2	47.2	47.2	47.7	47.7	47.7	47.8	47.8	47.9	48.0
≥ 16000	40.1	44.4	45.0	45.6	46.4	46.6	47.2	47.2	47.2	47.7	47.7	47.7	47.8	47.8	47.9	48.0
≥ 14000	40.4	45.3	45.6	46.1	47.0	47.1	47.8	47.8	47.8	48.2	48.2	48.2	48.3	48.3	48.4	48.6
≥ 12000	40.8	45.4	46.0	46.6	47.4	47.6	48.2	48.2	48.2	48.7	48.7	48.7	48.8	48.8	48.9	49.0
≥ 10000	42.4	47.4	48.0	48.6	49.4	49.6	50.2	50.2	50.2	50.7	50.7	50.7	50.8	50.8	50.9	51.0
≥ 9000	42.7	47.7	48.2	48.8	49.7	49.8	50.4	50.4	50.4	50.9	50.9	50.9	51.0	51.0	51.1	51.2
≥ 8000	43.9	48.9	49.6	50.1	51.2	51.3	52.0	52.0	52.0	52.4	52.4	52.4	52.6	52.6	52.7	52.8
≥ 7000	44.9	50.0	50.8	51.3	52.4	52.6	53.2	53.2	53.2	53.7	53.7	53.7	53.8	53.8	53.9	54.0
≥ 6000	45.6	51.9	51.7	52.2	53.3	53.4	54.1	54.1	54.1	54.6	54.6	54.6	54.7	54.7	54.8	54.9
≥ 5000	46.7	52.3	53.2	53.8	54.9	55.0	55.7	55.7	55.7	56.1	56.1	56.1	56.2	56.2	56.3	56.4
≥ 4500	46.8	52.8	53.7	54.2	55.3	55.4	56.1	56.1	56.1	56.6	56.6	56.6	56.7	56.7	56.8	56.9
≥ 4000	46.9	53.4	54.6	55.1	56.2	56.3	57.0	57.0	57.0	57.4	57.4	57.4	57.6	57.6	57.7	57.8
≥ 3500	47.2	54.2	55.3	56.0	57.1	57.3	58.0	58.0	58.0	58.4	58.4	58.4	58.6	58.6	58.7	58.8
≥ 3000	47.9	55.3	56.6	57.2	58.3	58.6	59.2	59.2	59.3	59.8	59.8	59.8	59.9	59.9	60.0	60.1
≥ 2500	48.8	58.7	59.9	60.8	62.4	62.7	63.3	63.3	63.4	63.9	63.9	63.9	64.0	64.0	64.1	64.2
≥ 2000	50.6	61.0	62.4	63.3	65.0	65.2	65.9	65.9	66.0	66.4	66.4	66.4	66.6	66.6	66.7	66.8
≥ 1800	50.9	61.4	63.0	63.9	65.6	65.8	66.4	66.4	66.6	67.0	67.0	67.0	67.1	67.1	67.2	67.3
≥ 1500	52.3	65.2	66.8	67.8	69.4	69.7	70.7	70.7	70.8	71.2	71.3	71.3	71.4	71.4	71.7	71.8
≥ 1200	53.1	67.1	68.8	70.0	71.7	71.9	72.9	72.9	73.0	73.4	73.6	73.6	73.7	73.7	73.9	74.0
≥ 1000	53.7	68.1	69.9	71.2	72.9	73.2	74.2	74.3	74.6	75.0	75.1	75.1	75.2	75.2	75.4	75.6
≥ 900	53.3	69.4	71.8	73.3	75.3	75.7	76.7	77.0	77.2	77.7	77.8	77.8	78.0	78.0	78.2	78.3
≥ 800	53.8	70.6	73.1	75.1	77.1	77.4	78.7	79.0	79.2	79.7	79.8	79.8	80.0	80.0	80.2	80.3
≥ 700	54.0	72.2	75.0	77.4	79.8	80.2	81.6	82.0	82.2	82.7	82.8	82.8	83.0	83.0	83.2	83.3
≥ 600	54.0	73.6	76.6	79.6	82.4	82.9	84.2	84.8	85.0	85.4	85.6	85.6	85.8	85.8	86.0	86.1
≥ 500	54.0	74.2	77.4	80.7	84.1	84.6	86.1	86.7	86.9	87.4	87.6	87.6	87.8	87.8	88.0	88.1
≥ 400	54.0	74.2	77.4	81.1	85.0	85.7	87.8	88.6	88.8	89.6	89.8	89.8	90.1	90.1	90.6	90.8
≥ 300	54.0	74.3	77.7	81.3	85.6	86.4	88.7	89.7	90.1	91.3	91.8	91.8	92.2	92.2	92.7	93.6
≥ 200	54.0	74.3	77.7	81.3	85.6	86.6	88.9	90.1	90.7	92.2	92.7	92.7	93.3	93.7	94.4	96.2
≥ 100	54.0	74.3	77.7	81.3	85.6	86.6	89.0	90.2	90.8	92.3	92.8	92.8	93.6	94.1	95.1	98.8
≥ 0	54.0	74.3	77.7	81.3	85.6	86.6	89.0	90.2	90.8	92.3	92.8	92.8	93.6	94.1	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	45.3	48.3	48.3	48.4	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 2000	45.3	49.3	49.3	49.4	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 1800	46.1	49.6	49.6	49.7	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1600	46.3	49.8	49.8	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 1400	46.7	50.1	50.1	50.2	50.3	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 1200	47.9	51.3	51.3	51.4	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 1000	49.3	53.0	53.0	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 900	49.9	53.7	53.7	53.8	53.9	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 800	51.4	55.4	55.4	55.7	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 700	52.6	56.6	56.7	56.9	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 600	53.2	57.2	57.3	57.6	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 500	54.9	59.6	59.7	60.0	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4500	55.3	60.0	60.1	60.6	60.7	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4000	56.0	60.8	61.1	61.6	61.7	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3500	56.6	61.8	62.2	62.7	62.8	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3000	58.8	64.2	64.7	65.2	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 2500	61.3	68.3	68.9	69.4	69.7	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2000	62.9	71.3	71.9	72.6	73.0	73.0	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800	63.7	72.1	72.7	73.3	73.8	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1500	65.2	75.0	75.8	76.6	77.4	77.4	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1200	65.9	77.1	78.6	79.6	80.4	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1000	66.6	79.9	81.4	82.9	83.8	83.9	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 900	66.8	80.9	82.4	83.9	84.9	85.0	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	66.9	81.9	83.7	85.1	86.3	86.4	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	67.1	83.8	85.7	87.9	89.6	89.7	90.7	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	67.1	84.7	86.8	89.0	91.1	91.3	92.7	93.0	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 500	67.1	84.9	87.1	89.8	92.0	92.2	93.9	94.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	67.1	84.9	87.2	89.9	92.4	92.8	94.4	94.9	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 300	67.1	84.9	87.3	90.0	92.8	93.1	94.9	95.3	95.6	97.0	97.6	97.6	97.8	97.9	98.0	98.0
≥ 200	67.1	84.9	87.3	90.0	92.8	93.1	95.0	95.4	95.7	97.1	97.7	97.7	98.0	98.1	98.7	98.7
≥ 100	67.1	84.9	87.3	90.0	92.8	93.1	95.0	95.4	95.7	97.1	97.7	97.7	98.1	98.3	99.4	99.8
≥ 0	67.1	84.9	87.3	90.0	92.8	93.1	95.0	95.4	95.7	97.1	97.7	97.7	98.1	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	56.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	59.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 16000	60.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 14000	60.2	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	62.3	62.3	62.3
IV 12000	61.0	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	63.1	63.1
IV 10000	61.8	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	64.4
IV 9000	62.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	63.9	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	67.1	67.1
IV 7000	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 6000	66.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 5000	67.7	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	71.4	71.4
IV 4500	68.1	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	71.9
IV 4000	69.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	70.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3000	74.4	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	79.4
IV 2500	77.2	83.7	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	79.2	87.2	87.2	87.3	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1800	79.6	88.1	88.1	88.2	88.4	88.4	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1500	79.7	88.9	89.0	89.1	89.3	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1200	81.1	91.2	91.3	91.7	91.9	91.9	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1000	81.4	92.3	92.6	93.2	93.6	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 900	81.4	92.7	92.9	93.7	94.2	94.3	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	81.7	93.2	93.8	94.6	95.1	95.2	95.8	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	81.7	93.7	94.3	95.2	95.8	95.9	96.4	96.7	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	81.7	93.8	94.7	95.6	96.3	96.4	97.0	97.2	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	81.7	93.8	94.7	95.9	96.8	96.9	97.6	98.0	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	81.7	93.9	94.9	96.2	97.2	97.3	98.2	98.8	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	81.7	93.9	94.9	96.2	97.2	97.3	98.2	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	81.7	93.9	94.9	96.2	97.2	97.3	98.2	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0
IV 100	81.7	93.9	94.9	96.2	97.2	97.3	98.2	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0
IV 0	81.7	93.9	94.9	96.2	97.2	97.3	98.2	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	62.8	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	66.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 18000	67.3	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 16000	67.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 14000	68.8	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	70.0	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	72.0
IV 10000	70.6	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	72.8
IV 9000	71.1	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	73.3
IV 8000	72.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 7000	73.6	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
IV 6000	74.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	76.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	77.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4000	79.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	80.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 3000	82.2	87.3	87.3	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2500	84.3	90.2	90.2	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	84.9	91.3	91.3	92.0	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	84.9	91.3	91.3	92.1	92.2	92.2	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6
IV 1500	85.3	91.9	92.0	92.8	92.9	92.9	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	85.6	92.7	93.0	93.8	93.9	93.9	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1000	86.0	93.4	94.0	94.9	95.1	95.1	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	86.2	93.7	94.2	95.1	95.3	95.4	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	86.2	93.7	94.3	95.3	95.6	95.7	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	86.2	93.9	94.8	95.8	96.2	96.3	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	86.3	94.2	95.1	96.1	96.7	96.8	97.2	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	86.3	94.3	95.3	96.6	97.3	97.4	97.9	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
IV 200	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0
IV 100	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0
IV 0	86.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥¼	≥0	
NO CEILING	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	65.2	65.2	65.2
≥ 20000	66.7	68.8	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
≥ 18000	67.0	69.3	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	67.2	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000	67.8	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	70.2
≥ 12000	68.4	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
≥ 10000	69.3	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000	69.3	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 8000	70.2	73.0	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
≥ 7000	71.2	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 6000	72.1	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	76.0
≥ 5000	73.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	74.1	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	78.6	78.6
≥ 4000	75.6	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	80.1
≥ 3500	76.8	81.8	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	78.7	84.3	84.7	85.2	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	80.3	87.4	88.0	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	81.6	89.1	89.9	90.7	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	81.7	89.2	90.0	90.8	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	82.2	90.2	91.1	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	82.9	91.6	92.7	93.7	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	83.1	92.0	93.2	94.3	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	83.1	92.1	93.3	94.4	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	83.1	92.6	93.9	95.1	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	83.1	92.6	94.0	95.6	96.4	96.4	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	83.1	92.8	94.2	95.8	96.7	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 500	83.1	93.0	94.4	96.2	97.1	97.2	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	83.1	93.1	94.6	96.3	97.3	97.4	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	83.1	93.1	94.6	96.3	97.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.6
≥ 200	83.1	93.1	94.6	96.3	97.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.6
≥ 100	83.1	93.1	94.6	96.3	97.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.6
0	83.1	93.1	94.6	96.3	97.3	97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

PANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	54.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IN 18000	66.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IN 16000	66.2	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IN 14000	66.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IN 12000	67.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IN 10000	67.8	70.2	70.3	70.4	70.4	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 9000	67.8	70.2	70.3	70.4	70.4	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 8000	68.2	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IN 7000	69.3	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IN 6000	69.9	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IN 5000	71.3	74.3	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IN 4500	71.6	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IN 4000	72.8	76.4	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IN 3500	73.3	77.3	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IN 3000	74.4	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IN 2500	76.9	82.4	82.6	82.9	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 2000	78.7	84.8	84.9	85.3	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IN 1800	78.9	85.1	85.3	85.8	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IN 1500	79.3	86.4	87.0	87.6	87.8	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IN 1200	80.0	89.8	90.3	91.1	91.3	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IN 1000	80.8	91.4	92.0	92.8	93.1	93.2	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 900	80.8	92.0	92.7	93.7	94.1	94.2	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IN 800	80.8	92.9	93.7	94.8	95.4	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IN 700	80.8	93.3	94.1	95.3	96.3	96.4	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IN 600	80.8	93.4	94.2	95.4	96.4	96.6	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 500	80.8	93.4	94.3	95.7	96.8	96.9	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IN 400	80.8	93.4	94.3	95.7	96.8	96.9	97.7	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IN 300	80.8	93.4	94.3	95.7	96.8	96.9	97.9	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 200	80.8	93.4	94.4	95.9	97.1	97.3	98.3	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.2	99.2
IN 100	80.8	93.4	94.4	95.9	97.1	97.3	98.3	98.4	98.4	99.1	99.1	99.2	99.2	99.2	99.3	99.3
IN 0	80.8	93.4	94.4	95.9	97.1	97.3	98.3	98.4	98.4	99.1	99.1	99.2	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	53.6	56.4	56.5	56.7	56.9	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.3
IV 18000 16000	55.8	58.6	58.8	58.9	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5
IV 14000 12000	56.3	59.5	59.6	59.8	60.0	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4
IV 10000 9000	57.9	61.5	61.6	61.8	62.0	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4
IV 8000 7000	58.2	61.7	61.9	62.0	62.3	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7
IV 6000 5000	59.2	62.9	63.0	63.2	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9
IV 4500 4000	60.3	64.2	64.3	64.5	64.8	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2
IV 3500 3000	61.0	65.0	65.2	65.4	65.6	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0
IV 2500 2000	62.4	66.8	67.0	67.2	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9
IV 1800 1500	63.0	67.6	67.8	68.0	68.3	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.7
IV 1200 1000	63.8	68.7	69.0	69.2	69.5	69.5	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9
IV 900 800	64.6	69.9	70.2	70.5	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2
IV 700 600	66.2	72.0	72.3	72.7	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5
IV 500 400	68.3	75.5	75.9	76.4	76.9	76.9	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.4
IV 300 200	69.7	77.9	78.3	78.8	79.4	79.5	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.0
IV 100 0	70.1	78.5	79.0	79.6	80.1	80.2	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.8
	70.9	80.4	81.0	81.6	82.3	82.4	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1
	71.7	82.7	83.4	84.2	85.0	85.0	85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.8	85.8	85.8
	72.1	84.2	85.1	86.1	86.9	87.0	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8
	72.2	85.0	86.1	87.2	88.1	88.2	88.6	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.1
	72.3	85.9	87.1	88.3	89.4	89.5	90.1	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.6	90.6
	72.4	86.8	88.2	89.8	91.0	91.2	91.8	92.0	92.1	92.3	92.3	92.3	92.3	92.4	92.4	92.5
	72.5	87.4	89.0	90.8	92.2	92.4	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
	72.5	87.8	89.5	91.6	93.3	93.5	94.3	94.7	94.8	95.1	95.2	95.2	95.2	95.2	95.3	95.3
	72.5	87.9	89.7	92.1	94.2	94.4	95.3	95.7	95.8	96.4	96.4	96.4	96.5	96.5	96.6	96.7
	72.5	87.9	89.8	92.2	94.4	94.8	95.9	96.4	96.5	97.3	97.5	97.5	97.6	97.6	97.7	97.9
	72.5	87.9	89.8	92.2	94.6	94.9	96.1	96.7	96.9	97.7	97.9	97.9	98.1	98.2	98.5	98.8
	72.5	87.9	89.8	92.2	94.6	94.9	96.1	96.7	96.9	97.8	98.0	98.0	98.2	98.4	98.8	99.5
	72.5	87.9	89.8	92.2	94.6	94.9	96.1	96.7	96.9	97.8	98.0	98.0	98.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	48.5	52.6	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.4
≥ 20000	51.7	56.1	56.7	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
≥ 18000	52.2	56.6	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.5
≥ 16000	52.4	56.8	57.3	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.7
≥ 14000	53.3	57.7	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.7
≥ 12000	53.3	57.7	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.8
≥ 10000	53.9	58.3	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.4
≥ 9000	53.9	58.3	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.4
≥ 8000	54.2	58.9	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	60.0
≥ 7000	54.7	59.6	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.6
≥ 6000	55.4	60.2	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.3
≥ 5000	56.7	61.6	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.6	62.7
≥ 4500	58.5	63.9	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.9
≥ 4000	59.4	64.8	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.8	65.8	65.9
≥ 3500	60.0	65.5	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.5	66.5	66.6
≥ 3000	61.6	68.1	68.6	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.1
≥ 2500	63.0	70.1	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3
≥ 2000	64.3	71.9	72.6	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.1	73.1	73.2
≥ 1800	65.3	73.2	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.5
≥ 1500	66.6	75.6	76.2	76.3	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.3
≥ 1200	67.6	78.3	79.0	79.1	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.2
≥ 1000	68.3	80.0	81.0	81.3	81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.6
≥ 900	68.5	81.4	82.6	83.0	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.5
≥ 800	68.7	83.5	85.1	85.5	86.3	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.1
≥ 700	69.1	84.4	86.2	86.8	87.8	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.6
≥ 600	69.6	85.5	87.3	87.8	88.9	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.7
≥ 500	69.6	86.1	88.1	88.8	90.2	90.2	90.5	90.6	90.9	91.0	91.0	91.0	91.0	91.4	91.4	91.5
≥ 400	69.7	86.3	88.4	89.2	90.9	91.0	91.7	91.9	92.2	92.4	92.4	92.4	92.4	92.8	92.8	92.9
≥ 300	69.7	86.6	88.7	89.9	91.8	92.3	93.2	93.7	93.9	94.2	94.3	94.3	94.3	94.7	94.7	94.9
≥ 200	69.7	86.7	88.8	90.3	92.4	92.8	94.1	94.5	94.7	95.5	95.9	95.9	95.9	96.5	96.5	97.2
≥ 100	69.7	86.7	88.8	90.3	92.4	92.8	94.1	94.5	94.7	95.5	96.1	96.1	96.1	96.7	96.7	97.2
≥ 0	69.7	86.7	88.8	90.3	92.4	92.8	94.1	94.5	94.7	95.5	96.1	96.1	96.1	96.7	96.7	97.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																	
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¾	≥0	
NO CEILING	44.3	49.0	49.2	49.5	49.7	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.5	50.8	51.0
≥ 20000	46.5	51.6	51.8	52.0	52.4	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.2	53.4	53.7
≥ 18000	46.7	51.8	52.0	52.3	52.6	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.4	53.4	53.7	53.9	
≥ 16000	47.1	52.3	52.5	52.7	53.0	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.9	53.9	54.1	54.3	
≥ 14000	48.1	53.2	53.4	53.7	54.0	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.8	54.8	55.1	55.3	
≥ 12000	48.4	53.5	53.8	54.0	54.3	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.2	55.2	55.4	55.6	
≥ 10000	48.8	54.0	54.2	54.4	54.7	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.6	55.6	55.8	56.0	
≥ 9000	49.0	54.2	54.4	54.6	54.9	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.8	55.8	56.0	56.2	
≥ 8000	49.9	55.4	55.6	55.8	56.1	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.0	57.0	57.2	57.4	
≥ 7000	50.6	56.7	56.9	57.1	57.4	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.5	58.7	
≥ 6000	50.8	56.8	57.0	57.2	57.5	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.6	58.8	
≥ 5000	51.5	57.6	57.8	58.1	58.4	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.5	59.7	
≥ 4500	52.0	58.7	58.9	59.1	59.5	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3	60.5	60.8	
≥ 4000	52.6	59.6	59.8	60.0	60.3	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2	61.2	61.4	61.6	
≥ 3500	53.3	60.5	60.8	61.0	61.3	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.2	62.2	62.4	62.6	
≥ 3000	54.6	62.2	62.4	62.6	63.0	63.1	63.5	63.5	63.7	63.7	63.7	63.7	63.7	64.0	64.0	64.2	64.4	
≥ 2500	56.6	64.8	65.1	65.3	65.7	65.8	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.7	66.7	66.9	67.1	
≥ 2000	57.8	66.9	67.1	67.3	67.7	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.9	69.1	
≥ 1800	58.6	68.0	68.2	68.5	68.9	69.0	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.9	69.9	70.1	70.3	
≥ 1500	60.2	70.3	70.5	70.9	71.4	71.5	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.4	72.4	72.6	72.8	
≥ 1200	60.6	72.6	73.0	73.4	74.0	74.1	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.9	74.9	75.3	75.5	
≥ 1000	61.7	74.6	75.5	76.2	77.0	77.1	77.6	77.6	77.7	77.7	77.7	77.7	77.7	78.1	78.1	78.4	78.6	
≥ 900	62.2	75.8	76.7	77.4	78.2	78.3	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.6	79.8	
≥ 800	62.3	77.5	78.8	79.7	80.5	80.6	81.2	81.2	81.3	81.4	81.5	81.5	81.5	81.8	81.8	82.2	82.4	
≥ 700	62.7	79.4	80.8	82.0	82.9	83.0	83.8	83.8	83.9	84.0	84.1	84.1	84.1	84.4	84.4	84.7	84.9	
≥ 600	62.7	80.4	82.2	83.9	84.9	85.1	85.9	85.9	86.0	86.2	86.3	86.3	86.3	86.7	86.7	87.0	87.2	
≥ 500	62.7	80.6	82.4	84.5	86.1	86.3	87.5	87.6	88.0	88.2	88.5	88.5	88.5	88.8	88.8	89.2	89.5	
≥ 400	62.7	80.6	82.5	84.9	86.9	87.1	88.3	88.5	88.8	89.1	89.5	89.5	89.5	89.9	89.9	90.3	90.5	
≥ 300	62.7	80.6	82.6	85.3	87.4	87.8	89.1	89.6	90.1	90.6	91.5	91.5	91.5	91.9	91.9	92.4	92.7	
≥ 200	62.7	80.6	82.6	85.5	87.7	88.2	89.6	90.0	90.8	91.4	92.4	92.4	92.4	93.1	93.2	94.2	96.1	
≥ 100	62.7	80.6	82.6	85.5	87.7	88.2	89.7	90.1	90.9	91.5	92.8	92.8	92.8	93.5	93.7	95.1	98.7	
≥ 0	62.7	80.6	82.6	85.5	87.7	88.2	89.7	90.1	90.9	91.5	92.8	92.8	92.8	93.5	93.8	95.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	39.1	43.1	43.4	44.1	44.6	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.4	45.4	45.7	45.9
IV 20000	41.6	45.8	46.1	46.8	47.3	47.6	47.8	47.8	47.8	47.8	47.8	47.8	48.1	48.1	48.4	48.5
IV 18000	41.7	45.9	46.2	46.9	47.4	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.2	48.2	48.5	48.6
IV 16000	42.6	46.8	47.1	47.7	48.3	48.6	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.4	49.5
IV 14000	43.7	47.8	48.2	48.8	49.4	49.7	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.4	50.5
IV 12000	45.1	49.4	49.7	50.3	50.9	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.9	52.0
IV 10000	45.4	49.7	50.0	50.6	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.9	51.9	52.3	52.4
IV 9000	45.6	49.9	50.2	50.9	51.4	51.7	51.9	51.9	51.9	51.9	51.9	51.9	52.2	52.2	52.5	52.6
IV 8000	46.6	51.2	51.5	52.2	52.8	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.9	54.0
IV 7000	48.0	52.9	53.2	53.9	54.5	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.6	55.7
IV 6000	48.5	53.7	54.0	54.6	55.3	55.6	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.3	56.5
IV 5000	49.1	54.6	54.9	55.6	56.2	56.6	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.3	57.4
IV 4500	49.7	55.5	55.8	56.5	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.8	57.8	58.2	58.3
IV 4000	50.6	56.7	57.0	57.6	58.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.4	59.5
IV 3500	51.7	58.0	58.3	58.9	59.6	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.6	60.8
IV 3000	52.0	58.5	58.8	59.5	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.9	60.9	61.2	61.3
IV 2500	52.9	60.5	61.1	61.7	62.4	62.7	62.9	62.9	62.9	62.9	62.9	62.9	63.1	63.1	63.4	63.5
IV 2000	53.8	62.9	63.5	64.4	65.1	65.4	65.6	65.6	65.6	65.7	65.7	65.7	66.0	66.0	66.3	66.5
IV 1800	54.5	63.8	64.5	65.5	66.1	66.5	66.7	66.7	66.8	66.8	66.8	66.8	67.1	67.1	67.4	67.5
IV 1500	56.3	66.5	67.3	68.7	69.5	69.8	70.1	70.1	70.2	70.2	70.2	70.2	70.6	70.6	71.0	71.1
IV 1200	57.5	68.7	70.0	71.5	72.3	72.6	72.9	72.9	73.0	73.0	73.0	73.1	73.4	73.4	73.8	73.9
IV 1000	58.4	71.0	72.4	74.2	75.2	75.5	76.0	76.0	76.1	76.1	76.1	76.2	76.6	76.6	76.9	77.0
IV 900	58.8	72.4	73.8	75.9	77.0	77.4	78.0	78.0	78.1	78.2	78.2	78.3	78.6	78.6	78.9	79.0
IV 800	59.0	73.2	74.8	77.1	78.5	78.9	79.6	79.6	79.7	79.8	79.8	79.9	80.2	80.2	80.5	80.6
IV 700	59.0	75.1	77.0	79.4	81.2	81.8	82.7	82.7	82.8	82.9	83.0	83.1	83.4	83.4	83.8	83.9
IV 600	59.0	75.6	77.6	80.3	82.3	82.9	84.0	84.1	84.3	84.4	84.4	84.6	84.7	85.3	85.3	85.6
IV 500	59.0	76.1	78.3	81.3	83.3	84.3	85.7	85.8	86.0	86.3	86.8	86.9	87.4	87.4	87.8	88.0
IV 400	59.0	76.2	78.6	81.8	84.5	85.5	87.0	87.2	87.4	88.0	88.5	88.6	89.4	89.5	90.1	90.3
IV 300	59.0	76.5	78.8	82.0	84.9	86.1	87.7	88.3	88.6	89.4	90.0	90.1	91.0	91.1	91.9	92.5
IV 200	59.0	76.5	78.8	82.0	85.1	86.3	88.1	88.7	89.1	90.5	91.7	91.8	92.9	93.0	94.2	95.9
IV 100	59.0	76.5	78.8	82.0	85.1	86.3	88.1	88.7	89.1	90.8	92.3	92.4	94.0	94.1	95.6	98.4
IV 0	59.1	76.5	78.8	82.0	85.1	86.3	88.1	88.7	89.1	90.8	92.3	92.4	94.1	94.2	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	40.4	43.2	43.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.1	44.1
≥ 20000	44.7	47.6	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.5	48.5
IV 18000	44.7	47.6	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.5	48.5
IV 16000	44.8	47.7	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.5	48.6	48.6
IV 14000	46.9	49.7	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.4	50.5	50.5
IV 12000	47.8	51.0	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.7	51.8	51.8
IV 10000	48.5	51.7	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.6	52.6
IV 9000	48.6	52.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.8	52.9	52.9
IV 8000	50.0	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.4	54.4
IV 7000	52.3	55.8	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.6	56.7	56.7
IV 6000	53.1	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.5	57.5
IV 5000	54.2	57.8	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.8	58.8
IV 4500	54.6	58.5	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.4	59.5	59.5
IV 4000	56.6	60.5	60.9	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.7	61.7
IV 3500	57.1	61.2	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.4	62.4
IV 3000	58.3	62.7	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.8	63.9	63.9
IV 2500	60.1	65.8	66.1	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.0	67.1	67.1
IV 2000	60.9	68.0	68.7	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.9	69.9
IV 1800	61.2	68.4	69.2	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.4	70.4
IV 1500	63.0	71.5	72.7	73.3	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	74.0	74.1	74.1
IV 1200	64.3	74.8	76.2	76.9	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.7	77.8
IV 1000	64.8	77.2	78.7	79.4	79.7	79.8	79.8	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.3	80.4
IV 900	64.9	78.0	79.6	80.3	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.4	81.5
IV 800	65.5	79.0	80.9	81.7	82.4	82.5	82.5	82.9	82.9	83.0	83.0	83.1	83.1	83.1	83.3	83.4
IV 700	65.5	80.0	81.9	83.1	84.2	84.3	84.5	85.2	85.3	85.4	85.5	85.5	85.5	85.7	85.8	85.8
IV 600	65.5	80.6	82.7	84.2	85.4	85.5	85.9	87.0	87.2	87.3	87.6	87.6	87.7	88.0	88.1	88.1
IV 500	65.5	80.9	83.1	85.1	86.9	87.1	88.1	89.4	89.6	89.9	90.5	90.5	90.6	90.9	91.0	91.0
IV 400	65.5	81.1	83.5	85.7	87.7	88.0	89.1	90.8	91.2	92.0	92.7	92.7	92.8	93.1	93.3	93.4
IV 300	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.1	95.1	95.1	95.6	96.0	96.6	96.8
IV 200	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.3	95.7	95.8	96.6	97.0	97.7	98.1
IV 100	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.3	95.7	95.8	96.7	97.1	98.1	99.6
IV 0	65.5	81.1	83.5	85.7	88.0	88.3	89.6	91.6	92.6	94.3	95.7	95.8	96.7	97.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	47.4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 18000 16000	54.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 14000 12000	55.5	57.6	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
IV 10000 9000	57.4	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	59.9	59.9
IV 8000 7000	59.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000 5000	62.5	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 4500 4000	64.5	67.2	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 3500 3000	67.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 2500 2000	72.5	76.9	77.2	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 1800 1500	75.4	81.2	81.5	81.7	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 1200 1000	78.4	87.1	87.8	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
IV 900 800	78.9	89.2	90.4	90.9	91.4	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 700 600	79.1	90.3	91.7	92.4	93.1	93.4	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500 400	79.1	90.3	91.9	93.1	94.7	95.1	95.6	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
IV 300 200	79.1	90.3	92.0	93.4	95.8	96.1	96.7	98.0	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.4
IV 100 0	79.1	90.3	92.0	93.4	95.8	96.1	96.8	98.1	98.4	99.1	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

172536

RANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000 ≥ 16000	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000 ≥ 12000	60.3	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	61.4
≥ 10000 ≥ 9500	62.2	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	63.4
≥ 8000 ≥ 7000	64.2	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
≥ 6000 ≥ 5000	67.7	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
≥ 4500 ≥ 4000	71.4	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500 ≥ 3000	73.9	76.3	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	76.6
≥ 2500 ≥ 2000	81.1	85.6	85.9	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800 ≥ 1500	82.7	88.2	88.6	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200 ≥ 1000	83.8	91.4	92.2	92.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900 ≥ 800	84.2	91.9	92.9	93.8	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700 ≥ 600	84.4	92.3	93.4	94.3	95.6	95.6	95.8	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500 ≥ 400	84.4	92.5	93.9	95.2	96.7	96.8	97.0	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 300 ≥ 200	84.4	92.5	94.0	95.5	97.1	97.2	97.6	98.1	98.2	98.7	99.1	99.1	99.2	99.2	99.2	99.2
≥ 100 ≥ 0	84.4	92.5	94.0	95.5	97.1	97.2	97.6	98.1	98.2	98.7	99.2	99.2	99.2	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 930

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	56.2	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	63.8	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
IV 18000	64.7	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	66.3
IV 16000	64.0	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	66.3
IV 14000	65.2	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 12000	65.5	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 10000	66.2	68.7	68.8	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 9000	66.5	68.9	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 8000	67.7	70.4	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
IV 7000	68.8	71.7	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
IV 6000	69.6	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	70.4	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	72.3	76.1	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	73.6	77.5	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3500	74.6	78.9	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
IV 3000	77.9	83.2	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9
IV 2500	78.6	86.5	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9
IV 2000	79.3	87.7	88.3	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3
IV 1800	79.3	87.9	88.6	88.9	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6
IV 1500	79.8	89.2	89.9	90.6	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6
IV 1200	79.9	90.0	90.8	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7
IV 1000	80.8	91.4	92.3	93.1	94.3	94.3	94.5	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7
IV 900	80.9	91.5	92.6	93.3	94.5	94.5	94.7	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9
IV 800	81.0	91.8	92.9	93.6	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3
IV 700	81.0	92.1	93.2	94.2	95.5	95.5	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0
IV 600	81.0	92.6	93.7	94.7	96.1	96.1	96.4	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7
IV 500	81.0	92.7	93.9	94.8	96.4	96.4	96.9	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4
IV 400	81.0	92.7	93.9	94.8	96.9	96.9	97.3	97.6	97.6	97.6	97.6	97.7	98.0	98.0	98.0	98.0
IV 300	81.0	92.7	93.9	94.8	97.0	97.0	97.5	98.0	98.0	98.0	98.0	98.3	98.7	98.7	98.7	98.7
IV 200	81.0	92.7	93.9	94.8	97.0	97.0	97.5	98.0	98.0	98.0	98.4	99.1	99.1	99.2	99.2	99.2
IV 100	81.0	92.7	93.9	94.8	97.0	97.0	97.5	98.0	98.0	98.0	98.4	99.2	99.4	99.5	99.5	99.5
IV 0	81.0	92.7	93.9	94.8	97.0	97.0	97.5	98.0	98.0	98.0	98.4	99.2	99.4	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.8	57.8	57.9	58.0	58.1	58.1	58.3	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.8
IV 20000	58.8	62.8	62.9	63.0	63.1	63.1	63.3	63.3	63.3	63.4	63.8	63.8	63.8	63.8	63.8	64.0
IV 18000	59.3	63.3	63.4	63.5	63.6	63.6	63.9	63.9	63.9	64.0	64.3	64.3	64.3	64.3	64.3	64.5
IV 16000	59.4	63.4	63.5	63.6	63.8	63.8	64.0	64.0	64.0	64.1	64.4	64.4	64.4	64.4	64.4	64.6
IV 14000	60.0	64.2	64.3	64.4	64.5	64.5	64.7	64.7	64.7	64.8	65.2	65.2	65.2	65.2	65.2	65.4
IV 12000	60.5	64.8	65.0	65.2	65.3	65.3	65.5	65.5	65.5	65.6	65.9	65.9	66.0	66.0	66.0	66.2
IV 10000	61.5	65.8	66.0	66.1	66.2	66.2	66.5	66.5	66.5	66.6	66.9	66.9	67.0	67.0	67.0	67.2
IV 9000	61.6	65.9	66.1	66.2	66.3	66.3	66.6	66.6	66.6	66.7	67.0	67.0	67.1	67.1	67.1	67.3
IV 8000	62.2	66.9	67.1	67.2	67.3	67.3	67.5	67.5	67.5	67.6	68.0	68.0	68.1	68.1	68.1	68.3
IV 7000	62.7	67.4	67.6	67.7	67.9	67.9	68.1	68.1	68.1	68.2	68.5	68.5	68.6	68.6	68.6	68.8
IV 6000	63.1	68.1	68.3	68.4	68.5	68.5	68.7	68.7	68.7	68.8	69.1	69.1	69.3	69.3	69.3	69.5
IV 5000	64.7	69.9	70.1	70.2	70.3	70.3	70.6	70.6	70.6	70.7	71.0	71.0	71.1	71.1	71.1	71.3
IV 4500	66.2	71.7	72.0	72.1	72.2	72.2	72.4	72.4	72.4	72.5	72.8	72.8	72.9	72.9	72.9	73.1
IV 4000	67.2	73.0	73.2	73.4	73.5	73.5	73.7	73.7	73.7	73.8	74.1	74.1	74.2	74.2	74.2	74.4
IV 3500	68.2	74.1	74.3	74.4	74.5	74.5	74.8	74.8	74.8	74.9	75.2	75.2	75.3	75.3	75.3	75.5
IV 3000	69.8	76.9	77.1	77.2	77.3	77.3	77.6	77.6	77.6	77.7	78.0	78.0	78.1	78.1	78.1	78.3
IV 2500	71.3	79.9	80.4	80.5	80.6	80.6	80.8	80.8	80.8	80.9	81.2	81.2	81.3	81.3	81.3	81.6
IV 2000	72.2	81.4	82.0	82.2	82.5	82.5	82.7	82.7	82.7	82.8	83.2	83.2	83.3	83.3	83.3	83.5
IV 1800	72.8	82.1	82.6	82.8	83.2	83.2	83.4	83.4	83.4	83.5	83.8	83.8	83.9	83.9	83.9	84.1
IV 1500	73.0	82.8	83.4	83.6	84.1	84.1	84.4	84.4	84.4	84.5	84.8	84.8	84.9	84.9	84.9	85.1
IV 1200	73.7	84.7	85.4	85.7	86.3	86.3	86.5	86.5	86.5	86.6	86.9	86.9	87.1	87.1	87.1	87.3
IV 1000	74.8	87.7	88.6	88.8	89.4	89.4	89.6	89.6	89.6	89.8	90.1	90.1	90.2	90.2	90.2	90.4
IV 900	75.1	88.7	89.6	89.9	90.5	90.5	90.7	90.7	90.7	90.8	91.2	91.2	91.3	91.3	91.3	91.5
IV 800	75.4	90.0	90.9	91.2	92.0	92.0	92.2	92.2	92.2	92.3	92.7	92.7	92.8	92.8	92.8	93.0
IV 700	75.5	90.7	91.7	92.0	93.2	93.2	93.4	93.4	93.4	93.5	93.9	93.9	94.0	94.0	94.0	94.2
IV 600	75.5	90.8	91.8	92.2	93.6	93.6	94.1	94.1	94.1	94.2	94.5	94.5	94.6	94.6	94.6	94.8
IV 500	75.6	91.2	92.3	92.8	94.3	94.3	94.8	94.9	94.9	95.5	95.8	95.8	96.0	96.0	96.0	96.2
IV 400	75.6	91.2	92.4	92.9	94.6	94.6	95.1	95.3	95.3	95.8	96.3	96.3	96.5	96.5	96.5	96.8
IV 300	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.6	95.6	96.2	96.8	96.8	97.0	97.0	97.0	97.3
IV 200	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.8	95.8	96.8	97.6	97.7	98.2	98.2	98.5	98.9
IV 100	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.8	95.8	96.8	97.7	97.8	98.4	98.6	99.1	99.7
IV 0	75.6	91.2	92.4	92.9	94.8	94.8	95.5	95.8	95.8	96.8	97.7	97.8	98.4	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0	
NO CEILING	47.5	50.5	50.6	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.3	51.4
≥ 20000	52.5	55.7	55.9	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.6	56.7
IV 18000	52.7	56.0	56.1	56.3	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.8	56.8	56.9	57.0
IV 16000	53.0	56.3	56.5	56.6	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2	57.3
IV 14000	54.1	57.4	57.6	57.8	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.4	
IV 12000	54.9	58.3	58.5	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.2	59.3	59.3	
IV 10000	55.5	58.9	59.1	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.8	59.8	59.9	60.0
IV 9000	55.7	59.2	59.4	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.1	60.1	60.2	60.3
IV 8000	56.8	60.5	60.7	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.5	61.6
IV 7000	58.1	62.0	62.3	62.4	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.0	63.0	63.1
IV 6000	58.8	62.8	63.1	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.8	63.9
IV 5000	60.0	64.2	64.4	64.6	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.2	65.3
IV 4500	61.2	65.6	65.9	66.1	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.6	66.6	66.7	66.8
IV 4000	62.4	67.0	67.3	67.5	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.1	68.2
IV 3500	63.2	68.1	68.4	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.1	69.1	69.2	69.3
IV 3000	65.2	70.6	70.9	71.1	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.8
IV 2500	67.0	73.8	74.2	74.5	74.8	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.1	75.2	75.2	75.3	
IV 2000	68.2	75.8	76.3	76.6	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.4	77.4	77.5	77.6
IV 1800	68.7	76.6	77.1	77.5	77.9	77.9	78.1	78.1	78.1	78.1	78.2	78.2	78.3	78.3	78.4	78.5	
IV 1500	70.0	78.9	79.6	80.1	80.6	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.1	81.2	81.2	81.3	
IV 1200	70.7	80.9	81.8	82.4	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.5	83.6	83.7	83.7
IV 1000	71.5	82.8	83.9	84.6	85.4	85.5	85.7	85.8	85.8	85.8	85.8	85.9	85.9	86.0	86.0	86.1	86.2
IV 900	71.7	83.6	84.8	85.6	86.4	86.5	86.8	86.8	86.8	86.8	86.9	87.0	87.0	87.1	87.1	87.2	87.3
IV 800	71.9	84.6	85.9	86.8	87.7	87.9	88.1	88.3	88.3	88.4	88.5	88.5	88.6	88.6	88.7	88.8	
IV 700	72.0	85.5	87.0	88.0	89.2	89.3	89.7	89.9	89.9	89.9	90.0	90.1	90.1	90.3	90.3	90.4	90.5
IV 600	72.1	86.0	87.6	88.9	90.2	90.4	90.9	91.1	91.2	91.3	91.4	91.5	91.6	91.6	91.7	91.8	
IV 500	72.1	86.3	88.0	89.4	91.1	91.3	92.0	92.4	92.5	92.7	93.0	93.0	93.2	93.3	93.4	93.5	
IV 400	72.1	86.4	88.2	89.8	91.8	92.0	92.8	93.3	93.5	93.9	94.2	94.3	94.5	94.6	94.7	94.8	
IV 300	72.1	86.4	88.2	89.9	92.1	92.5	93.4	94.1	94.4	95.0	95.6	95.6	95.9	96.0	96.2	96.4	96.4
IV 200	72.1	86.4	88.3	90.0	92.2	92.6	93.6	94.3	94.7	95.6	96.4	96.4	96.9	97.0	97.4	98.1	
IV 100	72.1	86.4	88.3	90.0	92.2	92.6	93.6	94.4	94.7	95.6	96.6	96.6	97.2	97.4	98.0	99.4	
IV 0	72.1	86.4	88.3	90.0	92.2	92.6	93.6	94.4	94.7	95.6	96.6	96.6	97.3	97.4	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	46.4	51.8	52.1	52.4	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8
≥ 20000	51.3	57.5	57.9	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.8
≥ 18000	51.6	57.9	58.3	58.6	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.1
≥ 16000	51.9	58.2	58.6	58.9	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4
≥ 14000	52.6	59.2	59.6	59.9	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4
≥ 12000	53.5	60.3	60.7	61.0	61.2	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6
≥ 10000	54.6	61.8	62.3	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2
≥ 9000	54.8	62.1	62.6	62.9	63.1	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.5
≥ 8000	55.6	63.1	63.6	63.9	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5
≥ 7000	56.2	63.9	64.4	64.8	65.0	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4
≥ 6000	56.6	64.5	65.0	65.3	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9
≥ 5000	57.4	65.6	66.1	66.5	66.7	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1
≥ 4500	58.0	66.4	66.9	67.3	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	68.0
≥ 4000	58.7	67.4	68.0	68.4	68.6	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.1
≥ 3500	59.7	68.8	69.4	69.8	70.1	70.1	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.5
≥ 3000	61.0	70.6	71.2	71.7	72.0	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4
≥ 2500	62.4	73.4	74.1	74.6	75.0	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.5
≥ 2000	63.8	75.9	76.7	77.4	77.8	77.8	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.3
≥ 1800	64.2	76.7	77.6	78.3	78.7	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.2	79.2	79.2
≥ 1500	65.5	79.6	80.6	81.4	81.9	82.0	82.2	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.6
≥ 1200	66.5	82.3	83.5	84.5	85.1	85.2	85.4	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.8	85.8
≥ 1000	67.3	84.4	85.8	86.9	87.6	87.8	88.0	88.2	88.2	88.3	88.3	88.4	88.4	88.4	88.5	88.5
≥ 900	67.5	85.5	87.0	88.2	89.0	89.1	89.4	89.6	89.6	89.7	89.8	89.8	89.8	89.8	89.9	89.9
≥ 800	67.8	86.5	88.3	89.7	90.6	90.7	91.1	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.6	91.6
≥ 700	67.9	87.3	89.2	90.7	91.8	92.0	92.4	92.6	92.6	92.8	92.9	92.9	92.9	92.9	93.0	93.0
≥ 600	68.0	87.9	90.0	91.7	92.9	93.1	93.7	93.9	94.0	94.1	94.2	94.2	94.3	94.3	94.4	94.4
≥ 500	68.1	88.3	90.5	92.4	93.8	94.1	94.8	95.1	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.8
≥ 400	68.1	88.4	90.8	92.8	94.5	94.8	95.6	96.1	96.2	96.5	96.7	96.7	96.8	96.8	96.9	97.0
≥ 300	68.1	88.5	90.8	93.0	94.7	95.1	96.0	96.6	96.8	97.4	97.7	97.7	97.9	97.9	98.0	98.2
≥ 200	68.1	88.5	90.9	93.0	94.7	95.1	96.1	96.8	97.1	97.7	98.2	98.3	98.6	98.7	98.9	99.2
≥ 100	68.1	88.5	90.9	93.0	94.7	95.1	96.1	96.8	97.1	97.8	98.3	98.4	98.7	98.9	99.2	99.7
≥ 0	68.1	88.5	90.9	93.0	94.7	95.1	96.1	96.8	97.1	97.8	98.3	98.4	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

87632

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SKY COVER

722936 RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9	10			
JAN	00-02	30.9			11.9							8.4	48.9	6.0	927
	03-05	30.1			11.7							6.9	51.3	6.1	924
	06-08	19.5			15.4							13.9	51.2	6.8	928
	09-11	15.4			19.6							16.1	48.9	6.9	929
	12-14	15.7			24.4							16.0	43.9	6.6	930
	15-17	15.7			24.5							22.0	37.8	6.5	929
	18-20	20.3			24.5							17.4	37.7	6.1	930
	21-23	30.5			15.7							10.8	43.1	5.8	926
	TOTALS	22.3			18.5							13.9	45.4	6.4	7423

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AD WEATHER SERVICE/MAC

SKY COVER

722536 RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	36.8			10.0						9.7	43.6	5.5	838
	03-05	32.1			8.7					8.4	50.8	6.1	841	
	06-08	21.3			16.2					11.4	51.1	6.6	841	
	09-11	15.9			19.8					18.9	45.4	6.8	842	
	12-14	14.9			28.0					21.2	35.9	6.3	846	
	15-17	18.1			27.8					24.0	30.1	6.0	846	
	18-20	24.5			27.1					18.7	29.7	5.5	845	
	21-23	38.1			15.9					13.6	32.4	4.9	843	
TOTALS		25.2			19.2						15.7	39.9	6.0	6742

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	27.8			12.8						12.9	46.4	6.2	928
	03-05	24.9			9.8						10.2	55.1	6.7	919
	06-08	14.8			16.5						14.7	54.0	7.2	920
	09-11	12.5			20.6						20.1	46.8	7.1	926
	12-14	11.1			28.2						23.8	36.9	6.7	927
	15-17	12.3			29.0						25.9	32.8	6.5	927
	18-20	19.6			26.6						21.2	32.6	6.0	925
	21-23	30.9			21.3						13.7	34.2	5.3	930
TOTALS		19.2			20.6						17.8	42.4	6.5	7402

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFB WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

70,73-81

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	24.4			11.4						14.5	49.7	6.6	896
	03-05	19.2			8.9						14.8	57.1	7.3	890
	06-08	9.0			14.8						19.7	56.6	7.9	893
	09-11	11.9			16.4						26.2	45.4	7.4	900
	12-14	12.1			24.9						26.1	36.9	6.8	900
	15-17	12.0			27.6						27.6	32.9	6.6	900
	18-20	17.5			24.9						22.6	35.0	6.3	899
	21-23	26.5			18.7						13.1	41.8	5.9	895
	TOTALS	16.6			18.5						20.6	44.4	6.9	7173

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
MAY	00-02	23.3			14.4							20.8	41.5	6.5	930
	03-05	17.4			12.0							19.2	51.5	7.2	927
	06-08	9.8			14.9							24.7	50.5	7.7	924
	09-11	7.3			23.2							32.7	36.9	7.3	928
	12-14	8.9			28.9							36.7	25.5	6.7	930
	15-17	9.0			38.8							32.4	19.8	6.1	930
	18-20	11.9			33.0							31.8	23.3	6.2	927
	21-23	22.5			24.8							21.5	31.2	5.8	925
TOTALS		13.8			23.8							27.5	35.0	6.7	7421

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

722536

RANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	42.7			28.3						18.2	10.8	3.6	928
	03-05	24.1			26.2						32.7	17.0	5.4	929
	06-08	8.1			29.4						41.7	20.8	6.7	925
	09-11	6.9			46.0						37.1	10.0	5.7	930
	12-14	3.0			54.8						32.1	10.1	5.5	929
	15-17	3.1			56.9						30.9	9.1	5.4	930
	18-20	9.5			52.7						28.3	9.6	5.1	930
	21-23	39.9			38.6						13.7	7.8	3.2	930
TOTALS		17.2			41.6						29.3	11.9	5.1	7431

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

702536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
SEP	00-02	33.4			23.3							21.8	21.5	4.8	896
	03-05	23.7			18.6							27.0	30.8	6.1	894
	06-08	13.7			22.1							35.3	28.9	6.7	896
	09-11	13.5			33.0							33.3	20.3	6.0	898
	12-14	10.9			44.0							32.0	13.1	5.5	900
	15-17	10.2			45.3							31.0	13.4	5.5	900
	18-20	19.9			38.6							26.1	15.4	5.0	899
	21-23	38.0			28.2							17.3	16.4	4.1	900
	TOTALS	20.4			31.6							26.0	20.0	5.5	7183

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

722536 RANDOLPH AFB TX 69-70,73-80 OCT

STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	40.3			17.4						17.6	24.6	4.6	930
	03-05	34.3			15.4						20.0	30.3	5.3	927
	06-08	18.4			27.1						22.4	32.1	6.0	925
	09-11	18.0			30.1						26.9	25.1	5.8	930
	12-14	16.9			40.5						26.5	16.1	5.2	929
	15-17	17.8			42.5						24.7	14.9	5.0	930
	18-20	31.3			34.7						18.3	15.7	4.3	930
	21-23	46.1			20.6						13.4	19.8	3.8	930
TOTALS		27.0			28.5						21.2	22.3	5.0	7431

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

722936

RANDOLPH AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
DEC	00-02	37.6			12.8							13.7	35.9	5.2	924
	03-05	35.0			12.9							11.4	40.7	5.5	921
	06-08	22.6			19.8							15.0	42.5	6.2	924
	09-11	17.7			22.2							19.8	40.4	6.5	929
	12-14	19.8			23.3							23.9	33.0	6.2	929
	15-17	22.2			23.2							25.0	29.6	5.9	928
	18-20	30.3			23.2							17.7	28.8	5.2	927
	21-23	38.9			16.2							13.6	31.3	4.8	922
	TOTALS	29.0			19.2							17.5	35.3	5.7	7404

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

702536

RANDOLPH AFB TX

69-70,73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	22.3			18.5						13.9	45.4	6.4	7423
FEB		25.2			19.2						15.7	39.9	6.0	6742
MAR		19.2			20.6						17.8	42.4	6.5	7402
APR		16.6			18.5						20.6	44.4	6.9	7173
MAY		13.9			23.8						27.5	35.0	6.7	7421
JUN		18.7			35.1						29.2	17.0	5.4	7196
JUL		16.1			42.4						29.6	12.0	5.1	7421
AUG		17.2			41.6						29.3	11.9	5.1	7431
SEP		20.4			31.6						28.0	20.0	5.5	7183
OCT		27.9			28.5						21.2	22.3	5.0	7431
NOV		31.6			21.9						16.8	29.5	5.1	7191
DEC		28.0			19.2						17.5	35.3	5.7	7404
TOTALS		21.4			26.7						22.3	29.6	5.8	87418

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

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

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), 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
 722536 RANDOLPH AFB TX
 STATION

DAILY TEMPERATURES

38-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
105						.1	.3	.4					.1
100					.2	2.5	9.1	12.1	.4				2.0
95			.2	.4	3.5	23.4	53.1	53.4	16.2	.6			12.6
90	.1	.3	2.2	6.1	21.9	68.4	86.2	84.9	51.0	10.4		.1	27.6
85	.5	1.5	8.6	24.3	56.9	90.8	96.1	95.8	79.1	37.0	4.0	.2	41.2
80	3.6	7.9	25.3	54.9	83.0	97.2	99.0	99.2	91.3	64.5	19.5	4.1	54.1
75	12.5	21.5	45.9	76.9	94.4	99.5	99.8	99.7	97.6	82.0	38.3	15.6	65.3
70	26.1	39.7	64.4	90.2	98.9	100.0	100.0	100.0	99.3	92.2	58.4	33.1	75.2
65	42.6	55.6	80.7	96.0	99.8				99.8	97.1	71.6	52.1	82.9
60	56.4	71.0	89.6	98.7	99.9				100.0	99.0	84.0	68.3	88.9
55	69.4	80.6	94.5	99.8	100.0					99.8	91.8	81.3	93.1
50	80.6	90.1	97.2	100.0						100.0	96.4	89.4	96.1
45	89.5	96.3	99.2								99.1	96.1	98.3
40	94.9	98.7	99.8								99.8	98.9	99.3
35	98.0	99.7	99.9								100.0	99.7	99.8
30	99.5	100.0	100.0									100.0	100.0
25	99.8												100.0
20	100.0												100.0
15													
10													
5													
0													
MEAN	60.6	65.1	72.4	79.3	84.9	91.0	94.1	94.2	88.6	81.1	70.1	63.9	78.8
S.D.	12.073	11.084	9.947	7.370	5.947	4.965	4.578	4.906	6.083	7.392	10.040	10.201	14.263
TOTAL OBS.	1333	1194	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	15500

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 722536 RANDOLPH AFB TX
 STATION STATION NAME

DAILY TEMPERATURES

38-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
85						.1							.0
80					.2	.2	.4	.3	.1				.1
75				.1	3.7	28.3	38.0	38.1	14.0	1.8			10.3
70			.5	8.5	28.8	71.7	92.6	88.0	56.7	14.4	1.8	.2	30.2
65	1.9	2.1	8.1	30.6	60.8	92.4	99.6	98.3	79.6	31.3	7.5	1.9	42.8
60	5.2	8.9	19.6	51.9	85.0	97.9	100.0	99.8	91.7	52.9	18.3	6.2	53.1
55	11.3	15.0	36.4	71.0	93.8	99.8		100.0	97.7	71.5	30.7	13.2	61.7
50	20.0	30.3	54.8	84.8	98.3	100.0			99.4	86.0	48.6	24.8	70.6
45	33.3	45.6	70.7	93.8	99.9				99.9	95.6	67.4	42.8	79.1
40	52.8	66.9	84.9	97.8	100.0				100.0	98.9	83.0	63.8	87.3
35	72.2	82.1	94.2	99.8						99.9	92.6	83.0	93.6
33	78.8	88.4	95.9	100.0						100.0	95.8	88.9	95.6
30	86.6	93.7	98.6								98.1	94.3	97.6
25	94.2	98.7	99.5								99.5	98.6	99.2
20	97.7	99.7	100.0								99.9	99.9	99.8
15	99.2	99.9									100.0	100.0	99.9
10	99.8	100.0											100.0
5	100.0												100.0
MEAN	40.7	44.1	50.3	58.9	65.5	71.5	73.4	73.1	68.8	59.6	49.3	43.4	58.2
S. D.	10.634	9.865	9.845	8.424	6.161	4.481	2.602	3.197	5.905	8.577	10.075	9.438	14.184
TOTAL OBS.	1333	1302	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	15500

2

FEDERAL CLIMATOLOGY BRANCH
 WAFB/TAC
 AIR WEATHER SERVICE/MAC
 72236 RANDOLPH AFB TX
 STATION STATION NAME

38-81

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
70						.4	1.5	1.9	.1				.3
75				.1	1.4	23.4	47.2	47.8	12.4	.7			11.1
80			.5	4.4	22.7	72.2	90.9	87.9	52.3	9.4			28.3
85	.1	.2	6.6	26.1	59.7	92.3	98.7	98.8	80.4	31.8	4.7	.5	41.6
90	3.5	6.5	20.7	53.5	86.9	99.2	100.0	99.9	94.0	58.8	16.9	4.0	53.7
95	9.9	18.3	40.5	76.3	96.2	100.0		100.0	98.7	78.9	33.1	11.9	63.6
100	20.4	31.8	61.2	91.2	99.7				99.8	92.1	52.6	27.0	73.0
105	37.7	51.1	77.6	97.1	100.0				100.0	98.0	71.9	46.6	81.6
110	55.1	70.5	89.7	99.3						99.6	85.7	67.9	89.0
115	72.2	84.3	95.9	100.0						100.0	94.1	85.2	94.3
120	86.3	94.4	99.0								98.8	94.8	97.8
125	93.2	98.6	99.7								99.8	98.9	99.2
130	97.5	99.7	99.9								100.0	99.9	99.7
135	99.2	99.9	100.0									100.0	99.9
140	99.8	100.0											100.0
145	100.0												100.0
150													100.0
155													100.0
160													100.0
165													100.0
170													100.0
175													100.0
180													100.0
185													100.0
190													100.0
195													100.0
200													100.0
205													100.0
210													100.0
215													100.0
220													100.0
225													100.0
230													100.0
235													100.0
240													100.0
245													100.0
250													100.0
255													100.0
260													100.0
265													100.0
270													100.0
275													100.0
280													100.0
285													100.0
290													100.0
295													100.0
300													100.0
MEAN	50.8	54.8	61.5	69.3	75.3	81.4	83.9	83.8	78.9	70.5	59.9	53.8	68.7
S.D.	10.434	9.458	9.037	6.909	5.254	4.192	3.154	3.539	5.275	7.183	9.172	8.844	13.770
TOTAL OBS.	1333	1194	1302	1260	1333	1260	1302	1302	1260	1330	1290	1333	15499

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
 STATION STATION NAME

38-81 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
38					90	95	97	98	95	96	85	82	
39	75	83	93	98	99	98	106	98		93	83	83	
40	76	94	89	93	92	94	95	100	98	92	80	76	100
41	77	74	87	91	91	95	98	102	99	92	83	80	102
42	82	79	91	89	94	104	97	99	95	91	85	86	104
43	87	84	88	92	96	101	102	103	98	90	86	82	103
44	76	84	86	93	95	98	106	103	99	94	83	73	106
45	76	83	88	92	100	100	102	105	99	90	88	80	105
46	75*	74							96*	86	84	79	
47	82	81	87	88	96	98	101	102	98	93	88	79	102
48	79	82	88	95	96	100	100	104	97	92	88	81	104
49	83	82	91	88	96	98	96	100	96	91	89	82	100
50	84	81	97	89	93	96	98	100	100	92	88	81	100
51	81	81	87	98	95	98	103	104	102	93	89	84	104
52	80	87	91	90	94	95	97	101	100	90	85	78	101
53	83	82	88	94	93	102	101	104	101	93	80	79	104
54	81	90	94	89	93	98	107	101	99	95	80	84	107
55	80	82	93	94	101	98	100	101	95	92	87	90	101
56	81	88	89	89	94	100	101	100	99	94	83	81	101
57	80	88	87	84	89	95	102	100	98	89	82	79	102
58	75	76	81	92	94	97	100	100	95	89	81	78	100
59	79	89	87	87	94	97	96	98	98	94	84	75	98
60	74	88	87	88	94	101	101	97	94	91	83	76	101
61	74	78	85	93	95	94	92	96	97	90	85	78	97
62	76	88	83	90	92	94	103	106	96	96	89	75	106
63	84	83	87	95	96	99	98	100	99	91	85	72	100
64	77	72	79	87	95	96	101	101	96	89	83	83	101
65	78	75	85	91	87	94	99	98	98	88	82	77	99
66	75	73	85	90	92	93	100	98	96	94	85	84	100
67	82	78	93	94	99	101	102	105	92	86	89	79	105
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536

RANDOLPH AFB TX

38-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
68	77	77	84	87	91	92	97	100	95	90	83	76	100
69	82	83	84	84	90	98	101	103	96	92	88	75	103
70	79	79	82	89	91	92	97	98	97	88	85	82	98
71	88	82	99	93	94	98	100	94	96	87	81	82	100
72	90	83	89	92	86	95	99	94	95	90	84	77	99
73	75	73	81	84	94	92	92	93	91	86	84	83	94
74	78	84	94	91	92	96	101	97	91	85	80	75	101
75	88	79	89	89	91	97	99	97	95	90	87	80	99
76	75	82	91	85	87	93	93	98	92	85	78	70	98
77	80	86	84	90	91	96	100	101	99	96	82	84	101
78	77	84	81	85	94	95	100	97	91	86	84	83	100
79	71	82	83	84	90	93	96	95	93	96	81	77	96
80	79	88	87	91	90	105	103	100	97*	89	85	82	105
81	76	78	86	91	96								
MEAN	79.2	82.0	87.6	90.2	93.3	96.9	99.5	99.8	96.5	91.0	84.3	79.5	101.1
S. D.	4.235	4.971	4.384	3.563	3.299	3.173	3.388	3.120	2.707	3.058	2.898	3.948	2.823
TOTAL OBS	1333	1194	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	15500

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536 PANDOLPH AFB TX 38-81
 STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

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

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AF WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536 — RANDOLPH AFB TX — 38-81 — YEARS
STATION STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
68	26	29	29	43	54	59	64	63	53	43	30	24	24
69	19	32	31	47	45	58	70	65	58	44	25	27	19
70	13	26	31	37	44	53	65	64	55	34	23	30	13
71	25	23	23	35	46	68	68	67	52	50	38	33	23
72	18	22	32	38	56	59	60	67	54	45	30	19	18
73	20	23	38	34	45	57	68	61	55	48	35	26	20
74	25	23	38	43	59	58	69	69	48	42	32	32	23
75	22	27	31	38	59	58	67	67	47	43	27	29	22
76	15	31	31	40	46	56	66	65	53	36	19	24	15
77	19	29	33	45	60	63	70	71	64	41	32	24	19
78	24	23	25	41	46	63	68	69	58	42	39	21	21
79	19	30	36	43	46	55	67	66	52	42	23	26	19
80	28	28	21	36	56	62	69	67	63*	35	33	31	21
81	32	22	40	45	50								
MEAN	22.5	27.8	31.9	42.0	52.9	62.2	68.3	66.8	56.4	44.1	31.9	27.4	20.3
S. D.	6.794	4.964	4.986	5.056	5.618	4.182	2.627	3.245	5.260	5.200	5.032	3.941	5.345
TOTAL OBS	1333	1194	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	15500

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70,73-81 YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb Dew Point																			
69 / 69		.6																														6	6	3				
68 / 67		1.0																														9	9	6	6			
66 / 65	.1	.9																														9	9	7	7			
64 / 63	.1	1.3	.2	.1						.1																						17	17	14	12			
62 / 61	.1	1.2	.5	.1						.3																							21	21	11	7		
60 / 59	.2	2.4	.3		.1					.1																							29	29	24	18		
58 / 57	.1	2.8	.5	.1	.1	.1	.1	.1	.2																								38	38	25	25		
57 / 55		2.2	.9	.4	.3	.1	.1	.1	.1	.2																							39	39	25	21		
47 / 53		1.5	.8	.6	.3					.2	.1																						33	33	29	26		
27 / 51		1.5	2.3	.9	.8																													50	50	28	28	
50 / 47	.1	1.2	1.3	.2	.3	.2	.4																										35	35	28	17		
47 / 47	.8	2.4	1.1	1.1	1.0	.1																											59	59	58	31		
47 / 45	.5	3.0	1.8	1.4	1.1																													73	73	52	39	
44 / 43	.4	2.7	1.6	.6	.5	.2																												57	57	49	43	
42 / 41	.3	3.5	1.5	1.5	.6	.3																												73	73	67	49	
47 / 37	.9	2.5	4.2	.5	.6																													81	81	79	50	
37 / 37	.4	3.3	1.9	1.0	.4																													66	66	71	48	
37 / 35	.3	2.7	2.6	1.0	.2																													63	63	84	53	
34 / 33	.3	2.5	1.3	.2	.3																													43	43	65	64	
32 / 31	.6	1.6	2.2	1.1																														51	51	60	78	
30 / 29		1.0	1.6	.5																														29	29	37	56	
29 / 27		1.2	1.2	.1																														23	23	42	43	
27 / 25		.3	.9	.3																														14	14	34	40	
24 / 23		.2	.6																															8	8	8	30	
22 / 21		.1	.3																															4	4	13	36	
20 / 19																																						
18 / 17																																					9	31
16 / 15																																				2	18	
14 / 13																																						
12 / 11																																						13
10 / 9																																						11
8 / 7																																						5
7 / -1																																						3

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

JAN 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																		3	3	1				
68/ 67		1.2	.1																	12	12	3	3			
66/ 65		1.3	.3																	15	15	11	10			
64/ 63	.3	1.0	.5																	17	17	16	15			
62/ 61	.3	.5	.1																	9	9	15	11			
60/ 59	.4	1.5	.2	.2				.1												23	23	17	14			
58/ 57	.3	2.2	.3	.2			.3	.2												33	33	18	20			
56/ 55	.3	1.6	.4				.2	.3												27	27	27	23			
54/ 53		.6	1.2	.4			.3													24	24	17	14			
52/ 51	.3	2.0	1.3	.5	.3		.1	.1												44	44	17	16			
50/ 49	.1	2.7	2.4	.3	.1	.3	.3													58	58	36	29			
48/ 47	.4	2.0	1.6	.9	.1	.2	.2													51	51	54	34			
46/ 45	.5	2.7	1.3	.8	.6															55	55	53	41			
44/ 43	.6	2.7	1.7	1.3	.4															63	63	55	34			
42/ 41	.6	3.3	2.0	1.4	.5	.3														77	77	55	53			
40/ 39	1.1	2.7	3.3	.2	.1															69	69	75	43			
38/ 37	.4	4.9	1.5	1.0	.4															77	77	82	54			
36/ 35	.3	3.3	1.8	1.1																61	61	77	59			
34/ 33	.1	2.4	1.9	1.0	.1															51	51	62	48			
32/ 31	1.0	2.6	1.6	1.1	.2															60	60	57	78			
30/ 29	.3	1.3	1.6	.3																33	33	64	66			
28/ 27		1.5	1.4																	27	27	32	51			
26/ 25	.1	.4	.4																	9	9	34	35			
24/ 23		.4	.9	.1																13	13	19	29			
22/ 21		.8	.3	.2																12	12	10	37			
20/ 19		.4																		4	4	13	28			
18/ 17		.3																		3	3	6	23			
16/ 15																						4	18			
14/ 13																							9			
12/ 11																							14			
10/ 9																							7			
8/ 7																							7			
6/ 5																							2			
4/ 3																							2			
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.													Mean No. of Hours with Temperature								
Rel. Num.																				$\leq 0 F$	$= 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70,73-81 YEARS JAN MONTH
 PAGE 2 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-2 / -3																					3
TOTAL	7.7	46.8	28.4	11.0	3.0	1.8	1.3										930	930	930	930	

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	5814259	72037	77.5	15.882	930							
Dry Bulb	1795312	39674	42.7	10.520	930		16.1	1.5				93
Wet Bulb	1582587	37045	39.8	10.730	930		23.9	.4				93
Dew Point	1342483	33145	35.6	13.173	930	.3	40.9	.3				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFB WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70.73-81 YEARS JAN 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
7 / 69		.3																3	3		
6 / 67	.3	.8																10	10	6	6
66 / 65		1.4	.1															14	14	10	5
64 / 63	.3	.8	.3															13	13	16	17
62 / 61	.2	1.0	.3															14	14	11	11
58 / 59	.1	1.6	.4	.2														22	22	13	9
5 / 57	1.1	1.4		.1		.1												25	25	31	29
56 / 55		1.2	.6			.1	.1	.1										20	20	13	12
4 / 53	.2	.8	1.3	.5	.3	.1	.1	.2										35	35	14	15
42 / 51	.2	2.3	.6	.2	.6	.1												38	38	22	15
50 / 49	.3	1.8	1.4	.6		.2	.2											43	43	39	27
48 / 47	.3	1.8	1.9	1.0	.4	.1												52	52	36	32
46 / 45	.5	3.5	1.6	1.1	.1	.1												65	65	40	34
44 / 43	.5	1.8	1.9	1.9	.1													59	59	71	36
42 / 41	.4	2.2	1.4	2.2	.8	.3												67	67	50	34
40 / 39	1.0	4.5	2.5	.5	.2													81	81	70	39
38 / 37	.6	4.7	1.1	1.0	.8													76	76	89	70
38 / 35	.3	3.7	2.3	.4	.1													63	63	78	58
34 / 33	.1	2.7	1.6	.6														47	47	57	62
32 / 31	.5	2.6	3.0	.8														64	64	68	77
30 / 29	.6	1.8	1.6	.4														42	42	53	56
28 / 27		1.7	1.4	.3														32	32	48	57
26 / 25		1.1	.3															13	13	34	39
24 / 23		.3	.4															7	7	24	19
22 / 21		.9																8	8	14	49
20 / 19		.6	.4															10	10	7	27
18 / 17		.2	.2															4	4	8	24
16 / 15		.2																2	2	4	23
14 / 13		.1																1	1	3	18
12 / 11																				1	11
10 / 9																					3
8 / 7																					7
6 / 5																					6
4 / -1																					1
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-2 / -3																					1
-4 / -5																					1
TOTAL	7.84	7.72	6.91	1.9	3.4	1.4	.4	.3										930	930	930	
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	5784132	71912	77.315	5.13	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	1743563	39039	42.010	6.22	930		18.3	1.3				93									
Wet Bulb	1538236	36462	39.210	6.17	930		26.4	.6				93									
Dew Point	1298386	32516	35.013	6.186	930	.3	41.9	.6				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

722536 RANDOLPH AFB TX
 STATION STATION NAME

70, 73-81 YEARS

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/ 77											.1						1	1				
76/ 75											.1						1	1				
74/ 73			.1														1	1				
72/ 71		.1	.3	.1				.1	.1		.1						8	8				
71/ 69		.2	.5	.1			.1	.1		.1							11	11	4	1		
68/ 67	.2	1.0	.8	.1	.2		.1		.3								25	25	10	7		
66/ 65	.1	1.0	.2	.4	.4		.2		.1								23	23	16	14		
64/ 63		.5	.9	.3	.2	.1	.2	.3	.2	.1							27	27	13	10		
62/ 61	.1	1.5	.2	.2	.4	.3	.1	.1		.1							29	29	14	16		
60/ 59	.3	1.7	.1	.3	.2	.3	.6	.3	.1								38	38	34	16		
58/ 57		1.5	.5	.5	.5	.6	.5	.2	.1								43	43	20	26		
56/ 55	.2	1.1	1.1	.6	.6	.6	.4	.6									50	50	32	26		
54/ 53		1.4	.5	1.4	1.0	1.4	.1	.3									57	57	28	14		
52/ 51	.3	1.6	1.4	.9	.9	.6	.3										56	56	37	21		
50/ 49	.3	1.3	1.6	1.4	.3	.8	.3										56	56	51	31		
48/ 47	.2	2.9	.6	1.3	.6	.4											57	57	63	34		
46/ 45	.2	1.6	1.5	1.5	1.1	.2	.1										58	58	76	44		
44/ 43	.2	1.4	1.6	1.0	1.2	.9	.1										59	59	61	39		
42/ 41	.1	1.4	1.9	1.4	.9	.1											54	54	63	39		
40/ 39	.6	3.2	1.2	.6	1.1	.4											67	67	69	40		
38/ 37	.9	3.4	.8	1.2	.5	.1											64	64	84	72		
36/ 35	.1	1.3	1.2	1.1	1.1	.1											45	45	57	84		
34/ 33		.6	1.2	1.1	.4	.1											32	32	46	55		
32/ 31	.3	.4	1.2	1.7	.2												36	36	37	54		
30/ 29		.1	.8	.1	.2												11	11	34	42		
28/ 27		1.0	.6	.1													16	16	39	35		
26/ 25		.1	.1	.1													3	3	28	24		
24/ 23		.1	.1														2	2	9	26		
22/ 21																			3	52		
20/ 19																			2	22		
18/ 17																				17		
16/ 15																				32		
14/ 13																				11		
12/ 11																				13		
Element (X)	Σ X'		Σ X		Σ		σ _x		No. Obs.	Mean No. of Hours with Temperature												
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total		
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70,73-81 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	
11 / 9																					3	
6 / 7																					2	
4 / 3																					5	
2 / 1																					1	
0 / -1																					1	
-2 / -3																					1	
TOTAL	4.3	30.5	21.1	17.6	12.2	7.2	3.3	2.2	1.0	.4	.2							930	930	930		

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	9755760	63830	68.6	20.087	930							
Dry Bulb	2222292	44358	47.7	10.710	930		6.8	4.7	.3			93
Wet Bulb	1819615	39979	43.0	10.426	930		15.2	1.4				93
Dew Point	1427971	34203	36.8	13.530	930	.2	34.1	.8				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70,73-81 JAN
 STATION STATION NAME YEARS MONTH
 PAGE 1 1200-1400
 HOURS ... S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 87															.1			1	1		
96/ 85															.1			1	1		
92/ 81													.1					1	1		
86/ 79								.1				.3						4	4		
77/ 77				.1	.1		.5			.1								8	8		
76/ 75			.1	.4	.3	.2	.2	.1		.1	.2	.1						17	17		
74/ 73				.4	.4	.9	.2		.4	.2	.1	.1						26	26		
72/ 71		.1		.2	.8	.3	.2	.3	.3	.3	.4	.1						29	29	3	
71/ 69			.9	.5	1.1	.6	.1	.6	.3	.4	.2							45	45	5	2
68/ 67		.1	.3	.3	1.0	.6	.6	.2	.4	.2	.3	.1						40	40	11	3
66/ 65		.3	.3	.8	.2	.4	.3	.8	.4	.4								37	37	23	12
64/ 63		.2	.9	.5	.6	.2	.5	.4	.3	.3								38	38	29	7
62/ 61		.4	.9	.5	.3	.9	1.4	.4	1.1	.5								60	60	28	19
60/ 59	.2	.6	1.1	.6	.4	1.2	.6	1.4	.8	.1								66	66	46	30
58/ 57		.9	.4	.6	1.1	.8	.8	1.0	.4									55	55	38	31
56/ 55		.2	.2	.3	.6	1.3	1.0	.5										39	39	47	39
54/ 53		.4	.2	.6	.8	1.1	.8	.6										42	42	40	21
52/ 51	.1	1.2	.5	.6	.5	.5	.2	.2										37	37	47	22
50/ 49		1.5	1.6	.5	.5	.9	.3	.3										53	53	61	28
48/ 47	.1	1.1	.6	1.1	.9	.6	.8	.1										49	49	73	32
46/ 45		.5	.5	.8	1.4	1.1	.4											44	44	76	35
44/ 43		1.3	.9	1.0	.5	.9	.1											43	43	59	42
42/ 41		1.6	1.2	.5	.9	1.2	.2											52	52	57	39
40/ 39	.4	2.5	.8	.6	.9	.9	.1											57	57	54	62
38/ 37	.2	.8	.5	1.1	.8	.5												36	36	66	59
36/ 35		.3	.5	1.2	.3	.2												24	24	43	66
34/ 33	.3		.3	.4														10	10	33	39
32/ 31		.1	.3		.1													5	5	36	45
30/ 29		.4	.4															8	8	31	33
28/ 27		.3																3	3	16	49
26/ 25																				7	44
24/ 23																				1	25
22/ 21																					36
20/ 19																					29
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total									
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70,73-81
YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																			
1 / 17																																								24
1 / 15																																								16
1 / 13																																								17
1 / 11																																								11
1 / 9																																								4
1 / 7																																								2
1 / 5																																								5
1 / 3																																								2
TOTAL	1.4	14.9	13.5	14.0	14.5	15.3	9.5	7.2	4.5	2.8	1.3	.8	.1	.1	.1	.1																	930	930	930	930			930	

Element (X)	ΣX^2	ΣX	\bar{X}	s_x^2	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3472948	53154	57.2	21.637	930							
Dry Bulb	2870868	50472	54.3	11.907	930		1.6	17.2	5.8	.5		93
Wet Bulb	2114440	43290	46.5	10.342	930		9.1	1.9				93
Dew Point	1484166	34874	37.5	13.781	930		34.2	.5				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70,73-81 YEARS MONTH JAN

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															
88/ 87														.1	.1			2	2																	
86/ 85														.1				1	1																	
82/ 81								.1										1	1																	
80/ 79							.1	.2			.1	.5	.1					10	10																	
78/ 77					.4	.1	1.2	.1	.2	.2		.2						23	23																	
76/ 75				.4	.3	.4	1.2	.8	.1	.1	.3	.1	.1					36	36																	
74/ 73				.1	.5	.3	.4	.1	.3	.8	.1	.1						25	25																	
72/ 71			.3	.2	1.0	.6	.9	.1	.5	.4	.1	.2						41	41	1																
70/ 69			.2	.2	.6	.4	.9	.4	1.1	.2	.2	.5						45	45	10																
68/ 67		.5		.2	.5	.4	.4	.2	.2	.4	.5							33	33	12	6															
66/ 65		.1	.2	1.2	.4	.8	.5	1.4	.9	.5	.2							58	58	26	10															
64/ 63	.1	.4	.8	.4	.8	.2	.8	1.1	.8	.6								55	55	34	10															
62/ 61	.1	.5		.8	.8	.4	.9	1.4	.6	.6								57	57	32	10															
60/ 59		.3	.6	.2	.4	.3	1.1	.5	.8									40	40	63	29															
58/ 57		.1	.1	.2	.9	1.0	1.2	1.4	.9									53	53	21	37															
56/ 55		.2	.1	.1	.6	.9	1.2	.4	.4									37	37	51	27															
54/ 53		.8	.1	1.2	.3	.6	.3	.6	.3									40	40	44	25															
52/ 51		.9	.2	1.0	.4	.6	.2	.5										36	36	51	36															
50/ 49	.2	1.5	1.6	.6	.1	.8	.9	.2										55	55	65	29															
48/ 47		.3	.5	.6	.5	.6	.4	.5										34	34	79	28															
46/ 45		.9	1.2	1.2	1.2	1.1	.2											53	53	67	32															
44/ 43		1.7	.5	.8	.8	1.2	.3											49	49	63	40															
42/ 41		.9	1.2	.5	.8	1.3	.1											44	44	54	41															
40/ 39	.1	1.6	.8	.6	1.2	.3												43	43	46	59															
38/ 37		1.1	.2	.3		.4												19	19	67	60															
36/ 35	.3	.2	.6	.1	.1													13	13	42	56															
34/ 33			1.1	.2														12	12	39	55															
32/ 31		.1	.6															7	7	32	49															
30/ 29		.3	.4															7	7	11	36															
28/ 27		.1																1	1	16	35															
26/ 25																				4	48															
24/ 23																					36															
22/ 21																					32															
20/ 19																					31															
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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70, 73-81 JAN

STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	x 31		Dry Bulb	Wet Bulb	Dew Point
17 / 17																					23
16 / 15																					19
14 / 13																					8
13 / 11																					10
12 / 9																					7
11 / 7																					4
10 / 5																					2
TOTAL	.9	12.0	11.5	11.2	12.3	13.1	13.0	10.5	6.9	3.5	2.3	1.7	.2	.2	.1			930	930	930	
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	3094984	49716	53.5	21.695	930	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb	3100673	52457	56.4	12.355	930		1.5	21.7	9.8	1.0		93									
Wet Bulb	2195789	44187	47.5	10.183	930		6.3	2.3				93									
Dew Point	1476843	34867	37.5	13.513	930		34.0	.6				93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION STATION NAME

70.73-81 YEARS

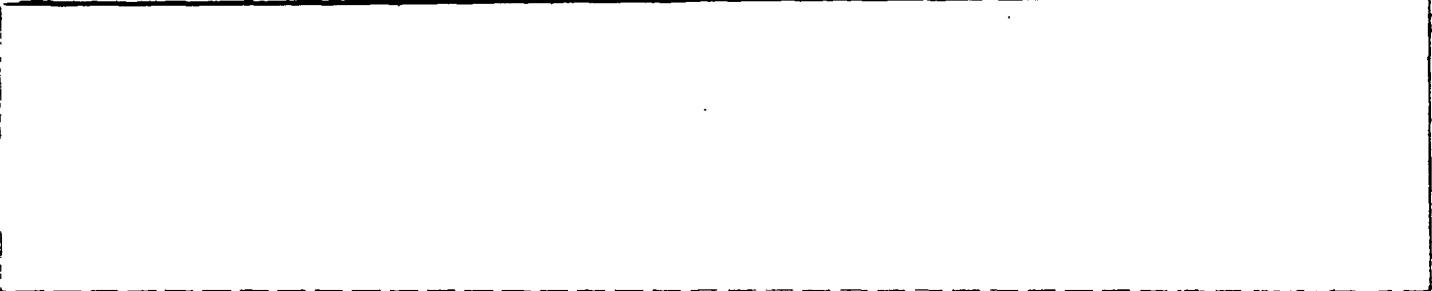
YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 75						.1	.1				.2							4	4																
74/ 73			.1	.1	.1	.1	.1			.1								6	6																
72/ 71			.4	.1	.2	.2			.1	.1								11	11																
70/ 69		.2	.1	.3	.6	.1	.2	.1	.2	.1								19	19	3															
68/ 67		.6	.5	.5	.3	.2	.3	.4	.3									31	31	7	5														
66/ 65		.4	.8	.3	.9	.2		.1	.1	.3								29	29	13	8														
64/ 63		.4	1.4	1.2	.2	.4	.4	.5	.1									44	44	15	11														
62/ 61		.9	.9	.9	.6	.6	.6	.1	.3	.1								47	47	24	8														
60/ 59	.2	1.1	.9	1.4	.4	.8	.5	.4	.3									56	56	37	17														
58/ 57		1.2	.5	.8	.6	1.1	.9	.5	.2									54	54	38	28														
56/ 55		.4	.8	2.2	.4	.5	.9	.3	.2									53	53	37	38														
54/ 53		.4	1.1	1.1	.8	1.2	.5	.4										51	51	42	28														
52/ 51	.4	.3	.8	.4	.6	1.7	.9	.2										50	50	50	25														
50/ 49	.2	1.6	1.7	1.3	1.2	.6	.4	.1										67	67	59	26														
48/ 47		1.3	1.1	1.0	1.3	1.2	.4											58	58	52	51														
46/ 45		1.5	.9	1.2	.9	.9	.4	.1										54	54	64	33														
44/ 43		1.4	1.7	1.2	.6	.4	.2											52	52	75	50														
42/ 41		2.2	.6	1.2	1.2	.6												54	54	75	38														
40/ 39	.6	2.3	1.3	1.2	.8	.3												60	60	68	57														
38/ 37		1.6	.9	1.0	.6	.2												40	40	69	56														
36/ 35	.3	.8	1.0	1.1	.4													33	33	55	58														
34/ 33		.3	1.0	.5	.5													22	22	39	50														
32/ 31	.1	.5	.5	.6	.1													18	18	36	62														
30/ 29	.1	.3	.3	.3														10	10	32	39														
28/ 27		.5	.2															7	7	20	35														
26/ 25																				17	44														
24/ 23																				3	24														
22/ 21																					34														
20/ 19																					44														
18/ 17																					18														
16/ 15																					16														
14/ 13																					6														
12/ 11																					6														
10/ 9																					8														
Element (X)	$\Sigma x'$	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																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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



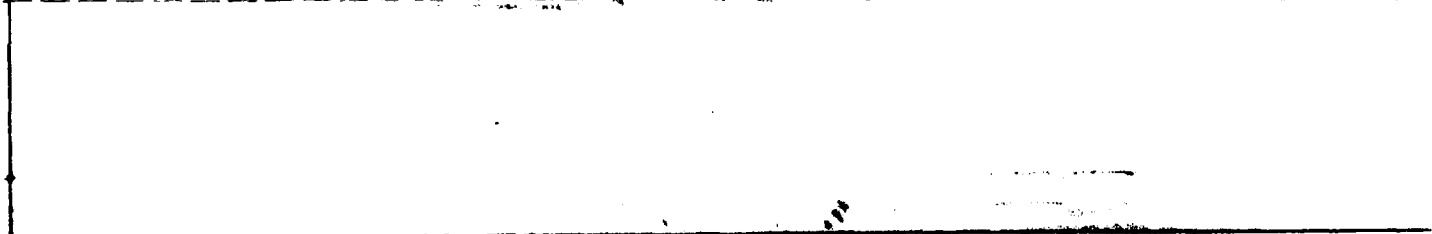
GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70,73-81 JAN
STATION STATION NAME YEARS MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
/ 7																					5	
/ 5																					2	
TOTAL	2.0	2.0	3.1	9.4	19.8	13.5	11.6	7.0	3.4	1.8	.9	.2					930	930	930	930		
Element (X)	Zx'		Zx		X		σ_x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	4129108		59138		63.619.918		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	2487220		47058		50.610.686		930			3.5	7.1	1.0			93							
Wet Bulb	1949056		41558		44.79.951		930			10.8	1.0				93							
Dew Point	1458235		34773		37.413.044		930			34.3	.5				93							

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



GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ATE WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
 STATION STATION NAME

70.73-81 YEARS

JAN
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
71/69		.4	.1															5	5	1	
68/67		1.1		.1														11	11	7	4
66/65		1.0	.5	.1			.2											17	17	12	12
64/63		.5	.6	.8		.2	.1		.1									22	22	8	8
62/61		1.8	1.1	.5		.1	.1	.1	.1									36	36	9	8
60/59		1.2	.9	.1	.3	.3	.2	.2										30	30	29	11
57/57		3.2	1.2	.4	.6	.2	.1	.1										55	55	32	29
56/55	.1	1.3	1.6	.6	.5	.8	.3	.1										50	50	42	27
54/53		.3	1.3	1.1	.4	.5	.4											38	38	22	42
52/51	.3	1.2	1.8	.6	.2	.4	.3	.1										47	47	37	19
50/49	.2	1.1	2.0	.8	1.2	.5	.2											56	56	50	14
48/47	.4	2.5	1.8	1.1	.9	.3	.1											66	66	53	43
46/45		2.3	1.1	1.8	.6	.5												59	59	61	53
44/43	.4	1.8	1.5	1.4	.8	.3												58	58	54	34
42/41	.1	3.0	2.2	2.3	1.4	.3												86	86	65	53
40/39	.6	2.4	2.8	1.7	1.0													79	79	79	46
38/37	.2	2.7	1.9	.4	.5													54	54	80	48
36/35	.1	1.9	2.0	1.2	.4													53	53	78	60
34/33	.3	.3	1.5	1.0	.1													30	30	64	61
32/31	.3	.5	2.0	.9	.2													37	37	38	68
30/29		.5	1.2	.1	.2													19	19	35	43
28/27		.4	.5	.2	.1													12	12	35	36
26/25		.1	.5															6	6	18	51
24/23		.1	.2															3	3	11	27
22/21			.1															1	1	8	37
20/19																				2	35
18/17																					14
16/15																					16
14/13																					11
12/11																					7
10/9																					7
8/7																					3
6/5																					1
4/4																					2
Element (X)	$\Sigma X'$	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										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	3.2	31.7	30.6	17.2	9.6	4.6	1.9	.9	.1	.1							930		930	930	
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	5075858	66752	71.8	17.504	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	2083999	43037	46.3	9.973	930		7.8	1.6				93									
Wet Bulb	1756450	39316	42.3	10.078	930		14.7	.8				93									
Dew Point	1421975	34353	36.9	12.834	930		35.8	.4				93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70.73-81

YEARS

JAN
 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														
87														.0	.0			3	3																
85														.0				2	2																
81								.0					.0					2	2																
79							.0	.0				.0						14	14																
77				.0	.1	.0	.2	.0	.0	.0	.0	.0	.0					32	32																
75			.0	.1	.1	.1	.2	.1	.0	.0	.1	.0	.0					58	58																
73			.0	.1	.1	.2	.1	.1	.1	.1	.1	.0						58	58																
71		.0	.1	.1	.2	.1	.1	.1	.1	.1	.1	.0						89	89	4															
69		.3	.2	.1	.3	.1	.2	.2	.2	.1	.1	.1						137	137	27	3														
67	.1	.8	.2	.2	.3	.2	.2	.1	.2	.1	.1	.1	.0					171	171	62	40														
65	.0	.8	.3	.3	.2	.2	.1	.3	.2	.2	.0							202	202	118	78														
63	.1	.6	.7	.4	.2	.1	.3	.3	.2	.2								233	233	145	90														
61	.1	1.0	.5	.4	.3	.3	.4	.3	.3	.2								273	273	144	90														
59	.2	1.3	.6	.4	.2	.4	.4	.4	.2	.0								304	304	263	144														
57	.2	1.7	.5	.4	.5	.5	.5	.4	.2									356	356	223	225														
55	.1	1.0	.7	.5	.4	.6	.6	.3	.1									315	315	274	213														
53	.0	.8	.8	.9	.5	.7	.3	.3	.0									320	320	236	185														
51	.2	1.4	1.1	.6	.6	.5	.3	.1										358	358	289	182														
49	.2	1.6	1.7	.7	.5	.5	.4	.1										423	423	389	201														
47	.3	1.8	1.2	1.0	.7	.5	.2	.1										426	426	468	285														
45	.2	2.0	1.2	1.2	.9	.5	.1	.0										461	461	489	311														
43	.3	1.9	1.4	1.1	.6	.5	.1											440	440	487	318														
41	.2	2.3	1.5	1.4	.9	.6	.0											507	507	486	346														
39	.7	2.7	2.1	.8	.7	.2	.0											537	537	540	396														
37	.3	2.8	1.1	.9	.5	.2												432	432	608	467														
35	.2	1.8	1.5	.9	.3	.0												355	355	514	494														
33	.1	1.1	1.2	.6	.2	.0												247	247	405	434														
31	.4	1.1	1.4	.8	.1													278	278	364	511														
29	.1	.7	1.0	.2	.1													159	159	297	371														
27		.8	.7	.1	.0													121	121	248	341														
25	.0	.3	.3	.1														45	45	176	325														
23		.1	.3	.0														33	33	75	216														
21		.2	.1	.0														25	25	48	313														
19		.1	.1															14	14	33	247														
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																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 YEARS JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
17 / 17		.1	.0															7	7	16	161
16 / 15		.0																2	2	8	153
14 / 13		.0																1	1	3	89
11 / 11																				1	85
9 / 9																					50
7 / 7																					35
5 / 5																					18
3 / 3																					9
1 / 1																					3
-1 / -1																					5
-3 / -3																					5
-5 / -5																					1
TOTAL	4.1	31.0	22.6	14.3	9.4	7.0	4.7	3.1	1.8	1.0	.5	.3	.0	.0	.0			7440	7440	7440	7440
																		7440		7440	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	37704810	506942	68.120621		7440		68.5	56.6	16.9	1.5		744
Wet Bulb	18195819	356943	48.011999		7440		126.9	9.3				744
Dew Point	11286897	272911	36.613289		7440	1.1	293.8	4.3				744

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

722536 RANDOLPH AFB TX STATION STATION NAME

70,73-81 YEARS

FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb		Dew Point		
70/ 69	.2	.1	.5	.1																8	8	2	2
69/ 67	.4	.6	1.1	.6					.1											23	23	5	4
68/ 65		.8	1.4						.1											20	20	11	4
64/ 63		1.5	1.3	.2	.1				.1											28	28	21	13
62/ 61	.9	2.2	1.3	.2	.4															43	43	37	27
60/ 59	.1	2.0	1.9	.6	.1	.1	.2	.2												45	45	34	39
57/ 57	.1	2.4	.9		.2	.2	.6	.2	.1											41	41	31	25
56/ 55		2.8	.9	.5		.4	.1	.2	.1											43	43	45	36
54/ 53	.1	1.5	1.2	.9	.8	.7	.5	.1												50	50	29	37
52/ 51	.5	1.1	1.9	.8	.7	.1														43	43	31	28
50/ 49	.8	3.8	1.9	1.8	.9	.5	.2	.4												87	87	47	36
48/ 47	.1	1.5	1.3	1.9	.8	.2		.1												51	51	55	32
46/ 45	.2	2.7	2.2	1.7	1.1	.7														73	73	61	34
44/ 43		3.0	2.1	.9	.5	.1	.1													57	57	73	41
42/ 41		1.7	1.1	1.3	.5	.4														41	41	65	42
40/ 39		1.2	1.7	1.3	.7															41	41	48	41
38/ 37	.1	2.1	1.3	.7	.7															42	42	51	50
36/ 35	.1	2.0	.9	.9	.4															37	37	54	48
34/ 33		1.7	2.1	.8	.1															40	40	45	42
32/ 31		.9	.9	.1																17	17	31	59
30/ 29		.6	.4																	8	8	42	42
28/ 27			.8																	7	7	16	33
26/ 25		.1																		1	1	6	29
24/ 23																						6	17
22/ 21																							27
20/ 19																							19
18/ 17																							14
16/ 15																							10
14/ 13																							11
12/ 11																							4
TOTAL	3.8	36.4	29.2	15.5	8.0	3.4	1.8	1.3	.2	.4										846	846	846	846

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4913848	62774	74.2	17.404	846	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2094338	41246	48.8	9.936	846		3.3	3.1				84
Wet Bulb	1799755	38039	45.0	10.286	846		10.0	.7				84
Dew Point	1512221	34023	40.2	13.052	846		26.3	.6				84

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70.73-81 FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
67/67	.7	.4	1.2	.5														23	23	6	6
56/65		.8	1.3															18	18	4	2
74/63	.1	2.1	.7	.2						.1								28	28	24	13
62/61	.7	3.2	.8	.1					.1	.1								43	43	38	24
60/59		2.7	1.2						.1	.1								35	35	32	39
58/57		2.6	.2	.2		.4	.1	.1	.2									33	33	34	32
58/55	.1	3.2	.1	.6	.4	.1	.4											41	41	31	30
54/53	.6	1.9	.7	.1	.2	.6	.5	.2										41	41	39	38
52/51	.5	1.3	1.2	.2	.5	.7												37	37	17	30
50/49	.7	2.8	1.7	1.1	1.1	.4		.1										66	66	42	24
48/47	.1	2.0	1.1	1.2	.4	.5	.4											47	47	38	26
48/45	.1	4.4	2.1	1.1	.5	.7												75	75	45	33
44/43		4.0	1.5	1.2	.5													61	61	74	28
42/41		2.6	2.0	1.7	.9	.2												63	63	83	52
40/39	.2	1.7	1.4	.8	.1													36	36	44	45
38/37	.2	3.0	.9	.7	.6	.2												48	48	62	37
36/35	.2	2.7	2.0	.8	.2													51	51	54	50
34/33		2.2	1.5	1.2	.1													43	43	49	52
32/31	.1	1.7	.9	.5														27	27	46	51
30/29		.6	.5															9	9	42	56
28/27		.2	.4	.1														6	6	15	32
26/25		.2	.9	.1														11	11	9	32
24/23		.2	.1															3	3	7	20
22/21																				10	21
20/19																					26
18/17																					15
16/15																					13
14/13																					9
12/11																					3
10/9																					3
8/7																					3
TOTAL	4.5	46.6	24.6	12.4	5.4	3.8	1.3	.5	.5	.2	.1							845	845	845	845
Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	5179645	64505	76.317	.399	845	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1963900	39800	47.110	.286	845		5.6	2.3				84									
Wet Bulb	1714221	36989	43.810	.613	845		12.8	.6				84									
Dew Point	1460564	33272	39.413	.352	845		28.2	.6				84									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70, 73-81
YEARS

FEB
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
67/ 67	.7	.4	.7	.6														20	20	6	6
67/ 65		.9	.5															12	12	4	
64/ 63	.5	2.8	1.2	.5				.1										43	43	22	16
62/ 61	.1	3.6	.6					.1										37	37	37	22
60/ 59	.5	2.2	.8			.5	.1		.1									36	36	42	44
57/ 57	.5	1.8	.4	.1	.1				.1									25	25	37	33
54/ 55	.5	2.8	.6	.4				.6	.6									46	46	21	37
54/ 53	.5	1.2	.5	.1		.2	.2	.1										24	24	28	30
52/ 51	.4	1.9	.2	.5	.4	.1												29	29	22	16
51/ 49	.1	3.4	1.5	.6	.7	.6	.2											61	61	38	26
47/ 47	.2	2.7	.6	.5	1.5	.2	.6											54	54	30	28
47/ 45		5.2	1.2	1.9	.2	.2	.1											75	75	47	20
44/ 43	.1	4.3	.8	.8	.4	.1												55	55	72	34
42/ 41		3.3	.9	1.7	.4													53	53	66	67
40/ 39	.5	2.2	2.5	1.1	.7	.1												60	61	63	42
39/ 37	.2	4.3	1.2	.6	.7	.1												60	60	50	36
38/ 35	.1	2.6	1.7	1.1	.1													47	47	75	40
34/ 33		2.0	1.2	1.1														36	36	46	43
32/ 31		2.0	1.5	.2														32	32	48	66
30/ 29		.8	1.1															16	16	34	45
28/ 27		.7	.4															9	9	27	43
26/ 25		.1	.5															5	5	13	32
24/ 23		.6	.4	.1														9	9	7	19
22/ 21			.1															1	1	7	27
20/ 19																				2	29
18/ 17																				1	15
16/ 15																					16
14/ 13																					7
12/ 11																					1
10/ 9																					2
6/ 5																					1
4/ 3																					2
TOTAL	4.9	52.0	20.9	11.7	5.2	2.2	1.9	.9	.2									845	846	845	845
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Num.	5310380	65390	77.4	17.218	845	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1915349	39265	46.4	10.489	846		7.1	2.0				84									
Wet Bulb	1685522	36618	43.3	10.813	845		13.8	.6				84									
Dew Point	1445774	33058	39.1	13.441	845		30.3	.6				84									

USAFETAC FORM 0-26-5 (OL A) REVISION NOVEMBER 1964

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70, 73-81

YEARS

FFB
 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/ 77																																	2	2				
76/ 75																																		1	1			
74/ 73																																		5	5			
72/ 71																																		10	10	1	1	
70/ 69	.1	.1	.6	.1	.4																													15	15	2	1	
68/ 67	.4	.5	1.4	.9	.7	.7																												47	47	5	4	
66/ 65	.1	1.3	2.0	1.4	.4	.6	.1																											54	54	14	5	
64/ 63	.4	2.6	1.2	1.3	.4	.2	.5																											60	60	36	17	
62/ 61	.5	1.9	.8	.7	.6	.5	.2	.4																										53	53	58	38	
60/ 59	.2	1.9	.7	.6	.4	.7	.6	.4																										47	47	48	44	
58/ 57	.2	1.9	1.1	.6	.7	.6	.9	.5	.2																									57	57	39	40	
56/ 55	.2	2.1	.7	.9	1.1	.4	1.1	.2	.1																									58	58	44	41	
54/ 53	.2	1.3	.8	.6	.2	1.1	.7	.7	.1																									49	49	45	36	
52/ 51		1.4	.9	.9	1.1	1.2	.5	.1																										52	52	44	34	
50/ 49	.2	1.5	1.7	.5	1.1	.8	.9	.1																										58	58	41	30	
48/ 47		2.7	.6	.7	1.3	.9	.5																											57	57	64	29	
46/ 45	.1	2.1	.8	.7	.4	.7	.4																											44	44	69	36	
44/ 43	.1	.8	.8	.8	.2	.6																												29	29	69	44	
42/ 41		1.5	1.2	.8	.7	.1																												37	37	53	44	
40/ 39	.1	1.7	.9	.8	.9																													38	38	49	32	
38/ 37		1.2	.7	.7	.2																													24	24	46	35	
36/ 35	.1	.7	.7	1.2																														23	23	37	39	
34/ 33		.7	.4	.4																														12	12	31	41	
32/ 31		.7	.1	.1	.1																													9	9	27	61	
30/ 29		.1	.2	.1																														4	4	14	39	
28/ 27				.1																														1	1	7	23	
26/ 25																																					1	24
24/ 23																																					1	21
22/ 21																																				1	31	
20/ 19																																						21
18/ 17																																						13
16/ 15																																						15
14/ 13																																						4
6/ 5																																						1
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 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70,73-81 FEB
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			TOTAL Dew Point																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb		Wet Bulb																			
4 / 3																																							2	
TOTAL	2,829,018,615,411,1	9.3	6.4	2.6	2.2	1.3	.9	.1	.2									846	846	846																				

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4252085	57103	67.5	21.696	846							
Dry Bulb	2498587	45173	53.4	10.119	846		1.4	7.9	.8			84
Wet Bulb	2019894	40474	47.8	9.944	846		5.1	.8				84
Dew Point	1607024	35032	41.4	13.604	846		25.3	.6				84

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 YEARS FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83														.1				1	1		
82/ 81									.1	.2	.4	.1						7	7		
80/ 79							.2	.4	.5		.2	.4	.1	.1				16	16		
78/ 77						.4	.6	.6	.1	.4	.2		.2					21	21		
76/ 75		.1	.1	.4	1.4	.7	.6	.2	.4	.4	.6	.1						41	41		
74/ 73	.1	.2	.2	1.2	.9	.8	.6	.4	.4	.2	.1	.2						46	46		
72/ 71		.2	.5	1.1	1.7	.8	.2	.2	.2	.5	.2	.4						51	51	3	
70/ 69		.9	.8	.7	.9	.9	.4	.4	.8	.4		.1						54	54	2	3
68/ 67	.1	.6	.8	.6	1.3	.9	.6	.7	.5	.4	.4							58	58	22	2
66/ 65	.5	1.2	.2	.9	.8	.6	.6	.9	.7	.5								59	59	45	8
64/ 63	.5	.5	.8	.8	.6	.8	.8	1.5	.4	.2								59	59	53	10
62/ 61	.7	.5	1.2	.7	.4	.4	1.2	.7	.7									54	54	46	16
60/ 59	.1	.4	.8	.7	.5	.4	.2	1.5	.8	.2								48	48	55	44
58/ 57	.8	.6	.5	.5	.6	1.4	.6	.4										45	45	60	33
56/ 55	.7	.2	.1	.8	.8	.9	.4	.1										35	35	53	45
54/ 53	.4	.1	.6	.6	.6	.5	.4	.1										27	27	48	38
52/ 51	.7	.7	.7	.5	.7	.7	.7											40	40	46	50
50/ 49	.1	.7	.4	.5	.1	.7	.7	.2										29	29	56	30
48/ 47	.1	1.2	.2	.8	.5	.4	.6											32	32	70	39
46/ 45	1.9	.9	.1	.8	.6	.1												38	38	73	29
44/ 43	.6	.4	.4	.8	.2													20	20	44	42
42/ 41	.5	.6	.2	.5														15	15	39	32
40/ 39	.8	.9	.5	.4														22	22	29	33
38/ 37	.6	.2	.4	.1	.1													12	12	46	34
36/ 35		.4	.1		.1													5	5	22	48
34/ 33	.8		.1	.1														9	9	15	37
32/ 31	.2																	2	2	11	52
30/ 29																				4	29
28/ 27																				2	42
26/ 25																				2	24
24/ 23																					24
22/ 21																					21
20/ 19																					29
18/ 17																					10
Element (X)	Σ X'	Σ X	X	X	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70.73-81 YEARS FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 15																					10
14/ 13																					9
0/ 7																					1
6/ 5																					2
TOTAL	.4	12.2	10.8	10.3	12.5	13.6	12.1	9.7	7.0	4.5	3.1	2.1	1.3	.5	.1		846	846	846	846	

Element (X)	Z _X '	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Ref. Num.	2880490	45656	54.0	22.203	846							
Dry Bulb	3209077	51203	60.5	11.414	846		.2	29.3	13.1	1.9		84
Wet Bulb	2287803	43241	51.1	9.587	846		1.9	2.7				84
Dew Point	1601878	34984	41.4	13.553	846		25.1	.5				84

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70, 73-81 FEB
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
87													.1		.1			2	2		
85										.1			.1					2	2		
83									.2	.4		.4	.2					13	13		
81							.5	.5	.7	.2	.1	.4	.5	.2				23	23		
79						.2	.5	.9	1.8	.2	.1	.1	.2	.2	.1			36	36		
77				.2		.2	1.3	.5	.6	.5	.4	.8	.2	.4				43	43		
75			.2	.2	.6	1.3	1.2	.7	.7	.4	.4	.6	.8	.1				63	63		
73			.1	.2	.2	1.3	1.1	.8	.5	.4	.2	.4	.4					47	47	1	
71				.1	.1	.4	.9	.6	1.1	.7	.6		.5					42	42	4	
69			.1	.5	.6	1.2	.9	.7	.7	.6	.5							49	49	5	5
67				.4	.6	.5	.6	.7	.9	1.1	.2	.7						48	48	26	1
65		.2	.7	.1	.7	.2	.2	.9	1.4	.8	1.2							56	56	48	3
63	.4	.4	.2	1.1	.7	.6	.6	.4	1.7	1.2	.2							62	62	52	12
61		.2	.1	.8	.6	.4	.4	.4	1.1	.8								40	40	49	23
59		.6	1.1	.8	.4	.8	.1	1.2	.2	.2	.1							47	47	56	34
57		.6	.4	.4	.8	.6	.9	.5	.1									36	36	51	31
55		.7			.1	.2	.9		.5									21	21	71	47
53		.2	.1	.6	.4	1.3	.2	.6	.2									31	31	53	45
51		.6	.1	.4	.6	.4	.5	.6	.2									28	28	58	53
49	.1	1.2	.2	.4	.6	1.1	.2	.5										36	36	53	41
47		1.1	.1	.4	.5	.7												23	23	65	26
45		1.5	.2	.5	.4	.5												26	26	63	30
43		.5	1.1	.5	.5	.1												22	22	46	35
41		.5	.2	.2	.4	.2												13	13	30	43
39		.2	.7	.6	.1	.1												15	15	38	35
37		.6	.4	.2	.4													13	13	33	41
35		.2																2	2	16	31
33		.5																4	4	13	41
31		.1																1	1	11	66
29		.2																2	2	2	23
27																					31
25																					46
23																					15
21																					21
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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70.73-81 YEARS FEB MONTH
 STATION STATION NAME HOURS (L. S. T.)
 PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 19																									25										
1 / 17																									19										
1 / 15																									7										
1 / 13																									5										
1 / 11																									5										
1 / 9																									5										
1 / 7																									1										
TOTAL	.5	1.0	2.6	1.8	5.9	3.1	2.1	0.6	1.0	4.2	2.7	8.4	6.3	1.4	.5				846	846		846	846	846											

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2396830	41016	48.5	21.981	846							
Dry Bulb	3505897	53485	63.2	12.139	846		.3	36.5	22.7	5.4		84
Wet Bulb	2358719	43955	52.0	9.420	846		1.5	3.6	.1			84
Dew Point	1546886	34350	40.6	13.420	846		26.7	.6				84

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70, 73-81

FEB

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
84/ 83													.1																				1	1				
82/ 81															.1																			1	1			
81/ 79									.1	.2	.1	.1		.1																				6	6			
79/ 77								.1	.2	.7	.2		.2		.1	.1																		17	17			
76/ 75				.1	.5	.1	.4	.5		.2		.2	.2																					19	19			
74/ 73			.1	.5	.4	.5	.7	.1	.1	.1		.1																						22	22			
72/ 71		.2	.1	.4	.8	1.4	.6	.1	.2	.4	.4	.1	.1																					41	41	3		
71/ 69		.1	.7	1.2	.8	.8	.6	.6	.4	.2	.1	.2	.5																					53	53	2	4	
68/ 67			.6	.6	1.2	.9	.5	.5	.6	.4		.2																						46	46	11	1	
66/ 65		.2	.7	.8	1.4	.7	.5	.6	.4	.2	.2																							49	49	28		
64/ 63	.1	.6	.6	1.1	.6	.1	.6	.5	.8	.1	.2	.1																						46	46	42	15	
62/ 61	.2	.7	.5	.8	.9	.9	.8	.7	.5	.8	.7	.5	.1																					60	60	45	33	
60/ 59		.5	1.9	.2	.5	1.3	1.5	.8	.7	.1																								64	64	44	24	
58/ 57		.6	1.1	.6	.6	1.1	.8	.5	.1	.1																								46	46	52	28	
56/ 55		.9	.9	.8	.7	.7	1.7	.5	.5	.1																								58	58	48	40	
54/ 53		.5	.1	.7	.9	1.1	1.5	.1	.2																									44	44	51	54	
52/ 51		1.3	.8	.4	.7	.9	.6	.4																										43	43	45	40	
50/ 49	.1	1.2	.7	.8	.8	.9	.4	.1																										43	43	69	41	
48/ 47	.1	.5	.5	.7	.8	.4	.1	.2																										28	28	64	27	
46/ 45		1.9	.6	1.2	.9	.2	.5																											45	45	64	30	
44/ 43		.7	.9	.4	.6	.6	.4																											30	30	62	37	
42/ 41		.7	.7	.7	.6																													23	23	54	52	
40/ 39		.2	.5	.5	.5	.1																												15	15	48	31	
38/ 37		1.2	.2	.2																														14	14	26	43	
36/ 35		.5	1.4	.5																														20	20	30	45	
34/ 33		.5	.2	.1	.1																													8	8	30	35	
32/ 31				.1																														1	1	18	56	
30/ 29		.4																																3	3	5	32	
28/ 27																																					4	46
26/ 25																																				1	34	
24/ 23																																					17	
22/ 21																																					21	
20/ 19																																					18	
18/ 17																																					10	
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 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70,73-81

FEB

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
72/ 71				.1	.1	.2						.1																					5	5				
70/ 69	.4	.5	.7	.7	.1		.1					.1	.1																					23	23	3	3	
68/ 67	.2	.5	.9	.9	.5	.2		.1				.1																						30	30	6	5	
66/ 65		.6	1.3	2.1	.1		.1		.1	.1	.5																							42	42	17	6	
64/ 63		1.2	1.8	.6	.5	.5				.1																								39	39	18	10	
62/ 61	.8	1.7	1.9	1.5	.7	.4	.4	.5	.2	.1																								69	69	50	24	
60/ 59		1.1	2.2	.1	.1	.6	.2	.2		.1																								40	40	42	34	
58/ 57		1.8	1.5	.2	.9	.7	.4	.1																										48	48	42	41	
56/ 55	.1	1.2	1.3	1.1	1.8	1.3	.8	.1		.1																								66	66	50	42	
54/ 53	.1	.8	.7	1.3	1.5	.6	.4	.1	.1																									48	48	33	42	
52/ 51	.5	1.9	.9	1.2	1.9	1.2	.2	.1																										67	67	31	36	
50/ 49	.4	2.6	1.2	1.4	1.2	.7	.1	.5																										68	68	59	33	
48/ 47		1.4	1.1	1.5	.7	1.1	.4																											52	52	64	33	
46/ 45		1.8	.7	1.4	1.3	.1																												45	45	72	33	
44/ 43		1.8	1.5	1.4	.8	.2	.1																											50	50	80	27	
42/ 41		.9	.7	1.2	.7	.7	.1																											37	37	43	52	
40/ 39		.6	.8	1.1	1.1	.2																												32	32	45	40	
38/ 37	.1	1.1	.7	.4	.4																													22	22	53	48	
36/ 35	.1	1.8	.4	1.2	.1																													30	30	37	44	
34/ 33	.1	.5	1.3	.1																														17	17	41	46	
32/ 31		.2	.6	.5																														11	11	25	50	
30/ 29		.4	.2																															5	5	22	43	
28/ 27																																					9	32
26/ 25																																				4	25	
24/ 23																																					14	
22/ 21																																					28	
20/ 19																																					20	
18/ 17																																					8	
16/ 15																																					13	
14/ 13																																					10	
12/ 9																																					3	
8/ 7																																					1	
TOTAL	2.8	24.1	22.6	20.1	14.5	8.7	3.3	1.8	.5	.6	.7	.2																							846	846	846	
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.	4251592	57766	68.3	19.069	846	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb	2376960	44068	52.1	9.819	846			1.6	5.8																													84
Wet Bulb	1947105	39717	46.9	9.882	846			6.0	.9																													84
Dew Point	1560277	34585	40.9	13.164	846			24.5	.8																													84

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

FEB 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																
98/ 87													.0													.0					2	2				
86/ 85														.0								.0									2	2				
84/ 83														.0							.0										15	15				
82/ 81												.1	.1	.1	.1	.1	.0	.1	.0												31	31				
80/ 79									.1	.2	.3	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0										58	58				
78/ 77				.0				.1	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.0												83	83				
76/ 75			.0	.0	.2	.4	.3	.2	.1	.1	.1	.2	.2	.0																	124	124				
74/ 73		.0	.1	.1	.2	.3	.3	.2	.1	.1	.1	.1	.1	.1																	120	120	1			
72/ 71		.0	.1	.2	.3	.5	.3	.1	.2	.2	.2	.1	.1																		149	149	11	1		
70/ 69	.1	.1	.4	.4	.3	.4	.3	.2	.2	.2	.1	.0	.1																		202	202	16	18		
68/ 67	.3	.3	.8	.7	.4	.5	.3	.2	.3	.3	.1	.2																			295	295	87	29		
66/ 65	.0	.7	1.1	.6	.4	.3	.2	.3	.4	.3	.3																				310	310	171	28		
64/ 63	.2	1.5	.9	.7	.4	.3	.3	.2	.6	.3	.1	.0																			365	365	268	106		
62/ 61	.4	1.8	.8	.7	.5	.3	.3	.4	.4	.3	.0																				399	399	360	227		
60/ 59	.1	1.4	1.3	.4	.2	.5	.4	.5	.3	.1	.0																				362	362	353	302		
58/ 57	.1	1.6	.8	.3	.5	.5	.7	.3	.2	.0																					331	331	346	263		
56/ 55	.1	1.8	.6	.5	.6	.5	.8	.3	.2	.0																					368	368	363	318		
54/ 53	.2	1.0	.5	.6	.6	.8	.6	.3	.1																						314	314	326	320		
52/ 51	.2	1.3	.9	.6	.8	.7	.3	.2	.0																						339	339	294	287		
50/ 49	.3	2.2	1.2	.9	.8	.7	.4	.2																							448	448	405	261		
48/ 47	.1	1.6	.7	1.0	.8	.5	.3	.0																							344	344	450	240		
46/ 45	.1	2.7	1.1	1.1	.7	.5	.1																								421	421	494	245		
44/ 43	.0	2.0	1.2	.8	.5	.3	.1																								324	324	520	288		
42/ 41		1.5	.9	1.0	.6	.2	.0																								282	282	433	384		
40/ 39	.1	1.1	1.2	.8	.6	.1																									259	260	364	299		
38/ 37	.1	1.7	.7	.5	.4	.1																									235	235	367	324		
36/ 35	.1	1.3	.9	.7	.1	.0																									215	215	325	345		
34/ 33	.0	1.1	.8	.5	.1																										169	169	270	337		
32/ 31	.0	.7	.5	.2	.0																										100	100	217	461		
30/ 29		.4	.3	.0																											47	47	165	309		
28/ 27		.1	.2	.0																											23	23	82	282		
26/ 25		.1	.2	.0																											17	17	36	246		
24/ 23		.1	.1	.0																											12	12	21	147		
22/ 21			.0																												1	1	18	197		
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) REVISED WITHOUT CHANGES OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFS WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 YEARS FEB MONTH PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
20 / 19																				2	187
19 / 17																				1	104
18 / 15																					93
17 / 13																					63
16 / 11																					21
15 / 9																					17
14 / 7																					9
13 / 5																					4
12 / 3																					4
TOTAL	2.528	0.18	3.13	4.10	1.8	3.6	2.4	3.5	2.2	1.4	.8	.7	.3	.1			6766		6766	6766	

Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	32324462	442464	65.9	22.384	6766	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	20478800	363016	53.6	12.186	6767		19.9	107.3	43.2	7.6		672
Wet Bulb	15954283	320823	47.4	10.972	6766		53.8	11.4	.1			672
Dew Point	12269258	273524	40.4	13.383	6766		212.9	4.8				672

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70,73-81 YEARS MAR
STATION STATION NAME

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
74/ 73																																1	1				
74/ 71			.3	1.9	.3																											24	24	1			
74/ 69	.1	1.9	3.2	.3				.2				.2																				57	57	14	3		
66/ 67	.9	1.7	1.5	1.1	.2			.2	.1			.1	.2																			58	58	50	33		
66/ 65	1.3	2.4	1.7	.2	.3							.1	.3																			60	60	56	61		
64/ 63	.5	2.4	.5	.6	.3							.2	.5	.3																		51	51	38	37		
62/ 61	.1	4.3	.9	.5	.2			.3	.4				.1	.1																		65	65	53	36		
60/ 59	.1	4.2	2.0	1.6	.8			.9	.3	.8			.1																			100	100	55	47		
58/ 57	.4	1.8	1.7	.4	.6			.8	.3	.2																						59	59	64	58		
56/ 55		2.4	1.6	1.2	1.1	.5		.2																								65	65	41	47		
54/ 53		1.2	3.4	2.0	1.2	1.1		.1	.1				.1																				85	85	64	40	
52/ 51		.5	3.0	1.5	1.5	1.1	.2		.1																								74	74	41	44	
50/ 49	.3	.3	1.4	1.3	.2	.5	.2																										40	40	85	31	
48/ 47		1.3	1.9	1.7	.5																												51	51	75	40	
46/ 45		.9	1.7	1.8	.3	.2																											46	46	67	39	
44/ 43		.4	1.2	.4	.1																												20	20	68	53	
42/ 41		.3	.6	.8	.1																												17	17	35	53	
40/ 39		1.0	1.3	.3																													24	24	46	54	
38/ 37		.4	.5	.4																													13	13	27	40	
36/ 35	.1	.3	.1																														5	5	19	58	
34/ 33	.1		.4	.1																													6	6	14	37	
32/ 31			.1	.1																													2	2	3	45	
30/ 29			.4	.1																													5	5	6	26	
28/ 27				.1																													1	1		14	
26/ 25																																			5	6	
24/ 23																																			2	8	
22/ 21																																				5	
20/ 19																																				8	
18/ 15																																				3	
16/ 9																																				1	
8/ 7																																				2	
TOTAL	4.0	28.1	31.4	17.1	7.5	5.8	2.2	2.3	1.1	.4	.1																							929	929	929	
Element (X)	Σx'		Σx		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.	5371183		68759		74.0		17.434		929		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93																				
Dry Bulb	3018329		52275		56.3		9.097		929			.8	14.0	.1			93																				
Wet Bulb	2588603		48197		51.9		9.744		929			1.6	6.5				93																				
Dew Point	2233266		44034		47.4		12.547		929			11.8	3.6				93																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70, 73-81
YEARS

MAR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point	
74/ 73			.2															2	2			
72/ 71		.5	1.5	.3	.1													23	23			
70/ 69		1.6	1.5	.1														30	30	11	3	
68/ 67	.8	2.6	2.0	1.0	.1				.3		.1							64	64	51	32	
66/ 65	1.1	1.7	1.7	.1	.2		.2	.2	.1	.2	.1							50	50	42	51	
64/ 63	.9	3.7	1.0	.3	.2	.2	.2	.1										61	61	50	45	
62/ 61	.9	3.4	1.2	.4	.2			.3	.1									61	61	59	36	
60/ 59	.4	2.6	2.2	1.7	.1	.5	.3	.2	.2									70	70	48	69	
58/ 57	.8	3.0	1.2	.3	.4	.8	.3											63	63	53	40	
56/ 55	.3	2.3	1.5	.1	.6	.4	.2	.1										52	52	57	47	
54/ 53	.3	1.6	1.5	1.1	1.2	.5	.3	.2										63	63	48	46	
52/ 51		1.7	3.4	.8	.4	.5												64	64	35	40	
50/ 49	.4	1.4	1.8	2.4	.4	.2												62	62	60	30	
48/ 47		1.2	2.2	2.3	.5	.3	.1											61	61	69	43	
46/ 45		1.2	2.3	1.3	.4	.3												51	51	63	34	
44/ 43		1.6	2.3	.8	.1													44	44	55	34	
42/ 41		1.1	1.4	.9														31	31	67	46	
40/ 39	.1	.6	1.0	.2														18	18	56	58	
38/ 37		.4	.5	.5														14	14	29	51	
36/ 35	.1	1.1	.9															19	19	24	39	
34/ 33	.1	.3	.6															10	10	19	45	
32/ 31	.1	.2	.9															11	11	13	44	
30/ 29			.2															2	2	9	36	
28/ 27		.1		.1														2	2	6	14	
26/ 25																					3	19
24/ 23			.2															2	2		8	
22/ 21																					1	3
20/ 19																					2	11
18/ 17																						2
16/ 15																						1
14/ 13																						1
12/ 11																						2
10/ 9																						1
8/ 7																						1
TOTAL	6.2	34.0	33.1	13.9	5.2	3.9	1.7	1.0	.9	.1	.1							930	930	930	930	
Element (X)	Σx'		Σx		X		σ_x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	5822034		71946		77.4		16.607		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total	
Dry Bulb	2854712		50698		54.5		9.895		930			1.7	11.9	.2								93
Wet Bulb	2506336		47292		50.9		10.451		930			3.4	6.2									93
Dew Point	2210417		43727		47.0		12.894		930			14.1	3.5									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

722536 RANDOLPH AFB TX

70, 73-81

MAR

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
74/ 73			.1														1	1		
72/ 71		.4	1.3	.2	.1												19	19		
71/ 69		1.2	1.0	.4													24	24	11	3
69/ 67	.6	2.5	2.5	.3													55	55	41	26
66/ 65	1.3	2.3	1.5	.3			.1		.3	.2							56	56	41	50
64/ 63	1.0	3.1	1.1	.3		.2	.1		.2								56	56	66	45
62/ 61	.6	4.2	1.5	1.2	.3	.3	.2	.1									79	79	42	44
60/ 59	1.3	1.9	2.3	.1	.6	.1	.5	.3	.1								68	68	61	66
58/ 57	1.0	2.8	1.7	.6	.1	.2	.4	.2									66	66	51	40
56/ 55	.5	2.4	.6	.3	.9	1.0	.1	.1									55	55	65	52
54/ 53	.1	1.9	1.8	.9	1.1	.9	.4	.2									68	68	42	55
52/ 51	.3	1.6	3.0	.9	.6	.3											63	63	36	31
50/ 49	.4	1.6	2.7	.9	.9	.3	.1										64	64	53	31
48/ 47	.1	1.0	1.9	.8	.5	.2	.1										43	43	82	36
47/ 45		1.3	1.3	1.1	.4	.2											40	40	65	42
44/ 43		1.4	1.8	1.0	.4												43	43	43	38
42/ 41		1.3	1.7	1.1	.2												40	40	50	46
41/ 39	.2	.8	1.3	.3													24	24	49	51
38/ 37	.1	1.0	1.0	.4													23	23	51	32
36/ 35		.3	1.2	.2													16	16	23	47
34/ 33		.8	.3														10	10	20	45
32/ 31		.4	.4	.1													9	9	19	42
30/ 29			.3														3	3	8	35
28/ 27		.1															1	1	2	21
26/ 25		.1															1	1	5	20
24/ 23			.1														1	1	1	11
22/ 21			.2														2	2		6
20/ 19																			3	8
18/ 17																				1
16/ 15																				3
14/ 9																				3
TOTAL	7.6	34.3	32.7	11.4	6.2	3.8	2.2	1.0	.6	.2								930	930	930
																		930		930
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	5892159	72361	77.8	16.791	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb	2829146	50460	54.3	9.913	930		1.7	9.9	.1			93								
Wet Bulb	2491356	47134	50.7	10.505	930		3.8	5.2				93								
Dew Point	2203058	43624	46.9	12.990	930		15.0	2.9				93								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

MAR 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
88/ 87															.1			1	1		
86/ 85														.1				1	1		
84/ 83							.1			.1								2	2		
82/ 79							.4			.1				.2				8	8		
78/ 77				.1	.4	.3	.1			.2	.1	.1						13	13		
76/ 75				.3	.4	.1	.1		.2	.3		.1	.1					16	16		
74/ 73			.8	1.1	.4				.2	.3	.3	.1						30	30		
72/ 71		.6	1.2	1.0	.5	.8	.3	.1	.3	.5								50	50	5	
70/ 69		1.7	1.8	1.5	.9		.5	.5	.3	.4	.2							74	74	28	6
68/ 67	.8	1.9	2.7	1.4	.5	.4	.6	.6	.6	.3		.1						94	94	61	38
66/ 65	.1	1.7	1.3	1.3	.6	.8	1.0	.8	.8	.6								83	83	50	45
64/ 63	.6	2.0	1.3	1.3	1.0	.6	1.5	.6	.4	.2	.1							91	91	76	53
62/ 61	.5	2.0	1.9	1.0	.6	.6	1.4	.6	.3	.3								88	88	55	60
60/ 59	.6	1.8	1.5	.5	1.3	1.2	.6	.9	.3									82	82	65	57
58/ 57	.2	1.1	.9	.6	.8	1.7	.9	.5	.2									64	64	80	55
56/ 55	.1	1.2	1.1	.9	1.3	1.1	.4	.3										59	59	57	53
54/ 53	.4	.4	1.1	.9	.9	.5	.3	.1										43	43	75	40
52/ 51	.1	.6	.9	.8	.3	.8	.1	.1										34	34	74	37
50/ 49		.3	1.0	.5	.8	.4												28	28	71	27
48/ 47			.2	.6	.6	.2												16	16	66	32
46/ 45			1.0	.4	.5	.1												19	19	47	50
44/ 43		.3	.2	.4														9	9	39	41
42/ 41		.1	.5	.4	.1													11	11	32	49
40/ 39			.1	.1														2	2	14	48
38/ 37			.3	.1	.1													5	5	15	43
36/ 35				.2														2	2	10	49
34/ 33				.2	.1													3	3	1	22
32/ 31																				1	26
30/ 29				.1														1	1	3	34
28/ 27				.1														1	1	2	27
26/ 25																				1	9
24/ 23																				1	4
22/ 21																				1	7
20/ 19																					11
Element (X)	Σx'	Σx	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-76-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 YEARS MAR 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															
94/ 93																												.1	1	1				
92/ 91																													.2	3	3			
90/ 89																														4	4			
88/ 87																														3	3			
86/ 85																														10	10			
84/ 83																														14	14			
82/ 81																														30	30			
80/ 79																														48	48			
78/ 77																														55	55			
76/ 75																														81	81			
74/ 73																														84	84			
72/ 71																														84	84			
70/ 69																														91	91			
68/ 67																														83	83			
66/ 65																														70	70			
64/ 63																														54	54			
62/ 61																														52	52			
60/ 59																														45	45			
58/ 57																														27	27			
56/ 55																														14	14			
54/ 53																														21	21			
52/ 51																														15	15			
50/ 49																														8	8			
48/ 47																														8	8			
46/ 45																														5	5			
44/ 43																														5	5			
42/ 41																														6	6			
40/ 39																														7	7			
38/ 37																														1	1			
36/ 35																														1	1			
34/ 33																																		
32/ 31																																		
30/ 29																																		
28/ 27																																		
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																																		

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

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81
YEARS

MAR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
25 / 25																					12
24 / 23																					3
22 / 21																					9
21 / 19																					3
18 / 17																					10
16 / 15																					2
14 / 13																					2
13 / 11																					2
11 / 0																					2
TOTAL	1.1	7.3	10.0	8.4	9.2	12.4	12.4	10.8	8.9	6.5	5.7	3.3	2.2	.9	.8	.3		930	930	930	

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	2999195	48637	52.3	22.145	930							
Dry Bulb	4446476	63718	68.5	9.332	930			59.1	33.3	9.3	.1	93
Wet Bulb	3142535	53499	57.5	8.362	930		.4	15.6	.5			93
Dew Point	2293357	44519	47.9	13.215	930		13.2	4.6	.1			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

72-536 RANDOLPH AFB TX 70,73-81 YEARS MAR MONTH

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70.73-81 MAR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
24 / 25																					14	
24 / 23																					5	
22 / 21																					5	
21 / 19																					8	
17 / 17																					4	
15 / 15																					5	
14 / 13																					2	
14 / 11																					3	
TOTAL	.1	5.1	6.9	8.8	7.6	7.8	10.5	13.4	12.2	7.5	6.8	4.9	3.5	2.9	1.0	.6	.2	930	930	930	930	

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2508187	43981	47.3	21.471	930							
Dry Bulb	4755593	65897	70.9	9.640	930			68.3	44.2	15.7	.3	93
Wet Bulb	3198280	54012	58.1	8.130	930		.4	17.7	1.2			93
Dew Point	2216192	43730	47.0	13.121	930		13.9	4.6	.1			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

722536 RANDOLPH AFB TX STATION NAME

70.73-81 YEARS

YEARS

MAR 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																	
2/ 91															.1																		1	1				
8/ 87										.1																								2	2			
6/ 85											.1															.2								3	3			
4/ 83											.1	.2												.1	.3									8	8			
2/ 81						.2	.1	.3	.1															.2	.1	.2								12	12			
1/ 79						.1	.1	.1	.4	.1														.3	.2									13	13			
7/ 77				.1	.5	.6	.4	.8							.1	.3	.4	.1																32	32			
76/ 75			.1	1.0	.6	1.3	.1	.6	.2	.6	.5	.8	.3																					58	58	1		
74/ 73			.4	1.0	1.1	.8	.6	.2	.1	.2	.6	.5																						52	52	3		
72/ 71		.5	.9	1.5	1.3	.8	.6	.9	.8	.5	.9	.2	.1																					83	83	9	1	
7/ 69		1.4	2.2	1.5	1.3	.6	.4	.3	1.2	.8	.8	.2																						99	99	30	9	
68/ 67	.3	.6	1.4	1.3	.9	.9	1.5	.4	.9	1.0	.2																							87	87	64	29	
66/ 65		.6	.6	.9	.4	1.0	1.5	2.0	1.1	.9	.2																							86	86	65	35	
64/ 63	.1	1.3	.8	.8	1.3	1.6	1.3	.9	1.0	.2																								85	85	68	46	
62/ 61		1.1	.3	.5	.3	1.5	.6	.5	.5	.2																								53	53	51	61	
60/ 59		1.3	.5	.8	1.2	.9	.6	1.1	.3																									62	62	61	56	
5/ 57		.1	.4	1.2	.5	.9	.8	.8																										43	43	54	43	
56/ 55		.1	.9	.6	.6	1.0	.3	.2	.1																									36	36	76	31	
4/ 53		.2	.9	.6	.6	.2	.4	.1																										29	29	93	33	
2/ 51		.3	1.2	.2	.2	.9	.1																											27	27	106	27	
5/ 49			1.1	.3	.2	.2																												17	17	63	42	
4/ 47		.3	.4	.1		.1	.1																											10	10	62	44	
42/ 45			.3	.2	.1																													6	6	53	46	
44/ 43		.1	.4	.3		.1																												9	9	23	63	
42/ 41		.1	.3	.2		.1																												7	7	17	50	
40/ 39				.1	.1	.1																												3	3	11	44	
38/ 37					.1	.1																												2	2	6	41	
36/ 35			.2	.1	.2																													5	5	3	42	
34/ 33																																				1	45	
32/ 31																																				5	47	
30/ 29																																				3	32	
28/ 27																																				2	23	
26/ 25																																					12	
24/ 23																																					6	
Element (X)	Z _X ¹	Z _X	X	C _X	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-3 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70.73-81 MAR

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
2 / 21																																					5	
2 / 17																																					8	
1 / 17																																					3	
1 / 13																																					3	
1 / 11																																				3		
TOTAL	.4	8.2	13.3	13.3	12.0	13.8	10.2	9.6	6.2	4.5	3.3	2.7	1.3		.8	.2	.1																		930	930	930	
																																					930	930

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Ref. Hum.	3320531	51861	55.8	21.477	930							
Dry Bulb	4024111	60603	65.2	8.982	930			45.0	18.1	3.1		93
Wet Bulb	2943688	51738	55.6	8.389	930		1.0	10.7	.4			93
Dew Point	2192632	43548	46.8	12.853	930		14.2	3.9				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

722536 RANDOLPH AFB TX
 STATION STATION NAME

70, 73-81
 YEARS

MAR
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
70 / 77																																1	1					
76 / 75					.2	.1																											5	5				
74 / 73				.5	.3																												11	11				
72 / 71			.1	1.8	1.4	.1	.1																										37	37		2		
70 / 69	.1	2.3	2.7	1.0	.3	.3	.2	.3	.2	.4	.3	.2	.1																				74	74	18	5		
68 / 67	.6	2.2	2.4	.9	.6	.3	.4	.2	.4	.3	.1																						79	79	53	33		
66 / 65		1.7	1.5	1.6	.2	.8	.1	.9	1.0	.1																							73	73	56	52		
64 / 63	.2	2.9	1.2	.9	.4	.4	.1	.4	.4	.3	.1																						69	69	48	42		
62 / 61	.1	1.9	1.5	1.1	1.0	.6	.4	1.0	.1																								72	72	56	51		
60 / 59	.3	2.3	1.6	1.7	1.6	1.9	.9	.9	.1	.2																							107	107	57	43		
58 / 57		1.3	1.7	1.4	1.6	1.1	.6	.5																									77	77	51	49		
56 / 55		.9	1.7	1.3	1.7	1.2	.8	.2																									72	72	57	40		
54 / 53		1.0	2.2	2.0	1.9	.9		.2																									76	76	63	36		
52 / 51		.2	1.6	.4	1.1	.2	.1																										36	36	80	41		
50 / 49		.2	1.8	.5	.9	.8	.1																										40	40	95	37		
48 / 47		.4	1.3	1.1	.6	.2																											34	34	75	50		
46 / 45		.4	.8	1.2	.2																												24	24	80	50		
44 / 43		.2	.3	.2	.1																												8	8	40	55		
42 / 41		.3	.6	.4																													13	13	33	47		
40 / 39		.4	.4	.1																													9	9	30	45		
38 / 37			.1																														1	1	15	47		
36 / 35				.3	.1																												4	4	8	50		
34 / 33			.3	.1	.1																												5	5	1	44		
32 / 31				.3																													3	3		38		
30 / 29																																				6	26	
28 / 27																																				2	11	
26 / 25																																			4	6		
24 / 23																																				7		
22 / 21																																					11	
20 / 19																																					6	
18 / 17																																					2	
16 / 15																																					3	
14 / 13																																					3	
12 / 11																																					3	
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 16-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536
STATION

RANDOLPH AFB TX
STATION NAME

70,73-81
YEARS

YEARS

MAR
MONTH

PAGE 2 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	
TOTAL	1.4	18.7	26.1	18.5	12.8	8.8	4.2	4.7	2.5	1.3	.4	.5								930	930	930

Element (X)	Σ x ²	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4607938	62926	67.7	19.416	930							
Dry Bulb	3325600	55078	59.2	8.279	930		.3	20.7	1.7			93
Wet Bulb	2714241	49551	53.3	8.933	930		1.2	7.3				93
Dew Point	2235426	44082	47.4	12.534	930		11.3	3.8				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

MAR 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															
94/ 93																.0	.0														4	4			
92/ 91																	.0	.0	.1	.0											9	9			
91/ 89																.0	.0	.0	.0												15	15			
88/ 87																	.0	.0	.0	.0											11	11			
86/ 85																.0	.0	.0	.0	.1	.0	.1	.0	.0						26	26				
84/ 83																.0	.0	.3	.1	.0	.0	.1	.1	.1	.1	.1	.1			59	59				
82/ 81																.0	.1	.3	.2	.2	.0	.0	.1	.1	.2	.0				100	100				
80/ 79																.0	.1	.2	.4	.3	.1	.1	.3	.3	.1					144	144				
77/ 77				.0	.1	.3	.3	.4	.3	.2	.2	.2	.2	.2	.0														178	178	1				
76/ 75				.1	.3	.6	.5	.2	.3	.3	.3	.2	.3	.1															238	238	2	1			
74/ 73			.0	.4	.5	.4	.4	.3	.3	.2	.3	.4	.2	.1	.0														264	264	18	1			
72/ 71			.4	1.2	.9	.5	.3	.3	.3	.4	.5	.4	.1	.0															396	396	58	4			
70/ 69	.1	1.5	1.9	.8	.5	.3	.3	.4	.5	.4	.3	.1	.0																537	537	226	58			
68/ 67	.5	1.6	1.7	.8	.5	.4	.7	.5	.7	.3	.1	.1																	597	597	481	249			
66/ 65	.5	1.4	1.2	.6	.3	.5	.6	.7	.6	.4	.1																		518	518	462	387			
64/ 63	.4	2.1	.8	.7	.5	.6	.6	.5	.4	.2	.1																		511	511	472	370			
62/ 61	.3	2.3	1.0	.7	.4	.6	.6	.5	.3	.1	.0																		509	509	429	383			
60/ 59	.4	2.0	1.4	.8	.8	.8	.5	.8	.2	.0																			560	560	504	456			
58/ 57	.3	1.3	1.0	.7	.6	.7	.6	.4	.0																				416	416	496	385			
56/ 55	.1	1.1	1.0	.6	.9	.7	.3	.1	.0																				366	366	537	346			
54/ 53	.1	.9	1.6	1.1	.9	.6	.2	.1																					406	406	556	319			
52/ 51	.1	.7	1.7	.7	.6	.5	.1	.0																					324	324	506	282			
50/ 49	.1	.5	1.3	.8	.4	.4	.1																						268	268	532	266			
48/ 47	.0	.6	1.0	.9	.4	.1	.1																						231	231	513	331			
46/ 45		.5	1.0	.8	.3	.1	.0																						193	193	438	358			
44/ 43		.5	.8	.5	.1	.1	.0																						145	145	303	370			
42/ 41		.4	.8	.5	.1	.1																							134	134	242	378			
40/ 39	.0	.4	.6	.2	.0	.0																							88	88	221	407			
38/ 37	.0	.2	.3	.2	.0	.0																							59	59	158	347			
36/ 35	.0	.2	.3	.1	.1																								52	52	94	384			
34/ 33	.0	.1	.2	.1	.0																								34	34	63	297			
32/ 31	.0	.1	.2	.1																									25	25	46	325			
30/ 29			.1	.0																									11	11	37	255			
28/ 27			.0	.0																									5	5	15	141			
Element (X)	Σ X ²	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70.73-81

MAR
 MONTH

PAGE 2

ALL
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
24/ 25		.0																1	1	18	98
24/ 23			.0															3	3	4	52
22/ 21			.0															2	2	2	51
21/ 19																				5	63
18/ 17																					23
16/ 15																					17
14/ 13																					10
11/ 11																					12
10/ 9																					10
7/ 7																					3
TOTAL	3.1	19.0	21.7	13.4	9.1	8.2	6.5	6.0	4.5	3.0	2.2	1.5	.9	.6	.3	.1	.0	7439	7439	7439	7439

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

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	34877486	480868	64.6	22.583	7439	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	28858080	456066	61.3	10.987	7439		4.7	257.8	104.8	29.1	.4	744
Wet Bulb	22443491	402321	54.1	9.596	7439		12.7	78.6	2.1			744
Dew Point	17897177	352063	47.3	12.887	7439		106.0	31.3	.2			744

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70,73-81
YEARS

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														
77/ 77			.1	.2														3	3																
76/ 75			1.4	.7														19	19																
74/ 73		.1	2.3	1.1														32	32	1															
72/ 71		1.4	6.1	1.4														81	81	28	4														
70/ 69	.1	3.9	6.9	.6	.1	.1				.2	.1							108	108	62	38														
68/ 67	.3	2.8	4.9	.7						.2								80	80	104	89														
66/ 65		4.6	3.9	1.7		.2	.2	.4	.2	.1	.1							97	97	89	82														
64/ 63	.1	3.6	1.8	1.7	.2	.2	.4	.2										74	74	98	98														
62/ 61	.2	3.2	2.4	1.0	.8	.3	.1	.1										74	74	63	80														
60/ 59		2.8	1.8	.7	.2	.9												57	57	61	55														
58/ 57	.1	2.3	2.9	1.0	.8	.3												67	67	59	52														
56/ 55		1.2	1.9	.9	.4	.3												43	43	58	52														
54/ 53	.2	1.9	1.3	1.0	.4	.6	.2											51	51	51	51														
52/ 51	.1	1.4	.8	.2	.3	.1												27	27	62	55														
50/ 49	.1	.8	.6	.6	.2	.1												21	21	46	40														
48/ 47		.4	.6	.4	.6		.2											20	20	26	29														
46/ 45	.1	.6	.7	1.0	.2		.1											24	24	17	25														
44/ 43		.6	.2	.1														8	8	24	28														
42/ 41		.1	.2	.2														5	5	19	29														
40/ 39			.2	.1														3	3	16	12														
38/ 37		.1	.1	.1														3	3	6	14														
36/ 35		.2	.1															3	3	4	18														
34/ 33																				5	12														
32/ 31																				1	18														
30/ 29																					7														
28/ 27																					4														
26/ 25																					5														
22/ 21																					1														
20/ 19																					1														
18/ 17																					1														
TOTAL	1.4	32.0	41.2	15.3	4.3	2.9	1.7	.6	.1	.3	.1							900	900	900	900														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Ref. Num.	5932304	72054	80.113	4.93	900	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																							
Dry Bulb	3552081	56065	62.3	8.138	900			32.3	5.4			90																							
Wet Bulb	3165349	52795	58.7	8.719	900		.1	19.5	.1			90																							
Dew Point	2901427	50183	55.8	10.718	900	3.7	13.1					90																							

USAFETAC FORM 0-26-5 (OL A) REVISION 10-65 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

70, 73-81

APR
 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
76/ 75			.2	.4														6	6	
74/ 73			2.4	1.1	.1													33	33	
72/ 71	.1	.9	5.2	1.1														66	66	10 2
71/ 69		5.7	5.8															103	103	61 13
69/ 67	.3	3.2	4.2	.2		.3	.2											77	77	115 108
66/ 65	.3	4.0	2.9	.7	.1	.1			.2	.1								76	76	78 84
64/ 63	.7	4.6	2.2	.9	.3				.1	.1								80	80	79 80
62/ 61	.6	4.2	1.8	.4	.3				.1	.2								69	69	73 88
60/ 59	.1	4.1	2.0	.2	.7	.6	.2	.4										75	75	58 56
58/ 57	.1	2.6	2.0	.1	.8	.2	.1											53	53	67 57
56/ 55	.3	2.6	1.6	.6	1.2	.1												57	57	54 49
54/ 53	.4	1.3	.9	1.1	.3	.2												39	39	44 45
52/ 51	.8	1.3	.9	.1	.4	.1												33	33	43 52
50/ 49	.1	1.6	1.3	.4	.3													34	34	41 28
48/ 47	.2	1.0	.2	.8	.2													22	22	57 39
46/ 45		1.3	1.1	.4	.2													28	28	30 24
44/ 43		.7	1.0	.7	.2	.1												24	24	20 37
42/ 41		.4	.6	.1	.1													11	11	23 24
40/ 39		.1	.2															3	3	18 18
38/ 37		.2	.4	.1														7	7	13 21
36/ 35			.3															3	3	8 18
34/ 33			.1															1	1	4 17
32/ 31																				4 17
30/ 29																				10
28/ 27																				3
26/ 25																				7
22/ 21																				1
20/ 19																				1
18/ 17																				1
TOTAL	4.1	39.8	37.4	9.6	5.4	1.8	.6	.7	.6	.1								900	900	900
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	6224208	73870	82.1	13.387	900	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb	3400781	54759	60.8	8.765	900			28.5	3.9			90								
Wet Bulb	3067473	51887	57.7	9.199	900		.4	18.6				90								
Dew Point	2837597	49555	55.1	11.013	900		4.0	12.3				90								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70, 73-81
YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
76/ 75			.3	.9																													11	11			
74/ 73			2.4	.9																													30	30			
72/ 71		1.4	5.7	1.0																													73	73	11		
71/ 69		4.9	5.3	.3	.2	.1	.1																										99	99	69	24	
69/ 67	.2	3.3	4.8	.6	.2			.1																									83	83	110	104	
66/ 65	1.7	2.7	1.4	.8	.1		.1	.3																									76	76	85	95	
64/ 63	.3	5.8	2.0	1.4		.1																											87	87	69	72	
62/ 61	.3	5.1	2.4	.8	.6	.4	.2	.3																									92	92	89	80	
60/ 59	.3	2.0	2.6	.3	.6	.6	.2	.2																									61	61	73	69	
58/ 57	.3	2.9	1.2	.7	1.1	.9	.4	.4																									72	72	58	62	
56/ 55	.3	2.7	1.0	.9	1.0	.1	.1																										55	55	57	57	
54/ 53	.2	.8	1.3	1.3	.3	.3																											39	39	42	48	
52/ 51	.6	1.2	.3	.4																													23	23	43	50	
51/ 49		1.1	.9	.3																													21	21	45	19	
48/ 47		1.1	.3	.4	.1																												18	18	50	25	
46/ 45		.8	1.1	.2	.1																												20	20	30	29	
44/ 43		.2	.9	.3	.1	.1																											15	15	13	32	
42/ 41		.3	.4	.1																													8	8	17	28	
40/ 39		.2	.8	.1	.1																												11	11	15	24	
38/ 37		.2	.1	.1																													4	4	8	14	
36/ 35			.1																														1	1	11	22	
34/ 33			.1																														1	1	2	12	
32/ 31																																				3	12
30/ 29																																				9	
28/ 27																																				7	
26/ 25																																				3	
24/ 21																																				2	
22/ 19																																				1	
TOTAL	3.7	36.8	37.7	12.0	4.6	2.7	1.2	1.4																										900	900	900	900
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																									
Rel. Hum.	6136595	73271	81.4	13.809	900																																
Dry Bulb	3476949	55443	61.6	8.269	900				29.6	4.1																										90	
Wet Bulb	3122561	52417	58.2	8.807	900			.3	19.0																											90	
Dew Point	2881397	50001	55.6	10.730	900			3.4	12.8																											90	

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70.73-81 APR
 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
86/ 85														.1			1	1	
84/ 83					.1				.1				.2			4	4		
82/ 81				.1	.3	.7	.1			.1	.1	.1				14	14		
80/ 79				.2	1.7	1.1	.1		.1		.1					31	31		
78/ 77			.2	1.7	2.2	.7	.2	.3	.2		.2		.1			53	53		
76/ 75		.1	.7	2.4	2.6	.6	.8	.2	.2		.1					69	69	2	
74/ 73		.2	1.4	4.4	1.2	1.3	.3	.4	1.2	.2	.3					101	101	15	
72/ 71	.1	2.0	2.8	2.0	1.1	1.1	.9	1.1	.4	.3	.1					108	108	62	
70/ 69		2.0	2.8	2.6	1.2	1.1	.8	1.1	.8	.1	.1					113	113	97	
68/ 67	.1	1.2	3.7	1.3	1.6	.6	1.0	.8	.2	.3	.1					98	98	98	
66/ 65	.1	1.7	2.7	1.8	.7	.4	.8	.6	.3	.2						83	83	86	
64/ 63	.3	1.9	1.3	1.0	.2	.4	1.0	.1	.2	.2						61	61	96	
62/ 61	.1	1.3	1.1	.4	.8	.8	.9	.3	.3							55	55	82	
60/ 59	.2	1.1	.8	.3	.3	.3	.2	.1								31	31	88	
58/ 57		.7	.2	.1	.6	.3	.4									21	21	61	
56/ 55	.1	.9	.1	.3	.6	.2		.1								21	21	54	
54/ 53	.3	.3	.2	.2	.2		.1									13	13	52	
52/ 51		.6	.1	.1	.4	.1	.2									14	14	35	
50/ 49				.1	.1	.2										4	4	30	
48/ 47			.1	.1	.1		.1									4	4	15	
46/ 45						.1										1	1	15	
44/ 43																		6	
42/ 41																		2	
40/ 39																		5	
38/ 37																		1	
36/ 35																		1	
34/ 33																			
32/ 31																		7	
30/ 29																		2	
28/ 27																		6	
26/ 25																		5	
24/ 23																		3	
22/ 19																		3	

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70, 73-81
YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
92/ 91													.1											.1								1	1			
90/ 89												.1	.1											.1	.1				.1				6	6		
88/ 87							.1	.3		.2	.2					.1																	13	13		
86/ 85							.3	.7	1.1	.4						.1								.2	.1	.2							27	27		
84/ 83						.1	1.3	1.7	.7	.3	.3	.3	.3	.1	.2																		49	49		
82/ 81				.2	1.2	2.4	2.4	.7	.2	.2	.4	.1	.3	.1																			76	76		
80/ 79				.2	2.1	3.3	2.7	1.1	1.0	1.1	1.1	.1	.6																				120	120		
78/ 77				.8	1.1	2.0	1.0	1.2	.7	1.1	.3	.1	.1																				76	76	2	
76/ 75			.6	2.0	2.3	2.1	1.0	1.4	1.7	1.8	.9	.4																					128	128	10	
74/ 73		.3	.8	1.7	1.3	1.2	1.2	.4	1.2	.8	.9	.4																					93	93	59	3
72/ 71		1.7	1.7	1.1	1.7	.8	.7	.8	.9	.2	.2	.3																					90	90	82	11
70/ 69		1.1	1.1	.2	1.1	.3	.4	.8	.2	.6	.2																						55	55	123	58
68/ 67		.9	1.4	.9	.4	.3	.6	.1	.2	.2	.1																						47	47	112	100
66/ 65	.2	1.1	.3	.3	.3	.6	.3	.2	.6																								36	36	84	103
64/ 63		.6	.3	.2	.4	.2	.3	.2																									21	21	83	74
62/ 61		.9	.2	.4		.2		.1	.1																								18	18	79	78
60/ 59			.1			.1	.6	.1	.1	.1																							9	9	66	65
58/ 57	.1	.3		.2	.1		.1	.1	.2	.1																							11	11	57	43
56/ 55	.1		.1	.1			.1	.1																									5	5	53	39
54/ 53		.2	.3		.2			.1																									8	8	22	34
52/ 51		.4			.1	.2																											7	7	26	31
50/ 49				.1																													1	1	17	38
48/ 47			.2	.1																													3	3	7	35
46/ 45																																			6	41
44/ 43																																			9	24
42/ 41																																		3	24	
40/ 39																																				17
38/ 37																																				18
36/ 35																																				20
34/ 33																																				16
32/ 31																																				7
30/ 29																																				7
28/ 27																																				6
26/ 25																																				4
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature																													
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 34-54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
24 / 23																						3														
22 / 21																						1														
TOTAL	.4	7.6	7.2	8.7	12.7	15.7	14.1	9.8	8.1	6.4	4.8	2.0	1.6	.7	.2	.1		900			900															
																		900			900															

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	
Dry Bulb	3257109	51173	56.9	19.660	900			78.1	58.9	24.1		90
Wet Bulb	5030594	66960	74.4	7.365	900			38.8	7.1			90
Dew Point	3714135	57473	63.9	6.994	900		2.8	17.2	.3			90
	2977552	50784	56.4	11.161	900							90

USAFETAC FORM 0-20-5 (OLA) AIR 44 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
 STATION STATION NAME

70,73-81 YEARS

APR 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														
92/ 91								.1	.1	.1								3	3																
91/ 89							.3	.2			.4		.2		.1	.1		17	17																
88/ 87						1.0	.4	.4	.6	.3	.1		.4		.1			31	31																
86/ 85						.4	1.4	.9	.8	.2	.4		.1	.1	.2			42	42																
84/ 83					.4	1.9	1.8	2.0	.6	.1	.4	.2	.3	.3	.1			74	74																
82/ 81				.2	.1	1.3	2.1	1.4	.8	1.1	.7	.4	.6					79	79																
80/ 79			.2	1.8	2.1	2.4	1.7	1.0	1.3	2.2	.9	.6	.1					129	129																
78/ 77		.1	1.0	2.9	1.3	2.1	.7	.7	1.2	.9	.6	.7						109	109	1															
76/ 75		.4	1.3	1.8	1.4	1.6	1.2	.8	1.8	1.4	.1	.3						110	110	25															
74/ 73	.3	1.1	1.6	.7	.6	.6	.8	.7	.8	.4	.3							70	70	61	1														
72/ 71	.9	1.1	1.4	1.3	.6	1.0	.6	.2	.1	.2	.3							70	70	89	19														
70/ 69	1.1	.8	.8	.1		.6	.2	.1	.6	.2								40	40	109	75														
68/ 67	.8	.9	.6	.4	.2	1.0		.7	.1									42	42	118	78														
66/ 65	1.3	.4	.1	.1	.2		.4	.2	.1									27	27	90	82														
64/ 63	.6	.2	.2	.2	.1			.2	.1									15	15	91	79														
62/ 61	.1		.1			.2	.4	.2										10	10	62	84														
60/ 59	.2	.3	.1	.1	.2	.1	.3	.1										14	14	72	74														
58/ 57	.1					.1												2	2	57	35														
56/ 55		.1	.1		.1	.1												4	4	48	35														
54/ 53	.3			.1														4	4	15	38														
52/ 51	.3				.1													4	4	29	33														
50/ 49			.1															1	1	10	28														
48/ 47		.2																2	2	9	41														
46/ 45		.1																1	1	9	37														
44/ 43																				4	21														
42/ 41																				1	27														
40/ 39																					19														
38/ 37																					18														
36/ 35																					19														
34/ 33																					17														
32/ 31																					19														
30/ 29																					6														
28/ 27																					8														
26/ 25																					7														
Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70,73-81 APR
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
89												.1						1	1																
87							.2											2	2																
85						.2	.3		.1	.1	.1	.1			.1			10	10																
83					.1	.4	.2	.2	.1	.2	.2							14	14																
81				.1	.7	.7	1.0	.1	.2				.1	.1				27	27																
79				.4	2.0	1.2	.6	.2	.3	.1	.4	.3		.1				52	52																
77			.1	1.9	1.6	1.1	.9	.6	.8	.3	.6	.2						72	72																
75			.7	2.9	3.0	1.4	.8	.2	.4	.6	.1	.6						96	96	5															
73		.3	1.8	3.1	2.6	1.6	1.0	.7	1.3	.7	.3	.1						121	121	33	1														
71		1.6	1.9	1.8	1.6	1.1	1.1	.6	1.0	.7	.1	.1						103	103	65	21														
69		.9	2.2	2.8	1.9	1.1	1.1	1.8	.4	.1	.2							113	113	95	60														
67		1.4	1.6	.9	1.0	.4	.9	.8	.6	.8	.1							76	76	92	69														
65	.1	1.7	1.8	.9	.7	.9	1.2	.6	.6	.1								76	76	107	79														
63		1.3	.4	.6	.3	1.2	.2	.2	.6									44	44	99	82														
61		.3	.2	.3	.7	.2	.3	.1	.3									23	23	67	94														
59		.3	.6	.2	.6	.1	.4	.7	.1									27	27	65	54														
57			.4		.2			.3										9	9	65	52														
55		.2	.2	.1	.3	.2	.2	.1										13	13	66	41														
53			.1			.2	.3											6	6	45	37														
51		.7			.1	.1												8	8	28	35														
49					.1	.2												3	3	26	37														
47					.1													1	1	14	33														
45			.3															3	3	9	40														
43																				11	34														
41																				8	22														
39																					22														
37																					17														
35																					8														
33																					14														
31																					18														
29																					14														
27																					10														
25																					6														
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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72.536 STATION RANDOLPH AFB TX STATION NAME 70, 73-81 YEARS APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
TOTAL	.1	9.8	12.3	16.0	17.4	12.6	10.7	7.3	6.9	3.4	2.2	1.8	.1	.2	.1		900	900	900	900														
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	3732915	55323	61.5	19.223	900	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	900																						
Dry Bulb	4567756	63816	70.9	6.898	900			68.7	39.5	8.3		90																						
Wet Bulb	3528570	55968	62.2	7.315	900			29.0	3.8			90																						
Dew Point	2900848	50062	55.6	11.368	900		4.8	15.1	.1			90																						

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70, 73-81
YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
82/ 81				.2													2	2		
80/ 79				.3													3	3		
78/ 77			.2	1.4	.1												16	16		
76/ 75			.8	1.6	.2	.2											25	25	3	
74/ 73		.1	2.7	2.9	1.1	.1			.1				.1	.1			65	65	6	3
72/ 71		2.4	5.1	2.9	.2		.1		.2				.1				100	100	34	6
70/ 69		2.4	4.1	3.0	1.1	.3	.2	.2									103	103	76	47
68/ 67		2.4	6.3	1.6	1.8	1.2	.8	.1	.2								130	130	94	71
66/ 65	.7	2.4	3.8	1.8	1.3	.2	.3	.4	.1								100	100	102	92
64/ 63		2.3	.7	1.4	1.3	1.0	.8		.2								70	70	114	83
62/ 61		1.2	1.4	1.7	1.4	1.2	.3	.9	.1								75	75	63	105
60/ 59		1.3	2.4	1.8	1.1	.6	.3	.2									70	70	48	63
58/ 57		.3	1.3	.9	1.0	.4	.3	.1									40	40	66	40
56/ 55		.7	.8	.8	.4	.4	.3										31	31	74	39
54/ 53		.6	.4	.6	.1	.2	.2										19	19	56	43
52/ 51		.4	.1	.1	.4	.1	.1										12	12	52	65
50/ 49		.4		.4	.8	.2											17	17	30	40
48/ 47		.1	.3	.4	.3	.2											13	13	24	25
46/ 45			.2	.2													4	4	13	37
44/ 43			.1		.1												2	2	16	31
42/ 41			.2														2	2	18	18
40/ 39			.1														1	1	6	15
38/ 37																			3	11
36/ 35																			2	12
34/ 33																				19
32/ 31																				13
30/ 29																				9
28/ 27																				5
26/ 25																				6
24/ 23																				2
TOTAL		.7	17.3	31.2	24.0	13.0	6.6	3.9	2.0	1.0			.2	.1			900	900	900	900
																	900		900	

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5088896	66186	73.5	15.699	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3866667	58663	65.2	6.912	900			44.4	11.1	.3		90
Wet Bulb	3298494	54020	60.0	7.899	900			21.3	.9			90
Dew Point	2920723	50353	55.9	10.734	900		3.5	12.7	.3			90

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

722536 RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

APR 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	.0	.0		.0																		4	4			
90/ 89									.0	.0	.1	.1	.0	.0	.0	.0	.0														24	24			
88/ 87							.0	.2	.1	.1	.1	.0		.1	.0	.0														46	46				
86/ 85							.1	.3	.3	.2	.0	.1	.0	.0	.0	.0														80	80				
84/ 83						.1	.5	.5	.4	.1	.1	.1	.1	.1	.1	.0														141	141				
82/ 81				.1	.3	.6	.7	.3	.2	.2	.2	.1	.1	.0																198	198				
80/ 79			.2	.9	1.0	.7	.4	.3	.3	.5	.2	.1	.0																	335	335				
78/ 77		.1	.9	1.0	.6	.5	.3	.3	.3	.3	.1	.1																		329	329	3			
76/ 75		.0	.6	1.5	1.2	.7	.5	.4	.4	.5	.3	.2	.0																	464	464	45			
74/ 73		.2	1.9	2.1	.9	.6	.4	.3	.6	.3	.3	.1	.0																	585	585	175	8		
72/ 71	.0	1.5	3.7	1.6	.7	.4	.5	.4	.3	.2	.1	.1																		691	691	381	73		
70/ 69	.0	2.8	3.6	1.3	.7	.4	.4	.5	.2	.2	.1																			734	734	692	362		
68/ 67	.1	2.0	3.5	.8	.7	.4	.6	.2	.2	.2	.0																			633	633	843	716		
66/ 65	.3	2.4	2.4	1.0	.4	.3	.3	.3	.3	.1																				571	571	718	703		
64/ 63	.2	2.6	1.1	.9	.4	.4	.3	.1	.2	.0																				452	452	729	650		
62/ 61	.2	2.1	1.2	.7	.6	.4	.3	.3	.2																					416	416	578	686		
60/ 59	.1	1.5	1.3	.5	.4	.4	.2	.3	.1																					344	344	531	509		
58/ 57	.1	1.2	1.0	.4	.6	.3	.2	.1	.0																					275	275	490	411		
56/ 55	.1	1.0	.7	.5	.5	.2	.2	.0																						229	229	464	357		
54/ 53	.2	.7	.6	.5	.2	.2	.1	.0																						179	179	327	341		
52/ 51	.2	.8	.3	.1	.2	.1	.0																							128	128	318	352		
50/ 49	.0	.5	.3	.3	.2	.1																								102	102	245	260		
48/ 47	.0	.3	.3	.3	.2	.0	.0																							83	83	202	254		
46/ 45	.0	.3	.4	.2	.1	.0	.0																							81	81	129	271		
44/ 43		.2	.3	.1	.1	.0																								49	49	103	230		
42/ 41		.1	.2	.1	.0																									26	26	91	200		
40/ 39		.0	.2	.0	.0																									18	18	60	151		
38/ 37		.1	.1	.0																										14	14	31	126		
36/ 35		.0	.1																											7	7	26	129		
34/ 33			.2																											2	2	11	114		
32/ 31																																8	120		
30/ 29																																		64	
28/ 27																																		49	
26/ 25																																		43	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME

70, 73-81 YEARS

APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
24 / 23																					8
22 / 21																					5
20 / 19																					6
18 / 17																					2
TOTAL	1.5	20.3	23.9	14.1	10.4	7.9	7.0	4.8	3.6	2.5	2.0	1.0	.6	.3	.1	.0	.0	7200	7200	7200	

Element (X)	Σ X²	Σ X	X̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	37722032	500692	69.5	20.083	7200			422.4	216.6	67.2		720
Wet Bulb	27126994	437906	60.8	8.279	7200		.8	213.9	22.3			720
Dew Point	23325261	402071	55.8	11.08	7200		29.7	115.9	.8			720

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70,73-81
YEARS

MAY
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
84/ 83					.2													2	2		
82/ 81				.3	.3													6	6		
81/ 79			.2	.6	.1													9	9		
79/ 77		.4	1.6	1.0	.2													30	30		
76/ 75		1.3	4.0	2.0	.4													72	72	16	1
74/ 73		4.9	4.5	3.3	.1													120	120	55	22
72/ 71		6.2	5.8	2.8	.1	.1				.1								141	141	109	81
71/ 69	.3	3.8	6.8	1.9	.1				.1		.1							121	121	117	118
69/ 67		2.8	4.9	1.5	1.3	.2		.1										101	101	129	92
66/ 65	.3	3.2	4.6	1.4	.6		.1	.1										97	97	101	114
64/ 63	.2	2.0	2.2	1.5	.1	.1												57	57	101	105
62/ 61	.2	2.0	2.2	.9	.2													51	51	70	74
61/ 59	.2	.5	1.9	1.7	.6													47	47	63	84
59/ 57		.9	.9	.4	.1													21	21	47	49
56/ 55	.1	1.1	.6	.9	.3													28	28	35	41
54/ 53	.1	.3	.2	.1														7	7	37	42
52/ 51		.3	.5	.2														10	10	21	33
50/ 49		.3	.4															7	7	11	17
48/ 47		.1	.2															3	3	12	18
46/ 45																				4	16
44/ 43																				2	10
42/ 41																					6
40/ 39																					4
38/ 37																					1
36/ 35																					1
34/ 33																					1
TOTAL	1.5	30.3	41.6	20.6	4.9	.4	.1	.1	.1	.1	.1							930	930	930	930
Element (X)	Σx²		Σx		X	σ _x		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.	6364901		76449		82.2	9.311		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	4396823		63313		68.1	6.274		930				60.2	23.9	1.1		93					
Wet Bulb	3916385		60047		64.6	6.508		930				42.6	7.1			93					
Dew Point	3670352		58008		62.4	7.492		930				31.8	2.3			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

722536 RANDOLPH AFB TX
STATION STATION NAME

70.73-81
YEARS

MAY
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
84/ 83					.1													1	1		
82/ 81					.4													4	4		
81/ 79				.8														7	7		
79/ 77			.8	.8	.1													15	15		
76/ 75		1.3	2.7	2.2	.1													58	58	6	
74/ 73	.1	6.2	3.9	2.4		.1	.1											119	119	52	20
72/ 71		7.0	4.4	1.2	.1		.2											120	120	108	73
70/ 69	.4	5.5	7.1	1.1		.2	.2											135	135	110	119
67/ 67	.1	2.4	4.1	1.1	.1													72	72	114	87
66/ 65	.2	4.7	4.4	.4	.2			.1										94	94	100	115
64/ 63	.3	3.2	4.1	1.0	.1		.3											84	84	97	96
62/ 61	.1	1.4	2.5	1.4	.3	.1												54	54	68	66
60/ 59	.3	2.2	2.0	.9	.1	.2												53	53	68	79
59/ 57	.1	1.0	1.0	.6	.2													27	27	56	63
56/ 55	.1	1.0	.9		.2													20	20	38	39
54/ 53	.2	1.0	.9	.3														22	22	33	50
52/ 51	.4	.3	.6	.4														17	17	24	33
51/ 49		.2	.9	.1														11	11	16	17
49/ 47		.3	.8															10	10	15	21
48/ 45		.4	.2															6	6	18	14
44/ 43			.1															1	1	5	10
42/ 41																				2	16
41/ 39																					10
39/ 37																					2
TOTAL	2.5	38.1	41.2	14.5	2.2	.6	.9	.1										930	930	930	930
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	6640706	78130	84.0	9.101	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	4193758	62112	66.8	6.997	930			53.1	20.4	.9		93									
Wet Bulb	3819003	59227	63.7	7.123	930			39.0	5.8			93									
Dew Point	3604482	57430	61.8	7.903	930			29.9	2.0			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

722536 RANDOLPH AFB TX
STATION STATION NAME

70, 73-81
YEARS

MAY
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83					.1	.1											2		2		
82/ 81					.1												1		1		
81/ 79			.1	.6	.5												12		12		
79/ 77			2.3	1.2	.3	.1	.1										37		37		
76/ 75		2.2	3.8	3.2	.8												92		92	8	
74/ 73		4.1	4.9	2.3	.3	.1		.1									110		110	69	23
72/ 71	.2	6.7	5.7	1.9	.3	.2	.3	.2									145		145	106	82
70/ 69	.4	3.4	8.2	1.7	.8	.1	.4	.1									141		141	132	119
68/ 67		2.3	4.4	1.4	.4	.4	.3										86		86	140	111
66/ 65	.2	3.4	3.8	1.0	.1	.2	.2										83		83	92	128
64/ 63	.1	1.8	3.8	1.1	.5	.5											73		73	90	92
62/ 61	.3	1.3	1.2	.8	.4	.2											39		39	67	66
60/ 59	.2	1.2	1.0	.6	.5	.1											34		34	62	68
58/ 57	.1	.9	.5	.3	.2	.1											20		20	45	65
56/ 55		.6	.6	.1	.3												16		16	34	27
54/ 53	.1	.5	.9	.5													19		19	28	29
52/ 51	.2	.1	.3														6		6	21	28
50/ 49		.2	.2	.1													5		5	15	18
48/ 47		.2	.4														6		6	10	28
46/ 45		.2	.1														3		3	5	17
44/ 43																				5	11
42/ 41																				1	12
40/ 39																					4
38/ 37																					2
TOTAL	1.9	29.1	42.2	16.9	5.8	2.3	1.4	.4									930		930	930	930
Element (X)	Σ x'	Σ x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	6318264	76026	81.7	10.543	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	4385745	63587	68.4	6.404	930			62.6	25.4	.9		93									
Wet Bulb	3935707	60185	64.7	6.630	930			45.5	7.7			93									
Dew Point	3681781	58077	62.8	7.692	930			33.5	2.3			93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION STATION NAME

70.73-81 YEARS

MAY 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
92/ 91							.1										1	1	
90/ 89							.2	.1									3	3	
88/ 87							.6		.1					.1	.1		9	9	
86/ 85					.2	1.1	.4	.1									17	17	
84/ 83				.1	1.0	1.5	.8	.2		.1	.2						36	36	
82/ 81			.1	1.8	3.2	1.5	1.9	.1	.1	.1	.1	.1					85	85	
80/ 79			.9	4.0	2.8	3.1	.8	.4	.4	.3	.1						119	119	
78/ 77			2.3	3.2	4.2	3.3	1.4	.8	.2	.1	.3						147	147	9
76/ 75		.4	3.2	4.1	4.9	1.4	.6	1.2	.5	.4							157	157	56 4
74/ 73		1.2	2.8	4.1	1.2	1.6	.9	.2	.4								115	115	137 39
72/ 71		1.9	2.6	1.9	1.1	.8	.5	.6	.5	.2							95	95	139 101
70/ 69		.4	1.5	.8	.8	.8	.8	.4									50	50	162 121
68/ 67	.1	.4	1.3	.6	.3	.3	.5	.2									36	36	123 130
66/ 65	.3		.8	.1	.4	.3	.2										20	20	82 146
64/ 63		.3	.6	.3	.2	.3	.2										19	19	75 93
62/ 61		.2	.1	.2	.1	.3											9	9	45 48
60/ 59		.2	.1	.3	.2	.2											10	10	31 49
58/ 57					.1												1	1	30 46
56/ 55			.1														1	1	22 24
54/ 53																			11 22
52/ 51																			7 22
50/ 49																			1 25
48/ 47																			18
46/ 45																			15
44/ 43																			13
42/ 41																			12
40/ 39																			2
TOTAL	.4	5.2	16.3	21.6	20.8	16.6	9.9	4.5	2.4	1.3	.8	.2	.1				930	930	930

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4483840	63220	68.0	14.159	930	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	5316629	70137	75.4	5.408	930			87.0	68.9	20.8		93
Wet Bulb	4319688	63178	67.9	5.470	930			62.6	20.2			93
Dew Point	3812272	59116	63.6	7.647	930			39.5	4.3			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION STATION NAME

70, 73-81 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 95								.2										2	2																
54/ 93								.2										4	4																
92/ 91							.1	1.0	.4	.1					.1			16	16																
90/ 89							1.0	1.1	1.2		.2				.3			35	35																
98/ 87						1.4	1.9	1.6	.9	.3		.1	.1	.1				60	60																
96/ 85					.6	3.8	3.0	2.5	.8	.6	.2	.3						110	110																
74/ 83			.4	1.7	3.7	4.0	2.9	1.0	.6	.3	.3							139	139																
72/ 81		.1	1.3	1.7	3.7	5.1	1.5	1.0	1.0	.9	.2							152	152																
90/ 79		.4	1.9	2.3	2.9	.9	1.9	1.2	.8	.4								118	118	10															
70/ 77		1.3	1.7	2.4	1.5	.6	.8	1.2	.2	.5								95	95	59															
76/ 75		.6	2.2	1.4	.8	.6	.6	.9	.1	.1								68	68	102	15														
74/ 73	.8	.6	.9	.8	.5	.3	.8	.2	.1									46	46	158	67														
72/ 71	.2	.6	.4	.3	.1		.5	.2										23	23	168	98														
70/ 69	1.0	.8	.1	.4	.5	.9												34	34	121	104														
68/ 67	.1	.5		.1		.4	.1											12	12	88	146														
66/ 65	.1	.5		.3														9	9	65	135														
64/ 63			.1		.2	.1												4	4	55	79														
62/ 61		.1																1	1	42	34														
60/ 59																				27	44														
58/ 57	.2																	2	2	18	44														
56/ 55																				13	30														
54/ 53																				4	26														
52/ 51																					24														
50/ 49																					24														
48/ 47																					19														
46/ 45																					23														
44/ 43																					13														
42/ 41																					2														
40/ 39																					3														
TOTAL	2.4	5.7	9.0	12.0	19.0	18.1	16.3	9.2	3.9	2.7	1.0	.1	.4	.1				930	930	930	930														
Element (X)	Σx'	Σx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	3366068	54376	58.5	14.179	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	6065606	74918	80.6	5.724	930			91.4	84.5	58.7	.6	93																							
Wet Bulb	4561967	64947	69.8	5.327	930			70.6	32.9	.1		93																							
Dew Point	3854756	59434	63.9	7.797	930			43.0	8.2			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

722536 STATION RANDOLPH AFB TX STATION NAME

70,73-81 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
96/ 95								.1	1.1									11	11																
94/ 93							.2	.8	.1						.3			13	13																
92/ 91							.1	.4	.9	1.0	.2	.1						25	25																
91/ 89						.1	1.6	1.5	1.8	.9	.1	.2	.2	.1				61	61																
88/ 87						1.3	2.5	3.3	1.3	1.1	.3	.5						96	96																
86/ 85				.4		2.3	2.2	4.7	.6	.6	1.2	.4	.2					118	118																
84/ 83			.4	1.8	2.9	4.4	2.5	1.4	1.1	1.4	.8	.1						156	156																
82/ 81		.1	1.0	1.8	3.3	4.6	1.6	.6	.8	.2	.4							135	135																
81/ 79		.4	1.2	2.4	2.2	.5	1.4	1.0	.3	.6	.2							95	95	13															
79/ 77		.6	.6	1.3	1.0	.3	.4	1.3	.1	.2								55	55	63															
76/ 75	.9	1.1	.8	1.0	.1	.9	.5	1.0	.1									58	58	111	16														
74/ 73	.2	.2	1.1	.3	.3	.2	.6	.2										30	30	188	68														
72/ 71	.3	.9	.3	.4	.2		.6	.6										32	32	153	88														
71/ 69	.5	.1	.3	.3			.4											13	13	103	100														
69/ 67	.5	.3	.1	.2														11	11	85	148														
66/ 65		1.1	.3	.1			.1	.2										17	17	62	136														
64/ 63		.1	.2															3	3	52	82														
62/ 61			.1															1	1	43	39														
61/ 59																				28	39														
59/ 57																				19	39														
56/ 55																				7	34														
54/ 53																				1	27														
52/ 51																				1	33														
50/ 49																				1	24														
48/ 47																					16														
46/ 45																					18														
44/ 43																					16														
42/ 41																					2														
40/ 39																					3														
38/ 35																					2														
TOTAL		2.5	4.9	6.0	10.0	13.9	17.3	18.5	11.8	7.1	4.3	2.7	.5	.1	.3			930	930	930	930														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3088859	51801	55.7	14.802	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	6287750	76260	82.0	6.088	930			90.9	85.3	67.6	2.4	93
Wet Bulb	4606811	65269	70.2	5.303	930			71.6	37.5	.1		93
Dew Point	3834572	59266	63.7	7.883	930			42.0	8.4			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70, 73-81 MAY
 STATION STATION NAME YEARS MONTH
 PAGE 1 1800-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb
96/ 95									.1									1	1	
94/ 93								.2	.2									4	4	
92/ 91								.1							.1			2	2	
90/ 89								.3	.6	.1	.2	.1						13	13	
88/ 87							.3	.4	.5	.1	.1	.1						15	15	
86/ 85						.5	1.6	1.2	.6	.5		.1	.1					44	44	
84/ 83			.1	1.7	1.9	2.2	.9	.2	.2	.3	.3							73	73	
82/ 81		.2	1.1	2.6	2.7	2.2	.6	.4	.5	.3								99	99	
80/ 79		.9	1.7	4.3	4.3	1.3	.9	.6	.3	.3	.2							138	138	5
78/ 77	.2	1.5	2.6	4.3	2.4	1.0	.9	.3	.1	.2								125	125	25
76/ 75	.6	2.0	2.5	3.8	1.7	1.0	1.3	.1	.1	.1								123	123	59
74/ 73	1.2	1.3	2.6	1.3	1.1	.5	.3	.6										83	83	128
72/ 71	.4	1.5	1.3	1.9	1.1	.9	.2	.4										72	72	165
70/ 69	.8	1.3	.6	.9	.6	.2	.8	.1										49	49	132
68/ 67	.8	.8	.5	.8	.3	.5												34	34	112
66/ 65	.9	.6	.2	.1	.3	.2												22	22	82
64/ 63		.5	.5	.2	.5	.1	.1											19	19	71
62/ 61	.1			.2	.2	.1	.1											7	7	56
60/ 59			.2	.1														3	3	31
58/ 57			.1															1	1	22
56/ 55																				20
54/ 53																				13
52/ 51																				3
50/ 49																				3
48/ 47																				16
46/ 45																				23
44/ 43																				13
42/ 41																				5
40/ 39																				3
38/ 35																				3
TOTAL		5.0	10.7	14.1	22.8	19.2	12.1	8.2	4.0	1.6	1.6	.6			.1			927	927	927
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	4028891	59657	64.4	14.312	927	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb	5512466	71268	76.9	6.002	927			87.8	72.2	33.3	.5	93								
Wet Bulb	4346590	63268	68.3	5.551	927			62.8	21.8	.1		93								
Dew Point	3768189	58673	63.3	7.677	927			38.3	5.5			93								

USAFETAC FORM 16-61 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

70, 73-81
YEARS

MAY
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
64/ 83					.8	.1												8	8		
67/ 81			.2	1.0	.4													15	15		
67/ 79			.4	1.4	1.2	.2		.1										31	31		
70/ 77		.3	2.9	3.3	1.9	.2												81	81	2	
76/ 75		.6	4.9	5.8	3.3	.2	.1		.1		.1	.1						142	142	31	5
74/ 73		1.9	4.2	7.1	1.1	.5	.5			.1								144	144	64	42
72/ 71		3.0	3.5	4.1	1.3	.6	.6		.1									123	123	129	54
70/ 69		1.4	4.7	2.6	1.4	1.1		.1										105	105	145	127
68/ 67	.2	1.3	3.8	2.0	1.4	.8	.4											92	92	140	117
66/ 65	.1	1.0	2.5	1.5	1.0	.3	.2											61	61	88	107
64/ 63	.1	1.2	1.6	1.1	.4	.6		.1										48	48	86	123
62/ 61		.4	1.2	1.2	.2	.3	.1											32	32	72	64
60/ 59		.4	.2	.4	1.0		.1											20	20	58	70
58/ 57		.3	.2	.4	.1	.2												12	12	37	47
56/ 55		.1	.1	.4														6	6	28	47
54/ 53		.1	.4															5	5	17	34
52/ 51			.1															1	1	18	24
50/ 49				.1														1	1	11	8
48/ 47																					23
46/ 45																				1	20
44/ 43																					5
42/ 41																					3
40/ 39																					3
38/ 37																					2
36/ 35																					1
34/ 33																					1
TOTAL	.4	12.2	31.0	32.6	15.5	5.3	2.2	.3	.2		.2	.1						927	927	927	927
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	5481932	70554	76.1	10.999	927	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total									
Dry Bulb	4707223	65849	71.0	5.661	927			74.3	42.2	3.2		93									
Wet Bulb	4068775	61167	66.0	5.946	927			51.3	9.7			93									
Dew Point	3721196	58338	62.9	7.338	927			34.6	4.7			93									

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANOLPH AFB TX
STATION STATION NAME

70,73-81
YEARS

MAY
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																		
66/ 95								.1	.1																								14	14					
64/ 93									.1	.1	.0					.0																		21	21				
62/ 91								.0	.2	.2	.1	.0	.0			.0																		44	44				
60/ 89								.0	.4	.4	.4	.1	.1	.0	.0	.1																		112	112				
58/ 87								.4	.7	.7	.3	.2	.1	.1	.0	.0																		180	180				
56/ 85								.2	1.1	.8	1.0	.2	.2	.2	.1	.0																			289	289			
47/ 83					.1	.9	1.3	1.4	.8	.3	.3	.3	.2	.0																					417	417			
57/ 81			.1	.8	1.3	1.4	1.7	.5	.3	.3	.2	.1																							497	497			
60/ 79			.4	1.5	1.7	1.6	.4	.6	.4	.2	.2	.1																							529	529	28		
76/ 77		.1	1.7	1.8	1.8	1.1	.4	.3	.4	.1	.2																								585	585	158	1	
76/ 75		.9	2.8	2.8	2.0	.5	.4	.5	.3	.1	.0	.0																							770	770	389	51	
74/ 73	.0	2.6	2.8	3.0	.6	.5	.3	.3	.2	.0	.0																								767	767	851	325	
72/ 71	.0	3.2	3.1	1.7	.7	.4	.3	.3	.2	.0	.0																								751	751	1077	657	
70/ 69	.1	2.1	3.8	1.1	.6	.4	.2	.3	.0	.0																									648	648	1022	912	
68/ 67	.1	1.3	2.5	.9	.6	.3	.3	.0	.0																										444	444	931	974	
66/ 65	.1	1.7	2.3	.6	.4	.1	.1	.0	.0																										403	403	672	1012	
64/ 63	.1	1.1	1.6	.7	.2	.3	.1	.0																											307	307	627	768	
62/ 61	.1	.7	.9	.6	.2	.1	.0	.0																											194	194	463	443	
60/ 59	.1	.6	.7	.5	.3	.1	.0																												167	167	368	487	
58/ 57	.0	.4	.3	.2	.1	.0																													84	84	274	394	
56/ 55	.0	.3	.3	.2	.1																														71	71	197	277	
54/ 53	.1	.2	.3	.1																															53	53	144	262	
52/ 51	.1	.1	.2	.1																															34	34	95	224	
50/ 49		.1	.2	.0																															24	24	58	145	
48/ 47		.1	.2																																19	19	37	159	
46/ 45		.1	.0																																9	9	28	146	
44/ 43			.0																																1	1	12	91	
42/ 41																																						3	58
40/ 39																																						32	
38/ 37																																						7	
36/ 35																																						7	
34/ 33																																						2	
TOTAL		.815	.624	.216	.911	.7	9.7	7.7	6.1	3.5	1.7	1.2	.6	.1	.1	.1																			7434	7434	7434	7434	
Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature																																	
Ref. Hum.	39773431	530213	71.3	16.227	7434	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																											
Dry Bulb	40816000	547444	73.6	8.217	7434			607.3	422.8	186.6	3.5	744																											
Wet Bulb	33574926	497288	66.9	6.453	7434			446.0	142.7	.3		744																											
Dew Point	29947400	468342	63.0	7.710	7434			292.2	37.7			744																											

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

72536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

JUN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83					.1	.1												2	2		
82/ 81			.4	.9	.3		.1											16	16		
80/ 79			3.7	3.6	.7	.4	.1											76	76		
78/ 77		1.1	10.4	3.4	.4	.2												141	141	6	
76/ 75		3.6	10.3	2.9	.9													159	159	74	18
74/ 73		4.7	9.4	2.7	.2													153	153	187	103
72/ 71	.2	2.8	8.7	2.3	.3													129	129	177	178
70/ 69	.2	2.1	5.8	1.0	.3		.1											86	86	146	164
68/ 67		1.9	3.1	.6	.4	.2	.1											57	57	113	138
66/ 65		2.6	.9	.4	.1	.1												37	37	80	95
64/ 63		.7	.2	.2														10	10	51	93
62/ 61		.7	.3	.6														14	14	18	33
60/ 59		.7	.6	.1														12	12	15	25
58/ 57		.2	.1	.2														5	5	16	11
56/ 55			.1	.1														2	2	10	12
54/ 53			.1															1	1	3	15
52/ 51																				2	5
50/ 49																				2	2
48/ 47																					6
46/ 45																					2
TOTAL	.4	20.9	54.2	19.0	3.9	1.1	.4											900	900	900	900

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6228164	74588	82.9	7.203	900			81.9	54.7	4.9		90
Wet Bulb	4835818	65832	73.1	4.767	900			70.3	26.7			90
Dew Point	4369430	62570	69.5	4.648	900			60.1	12.1			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80 YEARS

JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
79 / 79			2.2	1.8	.1																												37	37				
77 / 77			.7	0.6	1.4																												117	117				
75 / 75	.2	6.3	8.9	2.6	1.0																												171	171	41	11		
73 / 73	.2	8.2	7.7	1.2																													157	157	203	90		
71 / 71		6.5	5.3	.7																													112	112	189	205		
69 / 69		3.8	6.9	.4	.1	.2																											103	103	112	159		
67 / 67		2.9	3.8		.2																												62	63	115	116		
65 / 65	.1	2.9	.7	.2	.2																												37	37	76	90		
63 / 63		3.6	.9	.1	.2	.3																											46	46	66	86		
61 / 61	.1	.9	.1	.1																													11	11	26	50		
59 / 59		1.2	1.1	.1																													22	22	20	23		
57 / 57		.7	1.0																														15	15	14	13		
55 / 55		.1	.7	.1																													8	8	23	12		
53 / 53			.1																														1	1	7	17		
51 / 51																																				5	13	
49 / 49																																				2	5	
47 / 47																																					6	
45 / 45																																					2	
43 / 43																																					1	
TOTAL		.737	.749	.9	8.8	1.9	.8	.2																											899	900		899
Element (X)	Σ X'	Σ X	X	°X	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	6632055	76977	85.6	6.748	899	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	4658607	64579	71.8	5.250	900			76.0	48.2	1.5		90																										
Wet Bulb	4279509	61855	68.8	5.129	899			66.1	24.4			90																										
Dew Point	4092760	60452	67.2	5.559	899			58.2	10.1			90																										

USAFETAC FORM 0-16-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

JUN
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																		
6/ 85						.1																										1	1					
7/ 81			.2	2.3	.1																											24	24					
7/ 79		.1	2.9	4.8	.4	.3																									78	78						
7/ 77		1.3	10.9	4.6	.7																										157	157	4					
6/ 75	.1	5.4	9.0	4.6	.9	.1																									181	181	88	23				
74/ 73	.1	6.1	6.0	2.2	.7	.3	.2																								141	141	230	124				
72/ 71		4.9	5.3	1.2	.2	.4																									109	109	167	209				
7/ 69	.1	2.6	3.9	.6	.3	.3	.1																								71	71	136	150				
6/ 67	.1	2.9	2.0	.2	.1	.3					.1																				52	52	88	134				
6/ 65		1.9	.9	.6		.1																									31	31	69	84				
4/ 63		1.9	.3	.2	.1	.2																									25	25	40	53				
2/ 61	.1	.4		.2	.1	.1																									9	9	33	41				
1/ 59		.7	.4																												10	10	13	21				
5/ 57	.1		.6		.1																										7	7	12	19				
5/ 55		.2	.2																												4	4	10	10				
4/ 53																																	7	7	13			
2/ 51																																		2	8			
5/ 49																																	1	2				
4/ 47																																			4			
4/ 45																																				2		
44/ 43																																				3		
TOTAL		.728	.442	.721	.4	3.8	2.4	.3	.2																										900		900	
																																			900		900	

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

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6284515	74833	83.1	8.326	900			81.4	58.2	6.1		90
Wet Bulb	4875970	66096	73.4	4.933	900			71.3	32.2			90
Dew Point	4184765	61177	68.0	5.408	900			64.0	14.7			90

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70, 73-80 YEARS JUN MONTH
STATION STATION NAME HOURS L. S. Y. I.

PAGE 1 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
98/ 97											.1							1	1																
94/ 93									.1	.2								3	3																
92/ 91							.3	.1										4	4																
90/ 89						.1	1.0	1.2	.2									23	23																
88/ 87						.9	3.3	.9	.2	.1								49	49																
86/ 85				.2	1.1	8.2	3.6	1.7	.2	.2								137	137																
84/ 83				1.1	6.8	5.0	2.9	.7	.1	.3								151	151																
82/ 81			.2	3.0	7.2	4.9	1.6	.6	.3	.3								163	163	1															
80/ 79			.9	5.8	5.1	2.7	1.1	.2	.3	.1								146	146	4	1														
78/ 77	.1	.6	2.3	3.6	1.1	.7	.6	.2	.2									84	84	77	1														
76/ 75	.2	.6	2.1	1.3	.6	.3	.4		.2									52	52	225	21														
74/ 73	.2	1.2	.7	.3	.2	.2	.2	.1										29	29	229	107														
72/ 71	.2	1.2	.8		.1	.1	.2											24	24	141	205														
70/ 69	.2	1.3		.1	.2													17	17	89	186														
68/ 67	.6	.3			.1													9	9	54	144														
66/ 65		.6																5	5	35	94														
64/ 63	.1																	1	1	19	48														
62/ 61	.1																	1	1	12	27														
60/ 59																				9	18														
58/ 57																				3	7														
56/ 55																				1	15														
54/ 53																					9														
52/ 51																					4														
50/ 49																					4														
48/ 47																					4														
46/ 45																					3														
44/ 43																					1														
TOTAL	1.8	6.9	16.0	25.6	24.0	14.8	7.0	2.0	1.7	.2								899	899	899															
Element (X)	ΣX²	ΣX	X̄	sₓ	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	3994622	59170	65.8	10.563	899	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	5924693	72853	81.0	4.818	899			89.3	84.3	62.0	.4	90																							
Wet Bulb	4726851	65093	72.4	3.910	899			82.1	53.7	.2		90																							
Dew Point	4208688	61344	68.2	5.042	899			66.6	13.0			90																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX

69-70,73-80

JUN

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
14/103														.1				1	1		
12/101													.1	.1	.1			3	3		
10/99													.2					2	2		
98/97										.6	.3	.2						10	10		
96/95								.1	.2	1.1	.2	.1						16	16		
94/93								.6	1.6	1.3	.7	.1						38	38		
92/91						.2	.9	3.0	3.1	2.1	.8							91	91		
90/89					.2	.6	3.7	6.9	5.1	1.7	.4	.1						168	168		
98/87					.2	1.6	7.2	6.6	3.7	.9	.4	.1						186	186		
86/85			.1		.1	4.3	4.9	2.3	1.0	.6	.9	.6						133	133		
84/83				.1	1.4	2.3	1.9	3.2	.8	.8	.3							98	98		
82/81			.1	.3	.4	1.7	2.1	.2	.4	.4	.3							55	55	6	
80/79			.1	.2	1.0	1.9	.2	.1	.2	.2								36	36	35	1
78/77				.6	.3	.6		.2		.3								18	18	149	10
76/75		.1		.2	.9	.1	.2	.1	.1									16	16	232	24
74/73		.1	.2	.3			.1		.1									8	8	192	68
72/71		.4	.1	.3														8	8	126	164
70/69			.4															4	4	68	154
68/67			.8															7	7	36	149
66/65		.1	.1															2	2	24	136
64/63																				21	91
62/61																				7	33
60/59																				2	9
58/57																				2	13
56/55																					14
54/53																					14
52/51																					4
50/49																					11
48/47																					2
46/45																					1
44/43																					1
42/41																					1
TOTAL		.8	2.0	2.1	4.7	13.2	21.0	23.4	16.2	9.7	4.7	1.3	.6	.2	.1			900	900	900	900
Element (X)	ΣX^1	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Ref. Num.	2708022	48418	53.8	10.716	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	6763078	77876	86.5	5.226	900			89.8	87.9	82.3	7.0	90									
Wet Bulb	4878214	66170	73.5	3.839	900			84.4	61.4	1.9		90									
Dew Point	4111596	60646	67.4	5.273	900			57.0	10.3	.1		90									

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

722536 STATION RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

JUN 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	3	3			
102/101														.4	.1		5	5			
100/99												.3	1.0	.1			13	13			
98/97										.4	.8	.6					16	16			
96/95								.1	.2	1.2	.8	.4	.2				27	27			
94/93						.1	1.2	1.1	2.2	2.4	.9						72	72			
92/91					.4	1.1	4.3	4.3	5.3	1.9	.4	.1					162	162			
90/89					.4	2.9	6.8	6.8	3.9	.7	.6	.2					200	200			
88/87					.1	.6	4.2	4.6	2.0	.6	.6	.7	.1				120	120			
86/85					.9	1.6	1.4	2.9	1.0	1.0	1.4	.2					93	93			
84/83			.1	.1	.1	.8	2.0	1.8	.7	.6	.3						57	57			
82/81			.2	.2	.4	1.3	1.9	.2			.6						42	42	11		
80/79			.2	.2	.2	1.8	.1	.2	.2		.2						25	25	38	1	
78/77			.2	.4	.8	.3	.1	.1			.3						21	21	146	9	
76/75			.7	.1	.6			.1									13	13	219	26	
74/73		.3	.4	.2													9	9	188	61	
72/71		.4	.4	.4													8	8	146	111	
70/69		.1	.8														8	8	64	153	
68/67			.1														1	1	40	155	
66/65		.1	.1														2	2	34	152	
64/63		.1															1	1	11	104	
62/61																			4	43	
60/59																			3	14	
58/57																			1	15	
56/55																				18	
54/53																				11	
52/51																				14	
50/49																				5	
48/47																				3	
46/45																				2	
44/43																				2	
42/41																				1	
Element (X)	Σ X'	Σ X	X	σ _x	No. Obs.		Mean No. of Hours with Temperature						Total								
Ref. Num.					≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70, 73-80 JUN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
104/103																		1	1	
102/101																		2	2	
100/99																		1	1	
98/97																		7	7	
96/95																		10	10	
94/93																		10	10	
92/91																		34	34	
90/89																		67	67	
88/87																		107	107	
86/85																		136	136	
84/83																		129	129	
82/81																		129	129	2
80/79																		91	91	19
78/77																		59	59	76
76/75																		36	36	178
74/73																		43	43	229
72/71																		19	19	142
70/69																		14	14	112
68/67																		2	2	73
66/65																				28
64/63																		2	2	20
62/61																		1	1	13
60/59																				4
58/57																				3
56/55																				1
54/53																				
52/51																				
50/49																				
48/47																				
46/45																				
44/43																				
42/41																				
TOTAL	1.8	4.1	10.8	14.3	19.8	17.6	14.0	7.4	5.4	2.7	1.3	.4	.2	.1			900	900	900	900
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	3362956	53782	59.8	12.877	900	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90								
Dry Bulb	6235183	74733	83.0	5.738	900			89.7	86.2	68.9	3.1	90								
Wet Bulb	4717399	65063	72.3	3.925	900			83.1	50.4	.9		90								
Dew Point	4067719	60313	67.0	5.365	900			55.3	10.4	.1		90								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

JUN
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					
89/ 89							.1		.2									3	3							
88/ 87							.3	.3	.1	.1								8	8							
86/ 85							.8	.3										10	10							
84/ 83				.6	1.3		.4		.1	.1								23	23							
82/ 81			1.8	3.9	2.6	1.3	.3											89	89							
80/ 79		.1	3.0	7.7	4.6	3.1	.7											172	172	1						
78/ 77		.4	5.9	7.9	3.7	1.7	.7											179	179	35	4					
76/ 75		.3	5.3	6.2	3.1	1.3			.1	.1								149	149	98	35					
74/ 73		.1	4.2	3.1	1.1	.8	.3	.1										88	88	198	86					
72/ 71		1.4	3.6	2.4	.6	.4	.4											80	80	181	143					
70/ 69		.6	3.8	.8	.6	1.2	.1											63	63	148	181					
68/ 67		.4	1.0		.1	.1												15	15	103	152					
66/ 65		.2	.2	.3	.2	.1												10	10	69	114					
64/ 63		.1			.1													2	2	21	70					
62/ 61		.3	.1	.2	.1													7	7	16	37					
60/ 59				.1	.1													1	1	21	28					
58/ 57				.1														1	1	2	11					
56/ 55																				4	10					
54/ 53																				3	12					
52/ 51																					9					
50/ 49																					6					
48/ 47																					2					
TOTAL		4.128	9.333	18.011	7.300	.4	.6											900	900	900	900					
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total															
Rel. Hum.	5117807	67327	74.8	9.505	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F															
Dry Bulb	5267914	68738	76.4	4.476	900			87.9	72.1	22.6		90														
Wet Bulb	4498560	63518	70.6	4.185	900			76.4	33.2			90														
Dew Point	4142437	60889	67.7	5.061	900			60.1	12.5			90														

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

JUN 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
100/105																.0	2	2		
94/103																.0	5	5		
82/101															.0	.0	10	10		
70/99															.0	.0	16	16		
58/97															.1	.2	34	34		
46/95															.0	.1	53	53		
34/93															.0	.2	123	123		
22/91															.0	.4	291	291		
10/89															.0	.1	461	461		
08/87															.0	.1	470	470		
06/85															.0	.1	510	510		
04/83															.0	.1	460	460		
02/81															.0	.1	518	518	20	1
00/79															.0	.1	661	661	97	3
78/77															.0	.1	776	776	493	30
76/75															.0	.1	777	777	1150	195
74/73															.0	.1	628	628	1656	699
72/71															.0	.1	489	489	1269	1325
70/69															.0	.1	366	366	875	1323
68/67															.0	.1	205	206	622	1151
66/65															.0	.1	124	124	415	896
64/63															.0	.1	87	87	249	632
62/61															.0	.1	43	43	129	313
60/59															.0	.1	45	45	87	157
58/57															.0	.1	28	28	53	102
56/55															.0	.1	14	14	49	103
54/53															.0	.1	2	2	20	101
52/51															.0	.1			9	69
50/49															.0	.1			5	43
48/47															.0	.1				29
46/45															.0	.1				13
44/43															.0	.1				10
42/41															.0	.1				3
Element (X)	Σx'	Σx	Σ	σ _a	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
 STATION STATION NAME

69-70, 73-80 YEARS

JULI
 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
84/ 83				.1	.2													3		3	
82/ 81				.8	2.0	.8	1.0	.1										43		43	
80/ 79			1.1	6.1	4.1	2.0	.4	.1										129		129	
78/ 77	.1	.9	8.4	8.0	3.2	1.5	.1											206		206	2 1
76/ 75		3.9	13.4	9.8	1.0													261		261	43 2
74/ 73	.3	4.5	9.0	3.8	.3													167		167	254 76
72/ 71	.3	4.6	4.0	.3	.2													88		88	310 214
70/ 69		2.3	.4	.2														27		27	235 296
68/ 67		.5		.1														6		6	73 220
66/ 65																					10 77
64/ 63																					2 29
62/ 61																					1 10
60/ 59																					2
58/ 57																					3
TOTAL		.16	.736	.329	.111	.1	4.3	1.5	.2									930		930	930

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6037889	74499	80.1	8.683	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	5356044	70526	75.8	2.888	930			93.0	80.9	9.6		93
Wet Bulb	4740281	66367	71.4	2.120	930			91.7	29.9			93
Dew Point	4456987	64335	69.2	2.637	930			80.9	7.9			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

722536 STATION RANDOLPH AFB TX

69-70,73-80 YEARS

JUL 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
79 / 79			1.3	2.3	.1	.2												36	36		
77 / 77			.6	8.4	3.8	1.2	.2											132	132		
75 / 75	.2	6.2	18.1	5.7	1.5													295	295	36	6
73 / 73	.6	9.8	14.2	2.6	.2													255	255	235	95
71 / 71	.1	7.8	7.1	1.4														153	153	314	243
69 / 69	.1	3.4	1.5	.1														48	48	237	297
67 / 67		.4	.2	.3														9	9	91	182
65 / 65		.2																2	2	12	73
63 / 63																				3	25
61 / 61																				2	6
59 / 59																					1
57 / 57																					2
TOTAL	1.1	28.6	50.8	16.1	3.0	.4												930	930		930

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	6730463	78897	84.8	6.328	930			92.8	71.8	.6		93
Wet Bulb	5149337	69165	74.4	2.426	930			91.3	27.1			93
Dew Point	4712030	66166	71.1	2.217	930			82.3	10.1			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

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
86/ 85						.1																												1	1					
84/ 83				.5	.8																														12	12				
82/ 81				2.8	1.4	.3	.2																												44	44				
80/ 79			3.8	7.3	2.5	.2																													128	128				
78/ 77		1.0	1.4	5.9	.9																														178	178	8			
76/ 75		6.7	15.5	4.7	.2																														252	252	120	22		
74/ 73	.2	9.0	8.1	1.9	.1																														180	180	324	162		
72/ 71	.3	4.3	4.7	.4																															91	91	258	294		
70/ 69		2.3	1.7	.1																															38	38	143	258		
68/ 67		.2	.2																																4	4	56	123		
66/ 65		.1	.1																																2	2	17	41		
64/ 63																																						3	24	
62/ 61																																						1	4	
60/ 59																																							1	
58/ 57																																						1		
TOTAL		.523	.545	.523	.8	5.8	.6	.2																													930	930	930	

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	6489830	77424	83.3	6.894	930			92.8	79.5	11.9		93
Wet Bulb	5346778	70456	75.8	3.128	930			90.9	45.2			93
Dew Point	4834343	67015	72.1	2.388	930			85.9	18.4			93

FORM 0-76-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 69-70.73-80 YEARS JUL 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	
94/ 93								.6	.1	.3	.1							11	11		
92/ 91							.6	.9	1.4	.1	.1							29	29		
90/ 89						.2	4.7	2.2	.9	.1								75	75		
88/ 87						1.5	5.8	4.8	1.3	.3	.1							129	129		
86/ 85				.5	8.0	6.5	1.6	.5										159	159		
84/ 83			.8	6.5	10.3	3.8	.1											199	199		
82/ 81		.4	3.1	8.2	3.1	.5												143	143		
80/ 79		.9	4.8	4.0	.6													96	96		
78/ 77	.3	1.2	1.3	.6	.1													33	33	80	
76/ 75	.2	1.4	.9	.2	.1													26	26	325	18
74/ 73		.8	.3															10	10	391	98
72/ 71	.6	.5																11	11	84	266
70/ 69	.4	.4																8	8	33	281
68/ 67	.1																	1	1	11	172
66/ 65																				4	60
64/ 63																					27
62/ 61																					5
60/ 59																					3
TOTAL	1.7	5.6	11.2	20.0	23.8	16.8	11.9	5.5	2.7	.6	.2							930	930		930

Element (X)	Z _{X'}	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3861171	59081	63.5	10.776	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	6539798	77884	83.7	4.316	930			93.0	91.0	80.4	1.1	93
Wet Bulb	5109705	68911	74.1	1.954	930			92.6	79.8			93
Dew Point	4526748	64840	69.7	2.557	930			83.5	11.6			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION STATION NAME

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														
102/101														.1				1	1																
100/99												.4	.5	.4	.4	.1		18	18																
98/97										1.1	1.0	1.0	.2			.1		31	31																
96/95								.1	2.0	4.2	3.8	.4	.2				100	100																	
94/93							.2	2.3	4.9	6.1	2.3	.1					148	148																	
92/91						.3	2.2	5.6	6.7	1.8	.4						158	158																	
90/89					.1	2.0	5.9	8.4	1.5	.2							169	169																	
88/87					.5	4.7	5.2	1.6	.2	.1							115	115																	
86/85				.1	3.8	3.0	1.0	.3									76	76																	
84/83				1.4	1.3	.6	.1										32	32																	
82/81			.5	1.6	.3	.1	.1										25	25																	
80/79		.2	.5	.6	.2		.1										16	16	10																
78/77		.8	.4	.3	.1												15	15	141																
76/75		.2	.3														5	5	368	4															
74/73		.2	.5	.1													8	8	308	53															
72/71	1.1	.1	.1														12	12	70	141															
70/69		.1															1	1	28	202															
68/67																			4	244															
66/65																			1	155															
64/63																				73															
62/61																				33															
60/59																				16															
58/57																				5															
56/55																				2															
54/53																				1															
52/51																				1															
TOTAL	1.3	1.9	2.0	4.1	6.3	10.9	14.7	18.3	15.4	13.5	7.8	2.0	1.0	.4	.2		930	930	930	930															
Element (X)	Σx ²	Σx	X	σ _x	No. Obs.	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Rel. Hum.	2430759	46187	49.7	12.142	930																														
Dry Bulb	7521022	83494	89.8	5.276	930			93.0	91.7	88.4	29.8	93																							
Wet Bulb	5186450	69426	74.7	1.992	930			92.9	82.7	.1		93																							
Dew Point	4287189	63069	67.8	3.296	930			64.4	5.7			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

722536 RANDOLPH AFB TX
 STATION STATION NAME

69-70,73-80
 YEARS

JUL
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
14/103														.2	.1	.1	.2	6	6		
152/101													.2	.1	.9	.2		13	13		
170/99										.1	.5	3.5	1.7	1.1	.1		66	66			
178/97										1.1	4.1	4.1	.8		.1		94	94			
176/95								.1	1.1	4.9	5.9	2.2	.5	.1			138	138			
174/93								.3	1.5	3.9	6.1	3.0	.3				141	141			
172/91							.2	2.0	2.8	6.3	2.0	.3					128	128			
170/89					.1		1.1	4.3	4.5	1.5	.2						109	109			
168/87						.1	2.6	1.9	1.5	.3	.1						61	61			
166/85					.2	1.3	1.6	.9	.3	.1							41	41			
164/83				.1	.9	1.0	.5	.1									24	24			
162/81				.6	1.4	.4	.1										24	24			
160/79	.1	.1		.9	1.4	.5											28	28	11	1	
158/77	.2	.4	.5	.2													13	13	119		
156/75	.1	.4	.5														10	10	328	5	
154/73	.4	1.6	.3	.1													23	23	311	30	
152/71	.5	.2	.1														8	8	116	111	
150/69	.2	.1															3	3	38	147	
148/67																			4	204	
146/65																			2	188	
144/63																				120	
142/61																				62	
140/59																				34	
138/57																				19	
136/55																				4	
134/53																				3	
132/51																				2	
TOTAL		1.6	2.9	3.1	4.3	3.3	6.1	9.6	10.8	13.2	14.6	13.9	10.3	3.3	2.2	.5	.2	930		930	
																		930		930	
Element (X)	Z _X ¹	Z _X	X	e _X	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	2202349	43131	46.4	14.747	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	7768561	84777	91.2	6.599	930			93.0	91.9	86.0	45.8	93									
Wet Bulb	5141203	69119	74.3	2.120	930			92.8	77.0	.1		93									
Dew Point	4136401	61921	66.6	3.825	930			49.8	3.6			93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
 STATION STATION NAME

69-70, 73-80
 YEARS

JUL
 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
12/101														.1	.1		2	2		
100/99												.1	.1	.6	.2	.1	11	11		
98/97									.1	.2	.9	1.2	.8	.4			33	33		
96/95									.4	1.0	3.1	.8	.1	.1			51	51		
94/93								.4	1.5	3.1	1.5	.6	.1				68	68		
92/91						.1	.3	1.9	5.2	2.5	.4						97	97		
90/89						.2	3.2	4.7	1.8	1.1							103	103		
88/87						.3	3.3	5.1	3.1	1.0	.3						122	122		
86/85					.4	2.2	4.5	3.0	1.2	.3							108	108		
84/83					1.6	4.0	2.6	1.5	.2								92	92		
82/81		.1		.5	2.9	1.7	1.1	.3									62	62		
80/79		.6	1.6	2.8	1.9	.1											66	66	3	
78/77		.9	1.1	1.3	.4	.2											36	36	42	
76/75		.2	1.7	1.4	.3												34	34	211	
74/73		1.4	1.5	.4													31	31	355	
72/71		1.0	.1														10	10	213	
70/69		.3															3	3	84	
68/67		.1															1	1	22	
66/65																				180
64/63																				99
62/61																				61
60/59																				23
58/57																				13
56/55																				8
54/53																				4
TOTAL		3.1	4.8	5.1	9.4	10.5	12.2	13.4	11.6	10.3	8.2	6.0	2.7	1.7	.9	.1		930	930	930

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2965662	50518	54.3	15.4	930	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6984769	80375	86.4	6.4	930			93.0	91.6	78.7	16.5	93
Wet Bulb	4984900	68058	73.2	2.1	930			93.0	61.1	.1		93
Dew Point	4178352	62240	66.9	3.7	930			54.2	3.1			93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70,73-80
YEARS

YEARS

JUL
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
92/ 91												.1						1	1		
91/ 89									.9	.3	.1							12	12		
88/ 87							1.1	1.2	1.7	.3								40	40		
86/ 85						2.0	2.7	1.9	.5	.2								69	69		
84/ 83					2.2	3.9	4.0	1.7	.6									115	115		
82/ 81			.1	2.0	5.5	6.3	2.5	.1										154	154		
80/ 79		.1	1.1	5.5	8.2	3.0	.1											167	167	1	1
78/ 77			3.2	6.9	3.9	1.2	.1											142	142	3	
76/ 75		1.3	3.4	6.0	1.6	.1												116	116	96	2
74/ 73		.9	3.9	1.6	.1													60	60	322	50
72/ 71		2.3	1.5	.4		.2												41	41	274	147
70/ 69		1.2	.2															13	13	193	258
68/ 67																				36	253
66/ 65																				3	139
64/ 63																				2	55
62/ 61																					13
60/ 59																					8
58/ 57																					4
TOTAL		5.7	13.4	22.5	21.4	16.8	10.4	4.9	3.8	.9	.2							930	930	930	930
Element (X)	Σ x²	Σ x		X̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	4617075	64579		69.4	11.953	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93								
Dry Bulb	5905515	74001		79.6	4.301	930			93.0	87.6	48.8		93								
Wet Bulb	4824197	66953		72.0	2.097	930			92.5	42.2			93								
Dew Point	4349275	63545		68.3	2.818	930			71.1	5.3			93								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

JUL MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
104/ 103														.0	.0	.0	.0	6	6				
102/ 101													.0	.0	.1	.0	16	16					
100/ 99											.0	.1	.5	.3	.2	.0	95	95					
98/ 97									.0	.3	.7	.8	.2	.1	.0	158	158						
96/ 95								.0	.4	1.3	1.6	.4	.1	.0		289	289						
94/ 93							.1	.6	1.3	2.0	.9	.1	.0			368	368						
92/ 91						.1	.6	1.4	2.4	.8	.2					413	413						
90/ 89					.0	.0	.4	2.3	2.6	.8	.2					468	468						
88/ 87					.3	2.2	2.3	1.2	.3	.1						467	467						
86/ 85					.2	2.2	2.3	1.0	.4	.1						454	454						
84/ 83				.2	1.7	2.6	1.4	.4	.1							477	477						
82/ 81		.0	.1	1.3	2.9	1.6	.7	.1								495	495						
80/ 79		.0	1.1	3.6	3.0	1.1	.1	.0								666	666	27	3				
78/ 77	.0	.4	4.3	3.5	1.5	.4	.1									755	755	395	1				
76/ 75	.0	2.3	6.8	3.7	.6	.0										999	999	1527	64				
74/ 73	.1	3.3	4.9	1.4	.1											734	734	2500	589				
72/ 71	.1	2.8	2.3	.3	.0	.0										414	414	1639	1529				
70/ 69	.0	1.3	.6	.1												141	141	991	1938				
68/ 67		.2	.1	.1												21	21	297	1597				
66/ 65		.0	.0													4	4	49	913				
64/ 63																		10	452				
62/ 61																		4	194				
60/ 59																			88				
58/ 57																			47				
56/ 55																			14				
54/ 53																			8				
52/ 51																			3				
TOTAL	.310	.320	.214	.1	9.9	8.3	7.3	6.9	6.2	5.3	4.7	3.5	1.9	.8	.4	.1	.0	7440		7440			
																		7440		7440			
Element (X)	Z _x '	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total												
Rel. Hum.	35335198	494316	66.4	18.305	7440	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	50572624	610678	82.1	7.760	7440			743.6	686.0	404.4	93.2	744											
Wet Bulb	39533109	542015	72.9	2.501	7440			737.7	445.0	.3		744											
Dew Point	35043272	510020	68.6	3.297	7440			572.1	65.7			744											

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70.73-80
YEARS

AUG
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
84/ 82				.1	1.2	1.6	.6	1.2	.1	.2	.1							4	4		
81/ 81																		44	44		
79/ 79				4.3	3.4	1.7	2.7											113	113		
77/ 77	.2	2.3	1.3	5.8	1.8	.8												206	206	3	2
76/ 75	.1	3.2	1.0	6.1	1.4	.2												196	196	104	16
74/ 73		4.3	8.3	4.2	.5													161	161	231	142
72/ 71		6.2	6.0	1.9														132	132	220	183
70/ 69		3.1	2.3	.5	.1													56	56	232	215
68/ 67		.3	1.0	.1														13	13	88	172
66/ 65		.3	.2															5	5	35	127
64/ 63																				15	46
62/ 61																				2	21
60/ 59																					5
58/ 57																					1
TOTAL	.3	19.8	43.4	23.3	7.2	4.4	1.4	.1										930	930	930	930

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

Element (X)	Σx^1	Σx	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	6248790	75808	81.5	8.642	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5285502	70042	75.3	3.339	930			92.5	72.4	8.7		93
Wet Bulb	4720908	66210	71.2	2.781	930			87.8	33.8			93
Dew Point	4463673	64359	69.2	3.252	930			73.0	16.0			93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 69-70, 73-80 YEARS AUG 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
82/ 81				.1	.4	.2	.1											8	8		
81/ 79			2.7	1.3	.2	1.2												50	50		
78/ 77		4.4	9.6	1.8	1.1	.4												161	161	2	
76/ 75	.2	8.2	10.5	3.2	1.5													220	220	101	33
74/ 73	.5	6.3	8.7	2.0	.1	.1												166	166	217	163
72/ 71		7.8	8.6	1.6	.3													171	171	169	170
71/ 69		4.8	3.8	.5														85	85	224	180
69/ 67		2.9	1.6															42	42	124	164
66/ 65		1.4	.6															19	19	53	138
64/ 63		.5	.1															6	6	29	44
62/ 61		.1	.1															2	2	9	25
61/ 59																				2	11
59/ 57																					2
TOTAL		836	646	310	63	37	19	.1										930	930		930
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	6851922	79536	85.5	7.321	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	5076701	68637	73.8	3.452	930			90.3	60.5	2.4		93									
Wet Bulb	4659641	65761	70.7	3.220	930			83.7	32.0			93									
Dew Point	4466240	64364	69.2	3.548	930			71.0	19.6			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

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

AUG
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb	Dew Point
4/ 83					.3	.1		.1										5	5		
82/ 81				2.9	.4	1.1												41	41		
81/ 79		.1	5.8	4.3	1.2	.3												109	109		
75/ 77	.1	3.7	2.4	3.8	1.0	.1												195	195	8	1
76/ 75	.2	7.0	9.0	2.9	.6	.1												185	185	158	50
74/ 73	.6	7.5	7.2	2.7	.3													171	171	245	198
72/ 71	.1	5.9	6.6	.3														120	120	213	197
70/ 69	.1	3.0	2.5		.1													53	53	151	206
68/ 67		2.0	1.3	.1														32	32	94	126
66/ 65		1.3	.4															16	16	32	96
64/ 63		.1	.1															2	2	23	33
62/ 61		.1																1	1	5	12
60/ 59																				1	10
58/ 57																					1
TOTAL	1.2	30.8	45.3	17.0	4.0	1.7		.1										930	930	930	930
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	6694960	78606	84.5	7.408	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	5239534	69720	75.0	3.709	930			91.1	70.6	10.2		93									
Wet Bulb	4775973	66581	71.6	3.160	930			86.9	41.1			93									
Dew Point	4566044	65088	70.0	3.398	930			77.8	24.9			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

722536 RANDOLPH AFB TX 69-70,73-80 AUG
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
94/ 93							.1	.1	.4	.3								9	9		
92/ 91							.3	.2	.9	1.5								27	27		
91/ 89					.2	1.1	2.9	2.0	.2	.1								61	61		
88/ 87						1.3	5.6	4.5	1.0									115	115		
86/ 85					.9	8.8	6.7	2.2	.2									174	174		
84/ 83				1.2	7.3	7.8	3.1	.8										188	188		
82/ 81			.8	4.1	7.5	3.0	1.3	.1										156	156		
80/ 79		.1	1.5	4.0	3.5	1.6												100	100	9	
77/ 77		.1	2.2	2.6	.8	.2												54	54	94	1
76/ 75		.8	1.3	.5	.2													26	26	333	30
74/ 73		.4	1.2															15	15	337	150
72/ 71			.2															2	2	122	235
70/ 69		.1	.2															3	3	29	247
68/ 67																				5	172
66/ 65																				1	78
64/ 63																					10
62/ 61																					6
60/ 59																					1
TOTAL		1.5	7.3	12.4	20.2	23.0	18.1	10.8	4.2	2.2	.4						930	930	930		
														930	930	930					

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

Element (X)	Σx ²	Σx	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Num.	3974521	59989	64.5	10.630	930							
Dry Bulb	6508810	77710	83.6	4.075	930			93.0	92.5	79.1	.9	93
Wet Bulb	5129451	69043	74.2	1.999	930			92.9	77.3	.1		93
Dew Point	4568530	65134	70.0	2.699	930			83.5	18.1			93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

AUG
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/101														.1				1	1		
100/99											.1	.6		.5				12	12		
96/97										.6	1.1	.8		.1	.1			25	25		
96/95									2.0	2.8	2.8	.9						79	79		
94/93							.3	2.8	4.8	4.1	1.0	.1						122	122		
91/91							.1	3.8	5.7	5.9	1.3							156	156		
89/89							1.5	8.7	7.8	1.5	.9							190	190		
88/87					.1	.2	3.8	5.9	3.8	.2	.2							132	132		
86/85				.2	1.5	3.7	2.4	1.1	.3									85	85		
84/83			.3	.8	1.5	1.1	.5											39	39		
82/81		.8	.9	.8	.2													24	24		
80/79	.1	.5	.5	.3	.4	.1												19	19	10	
78/77	.1	.5	.5	.1	.2													14	14	142	2
76/75		1.0	.4	.1	.1													15	15	349	9
74/73	.2	.6	.2															10	10	299	43
72/71	.3	.2																5	5	82	143
70/69		.2																2	2	39	199
68/67																				7	257
66/65																				2	155
64/63																					65
62/61																					37
60/59																					15
58/57																					4
54/53																					1
TOTAL		.8	3.1	2.8	2.5	4.7	10.4	21.6	21.2	14.8	9.9	4.9	2.4	.8	.1			930	930	930	930
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	2495408	46948	50.5	11.618	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb	7425861	82965	89.2	5.144	930			93.0	92.3	87.5	23.9	93									
Wet Bulb	5169722	69310	74.5	2.142	930			92.8	80.0	.1		93									
Dew Point	4294757	63129	67.9	3.201	930			65.3	5.4			93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/103														.2	.1			3	3		
102/101													.2	.3	1.1			15	15		
100/99												.3	1.1	.5		.1		19	19		
98/97											.8	3.4	3.3	.6	.2			78	78		
96/95									2.6	5.4	4.3	1.0						123	123		
94/93							.2	.1	1.8	7.2	5.4	1.9	.5	.2				162	162		
92/91								1.1	4.0	8.1	2.2	.8						149	149		
90/89							1.2	1.6	4.9	3.2	.9	.3						113	113		
88/87					.1	.2	1.8	2.5	2.2	.8	.4							74	74		
86/85					.1	1.3	1.7	1.4	.3	.1								46	46		
84/83			.1	.3	.9	1.5	1.2	.4										41	41		
82/81				.6	1.0	.4	.1	.1										21	21	2	
80/79		.2	.3	1.7	1.2	.5												37	37	6	1
78/77			.8	.8	.4	.1												19	19	112	5
76/75		.1	1.4	.4	.2													20	20	318	6
74/73		.1	.2	.4														7	7	340	33
72/71		.1	.1	.1														3	3	87	91
70/69																				58	156
68/67																			7	7	220
66/65																					205
64/63																					103
62/61																					57
60/59																					32
58/57																					16
56/55																					1
54/53																					4
TOTAL		.5	2.9	4.4	3.9	4.1	6.2	7.2	13.2	21.9	14.9	11.1	6.1	1.9	1.4	.1		930	930	930	930
Element (X)	Z _x ²	Z _x	X	X ²	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	2247036	43940	47.2	13.567	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	7648383	84155	90.5	5.984	930			93.0	92.7	86.0	40.0	93									
Wet Bulb	5132362	69058	74.3	2.176	930			93.0	77.8	.5		93									
Dew Point	4158490	62094	66.8	3.685	930			51.2	4.5			93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

AUG
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
10/ 99													.2	.5				7	7		
8/ 97												.2	.6	.4				12	12		
6/ 95										.6	1.5	.5						25	25		
4/ 93								.2	1.5	1.9	1.1	.1						45	45		
2/ 91							.6	1.4	4.0	2.0	.2							77	77		
0/ 89						.1	3.3	4.5	1.6	.9	.3							100	100		
8/ 87					.2	3.9	4.5	2.9	.9	.3								118	118		
6/ 85						3.1	4.2	4.1	1.3	.8								125	125		
4/ 83				.2	2.5	4.0	3.2	1.6	.4	.1								112	112		
2/ 81			.5	2.7	3.5	2.0	1.0	.1										92	92		
0/ 79	.3	.6	2.5	1.9	2.5	.4												77	77	2	
7/ 77		1.7	2.6	1.8	1.0	.3												69	69	37	2
6/ 75	.4	1.6	1.2	.6		.1												37	37	196	4
4/ 73	.5	1.4	.6															24	24	352	32
2/ 71	.3	.5	.1															9	9	193	144
0/ 69	.1																	1	1	103	177
6/ 67																				42	203
4/ 65																				5	172
2/ 63																					91
0/ 61																					53
6/ 59																					33
4/ 57																					12
2/ 55																					7
TOTAL	1.6	6.0	7.7	9.6	14.3	14.3	15.2	10.9	8.8	5.8	3.3	1.5	1.0					930	930	930	930

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	3191263	52827	56.8	4.321	930			93.0	92.0	76.2	8.9	93
Wet Bulb	6751436	79056	85.0	5.792	930			92.5	58.7			93
Dew Point	4952296	67830	72.9	2.339	930			56.2	3.8			93

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

AD-A113 704

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
RANDOLPH AFB, SAN ANTONIO, TEXAS. REVISED UNIFORM SUMMARY OF SUR--ETC(U)
FEB 82

UNCLASSIFIED

USAFETAC/D5-82/012

SBI-AD-F850 152

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5 of 5

Page

5

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DATE
INDEXED
5-2
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GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

AUG
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb, Dew Point															
91/ 89									.2	.3	.1							6	6																
88/ 87						.2	.2	.4	.3	.4								15	15																
86/ 85			.1		.1	1.6	1.1	1.3	.3	.1								43	43																
84/ 83				.3	2.6	3.9	2.5	1.3	.3									101	101																
82/ 81			.2	3.1	6.7	4.2	1.9	.4										154	154	1															
80/ 79			2.5	6.5	5.7	3.7	.1	.3										174	174		1														
78/ 77		.8	4.4	4.3	4.9	.8	.3	.1										145	145	14															
76/ 75		.9	4.7	4.9	1.7	.3	.1											118	118	119	14														
74/ 73		1.7	6.7	2.4	.6	.1												107	107	279	79														
72/ 71		2.2	2.5	1.2	.1													55	55	248	179														
70/ 69		.2	.8		.1													10	10	179	247														
68/ 67		.2																2	2	61	194														
66/ 65																				25	122														
64/ 63																				3	49														
62/ 61																				1	25														
60/ 59																					14														
58/ 57																					4														
56/ 55																					2														
TOTAL		5.9	21.8	22.7	22.6	14.7	6.2	3.9	1.2	.9	.1							930	930	930	930														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	4954220	67064	72.1	11.276	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total																							
Dry Bulb	5766816	73134	78.6	4.105	930			93.0	86.3	41.7		93																							
Wet Bulb	4810991	66847	71.9	2.569	930			90.1	41.3	.1		93																							
Dew Point	4387460	63802	68.6	3.391	930			71.9	9.4			93																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
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
104/103														.0	.0			3	3		
102/101													.0	.1	.1			16	16		
100/ 99												.1	.2	.2		.0		38	38		
98/ 97											.2	.6	.6	.1	.0			115	115		
96/ 95									.6	1.1	1.1	.3						227	227		
94/ 93						.0	.1	.6	1.7	1.5	.5	.1	.0					338	338		
92/ 91						.1	.7	1.5	2.4	.7	.1							409	409		
90/ 89						.0	.5	2.1	2.4	.9	.3	.1						470	470		
88/ 87					.0	.3	1.9	2.2	1.3	.3	.1							454	454		
86/ 85			.0		.2	2.0	2.2	1.4	.4	.2								473	473		
84/ 83			.0	.3	1.8	2.4	1.4	.6	.1	.0								490	490		
82/ 81			.1	1.7	2.6	1.7	.9	.2	.0									540	540	3	
80/ 79		.1	2.3	3.0	2.0	1.6	.1	.0										679	679	27	2
78/ 77	.0	1.4	5.3	2.8	1.5	.4	.1	.0										863	863	412	13
76/ 75	.1	2.6	4.9	2.5	.8	.1	.0											817	817	1678	162
74/ 73	.1	2.6	4.3	1.6	.2	.0												661	661	2300	840
72/ 71	.0	2.9	3.1	.7	.1													497	497	1334	1342
70/ 69	.0	1.4	1.2	.1	.0													210	210	1015	1627
68/ 67		.7	.5	.0														89	89	428	1508
66/ 65		.4	.2															40	40	153	1093
64/ 63		.1	.0															8	8	70	441
62/ 61		.0	.0															3	3	17	236
60/ 59																				3	121
58/ 57																					40
56/ 55																					10
54/ 53																					5
TOTAL	.3	12.2	22.0	12.6	9.2	8.6	7.1	7.4	6.3	6.1	3.9	2.4	1.2	.5	.2	.0		7440	7440	7440	7440
Element (X)	Σ X ²		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.	36658120		504718		67.8	18.0	32	7440	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb	49703043		605419		81.4	7.6	73	7440			738.9	659.3	391.8	73.7	744						
Wet Bulb	39351344		540640		72.7	2.9	52	7440			719.7	442.0	.8		744						
Dew Point	35111373		510419		68.6	3.5	59	7440			549.4	101.7			744						

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

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

YEARS

SEP
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														
84/ 83							.1											1	1																
82/ 81			.1				.2											3	3																
81/ 79			1.1	.6		.2												17	17																
78/ 77		1.8	8.8	2.0	.2	.1	.1											117	117	1															
76/ 75		4.9	11.1	2.1	.2		.2											167	167	52	12														
74/ 73	.6	5.9	7.9	1.8		.3	.3											151	151	152	103														
72/ 71	.3	5.2	7.1	1.9	.3		.1											135	135	181	158														
70/ 69		3.6	4.3	1.1	.7	.1	.1											89	89	148	148														
68/ 67		2.1	1.0	1.3	.7		.1											47	47	84	129														
66/ 65		1.3	1.8	1.0	.1		.1											39	39	63	84														
64/ 63		1.8	1.4	.8	.1		.1											38	38	47	45														
62/ 61		1.1	.7	.8	.3	.3	.1											30	30	39	34														
60/ 59		.3	1.6		.4													21	21	39	32														
58/ 57		.6	1.6	.2	.1													22	22	17	40														
56/ 55		.3	.7	.6	.1													15	15	27	26														
54/ 53		.1	.1	.1														3	3	25	24														
52/ 51			.3															3	3	14	23														
50/ 49		.1	.1															2	2	5	12														
48/ 47																				6	1														
46/ 45																					19														
44/ 43																					5														
42/ 41																					4														
40/ 39																					1														
TOTAL	.9	29.1	49.7	14.2	3.3	1.1	1.1	.6											900	900	900														

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	6346426	75128	83.5	9.138	900							
Dry Bulb	4588239	64045	71.2	5.846	900			72.7	45.6	.9		90
Wet Bulb	4169539	61001	67.8	6.236	900			61.8	20.5			90
Dew Point	3950416	59268	65.9	7.263	900			55.0	11.5			90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

SEP
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																
79/79			.9	.2																												10	10			
78/77	.1	2.8	5.7	.1	.2	.1																										81	81	1	1	
76/75	.7	5.5	9.0	.6	.1																											142	142	59	24	
74/73	.7	6.7	6.7	1.0	.1	.2	.1																									139	139	135	95	
72/71	.8	7.0	5.7	.2	.2	.2																										127	127	150	155	
70/69	.2	7.7	4.9	.2	.6																											122	122	136	140	
68/67	.1	2.0	3.2	1.4	.1																											62	62	100	108	
66/65	.1	1.8	1.0	1.2	.2		.1	.2																								42	42	61	73	
64/63		1.7	1.3	.8	.1																											35	35	53	52	
62/61		2.0	1.2		.7																											35	35	37	35	
60/59	.1	1.1	1.7	.2	.3																											31	31	40	37	
58/57	.2	.8	1.4	.1	.2																											25	25	32	46	
56/55	.1	1.1	.8	.4	.2																											24	24	32	33	
54/53		.1	1.2	.1																												13	13	22	23	
52/51		.3	.3																													6	6	18	22	
50/49		.1	.3																													4	4	15	22	
48/47		.1																														1	1	6	2	
46/45																																			2	18
44/43																																				8
42/41																																				5
TOTAL	3.1	40.7	45.4	6.7	3.1	.6	.2	.2																								899	899	899	899	

Element (X)	Σx^2	Σx	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature						
						$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	6700485	77245	85.9	8.399	899							
Dry Bulb	4418383	62763	69.8	6.387	899			68.4	37.2	.3		90
Wet Bulb	4078821	60245	67.0	6.806	899			58.2	19.5			90
Dew Point	3899875	58809	65.4	7.670	899			52.4	12.0			90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ATR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

SEPT

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	
81			.1	.3			.1											5	5			
79			1.8	.9	.1		.1											26	26			
77	.1	2.6	6.1	1.1	.4		.1											94	94	3	1	
75	.7	5.8	10.0	.8	.1	.1												157	157	69	25	
73	.8	7.4	6.6	.6	.2	.1												141	141	160	108	
71	.7	5.9	4.3	1.2	.3													112	112	155	170	
69	.6	5.0	3.1	1.2	1.1													99	99	124	144	
67		3.1	2.2	1.3	.7													66	66	87	94	
65		2.2	1.1	1.3				.2										44	44	56	70	
63	.1	1.4	1.3	1.0	.8	.1	.2											45	45	59	46	
61		1.3	1.2	.6	.6													33	33	37	27	
59	.1	.7	1.6	.4	.4													29	29	38	51	
57	.2	.3	1.1															15	15	31	38	
55	.1	.7	.7	.2														15	15	29	34	
53		.1	.4	.3														8	8	27	23	
51		.3	.2	.1														6	6	7	21	
49		.1	.2															3	3	9	16	
47		.2																2	2	6	8	
45																				3	15	
43																					8	
41																					1	
TOTAL		3.3	37.2	42.1	11.4	4.8	.4	.7											900	900	900	
																		900		900		

Element (X)	Σx'	Σx	x̄	σ _n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	6586482	76590	85.1	8.740	900							
Dry Bulb	4519702	63499	70.5	6.269	900			70.0	42.3	1.4		90
Wet Bulb	4196395	60797	67.6	6.622	900			59.8	23.2			90
Dew Point	3950903	59247	65.8	7.508	900			58.2	13.9			90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

69-70,73-80 YEARS

SEP 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																		
94/ 93																																	2	2				
92/ 91																																	4	4				
90/ 89																																	17	17				
88/ 87																																	45	45				
86/ 85																																	79	79				
84/ 83																																	104	104				
82/ 81																																	138	138				
80/ 79																																	128	128	3	1		
78/ 77																																	99	99	42			
76/ 75																																	80	80	210	23		
74/ 73																																	65	65	230	116		
72/ 71																																	46	46	95	205		
70/ 69																																	38	38	60	152		
68/ 67																																	25	25	71	94		
66/ 65																																	14	14	64	51		
64/ 63																																	7	7	33	43		
62/ 61																																	6	6	28	42		
60/ 59																																	3	3	29	45		
58/ 57																																				22	35	
56/ 55																																			11	22		
54/ 53																																			2	15		
52/ 51																																				15		
50/ 49																																				14		
48/ 47																																				13		
46/ 45																																				6		
44/ 43																																				8		
TOTAL																																			900	900	900	
Element (X)	Σx²		Σx		x̄		s²		No. Obs.		Mean No. of Hours with Temperature						Total																					
Rel. Hum.	4290007		60931		67.713		5.995		900		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	90																					
Dry Bulb	5616082		70890		78.8		5.995		900				87.0	76.1	46.2	.2	90																					
Wet Bulb	4540395		63741		70.8		5.382		900				71.1	48.5	.2		90																					
Dew Point	4047107		60019		66.7		7.041		900				59.1	14.0			90																					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 SANDOLPH AFB TX STATION NAME

69-70,73-80 YEARS

SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
9/ 97														.3																		3	3				
6/ 95										.8	.9	.2	.3																			20	20				
4/ 93								.1	.9	1.6	1.1	.1	.1																			35	35				
2/ 91							.1	1.3	3.0	2.9	.4	.2	.4	.1																		77	77				
0/ 89						.1	1.8	5.1	4.3	1.3	.2	.3	.2	.1																		122	122				
8/ 87					.1	.7	5.3	4.0	2.0	.3	1.2	.1																				124	124				
6/ 85					.3	5.3	4.1	2.7	.4	1.8	.7	.2																				140	140				
4/ 83				.2	2.2	2.0	1.4	1.1	1.7	.6	.8	.1																				91	91				
2/ 81				.6	1.9	1.4	.8	1.1	.8	.3	.2	.3																				67	67	1			
0/ 79			.6	1.4	1.4	1.1	.6	.4	.6	.4	.2	.1																				62	62	7	1		
7/ 77		.1	.8	.9	.3	.6	.7	.2	.4	.6	.1																					42	42	85			
76/ 75		.2	.8	.9	.7	.1	.2	.7	.2	.7	.1																					41	41	247	8		
74/ 73		.2	.6	.6	.1	.6	.2	.2	.4	.1																						27	27	190	55		
72/ 71		.4	.6	.2	.1	.3																										15	15	98	147		
7/ 69		.7	.6	.7	.2	.2																										21	21	52	179		
66/ 67		.1	.1	.2																												4	4	91	134		
66/ 65			.1	.1	.2																											4	4	40	107		
64/ 63			.1			.1																										2	2	31	43		
62/ 61			.3																													3	3	25	35		
60/ 59																																		15	39		
58/ 57																																			16	39	
56/ 55																																	2	2	32		
54/ 53																																	1	1	20		
52/ 51																																				20	
50/ 40																																				11	
48/ 47																																				7	
46/ 45																																				7	
44/ 43																																				12	
42/ 41																																				4	
TOTAL		1.8	4.4	5.8	7.4	12.7	15.3	17.0	14.8	11.3	6.0	1.8	1.1	.6																			900	900	900		
																																				900	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	2863543	49167	54.6	14.053	900			89.1	85.1	71.4	5.8	90
Wet Bulb	6447901	75959	84.4	6.419	900			77.1	53.0	.1		90
Dew Point	4666386	64656	71.8	4.890	900			52.4	6.4			90

USAFETAC FORM 0-26-5 (OL A) REVISION 10/64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 SEP
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	>31	Dry Bulb
07/99															.2		2	2	
08/97											.3	.2	.2	.3	.1		11	11	
06/95										.4	1.3	1.9	.2				35	35	
04/93								.1	1.2	2.0	1.7	.2	.2	.2			51	51	
02/91							.1	.7	3.2	4.6	1.2	.4	.7	.1	.2		101	101	
07/89					.1		.7	4.1	5.2	2.0	.3	.7	.3	.1	.1		122	122	
08/87						.6	3.7	4.7	2.2	1.0	1.4	.9		.1			131	131	
06/85				.4	2.4	3.0	2.3	1.0	1.2	1.0	1.0	.1	.1				114	114	
04/83		.1	.3	.6	2.1	1.4	1.3	.4	.9	.4	.2						71	71	
02/81		.3	.7	.9	1.2	.7	.9	.2	1.1	.1	.6						60	60	1
07/79		.7	.7	.8	1.0	.4	.7	.4	.3	.4							49	49	6
07/77		.3	.7	.8		.7	.1	.3	.8	.4							37	37	63 3
06/75		.4	1.8	1.0	.2	.2	.7		.4	.4							47	47	205 8
04/73		.3	.3	.8		.1	.1		.1								16	16	232 38
02/71		.4	1.1	1.1	.3	.2	.1										30	30	109 103
07/69		.3	.4	.2	.2												11	11	69 135
06/67			.3	.2													5	5	80 175
06/65				.1		.2	.1										4	4	48 118
04/63																			37 76
02/61			.2														2	2	19 33
07/59			.1														1	1	19 46
05/57																			9 27
06/55																			2 38
04/53																			1 23
02/51																			34
05/49																			6
04/47																			10
03/45																			12
04/43																			8
02/41																			7
TOTAL		1.6	5.8	5.8	4.3	8.1	11.7	14.9	14.9	14.8	8.8	6.1	1.8	.9	.7		900	900	900

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	2632220	46692	51.9	15.278	900			89.3	34.7	72.1	9.9	90
Wet Bulb	6588208	76764	85.3	6.733	900			76.5	50.7	.1		90
Dew Point	4634415	64445	71.6	4.692	900			46.2	4.9			90
	3795817	58103	64.6	7.055	900							90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70, 73-80 YEARS SEP
STATION STATION NAME MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
96/ 95													.1	.1				2	2			
94/ 93												.1	.4	.2				7	7			
92/ 91										.3	.9	.1	.1	.1				14	14			
90/ 89								.2	1.2	1.6	.6	.1	.1					34	34			
88/ 87						.1	.6	2.1	1.7	.2			.1					43	43			
86/ 85					.2	2.4	3.7	1.7	.1	.6	.6							83	83			
84/ 83			.2	1.9	3.6	2.0	1.2	.3	.3	.4								90	90			
82/ 81			.2	1.2	3.7	3.4	1.6	.8	.3	.7								107	107			
80/ 79		.7	3.3	2.4	2.0	.9	1.0	.6	.4	.2								104	104	1		
78/ 77	.1	1.8	2.8	2.7	1.3	.6	1.0	.4	.1	.1								98	98	15		
76/ 75	1.1	4.1	2.4	1.7	1.1	.8	.8	.1	.3									106	106	94	11	
74/ 73	.9	1.9	1.3	.6	1.0	.8	.6	.1	.1									65	65	239	27	
72/ 71	1.0	1.8	1.2	.7	.7	.8	.3	.2										60	60	160	137	
70/ 69	.4	1.7	.6	.2	.6	.2		.1										34	34	105	143	
68/ 67	.2	.7	.6	.3	.4	.3	.1	.1										25	25	73	163	
66/ 65	.3	.2	.4	.1	.1	.1												12	12	60	118	
64/ 63			.2	.3	.3			.1										9	9	51	53	
62/ 61		.1			.2													3	3	41	43	
60/ 59	.1																	1	1	26	40	
58/ 57		.3																3	3	13	32	
56/ 55																				11	33	
54/ 53																			9	9	29	
52/ 51																				1	27	
50/ 49																				1	13	
48/ 47																					11	
46/ 45																					9	
44/ 43																					3	
42/ 41																					5	
40/ 39																					1	
38/ 35																					1	
32/ 31																					1	
TOTAL		4.2	13.4	14.3	14.1	17.3	12.4	10.8	6.1	4.3	2.0	.6	.2	.1				900	900	900	900	
Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total											
Rel. Hum.	3843322	57218	63.6	15.125	900	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
Dry Bulb	5640867	71017	78.9	6.422	900			87.2	75.3	44.2	.9	90										
Wet Bulb	4399901	62757	69.7	5.151	900			68.7	34.9			90										
Dew Point	3818595	58279	64.8	7.057	900			.1	48.1	3.8		90										

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 SEP
 STATION STATION NAME YEARS MONTH
 PAGE 1 2100-2300
 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
89																																1	1						
85																																3	3						
83																																16	16						
81																																40	40						
79																																98	98						
77																																120	120	5					
75																																172	172	39	6				
73																																128	128	208	52				
71																																98	98	172	174				
69																																66	66	137	164				
67																																52	52	76	136				
65																																29	29	51	91				
63																																23	23	64	42				
61																																25	25	40	40				
59																																12	12	29	36				
57																																10	10	32	32				
55																																4	4	17	33				
53																																2	2	11	24				
51																																1	1	13	27				
49																																		2	13				
47																																		3	12				
45																																	1	7					
43																																			4				
41																																			4				
31																																			3				
TOTAL																																				900	900	900	

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

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	5384357	68833	76.5	11.550	900			79.4	57.8	10.6		90
Wet Bulb	4883911	66101	73.4	5.688	900			63.7	25.2			90
Dew Point	4228333	61465	68.3	5.836	900			3	53.2	5.8		90
	3893581	58837	65.4	7.242	900							90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70, 73-80 YEARS SEP MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
10/ 99																																	2	2				
08/ 97																																		14	14			
06/ 95																																		57	57			
04/ 93																																		95	95			
02/ 91																																		196	196			
01/ 89																																		296	296			
08/ 87																																		343	343			
06/ 85																																		419	419			
04/ 83																																		373	373			
02/ 81																																		420	420	2		
01/ 79																																		494	494	17	2	
07/ 77																																		688	688	215	5	
05/ 75																																		912	912	975	117	
04/ 73																																		732	732	1546	594	
02/ 71																																		623	623	1120	1249	
01/ 69																																		480	480	831	1205	
08/ 67																																		286	286	662	1033	
06/ 65																																		188	188	443	712	
04/ 63																																		159	159	375	400	
02/ 61																																		137	137	266	289	
01/ 59																																		98	98	235	326	
07/ 57																																		75	75	171	289	
05/ 55																																		58	58	131	251	
04/ 53																																		26	26	98	181	
02/ 51																																		16	16	53	189	
01/ 49																																		9	9	32	107	
08/ 47																																		3	3	21	64	
06/ 45																																					6	93
04/ 43																																					56	
02/ 41																																					30	
01/ 39																																					2	
08/ 35																																					1	
02/ 31																																					4	

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												

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

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

SEP
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	.7	16.5	26.4	13.0	8.9	7.9	6.9	6.6	4.9	4.0	2.2	1.1	.4	.2	.1		7199	7199	7199	7199	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	38646850	5118J4	71.1	7.722	7199			643.1	504.2	247.1	16.8	720
Wet Bulb	42698293	551033	76.5	8.504	7199			536.9	275.5	.4		720
Dew Point	34864185	499107	69.3	6.022	7199			.4	420.6	71.8		720

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70, 73-80 YEARS OCT 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
80/ 79			.3	.3														6	6		
79/ 77			.9	.8	.1													16	16		
76/ 75		.6	2.2	.4	.1	.1												32	32	4	
74/ 73		2.9	2.4	.2				.1	.2									54	54	34	15
72/ 71		2.3	2.3	.4	.3	.3	.1		.1									54	54	53	44
70/ 69	.2	3.5	2.7	1.0	.4	.2		.2	.2									79	79	47	49
68/ 67	.1	4.5	3.8	.8	.5	.3	.1	.1										95	95	76	57
66/ 65	.1	3.5	3.0	1.6	.5	.1	.1	.1										85	85	76	74
64/ 63	.1	2.9	1.9	.8	.8	.2	.5											67	67	72	56
62/ 61	.4	3.3	2.0	1.2	1.4	.5	.4	.2										89	89	61	71
60/ 59		2.7	2.4	.6	.1	.1	.3											58	58	73	44
58/ 57		2.2	2.0	1.0	.1	.2	.2											53	53	58	65
56/ 55		1.2	.9	.5	.5	.2	.3	.1										35	35	73	65
54/ 53	.2	2.0	1.4	.9	.5		.1											48	48	50	47
52/ 51		1.9	1.7	.6			.1											41	41	44	50
50/ 49		1.8	1.6	.9	.3													43	43	49	41
48/ 47		1.3	.8	.3														22	22	59	48
46/ 45		.1	1.2															12	12	26	45
44/ 43	.3	.4	.8	.3														17	17	24	31
42/ 41		.6	.3															9	9	18	25
40/ 39		.2	.2															4	4	13	26
38/ 37		.9	.2															10	10	13	28
36/ 35			.1															1	1	5	25
34/ 33																				2	7
32/ 31																					11
30/ 29																					3
28/ 25																					3
TOTAL	1.5	39.0	34.9	12.6	5.8	2.4	2.4	.8	.4	.2								930	930	930	930
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	6185475	74841	80.5	13.234	930	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb	3659416	57732	62.1	9.019	930			33.6	10.8	.1		93									
Wet Bulb	3264345	54419	58.5	9.281	930			21.4	3.8			93									
Dew Point	2992059	51795	55.7	10.753	930			1.7	16.5	1.5		93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

OCT
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																				
79/ 79			.1	.2																												3	3							
78/ 77			.4	.9																													12	12						
76/ 75			.8	.9	.3																												18	18	4					
74/ 73			3.0	2.4	.1																												51	51	24	12				
72/ 71	.1	4.4	1.4	.8																														62	62	57	48			
70/ 69	.6	2.6	1.7	.8	.2	.3							.2																					60	60	58	66			
68/ 67	.3	5.2	1.3	.9									.2																						73	73	63	43		
66/ 65	.3	3.2	2.5	1.1	.2						.1		.2																						71	71	55	64		
64/ 63	.5	4.6	1.6	.1	.4	.3																														71	71	68	53	
62/ 61	.3	3.1	2.0	.3	.3						.3	.1																								61	61	64	56	
60/ 59	.4	3.1	1.9	1.5	.2	.4	.3	.1																												75	75	57	54	
58/ 57	.2	3.1	2.2	.4	.3	.2	.2																													62	62	61	60	
56/ 55		3.7	1.2	.8	.3	.1	.2																													58	58	59	55	
54/ 53		1.4	1.0	.5	.6	.2																														35	35	67	53	
52/ 51		3.0	1.4	.6		.2																														49	49	30	40	
50/ 49		2.9	1.8	.4	.4	.2																														54	54	59	50	
48/ 47	.1	1.8	.9	.5																																31	31	58	42	
46/ 45	.1	1.5	1.1	.1																																26	26	44	62	
44/ 43	.2	.6	.8	.1																																16	16	32	23	
42/ 41		.6	1.4	.2																																21	21	23	33	
40/ 39		.3	.4																																	7	7	21	22	
38/ 37		.8	.1																																	8	8	8	29	
36/ 35	.2	.1	.3																																	6	6	14	28	
34/ 33																																							3	12
32/ 31																																							1	15
30/ 29																																							5	5
28/ 27																																							5	5
TOTAL	3.5	49.9	28.7	10.6	3.1	2.0	1.2	.2	.6																											930		930		
																																				930		930		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	6613116	77550	83.4	12.543	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3465188	56074	60.3	9.522	930			27.9	8.4	.3		93
Wet Bulb	3151260	53356	57.4	9.849	930		.1	20.6	2.8			93
Dew Point	2931999	51165	55.0	11.227	930		2.5	16.9	1.8			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFB WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

OCT 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
81/ 81				.1														1	1		
79/ 79			.2	.1														3	3		
77/ 77			.6	.6														12	12		
75/ 75		.8	1.1	.1														18	18	5	
73/ 73		3.5	1.5	.1														48	48	24	15
71/ 71	.4	4.2	2.2	.8														70	70	61	51
69/ 69	1.0	4.1	1.4	.4	.2													66	66	63	62
67/ 67	.2	3.8	2.2	.8	.6	.3			.3									76	76	62	61
65/ 65	.4	5.2	1.5	.8	.3	.2	.1	.1	.1									81	81	56	46
63/ 63	.4	4.3	1.2	.4	.5	.1	.1	.2										68	68	85	69
61/ 61	.3	1.8	2.4	.9	.3	.4	.1											58	58	54	55
59/ 59	.2	3.9	1.8	.9	.1		.1											65	65	43	49
57/ 57	.2	2.4	1.5	.8	.2	.5	.3											55	55	74	52
55/ 55	.5	3.7	1.9	.9	.5	.3	.3											76	76	47	52
53/ 53		1.4	1.7	1.2	.5	.4	.2											51	51	70	49
51/ 51		1.5	1.4	.6			.1											34	34	46	54
49/ 49		2.5	1.7	.5		.3												47	47	41	54
47/ 47	.1	1.9	1.0	.3	.1	.1												33	33	60	35
45/ 45	.2	1.0	.8															18	18	49	57
43/ 43		.8	.5															12	12	28	33
41/ 41		1.2	.9	.1	.1													21	21	20	20
39/ 39		.4	.1															5	5	22	28
37/ 37		.4	.2															6	6	7	28
35/ 35		.3	.2															5	5	6	22
33/ 33	.1																	1	1	7	14
31/ 31																					11
29/ 29																					7
27/ 27																					4
25/ 25																					1
23/ 23																					1
TOTAL	4.2	48.9	28.0	10.3	3.7	2.8	1.4	.3	.4									930	930	930	930

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6553735	77123	82.9	13.045	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3519190	56552	60.8	9.300	930			29.4	8.2	.3		93
Wet Bulb	3194672	53746	57.8	9.767	930			21.5	2.9			93
Dew Point	2964040	51462	55.3	11.288	930		2.4	18.9	1.5			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

OCT
MONTH

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

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
88/ 87								.1										1	1		
86/ 85						.2	.3	.1		.1								7	7		
84/ 83					.1	.5	.2	.4	.5		.1							18	18		
82/ 81				.5	1.0	.9	.9	.4										35	35		
80/ 79			.4	1.7	2.2	1.0	1.2	.6	.1	.4	.1							72	72		
78/ 77		.1	1.4	3.2	1.9	1.6	1.4	.5	.4	.4	.1							102	102	1	
76/ 75		.5	2.0	1.4	1.8	1.7	1.0	.6	.4	.2	.1	.1						93	93	14	3
74/ 73		1.0	2.0	2.9	1.2	.8	1.2	.3	.5	.1		.2						95	95	81	12
72/ 71		1.4	1.4	2.3	1.3	1.2	.4	.9	.3	.2	.3							90	90	84	54
70/ 69	.1	1.1	2.3	.6	1.1	.9	1.4	.8	.1	.2								79	79	91	85
68/ 67		1.1	2.0	.4	1.0	.9	.9	.5	.2	.3	.1							69	69	91	72
66/ 65		2.3	.8	1.1	.2	1.3	.8	.8	.5	.1								72	72	95	74
64/ 63	.1	.8	.6	.8	1.1	.5	.8	.5	.3	.2								53	53	79	78
62/ 61	.1	.3	.3	.5	1.1	.6	.2	.4	.1									35	35	62	70
60/ 59	.1		.5	.5	.4	.5	.6	.2										28	28	56	54
58/ 57		.1	.5	.4	.6	.6	.4											26	26	54	51
56/ 55		.5	.1	.1	.2	.4	.1	.1										15	15	45	45
54/ 53		.3	.3	.3	.3	.1	.1											13	13	49	30
52/ 51		.5	.3		.2	.1												11	11	33	30
50/ 49		.1	.1	.3														5	5	37	50
48/ 47		.1		.2	.2													5	5	26	45
46/ 45		.4																4	4	15	40
44/ 43		.2																2	2	13	14
42/ 41																				4	29
40/ 39																					19
38/ 37																					24
36/ 35																					16
34/ 33																					11
32/ 31																					12
30/ 29																					5
28/ 27																					4
26/ 25																					1
24/ 23																					1
22/ 21																					1
Element (X)	Z _X ¹	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

OCT
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point												
TOTAL	.4	10.9	15.3	17.2	15.9	13.8	11.8	7.0	4.1	2.4	.9	.3	.1																	930	930	930

Element (X)	ΣX^2	ΣX	X	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	4237130	60566	65.1	17.753	930			66.1	42.3	9.1		93
Wet Bulb	3721199	58339	62.7	8.142	930			36.2	9.6			93
Dew Point	3155622	53169	57.2	11.197	930		2.4	22.6	1.5			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

OCT
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
96/ 95																		2	2		
94/ 93																		1	1		
92/ 91																		9	9		
90/ 89																		24	24		
88/ 87																		26	26		
86/ 85																		78	78		
84/ 83																		102	102		
82/ 81																		110	110		
80/ 79																		115	115		
78/ 77																		79	79	6	
76/ 75																		70	70	34	3
74/ 73																		52	52	93	10
72/ 71																		62	62	90	27
70/ 69																		46	46	108	47
68/ 67																		48	48	112	92
66/ 65																		26	26	81	78
64/ 63																		18	18	75	69
62/ 61																		15	15	64	75
60/ 59																		11	11	46	73
58/ 57																		10	10	51	37
56/ 55																		9	9	48	64
54/ 53																		3	3	41	37
52/ 51																		4	4	36	37
50/ 49																		4	4	17	55
48/ 47																		2	2	15	34
46/ 45																		1	1	4	32
44/ 43																		3	3	9	35
42/ 41																					28
40/ 39																					17
38/ 37																					17
36/ 35																					16
34/ 33																					13
32/ 31																					12
30/ 29																					10
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

OCT
MONTH

PAGE 2 1200-1800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
26 / 27																						3
26 / 25																						3
24 / 23																						1
22 / 21																						1
20 / 19																						1
TOTAL	.2	4.1	5.8	4.3	7.6	13.1	14.7	15.4	13.9	9.8	6.2	2.7	1.4	.6	.1			930		930	930	
																		930		930		

Element (X)	$\sum X$	$\sum X^2$	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2761321	48013	51.6	17.440	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	5530278	71284	76.6	8.454	930			82.4	66.8	41.1	.3	93
Wet Bulb	3908771	59879	64.5	7.582	930			44.3	13.3			93
Dew Point	3038190	52134	56.1	11.158	930		3.4	17.9	1.3			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80 YEARS

OCT 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																						
96/ 95																																		3	3							
94/ 93																						.3												4	4							
92/ 91																						.1	.2	.4	.5									12	12							
90/ 89																						.1	.6	.1	.5										40	40						
88/ 87																						.8	1.7	1.0	.6	.1	.2	.4								46	46					
86/ 85																						.5	1.6	2.3	1.3	1.1	.5	.3	.4	.2						77	77					
84/ 83																						.5	1.4	1.9	3.1	1.7	2.6	1.6	.6	.1	.2					127	127					
82/ 81																						.1	.5	.8	2.8	2.0	1.7	1.8	.5	.5	.2					103	103	1				
80/ 79																						.1	.2	.4	1.0	1.3	1.5	1.7	1.2	1.6	.3					90	90					
78/ 77																						.2	.1	1.0	1.0	.8	1.4	1.1	.8	1.2	.1	.2	.1			73	73	1				
76/ 75																						.4	.5	.6	1.2	.5	.8	.8	1.0	.2	.1	.1				58	58	27				
74/ 73																						.1	1.2	.9	.4	.6	.2	.6	1.1	1.0	1.6	.5				77	77	72	3			
72/ 71																						.2	.5	.1	.9	.3	.5	.6	.6	.6	.4					46	46	98	19			
70/ 69																						.5	1.2	.2	.4	.3	.5	.4	.2	.4						40	40	104	31			
68/ 67																						.5	.1	.1	.9	.8	.4	1.0	.1	.4	.1						41	41	124	75		
66/ 65																						.2	.1	.5	.4	.3	.1	.2	.2	.1							21	21	92	82		
64/ 63																						.6	.2	.3	.2	.2	.2	.5									23	23	85	70		
62/ 61																						.2	.3	.1	.2	.4	.2	.3									17	17	63	66		
60/ 59																						.1				.3											4	4	60	66		
58/ 57																								.1		.1											2	2	48	58		
56/ 55																									.2												4	4	34	63		
54/ 53																						.6	.2		.1	.1											10	10	49	57		
52/ 51																						.3	.2	.1													6	6	31	51		
50/ 49																							.1	.2													3	3	24	56		
48/ 47																																								6	32	
46/ 45																																								4	37	
44/ 43																						.3																3	3	8	25	
42/ 41																																										38
40/ 39																																										17
38/ 37																																										12
36/ 35																																										12
34/ 33																																										19
32/ 31																																										15
30/ 29																																										11
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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

OCT
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
4/ 83					.1																												1	1			
52/ 81					.1	.1																												2	2		
61/ 79			.1	.4	.3		.1								.1																		10	10			
76/ 77			1.5	1.0	.2					.1																							26	26			
76/ 75		.9	2.2	1.6	1.2	.6	.1	.3			.1																						65	65	3		
74/ 73		1.0	1.8	2.6	1.2	.9	.9			.1																							78	78	39	12	
72/ 71		1.8	2.6	2.8	.9	.3	.2																										80	80	37	31	
70/ 69		2.3	4.1	1.5	1.1	1.0	.8	.3	.1																								103	103	66	44	
68/ 67		1.2	3.7	1.3	1.2	.4	.3	.1	.1																								77	77	89	70	
66/ 65		1.9	2.9	1.5	.8	1.3	.4	.2	.1																								85	85	88	71	
64/ 63		1.3	1.8	2.3	1.3	.2	.1	.2																									67	67	76	62	
62/ 61		2.0	1.7	2.0	.4	.5	.2	.1	.1																								67	67	71	79	
60/ 59		.6	2.3	1.0	.4	1.0	.2	.3																									54	54	72	56	
58/ 57		1.4	1.4	.4	.8	.8	.3	.2																									49	49	72	58	
56/ 55		.5	1.1	.8	1.1	.2																											34	34	72	68	
54/ 53		1.5	1.2	.3	.3	.3																											34	34	36	63	
52/ 51		1.6	1.3	.5	.6	.1																											39	39	47	41	
50/ 49		.3	.6	.8																													16	16	50	55	
48/ 47		.6	.5	.6																													17	17	34	45	
46/ 45		.3	.5	.3																													11	11	34	30	
44/ 43	.3		.2	.1																													6	6	24	27	
42/ 41		.1	.1																														2	2	9	31	
40/ 39		.4	.3																														7	7	4	24	
38/ 37																																				5	26
36/ 35																																			2	17	
34/ 33																																				5	
32/ 31																																				9	
30/ 29																																				3	
28/ 27																																				2	
26/ 25																																				1	
TOTAL	.3	19.9	31.9	21.8	11.9	7.7	3.7	1.8	.6	.1	.1																						930	930	930	930	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	5150165	69291	74.514	2.08	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3960889	60177	64.7	8.495	930			44.2	18.2	.6		93
Wet Bulb	3381648	55520	59.7	8.503	930			23.4	4.2			93
Dew Point	3011403	52057	56.016	2.45	930			1.5	15.7	1.2		93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION STATION NAME

69-70, 73-80 YEARS

OCT MONTH

PAGE 1

ALL HOURS (L. 9. T. 7)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	x 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
96/ 95										.0					.0			5	5																
94/ 93										.0				.0	.0			5	5																
92/ 91										.0	.0	.0	.1	.1				22	22																
90/ 89					.0			.1	.2	.3	.2	.1	.1					65	65																
88/ 87					.0			.0	.2	.3	.2	.2	.1	.0	.1	.0		77	77																
86/ 85					.0	.2	.5	.6	.4	.3	.1	.1	.1	.1				173	173																
84/ 83			.0	.0	.2	.5	.6	.8	.6	.4	.3	.1	.0					263	263																
82/ 81			.0	.1	.5	.5	.9	.6	.5	.4	.2	.1	.0	.1				289	289	1															
80/ 79			.2	.6	.7	.9	.7	.6	.5	.3	.4	.1		.1				373	373																
78/ 77		.0	.7	.9	.8	.7	.5	.6	.5	.3	.3	.0	.0	.0				396	396	8	1														
76/ 75		.5	1.2	.8	.9	.8	.6	.5	.3	.4	.1	.0	.0					445	445	94	6														
74/ 73		1.5	1.6	1.3	.7	.5	.6	.3	.5	.3	.2	.1	.0					553	553	413	83														
72/ 71	.1	1.9	1.6	1.2	.6	.6	.4	.3	.4	.3	.2	.1	.0					550	550	527	293														
70/ 69	.2	2.0	1.9	.7	.6	.6	.6	.4	.3	.1	.1							566	566	632	434														
68/ 67	.1	2.2	1.8	.7	.8	.5	.3	.3	.2	.2	.1							540	540	731	519														
66/ 65	.1	2.2	1.5	1.0	.5	.6	.3	.3	.3	.1	.0							511	511	629	580														
64/ 63	.1	1.9	1.0	.7	.7	.3	.3	.3	.1	.0								423	423	637	527														
62/ 61	.1	1.5	1.2	.7	.6	.5	.2	.3	.1									391	391	509	557														
60/ 59	.1	1.4	1.2	.6	.2	.4	.3	.1	.0									322	322	487	447														
58/ 57	.1	1.2	1.1	.4	.3	.4	.2	.1										275	275	482	435														
56/ 55	.1	1.3	.8	.4	.4	.2	.2	.0										250	250	425	488														
54/ 53	.0	1.0	.8	.5	.3	.2	.1											209	209	410	400														
52/ 51		1.2	.8	.4	.1	.1	.0											200	200	305	355														
50/ 49		1.0	.8	.4	.1	.1												177	177	318	412														
48/ 47	.0	.7	.4	.3	.1	.0												111	111	283	322														
46/ 45	.1	.4	.5	.1														75	75	193	332														
44/ 43	.2	.3	.3	.1														61	61	145	211														
42/ 41		.3	.3	.0	.0													53	53	78	237														
40/ 39		.2	.1															23	23	60	175														
38/ 37		.3	.1															24	24	33	180														
36/ 35	.0	.1	.1															12	12	27	145														
34/ 33	.0																	1	1	12	94														
32/ 31																				1	101														
30/ 29																					49														
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																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

OCT
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
24 / 27																					28	
24 / 25																					14	
24 / 23																					8	
22 / 21																					6	
21 / 19																					1	
TOTAL	1.4	23.0	20.0	11.9	9.1	8.5	7.4	6.3	4.9	3.5	2.3	.9	.4	.3	.1			7440		7440		
																		7440		7440		

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	37996536	509984	68.5	20.212	7440	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	35140358	504928	67.9	10.830	7440			432.2	266.6	108.0	1.0	744
Wet Bulb	28105059	452417	60.8	8.937	7440		.1	240.6	51.6	.1		744
Dew Point	23996570	414682	55.7	10.898	7440		20.7	133.6	9.0			744

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
 STATION STATION NAME

69-70, 73-80 YEARS

NOV 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															
74/ 73			1.3																										12	12					
72/ 71	.2	2.7	1.8																										42	42	13	3			
71/ 69	.1	1.7	1.2								.1																		28	28	40	28			
67/ 67		1.3	.9	.1					.1	.1																		24	24	27	35				
66/ 65	.3	3.0	2.3		.1			.2																				54	54	24	32				
64/ 63	.4	2.1	.3	.3		.2																						31	31	53	24				
62/ 61	.2	3.1	.3	.2			.1	.1																				37	37	29	49				
60/ 59		3.6	1.2	.4	.1	.1																						49	49	35	26				
57/ 57	.2	2.8	2.1	.2		.3																						51	51	40	40				
57/ 55	.3	2.7	2.6	.2	.3		.1																					56	56	48	35				
54/ 53	.2	3.1	2.0	.6	.6																							58	58	48	36				
52/ 51	.3	3.0	1.6	.6	.6	.2	.2																					58	58	70	51				
50/ 49	.6	1.7	2.1	1.3	.6	.6	.1																					62	62	43	50				
47/ 47		1.9	2.7	1.6	.4	.1																						60	60	40	53				
46/ 45	.3	1.3	1.1	.6	.7																							36	36	60	27				
44/ 43	.1	1.3	1.2	.7	.1	.4																						35	35	45	32				
42/ 41	.4	1.9	2.1	.4	.2	.1																						47	47	53	46				
41/ 39	.3	2.2	1.2	.1	.1	.1																						37	37	41	38				
37/ 37	.1	1.6	1.3	.4	.1																							32	32	48	45				
37/ 35	.1	1.6	1.3	.8																								34	34	34	47				
34/ 33		1.2	.7	.3																								20	20	36	34				
32/ 31		.7	.4																									10	10	24	33				
29/ 29	.2	.4	.3																									9	9	20	39				
28/ 27	.1	.1	.4	.2																								8	8	11	24				
26/ 25		.4	.3																									7	7	6	18				
24/ 23		.1																										1	1	6	13				
22/ 21	.1																											1	1	5	14				
20/ 19	.1																											1	1	1	9				
17/ 17																																6			
16/ 15																																5			
14/ 13																																3			
11/ 11																																1			
9/ 9																																3			
7/ 7																																1			
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX

69-70, 73-80 YEARS

NOV 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
74/ 73		.1	.4															5	5	
72/ 71		2.0	1.3															30	30	7
71/ 69		2.0	1.0															27	27	37
68/ 67		1.3	1.9															29	29	18
66/ 65	.3	3.8	1.7	.1	.1									.1				55	55	27
64/ 63	.6	2.9	.8	.2	.1									.1				42	42	61
62/ 61		3.3	.4		.1	.2								.1				38	38	34
61/ 59	.1	4.3	1.0	.1	.3									.1				54	54	43
57/ 57		3.2	1.8	.3	.1	.4	.1			.2								56	56	43
56/ 55	.1	2.7	1.2	.3	.2	.1												42	42	40
54/ 53	.2	3.7	1.9	.9	.3													63	63	47
52/ 51	.4	2.9	1.4	1.1	.2													55	55	57
51/ 49	.3	2.4	1.6	.4	.7	.4												53	53	46
48/ 47	.1	2.9	1.7	1.2	1.0	.2												64	64	50
46/ 45	.2	2.4	1.1	.8	.2	.3	.1											47	47	66
44/ 43	.2	1.1	2.2	1.0	.1	.2												44	44	41
42/ 41		1.8	1.1	.7	.1													33	33	40
41/ 39	.2	1.7	1.8	.4	.2	.2	.1											42	42	52
38/ 37	.2	1.9	1.1	.4	.1													34	34	44
36/ 35		1.4	.9	.2														23	23	42
34/ 33	.1	1.0	1.3	.3														25	25	30
32/ 31	.1	.6	.4	.1														11	11	23
31/ 29		.6		.1														6	6	18
28/ 27	.2	.7	.2															10	10	15
26/ 25		.2																2	2	4
24/ 23		.3	.2															5	5	5
22/ 21		.3																3	3	4
20/ 19	.1	.1																2	2	5
18/ 17																				1
16/ 15																				7
14/ 13																				1
12/ 9																				4
6/ 5																				2

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 69-70.73-80 YEARS NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	3.7	51.7	28.6	8.9	4.0	2.2	.3		.3	.3								900	900	900	900

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	6043167	72617	80.7	14.307	900							90
Dry Bulb	2538478	46688	51.9	11.384	900		3.9	9.1	.5			90
Wet Bulb	2284594	44088	49.0	11.786	900		7.5	6.2				90
Dew Point	2062325	41219	45.8	13.934	900		17.7	5.0				90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
82/ 81					.1					.1																							2	2			
79/ 79			.1		.1	.3		.2		.2																							9	9			
77/ 77			.2	.8	.6	.2	.1																										17	17			
76/ 75		.1	.2	.3	.6	.7	.7	.3		.1																							27	27	1		
74/ 73		.7	1.8	1.4	.6	.4	.1	.4	.2																								51	51	7	2	
72/ 71		.4	2.0	1.1	1.1	.7	.2	.3	.1	.1	.1																						56	56	23	7	
70/ 69		1.0	2.4	.6	1.0	.4	.7		.2	.2																							59	59	33	21	
68/ 67		1.2	2.6	1.0	1.0	.2	.4	.1	.7																								65	65	53	38	
66/ 65		1.4	.9	.9	.6	.3	.2	.6	.3	.1																							48	48	62	45	
64/ 63	.1	1.3	1.9	.8	.6	1.0	.3	1.0	.1	.1																							65	65	59	44	
62/ 61	.3	1.9	.8	.6	.9	.2	1.2	.3	.2	.1																							59	59	45	46	
60/ 59		1.3	1.0	.6	1.0	.6	.8	.6	.6																								57	57	66	47	
58/ 57	.1	1.2	1.2	.7	1.1	1.1	.6	.7	.3	.1																							64	64	36	53	
56/ 55	.1	1.3	1.3	1.2	1.7	.9	.6	.3	.2																								69	69	44	39	
54/ 53		1.2	1.1	1.6	.6	.8	1.0	.2																									58	58	51	39	
52/ 51		1.0	.6	.4	1.0	.8	.8	.3																									44	44	65	43	
50/ 49		.6	1.3	.8	1.2	.9	.3																										46	46	61	35	
48/ 47		1.0	.3	.6	.7	.2	.2																										27	27	60	32	
46/ 45		.2	.6	.7	.2	.3		.2																									20	20	51	37	
44/ 43		.1	.3	.7	.2	.6																											17	17	41	39	
42/ 41		.3	.3	.2	.2	.2	.2																										14	14	49	45	
40/ 39		.3	.1		.3	.2																											9	9	34	27	
38/ 37		.3			.1																												4	4	17	31	
36/ 35	.1	.1	.1	.1		.1																											5	5	13	49	
34/ 33	.1	.2		.1																													4	4	11	31	
32/ 31																																				7	36
30/ 29			.2																														2	2	6	17	
28/ 27		.2																															2	2	1	21	
26/ 25																																				4	12
24/ 23																																					13
22/ 21																																					12
20/ 19																																					13
18/ 17																																					13
16/ 15																																					6
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																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

YEARS

NOV
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															
88/ 87															.1																1	1			
86/ 85												.2	.1	.1	.1									.1							6	6			
84/ 83							.2	.3	.3	.2	.3												.1		.1						14	14			
82/ 81				.1	.3	1.1	1.1	.6	.8	.3														.2							41	41			
80/ 79				.2	1.1	2.1	1.0	2.0	.4	.2	.2	.3	.2											.2						71	71				
78/ 77			.1	.8	2.1	1.8	1.9	1.0	.8	.1	.7														.2						80	80			
76/ 75			.3	1.1	1.2	1.0	.7	1.0	.7	.2	.2	.6	.1												.1					64	64	3			
74/ 73		.1	.4	1.1	1.3	.8	.2	.7	.9	.6	.6	.1																		61	61	15	2		
72/ 71			.2	1.1	.9	1.1	.2	.9	.9	1.0	.3																			60	60	36	5		
70/ 69			.9	.8	.8	1.0	.6	.8	1.1	.3	.1	.1																		58	58	65	17		
68/ 67		.2	.1	.3	.4	.4	.7	.7	.9	.7	.3																			43	43	74	32		
66/ 65		.1	.1	.3	.6	.3	.4	.9	.6	1.0	.2																			41	41	75	56		
64/ 63		.4	.3	.6	.4	.8	.7	1.1	.6	.2																				52	52	41	35		
62/ 61		.3	.1	.6	.7	.6	.6	.9	1.2	.6	.2																			51	51	49	61		
60/ 59		.6	.4	.6	.3	1.1	.7	1.8	.9																					57	57	42	37		
58/ 57		.4	.4	.2	.9	.6	.8	.4	.9																					42	42	47	47		
56/ 55		.8	.9	.3	.8	.8	.4	.4	.2																					42	42	56	47		
54/ 53		.3	.6	.8	.2	.2	.6	.2																						24	24	66	40		
52/ 51		.3	.1	.2	.2	.2	.2	.6																						17	17	53	32		
50/ 49		.3	1.0	.2	.3	.2	.4	.2	.1																					26	26	57	42		
48/ 47		.3		.2		.1	.1	.3																						10	10	57	19		
46/ 45		.4	.3	.3		.1	.1	.1																						13	13	53	36		
44/ 43		.2	.4	.2	.2		.3																							13	13	35	49		
42/ 41		.2	.1			.1																								4	4	23	47		
40/ 39		.1				.1																								2	2	21	30		
38/ 37		.1																												1	1	12	26		
36/ 35	.1	.2																												3	3	7	46		
34/ 33			.1																											1	1	6	35		
32/ 31			.1																											1	1	3	31		
30/ 29			.1																											1	1	3	29		
28/ 27																																1	1	16	
26/ 25																																	1	12	
24/ 23																																	1	14	
22/ 21																																	1	21	
Element (X)	Σ X ²	Σ X	Σ	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 34-44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70.73-80
YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
2 / 19																																							11
16 / 17																																							5
16 / 15																																						4	
14 / 13																																						8	
12 / 11																																						2	
7 / 7																																						2	
5 / 5																																						2	
4 / 3																																						1	
2 / 1																																						1	
TOTAL	.1	5.7	7.3	10.1	12.7	14.4	11.7	15.0	11.8	6.0	3.2	1.2	.7	.1																					900	900	900		

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

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	
Dry Bulb	2798791	46955	52.2	19.704	900		.2	49.9	33.8	9.8		90
Wet Bulb	4149254	60342	67.0	10.731	900		.7	19.3	1.8			90
Dew Point	2967391	50875	56.5	10.091	900		15.9	5.6	.2			90
	2185095	42355	47.1	14.607	900							

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 69-70, 73-80 YEARS NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb		Dew Point		
87/ 87									.1	.1		.2		.2					6	6			
86/ 85								.6	.9	.3	.1		.1	.2					18	18			
84/ 83						.1	.4	.8	.6	.2	.4	.1				.1			25	25			
82/ 81					.3	.7	1.6	1.1	1.1	.1	.3	.6							52	52			
80/ 79				.4	.6	1.6	1.2	1.9	1.3	.2	.1	.3	.4	.1					74	74			
78/ 77				.2	1.9	2.0	1.1	.9	.7	.4	.7	.1	.2	.1					74	74			
76/ 75	.1			.7	.9	1.4	.9	1.0	1.0	.7	.6	.6	.4						74	74			
74/ 73		.1	1.2	.3	1.2	.7	.9	.8	1.0	.3	.3								62	62	13	1	
72/ 71		.1	.6	.4	.8	1.3	.2	.7	.3	.1	.2								43	43	30	5	
70/ 69		.3	.3	.4	1.1	.4	.8	1.3	1.3	.4	.1								60	60	70	5	
68/ 67		.4	.2	.6	.3	.4	.9	.8	.3	.7									42	42	74	24	
66/ 65		.1	.1	.4	.9	.6	.7	.3	1.2	.6									44	44	68	48	
64/ 63	.4	.1	.3	.2	1.0	.6	.7	1.7	.6	.3									53	53	50	36	
62/ 61	.2	.7	.7	.9	.3	.7	.6	.7	.7	.1									52	52	52	67	
60/ 59		.3	.2	.3	.2		1.1	1.2	.1	.1									33	33	54	32	
58/ 57	.3	.2	.2		.8	.3	1.0	.3											29	29	41	48	
56/ 55	.9	1.0	.4	.9	.4	.4	.4	.3											44	44	71	53	
54/ 53	.6	.3	.1	.2	.6	.4	.4	.2											22	22	66	46	
52/ 51	.3	1.1	.4	.2		.4	.1	.2											26	26	52	39	
50/ 49	.1	.4	.1	.4	.1	.3	.6	.2											21	21	45	39	
48/ 47	.4	.1	.6	.1		.1	.2												14	14	60	36	
46/ 45	.4	.2				.1	.1												8	8	43	34	
44/ 43	.1	.3	.4		.1	.1													10	10	39	5	
42/ 41	.7	.1																	7	7	21	48	
40/ 39	.1																		1	1	20	30	
38/ 37																					15	34	
36/ 35	.1	.2		.1															4	4	6	26	
34/ 33			.1	.1															2	2	7	40	
32/ 31																						34	
30/ 29																					3	25	
28/ 27																						21	
26/ 25																						20	
24/ 23																						18	
22/ 21																						16	
Element (X)	Z ₁	Z ₂	X	Q ₂	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≥ 93 F	Total											
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 NOV
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
20 / 19																					16
18 / 17																					2
16 / 15																					2
14 / 13																					6
12 / 11																					7
10 / 9																					1
8 / 7																					1
6 / 5																					2
4 / 3																					3
TOTAL	.3	5.4	6.2	7.8	8.7	13.7	11.8	14.9	14.4	7.7	4.9	2.6	1.2	.3	.1			900	900	900	
																		900	900		

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2557958	44500	49.4	19.947	900			53.0	38.5	13.3		90
Wet Bulb	4285396	61310	68.1	11.002	900			.3	18.7	1.3		90
Dew Point	2973575	50977	56.6	9.791	900			17.4	3.5	.1		90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

NOV
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															
81						.1		.1																								2	2		
79					.1	.2				.2		.1																				6	6		
77				.4	.4	.3	.1	.2	.1																							15	15		
75		.3	.7	.6	1.2	.6	.8	.1	.1																							39	39		
73			.8	3.0	1.0	1.0	.6	.1	.1		.1										.1											60	60	4	
71		.4	1.2	1.7	1.2	1.0	.1	.2	.1	.2											.1											57	57	15 6	
69			1.3	1.2	1.7	.2	.1	.3	.1		.1										.1											46	46	34 8	
67			1.1	1.1	1.8	.8	.8	.9	.1	.2																						61	61	42 27	
65		.6	1.2	1.7	.8	.6	.8	.4	.3																							57	57	47 35	
63		.7	1.7	1.4	1.2	1.0	.7	.2	.2	.1																						65	65	55 31	
61		2.1	.7	1.6	.9	.8	1.1	.6	.4	.1																						74	74	62 44	
59		.3	1.0	1.8	.9	1.2	.4	.7	.2																							59	59	72 53	
57		.6	1.0	1.4	1.0	.9	.6	.2	.1																							52	52	38 53	
55		.6	1.7	.8	1.2	.9	1.1	.9	.1																							65	65	57 63	
53		.3	.8	.8	1.0	.8	1.0	.3																								45	45	65 42	
51		.6	.8	.8	.9	.4	1.3	.1																								44	44	62 30	
49		.7	1.3	.9	.6	.4	.3	.1																								36	36	52 43	
47		.2	.7	.8	1.0	.7	.2	.1																								33	33	52 50	
45		.7	.1	.4	.8	.3	.3																									24	24	53 39	
43			.4	.3	.1	.1	.2																									11	11	43 40	
41		.2	.6	.4	.3	.3	.2																									19	19	40 37	
39		.2	.4	.4	.2		.2																									14	14	35 44	
37			.4			.1	.1																									6	6	31 35	
35		.2			.2																											4	4	12 39	
33		.1		.1	.1																											3	3	13 24	
31				.1	.2																											3	3	3 20	
29																																			8 34
27																																		4 19	
25																																		1 20	
23																																			26
21																																		9	
19																																		4	
17																																		3	
15																																		9	
Element (X)	Σ X ²	Σ X	Σ	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																																			

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

722536 RANDOLPH AFB TX 69-70.73-80 NOV
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
14/ 13																																							4	
12/ 11																																							3	
7/ 7																																							3	
5/ 5																																							2	
3/ 3																																							1	
TOTAL	.3	.9	.3	1.7	.3	2.1	.9	1.8	.2	1.2	.8	1.1	.0	5.7	2.1	.9	.2	.2																			900	900	900	
																																						900	900	

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3799904	56114	62.3	18.306	900							
Dry Bulb	3397909	54557	60.6	10.046	900		.3	28.6	12.2	.5		90
Wet Bulb	2667470	48142	53.5	10.133	900		1.6	9.5	.4			90
Dew Point	2123435	41909	46.6	13.829	900		15.7	4.1				90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536
STATION

RANDOLPH AFB TX
STATION NAME

69-70, 73-80
YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7																					2
TOTAL	1.1	25.1	34.9	19.7	9.9	6.8	2.0	.3	.2									900	900	900	900
																		900		900	

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5099092	66300	73.7	15.464	900							90
Dry Bulb	2889715	50101	55.7	10.584	900		1.6	16.1	3.3			90
Wet Bulb	2479626	46194	51.3	10.993	900		4.0	8.9	.1			90
Dew Point	2143863	42215	46.9	13.496	900		14.3	5.9				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 YEARS 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
86/ 87								.0	.0		.0		.0				7	7		
86/ 85								.1	.1		.0		.0				24	24		
84/ 83						.0	.1	.1	.1	.1	.0				.0		39	39		
82/ 81				.0	.1	.2	.3	.2	.2	.1	.0	.1	.0				97	97		
80/ 79			.0	.1	.2	.5	.3	.5	.2	.1	.0	.1	.1	.0			160	160		
79/ 77			.0	.3	.6	.5	.4	.3	.2	.1	.2	.0	.0				186	186		
76/ 75	.1	.2	.4	.5	.5	.4	.3	.2	.1	.1	.1	.1					211	211	41	
74/ 73	.3	1.0	.9	.4	.4	.2	.3	.3	.2	.1	.1						304	304	42	5
72/ 71	.3	1.2	1.3	.6	.5	.4	.3	.2	.2	.2	.1	.0					362	362	150	42
70/ 69	.0	1.0	1.3	.4	.5	.4	.2	.3	.3	.2	.1	.0					346	346	357	136
68/ 67	.8	1.4	.5	.6	.2	.3	.3	.3	.2	.1							345	345	363	265
66/ 65	.1	1.5	1.2	.6	.4	.3	.3	.2	.3	.1							366	366	344	311
64/ 63	.2	1.8	1.0	.6	.4	.6	.3	.3	.4	.2	.1						416	416	413	259
62/ 61	.1	2.0	.8	.7	.4	.3	.5	.3	.3	.2	.0						415	415	366	399
60/ 59	.0	2.1	1.2	.6	.4	.6	.3	.5	.4	.0	.0						444	444	406	298
58/ 57	.0	1.6	1.4	.7	.8	.6	.3	.3	.2	.0							434	434	352	386
56/ 55	.1	1.6	1.6	.7	.8	.5	.4	.3	.1								439	439	419	366
54/ 53	.1	1.7	1.2	.9	.6	.4	.3	.2	.0								387	387	440	335
52/ 51	.2	1.4	1.1	.7	.6	.3	.4	.1	.0								354	354	475	333
50/ 49	.1	1.1	1.4	.8	.6	.4	.2	.1	.0								349	349	421	343
48/ 47	.0	1.3	1.0	.9	.5	.3	.1	.1									303	303	436	324
46/ 45	.1	.9	.8	.6	.4	.2	.1	.1									227	227	439	284
44/ 43	.1	.6	.8	.6	.2	.2	.1										189	189	331	322
42/ 41	.1	.9	.8	.4	.2	.1	.1										182	182	306	348
40/ 39	.2	.9	.7	.2	.1	.1	.0										160	160	278	293
38/ 37	.1	.8	.6	.3	.1	.0											127	127	236	283
36/ 35	.1	.6	.5	.3	.1	.0											118	118	177	338
34/ 33	.1	.4	.4	.2	.0												78	78	157	258
32/ 31	.0	.2	.3	.1	.0												46	46	92	248
30/ 29	.0	.2	.2	.1													33	33	79	225
28/ 27	.0	.2	.1	.0													25	25	52	166
26/ 25	.1	.0															10	10	29	151
24/ 23	.1	.0															7	7	17	127
22/ 21	.1	.0															7	7	12	100
Element (X)	Σ X ²		Σ X		X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total						
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

NOV
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
27 / 19	.0	.0																3	3	6	83
16 / 17																				1	43
16 / 15																					43
14 / 13																					26
12 / 11																					18
15 / 9																					12
5 / 7																					12
6 / 5																					12
4 / 3																					5
2 / 1																					1
TOTAL	2.0	25.4	22.4	13.1	10.1	8.1	5.9	5.2	4.0	2.0	1.1	.5	.2	.1	.0		7200	7200	7200	7200	

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

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	36327376	488898	67.9	20.851	7200	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	25901754	422566	58.7	12.369	7200		13.1	208.1	102.8	24.3		720
Wet Bulb	20799119	378467	52.6	11.212	7200		28.8	91.6	4.6			720
Dew Point	17086059	335885	46.7	14.029	7200		127.2	44.8	.5			720

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70, 73-80 YEARS DEC 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			.3															3	3		
72/ 71		.2	.2	.3														7	7		
70/ 69		.4	2.2															24	24	6	3
68/ 67		.6	2.3				.1											28	28	13	6
66/ 65		1.3	1.2			.1												24	24	27	19
64/ 63	.2	1.5	.3	.2					.1									22	22	33	32
62/ 61	.3	1.2	.4	.3	.1				.1									23	23	27	29
60/ 59		2.2	.5	.1	.1	.1	.6	.2	.2									38	38	18	26
58/ 57	.2	2.9	1.1	.4	.2	.6	.2											53	53	25	14
56/ 55	.1	2.9	1.6	.6	.5	.6	.5											65	65	43	34
54/ 53		2.7	1.5	.4	.5	.3	.1											52	52	47	35
52/ 51	.4	1.2	2.6	.8	1.4	.9	.3											70	70	46	45
50/ 49	.2	1.3	2.4	.8	.8	.5												55	55	36	34
48/ 47		2.3	1.0	1.4	.8	.2	.2											54	54	57	26
46/ 45	.1	2.4	2.3	1.6	1.2	.2												72	72	68	49
44/ 43	.1	2.4	2.0	1.9	.8	.4												71	71	71	32
42/ 41		1.8	2.6	1.4	.8													61	61	70	54
40/ 39		1.4	1.9	.9	.6	.1												46	46	71	30
38/ 37	.2	1.2	1.8	1.9	.9													56	56	57	56
36/ 35		1.4	1.2	1.1	.3													37	37	53	62
34/ 33		1.2	1.8	.4	.1													33	34	47	45
32/ 31		.2	1.1	.3	.1													16	16	50	66
30/ 29	.1	.4	.2	.2														9	9	34	50
28/ 27		.2	.5															7	7	12	37
26/ 25		.1	.2															3	3	9	38
24/ 23																				8	21
22/ 21																				1	30
20/ 19																					23
18/ 17																					11
16/ 15																					10
14/ 13																					6
12/ 11																					4
10/ 9																					1
8/ 7																					1
Element (X)	Σ X ²	Σ X	X	X ²	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

722536 STATION RANDOLPH AFB TX STATION NAME 69-70, 73-80 YEARS DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
74/ 73			.3																													3	3				
72/ 71			.2																														2	2			
70/ 69		.3	1.4																														16	16	4		
68/ 67		1.4	2.7																														38	38	10	7	
66/ 65		2.5	.8																														30	30	29	23	
64/ 63		1.4	.2																														15	15	49	33	
62/ 61	.3	1.7	.4	.1	.1																												25	25	19	37	
60/ 59	.1	1.8	.3																														21	21	16	21	
58/ 57	.4	3.2	.2		.4	.4				.1																							45	45	25	15	
56/ 55	.2	2.4	.6	.1	.4	.2	.1																										38	38	37	31	
54/ 53	.5	2.3	.8	.2	.4	.3	.3																										45	45	33	36	
52/ 51	.3	2.5	1.6	.3	1.2	.4	.1																										60	60	35	31	
50/ 49	.3	2.5	1.7	1.4	.3	.5																											63	63	35	30	
48/ 47	.1	2.5	1.5	1.7	.9	.5																											67	67	47	25	
46/ 45	.1	3.3	1.0	.9	.5	.2																											56	56	67	47	
44/ 43		1.8	1.8	1.7	.9	.3																											61	61	71	30	
42/ 41		3.0	3.5	1.6	1.0	.2																											87	87	44	47	
40/ 39	.2	1.9	1.4	.6	.3																												42	42	74	47	
38/ 37	.1	2.3	1.3	.8	.6																												47	47	81	41	
36/ 35		2.8	2.6	1.1	.3																												63	63	46	53	
34/ 33	.1	1.6	2.8	.8	.2																												51	51	58	60	
32/ 31	.2	1.0	1.0	.4																													29	29	60	66	
30/ 29		.4	.5	.1	.1																												11	11	43	47	
28/ 27		1.0	.1	.1																													11	11	17	54	
26/ 25		.2	.5	.1																													8	8	19	40	
24/ 23			.1																														1	1	7	21	
22/ 21																																				3	26
20/ 19																																		1		23	
18/ 17																																				13	
16/ 15																																				11	
14/ 13																																				8	
12/ 11																																				4	
4/ 3																																				2	
0/ -1																																				1	
Element (X)	Σ x'		Σ x		x		σ _n		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 YEARS DEC 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
74/ 73			.1														1	1		
72/ 71			.2														2	2		
70/ 69		.1	1.2														12	12	3	
68/ 67		1.4	2.2														33	33	8	3
66/ 65	.1	2.5	.8														31	31	29	21
64/ 63		2.5	.2														25	25	45	27
62/ 61	.4	1.5	.2	.2													22	22	28	45
60/ 59	.6	2.8	.1					.1									34	34	20	30
58/ 57	.3	1.8	.2	.2													24	24	33	21
56/ 55	.5	2.2	.4	.2	.2	.1	.1										35	35	23	32
54/ 53	.5	1.9	.6	.3	.8	.2	.2										43	43	27	25
52/ 51	.1	2.9	1.1	.1	.5	.1	.1	.1									47	47	32	23
50/ 49	.4	2.8	1.0	1.5	.5	.3	.2										63	63	34	27
48/ 47		2.5	1.8	1.5	.8	.3											64	64	41	35
46/ 45		4.8	1.3	2.3	.9	.2											88	88	72	34
44/ 43	.3	1.2	1.2	1.5	.3												42	42	66	40
42/ 41		1.7	2.7	1.7	.2												59	59	48	46
40/ 39	.2	2.8	1.9	1.2	.9												65	65	59	42
38/ 37		3.5	1.1	1.4	.6												62	62	79	36
36/ 35	.2	2.4	1.7	.8	.3												50	50	70	54
34/ 33	.3	3.1	1.5	.4													50	50	48	69
32/ 31	.1	1.8	1.7	.9													42	42	65	63
30/ 29		.5	1.0	.1													15	15	48	46
28/ 27		.9	.4														12	12	18	61
26/ 25			.2	.2													4	4	22	38
24/ 23		.2		.1													3	3	6	21
22/ 21		.2															2	2	1	21
20/ 19																			5	25
18/ 17																				14
16/ 15																				19
14/ 13																				4
12/ 11																				4
10/ 9																				1
8/ 3																				1
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 34-44 0-26-5 (O.L.A.) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72536 RANDOLPH AFB TX 69-70, 73-80 YEARS DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb	Dew Point
76/ 75				.1	.1	.1				.1							4	4			
74/ 73			.3	.3	.2												8	8			
72/ 71			.6	.6	.5				.1								18	18			
70/ 69		.4	1.6	.4	.2	.1	.1	.2	.1	.1							31	31	.4	1	
68/ 67		.8	2.2	.3	.2	.2	.2	.2	.1	.1							36	36	25	8	
66/ 65		1.7	.9	.1	.5	.5	.4	.2	.2	.1							44	44	36	25	
64/ 63	.1	1.5	.5	.5	.2	.8	.8	.1	.1	.1							44	44	36	26	
62/ 61	.3	2.4	.8	.8	.3	.4	.5	.4	.6	.2							63	63	30	44	
60/ 59	.3	2.2	.9	.8	.8	.9	.5	.2	.2	.1							63	63	38	35	
58/ 57	.1	1.7	.9	.9	1.1	.5	.5	.2	.1								56	56	42	31	
56/ 55	.1	1.8	1.1	.5	1.0	1.0	.8	.3	.1								62	62	42	27	
54/ 53	.5	1.8	1.2	1.2	1.9	1.1	.5	.2									79	79	55	39	
52/ 51	.2	1.2	2.0	.9	1.9	.6	.5	.4									73	73	60	32	
50/ 49	.2	1.3	1.2	2.0	2.3	1.2	.3	.1									80	80	57	36	
48/ 47		1.5	.6	2.3	.9	1.2	.3										63	63	71	38	
46/ 45		1.2	1.2	1.0	1.3	.6	.4										53	53	73	47	
44/ 43		1.2	.9	1.4	.6	.4											42	42	85	45	
42/ 41	.1	.8	.9	.6	.2	.6											30	30	72	49	
40/ 39	.1	.6	1.1	.4	1.6												36	36	47	54	
38/ 37		.2	.4	.5	1.0												20	20	59	54	
36/ 35		.1	.4	.1	.5												11	11	24	56	
34/ 33				.2	.1												3	3	19	39	
32/ 31		.1		.4	.2												7	7	31	47	
30/ 29			.1	.1													2	2	8	28	
28/ 27				.1													1	1	7	38	
26/ 25				.1													1	1	6	25	
24/ 23																			1	15	
22/ 21																			2	15	
20/ 19																				18	
18/ 17																				23	
16/ 15																				13	
14/ 13																				10	
12/ 11																				6	
10/ 9																				3	
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 69-70.73-80 YEARS DEC 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																						1
6/ 5																						1
4/ 3																						1
TOTAL	2.2	22.5	19.7	16.8	17.7	10.3	6.0	2.6	1.5	.8								930	930	930		
																		930		930		

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4430380	61364	66.0	20.262	930							93
Dry Bulb	2786928	50152	53.9	9.417	930		1.1	9.7	1.2			93
Wet Bulb	2257914	44884	48.3	9.936	930		5.5	2.9				93
Dew Point	1791668	38728	41.6	13.878	930		24.4	.9				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 STATION RANDOLPH AFB TX STATION NAME 69-70,73-80 YEARS DEC 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																
83											.1				.1	.1																3	3			
81											.2																					4	4			
79						.1	.1	.2	.1	.2		.1	.1																			9	9			
77					.2	.3	.5	.4	.1		.1	.2																				18	18			
75				.2	.5	1.3	.1	.3	.2	.3																						29	29			
73			.2	.8	1.1	1.4	.4	.2	.6	.6	.1	.2																				53	53			
71			.5	.4	.9	.3	.9	.8	.8	.2																						48	48	3		
69		.3	1.1	1.2	1.5	.9	.4	1.1	.6	.3	.9	.2																				79	79	11		
67	.1		.5	.8	1.1	.5	.8	1.4	.4	.3	.1	.1																				57	57	30	15	
65		.9	.6	.5	.6	1.0	1.0	.9	1.0	.5	.2	.1																				68	68	44	14	
63		.5	.3	1.1	.6	.5	1.0	.9	1.0	.4	.2																					61	61	58	21	
61	.1	1.1	.5	1.1	.8	.6	1.3	1.3	.6	.4																						73	73	45	40	
59		1.0	.4	.1	.5	.6	1.1	1.1	.6																							51	51	45	37	
57		.8	.3	.4	.5	2.2	1.2	1.4	.6	.3																						72	72	61	52	
55		1.1	.6	.5	.9	1.6	1.4	1.1	.4	.2																						73	73	68	40	
53		.5	.9	.5	1.1	.5	1.5	.3	.2																							52	52	63	33	
51		.9	.8	.3	1.1	1.0	.9	.1	.2																							48	48	53	38	
49		.5	.2	.2	.2	.4	.2	.3																								20	20	78	23	
47		.4	.2	.4	.6	.4	.1																									21	21	81	49	
45		.9	.6	.6	.6	.4																										24	24	71	47	
43		.5	.4	.3	.2	.8																										21	21	61	37	
41		.6	.5	.2	.8	.6																										26	26	48	45	
39		.1	.3	.1	.3	.3																										11	11	37	39	
37			.2	.1	.1	.1																										5	5	23	57	
35					.1	.2																										3	3	11	57	
33					.1																											1	1	24	35	
31																																		7	35	
29																																	5	42		
27																																			35	
25																																	3	37		
23																																			12	
21																																			10	
19																																			25	
17																																			21	
Element (X)	Z _X ¹	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																																				

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

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-80
YEARS

DEC
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb Dew Point
14/ 15																				11
14/ 13																				5
13/ 11																				4
12/ 9																				7
8/ 7																				4
6/ 5																				2
4/ 3																				1
TOTAL	.210	.1	8.8	10.0	13.7	17.0	12.8	11.7	8.0	4.3	2.0	1.2		.1	.1			930	930	930

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Rel. Hum.	3026125	49325	53.0	21.060	930			30.0	11.6	1.1		93
Dry Bulb	3545643	56687	61.0	9.862	930			1.5	4.4			93
Wet Bulb	2554220	47960	51.6	9.333	930			25.1	1.5			93
Dew Point	1803290	38818	41.7	4.037	930							93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 YEARS DEC 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
84/ 83							.1			.1				.1			3	3	
82/ 81						.1		.3	.2	.2	.2			.1			11	11	
80/ 79						.3	.4	.3	.4			.1	.1				16	16	
78/ 77					.4	.2	1.1	1.3	.5	.1	.3	.1	.2				40	40	
76/ 75					1.1	.3	.6	.9	.2	.1	.2	.2					34	34	
74/ 73				.4	.3	.9	1.5	.4	.8	.8	.8	.1					55	55	1
72/ 71				.6	.5	1.3	.6	.5	.9	1.3	.5	.1					60	60	4
70/ 69			.4	.6	1.4	1.2	.5	.8	1.7	.6	.6	.2					76	76	7
68/ 67	.3	.5	.3	.5	.9	.8	1.1	.9	1.7	.1	.3						69	69	27 5
66/ 65	.8	.4	1.0	.4	.8	1.5	.6	.8	.5	.4							67	67	45 10
64/ 63	.3	.1	.6	.6	1.0	.3	.9	1.8	.8								60	60	56 30
62/ 61	.8	.4	.1	.3	.8	1.1	1.1	.6	.4								52	52	54 23
60/ 59	.6	.5	.2	.4	.6	.5	1.1	.4	.5								47	47	50 23
58/ 57	.3	.4	.1	.2	1.5	1.3	3.3	.4	.5								76	76	50 47
56/ 55	.6	.6	.2	.9	1.8	1.2	.6	.1	.3								60	60	62 52
54/ 53	.3	.4	.3	.6	.6	1.2	.1		.1								35	35	80 47
52/ 51	1.6	1.3		.4	.9	.6	.3	.1									49	49	64 35
50/ 49	.2	.6	.3	.4	.5	.2											22	22	77 36
48/ 47	.3	.2	1.0	.2	.2	.1	.1										20	20	75 29
46/ 45	1.1	.4			.4	.9											26	26	73 47
44/ 43		.2	.3	.1	.9	.1											15	15	71 39
42/ 41	.6	.2	.2	.4	.8												21	21	40 47
40/ 39		.5	.3		.4												12	12	29 53
38/ 37	.2				.2												4	4	16 52
36/ 35																			17 43
34/ 33																			23 46
32/ 31																			3 43
30/ 29																			5 52
28/ 27																			1 48
26/ 25																			28
24/ 23																			10
22/ 21																			14
20/ 19																			21
18/ 17																			13
Element (X)	Σ X'	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
 STATION STATION NAME

69-70,73-80
 YEARS

DEC
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31		Dry Bulb	Wet Bulb	Dew Point
17 / 15																					
14 / 13																					12
12 / 11																					6
10 / 9																					8
8 / 7																					1
6 / 5																					1
4 / 3																					1
2 / 1																					1
TOTAL	8.2	7.5	6.8	9.5	16.6	14.7	13.4	10.0	8.2	3.2	1.4	.3	.2				930	930		930	

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

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Rel. Num.	2671710	45984	49.4	20.699	930							
Dry Bulb	3716745	58029	62.4	10.161	930			36.4	15.9	2.2		93
Wet Bulb	2574699	48215	51.8	8.987	930		.9	3.9	.1			93
Dew Point	1737383	38177	41.1	3.535	930	26.6	.5					93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

DEC 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
77/ 77					.1						.1						2	2		
76/ 75			.1		.1	.1		.1									4	4		
74/ 73			.1	.8		.3	.2										13	13		
72/ 71		.1	.8	.6	.5	.5	.2	.3	.3	.1							33	33	2	
70/ 69			.6	.4	.5	1.0	.2	.1	.2	.1							30	30	4	2
68/ 67			.8	.9	1.2	.6	.3	.2	.1	.1							39	39	16	4
66/ 65		.8	.9	1.2	.6	.2	.4	.3									41	41	13	10
64/ 63		1.0	.2	1.4	1.1	.8	1.1	.5	.5		.2						63	63	35	18
62/ 61	.1	.9	.6	1.5	.5	.8	1.0	1.1	.1	.1							62	62	43	25
60/ 59		1.4	1.3	.8	1.3	1.3	1.4	1.0	.1	.3							82	82	40	28
58/ 57		1.4	.8	1.1	1.3	1.0	1.2	.5									67	67	51	28
56/ 55		.9	.5	1.2	2.0	1.0	1.4	.2	.1								68	68	57	38
54/ 53		1.1	.5	1.1	1.6	1.9	1.6	.2	.2								77	77	40	51
52/ 51		1.1	1.2	1.3	1.4	1.9	1.1	.5									79	79	64	48
50/ 49	.1	1.0	1.4	.8	1.9	1.3	.6	.3									69	69	77	28
48/ 47		.3	1.2	1.0	2.2	.3	.2	.1									49	49	82	41
46/ 45		.9	.8	1.2	1.1	.2	.1	.1									40	40	71	46
44/ 43		.5	.6	.6	1.1	.9	.1	.1									37	37	83	37
42/ 41		.9	.1	.3	.9	.1	.1										22	22	80	47
40/ 39		.2	.8	.5	.6	.2											22	22	53	70
38/ 37		.3	.2	.8	.3	.1											16	16	33	41
36/ 35		.3		.2	.4												9	9	30	41
34/ 33				.1	.1												2	2	25	52
32/ 31																			14	62
30/ 29				.1													1	1	7	49
28/ 27																			5	48
26/ 25																			2	26
24/ 23																				14
22/ 21																				14
20/ 19																				20
18/ 17																				13
16/ 15																				8
14/ 13																				7
12/ 11																				8
Element (X)	Σ X'		Σ X		X	σ _x	No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

DEC
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		> 31	Dry Bulb	Wet Bulb
10/ 0																				4
4/ 3																				2
2/ 1																				1
TOTAL	.2	12.9	13.5	17.8	21.0	14.6	11.3	5.8	1.7	.8	.2	.1					927	927	927	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3638582	55306	59.7	9.132	927							
Dry Bulb	2955854	51674	55.7	9.022	927		.1	12.1	1.9			93
Wet Bulb	2265373	45047	48.6	9.080	927		2.8	2.2				93
Dew Point	1687288	37684	40.7	12.953	927		27.3	.6				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

722536 RANDOLPH AFB TX STATION NAME

69-70, 73-80 YEARS

YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
74/ 73			.3																													3	3				
72/ 71		.3	1.0	.2																												14	14				
71/ 69		.1	1.2	.4																												17	17	6	3		
68/ 67		.2	1.5	.4	.1																											25	25	16	6		
66/ 65		1.2	1.6	.2																												34	34	12	10		
64/ 63		1.1	.5	.5																												22	22	31	19		
62/ 61	.2	1.3	.4	.6	.3																											31	31	30	31		
60/ 59	.1	2.0	1.7	.6	.5																											51	51	22	31		
58/ 57	.1	2.9	2.2	.6	.9	.4																										74	74	31	22		
56/ 55	.1	1.4	2.2	1.0	1.4	1.0	.3	.2																								70	70	54	32		
54/ 53		1.7	1.8	1.6	1.3	.5	.2	.1																								68	68	51	41		
52/ 51	.3	.3	2.0	1.0	1.6	1.4	.4																									66	66	48	45		
50/ 49		1.9	1.6	1.4	.9	1.3	.1																									67	67	59	32		
48/ 47		2.0	1.8	1.8	1.1	.9	.2																									73	73	63	36		
46/ 45		1.9	1.3	2.2	1.7	.6																										72	72	77	44		
44/ 43		1.1	1.6	2.5	1.2	.4																										63	63	77	46		
42/ 41	.1	1.2	1.6	1.2	1.0	.3																										50	50	65	49		
40/ 39		.6	1.4	1.5	.5	.3																										41	41	70	47		
38/ 37		1.8	1.0	.9	.2																											36	36	71	47		
36/ 35		.4	1.3	.4	.1																											21	21	47	55		
34/ 33		.4	.5	.4	.1																											14	14	42	53		
32/ 31		.1	.1	.4																												6	6	31	58		
30/ 29		.1	.2	.2																												5	5	12	43		
28/ 27			.4																													4	4	3	50		
26/ 25																																			9	40	
24/ 23																																	4		16		
22/ 21																																				22	
20/ 19																																				15	
18/ 17																																				12	
16/ 15																																				8	
14/ 13																																				7	
12/ 11																																				6	
10/ 9																																				1	
Element (X)	Z _X ²	Z _X	X̄	σ _X	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

722546 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80
YEARS

DEC
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
TOTAL	1.0	24.4	29.4	20.3	12.9	7.3	2.5	1.2	.4	.3	.2							927	927	927	927

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

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	4724172	64128	69.2	17.633	927		1.5	5.9	.3			93
Wet Bulb	2500682	47352	51.1	9.404	927		5.9	2.2				93
Dew Point	2073818	42900	46.3	9.775	927		27.9	.9				93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 YEARS DEC 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
84/ 83							.0		.0		.0			.0	.0			6	6		
82/ 81						.0		.1	.0	.0	.1			.0				15	15		
80/ 79					.0	.1	.1	.1	.1	.0	.0	.0		.0				25	25		
78/ 77					.1	.1	.2	.2	.1	.0	.1	.1	.0					60	60		
76/ 75			.0	.0	.2	.2	.1	.2	.1	.1	.0	.0						71	71		
74/ 73			.2	.3	.2	.3	.3	.1	.2	.2	.1	.0						139	139	1	
72/ 71		.1	.4	.4	.3	.3	.1	.2	.2	.3	.1	.0						184	184	9	
70/ 69		.2	1.2	.4	.5	.4	.2	.3	.3	.1	.2	.1						285	285	45	9
68/ 67	.0	.6	1.6	.3	.4	.3	.3	.4	.2	.3	.0	.1						325	325	145	54
66/ 65	.0	1.4	.9	.4	.3	.3	.4	.3	.3	.2	.1	.0						339	339	235	132
64/ 63	.0	1.2	.3	.6	.3	.4	.4	.3	.4	.2	.1							312	312	343	206
62/ 61	.2	1.3	.5	.6	.3	.3	.5	.5	.3	.1								351	351	276	274
60/ 59	.1	1.7	.7	.3	.5	.4	.6	.5	.2	.1								387	387	249	231
58/ 57	.1	1.9	.8	.5	.6	.8	.6	.7	.2	.1								467	467	318	230
56/ 55	.1	1.7	1.0	.6	.9	.9	.7	.3	.1	.1								471	471	386	286
54/ 53	.2	1.5	1.0	.7	1.0	.7	.7	.1	.1	.0								451	451	396	307
52/ 51	.2	1.5	1.6	.6	1.2	.9	.5	.2	.0									492	492	398	297
50/ 49	.2	1.4	1.3	1.0	.9	.8	.2	.1										439	439	453	246
48/ 47	.0	1.5	1.0	1.4	.9	.5	.1	.0										411	411	517	279
46/ 45	.0	2.1	1.0	1.2	.8	.4	.2	.0										431	431	572	361
44/ 43	.1	1.1	1.1	1.3	.6	.5	.0	.0										352	352	585	306
42/ 41	.0	1.3	1.5	.9	.6	.3	.0											356	356	467	384
40/ 39	.1	1.0	1.2	.7	.6	.2												275	275	440	382
38/ 37	.0	1.2	.8	.8	.5	.1												246	246	419	384
36/ 35	.0	.9	.9	.5	.3	.0												194	194	298	421
34/ 33	.1	.8	.8	.3	.1													154	155	286	399
32/ 31	.0	.4	.5	.3	.0													95	95	261	440
30/ 29	.0	.2	.3	.1	.0													43	43	162	357
28/ 27		.3	.2	.0														35	35	63	367
26/ 25		.0	.1	.1														16	16	70	272
24/ 23		.0	.0	.0														4	4	26	130
22/ 21		.0																2	2	7	152
20/ 19																				6	170
18/ 17																					120
Element (X)	Σ X ²		Σ X		Σ	° _X	No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.									≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLCRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 69-70,73-80 DEC
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
16 / 15																					87
14 / 13																					59
12 / 11																					42
10 / 9																					25
8 / 7																					7
6 / 5																					4
4 / 3																					8
2 / 1																					4
1 / -1																					1
TOTAL	1.6	25.4	20.8	14.2	12.2	9.3	6.3	4.4	2.7	1.8	.7	.3	.0	.0	.0	.0		7433		7433	

Element (X)	Z _g '	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	35294473	487829	65.6	21.002	7433		19.5	111.1	31.6	3.3		744
Wet Bulb	17535047	352507	47.4	10.488	7433		59.6	20.0	.1			744
Dew Point	13661135	302403	40.7	3.519	7433	.1	224.7	6.3				744

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

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-81
YEARS

YEARS

ALL
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		2	2		
104/103																.0		14	14		
102/101													.0	.0		.0		42	42		
100/99											.0	.0	.1	.0	.0	.0		151	151		
98/97										.0	.1	.1	.1	.0	.0	.0		321	321		
96/95								.0	.0	.2	.3	.1	.0	.0	.0	.0		645	645		
94/93							.0	.0	.2	.3	.4	.1	.0	.0	.0	.0		954	954		
92/91						.0	.0	.2	.4	.6	.2	.0	.0	.0	.0	.0	.0	1388	1388		
90/89					.0	.0	.2	.7	.7	.3	.1	.0	.0	.0	.0	.0	.0	1911	1911		
88/87					.0	.2	.7	.8	.4	.1	.1	.0	.0	.0	.0	.0	.0	2060	2060		
86/85			.0	.0	.1	.8	.8	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	2452	2452		
84/83			.0	.1	.6	.9	.6	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	2740	2740		
82/81		.0	.1	.6	1.0	.7	.6	.2	.2	.1	.1	.1	.0	.0	.0	.0		3202	3202	27	1
80/79		.0	.6	1.2	1.0	.8	.3	.3	.2	.1	.1	.1	.0	.0	.0	.0		4138	4138	196	10
78/77	.0	.3	1.8	1.3	.8	.5	.3	.2	.2	.1	.1	.1	.0	.0	.0	.0		4931	4931	1685	51
76/75	.0	.9	2.3	1.4	.8	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0		5886	5886	5864	596
74/73	.1	1.4	2.1	1.2	.4	.3	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0		5505	5505	9503	3144
72/71	.0	1.6	1.9	.8	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0		5195	5195	7579	6515
70/69	.1	1.4	1.8	.5	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0		4652	4652	6729	8025
68/67	.1	1.1	1.4	.5	.4	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0		3951	3952	5652	8135
66/65	.1	1.2	1.0	.5	.3	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0		3576	3576	4409	6845
64/63	.1	1.2	.7	.5	.3	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0		3273	3273	4338	4901
62/61	.1	1.1	.6	.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0		3131	3131	3541	4091
60/59	.1	1.0	.8	.4	.3	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0		3033	3033	3486	3566
58/57	.1	.9	.6	.3	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0		2741	2741	3205	3207
56/55	.1	.8	.6	.3	.3	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0		2581	2581	3245	3029
54/53	.1	.7	.6	.4	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0		2347	2347	2953	2764
52/51	.1	.7	.7	.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0		2245	2245	2742	2573
50/49	.1	.7	.7	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		2239	2239	2858	2284
48/47	.0	.7	.5	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		1931	1931	2927	2287
46/45	.0	.7	.5	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		1898	1898	2788	2414
44/43	.1	.5	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1561	1561	2486	2202
42/41	.0	.6	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1540	1540	2106	2368
40/39	.1	.5	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1360	1361	1963	2137
Element (X)	ΣX'		ΣX		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 (DL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70, 73-81
YEARS

ALL
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																		
36/ 37	.0	.6	.3	.2	.1	.0																											1137	1137	1852	2118		
36/ 35	.0	.4	.4	.2	.1	.0																												953	953	1461	2264	
34/ 33	.0	.3	.3	.1	.0	.0																												685	686	1204	1935	
32/ 31	.0	.2	.2	.1	.0																													544	544	989	2210	
30/ 29	.0	.1	.2	.0	.0																													293	293	740	1630	
28/ 27	.0	.1	.1	.0	.0																													209	209	460	1374	
26/ 25	.0	.0	.1	.0																														89	89	329	1149	
24/ 23	.0	.0	.0	.0																														59	59	143	688	
22/ 21	.0	.0	.0	.0																														37	37	87	824	
20/ 19	.0	.0	.0																															17	17	52	757	
18/ 17	.0	.0																																7	7	18	453	
16/ 15	.0																																	2	2	8	393	
14/ 13	.0																																	1	1	3	247	
12/ 11																																				1	1	178
10/ 9																																						114
8/ 7																																					66	
6/ 5																																					38	
4/ 3																																					26	
2/ 1																																					8	
0/ -1																																					6	
-2/ -3																																					5	
-4/ -5																																					1	
TOTAL	1.6	19.8	22.2	13.8	10.0	8.5	6.8	5.8	4.3	3.1	2.0	1.2	.6	.3	.1	.0	.0																	87629	87632	87629		
Elements (K)	$\Sigma X'$	ΣX	\bar{X}	\bar{X}_n	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.	439415524	5959290	68.0	19.741	87629	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																										
Dry Bulb	413533909	5870919	67.0	15.187	87632		125.7	5014.1	3634.4	1801.9	212.9	8760																										
Wet Bulb	330653684	5256560	60.0	13.227	87629		282.7	3724.1	1727.7	7.6		8760																										
Dew Point	283865789	4799061	54.8	15.496	87629		1.2	1015.4	2648.1	380.2	.2	8760																										

SAFETAC FORM 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722536 RANDOLPH AFB TX

69-70,73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-00	MEAN	43.9	48.8	56.3	62.3	68.1	73.1	75.8	75.3	71.2	62.1	53.7	49.0	61.7
	S D	10.257	9.936	9.097	8.138	6.274	4.767	2.888	3.339	5.846	9.019	11.110	10.250	13.424
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955
0-05	MEAN	42.7	47.1	54.5	60.8	66.8	71.8	74.4	73.8	69.8	60.3	52.1	47.3	60.2
	S D	10.520	10.286	9.895	8.765	6.997	5.250	2.426	3.452	6.387	9.522	11.511	10.700	13.723
	TOTAL OBS	930	845	930	900	930	900	930	930	899	930	900	930	10954
0-08	MEAN	42.0	46.4	54.3	61.6	68.4	73.4	75.8	75.0	70.5	60.8	51.9	46.7	60.6
	S D	10.622	10.489	9.913	8.269	6.404	4.933	3.128	3.709	6.264	9.300	11.384	10.837	14.339
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
0-11	MEAN	47.7	53.4	61.7	68.6	75.4	81.0	83.7	83.6	78.8	70.4	60.4	53.9	68.3
	S D	10.710	10.119	8.626	6.884	5.408	4.818	4.316	4.075	5.995	7.950	10.020	9.417	14.349
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955
12-14	MEAN	54.3	60.5	68.5	74.4	80.6	86.5	89.8	89.2	84.4	76.6	67.0	61.0	74.5
	S D	11.907	11.414	9.332	7.365	5.724	5.226	5.276	5.144	6.419	8.454	10.731	9.862	14.329
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
15-17	MEAN	56.4	63.2	70.9	76.2	82.0	88.0	91.2	90.5	85.3	77.6	68.1	62.4	76.0
	S D	12.355	12.139	9.640	7.267	6.088	5.748	6.599	5.984	6.733	8.527	11.002	10.161	14.335
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
18-20	MEAN	50.6	57.7	65.2	70.9	76.9	83.0	86.4	85.0	78.9	70.3	60.6	55.7	70.2
	S D	10.686	11.015	8.982	6.898	6.002	5.738	6.428	5.792	6.422	8.053	10.046	9.022	14.238
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950
1-23	MEAN	46.3	52.1	59.2	65.2	71.0	76.4	79.6	78.6	73.4	64.7	55.7	51.1	64.5
	S D	9.973	9.819	8.279	6.912	5.661	4.476	4.301	4.105	5.688	8.495	10.584	9.404	13.441
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950
ALL HOURS	MEAN	48.0	53.6	61.3	67.5	73.6	79.2	82.1	81.4	76.5	67.9	58.7	53.4	67.0
	S D	11.999	12.186	10.987	9.414	8.217	7.855	7.760	7.673	8.504	10.830	12.369	11.435	15.187
	TOTAL OBS	7440	6767	7439	7200	7434	7199	7440	7440	7199	7440	7200	7434	87632

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722 36 RANDOLPH AFB TX

69-70, 73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
6-12	MEAN	40.8	45.0	51.9	58.7	64.6	69.5	71.4	71.2	67.8	58.5	50.4	45.1	58.0
	S D	10.475	10.286	9.744	8.719	6.508	4.648	2.120	2.781	6.236	9.281	11.466	10.650	13.482
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	929	10954
7-05	MEAN	39.8	43.8	50.9	57.7	63.7	68.8	71.1	70.7	67.0	57.4	49.2	44.1	57.1
	S D	10.730	10.613	10.451	9.199	7.123	5.129	2.217	3.220	6.806	9.849	11.868	11.153	13.928
	TOTAL OBS	930	845	930	900	930	899	930	930	899	930	900	930	10953
8-12	MEAN	39.2	43.3	50.7	58.2	64.7	69.8	72.1	71.6	67.6	57.8	49.0	43.7	57.4
	S D	10.817	10.813	10.505	8.807	6.630	4.774	2.388	3.160	6.622	9.767	11.786	11.285	14.341
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	10955
9-11	MEAN	43.0	47.8	54.7	61.6	67.9	72.4	74.1	74.2	70.8	62.7	53.9	48.3	61.0
	S D	10.426	9.944	8.856	7.266	5.470	3.910	1.954	1.999	5.382	8.142	10.434	9.936	13.120
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955
10-14	MEAN	46.5	51.1	57.5	63.9	69.8	73.5	74.7	74.5	71.8	64.4	56.5	51.6	63.0
	S D	10.342	9.587	8.362	6.994	5.327	3.839	1.992	2.142	4.890	7.582	10.091	9.333	12.104
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
11-17	MEAN	47.5	52.0	58.1	64.3	70.2	73.6	74.3	74.3	71.6	64.2	56.6	51.8	63.3
	S D	10.183	9.420	8.130	6.851	5.303	3.781	2.120	2.176	4.692	7.186	9.791	8.987	11.728
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
12-20	MEAN	44.7	49.4	55.6	62.2	68.3	72.3	73.2	72.9	69.7	61.8	53.5	48.6	61.1
	S D	9.951	9.543	8.389	7.315	5.551	3.925	2.169	2.339	5.151	7.544	10.133	9.080	12.334
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950
1-23	MEAN	42.3	46.9	53.3	60.0	66.0	70.6	72.0	71.9	68.3	59.7	51.3	46.3	59.1
	S D	10.078	9.882	8.933	7.899	5.946	4.185	2.097	2.569	5.836	8.503	10.993	9.775	12.940
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950
ALL HOURS	MEAN	43.0	47.4	54.1	60.8	66.9	71.3	72.9	72.7	69.3	60.8	52.6	47.4	60.0
	S D	10.763	10.472	9.596	8.279	6.453	4.639	2.501	2.952	6.022	8.937	11.212	10.488	13.227
	TOTAL OBS	7440	6766	7439	7200	7434	7198	7440	7440	7199	7440	7200	7433	87629

2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722536 RANDOLPH AFB TX

69-70,73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	36.2	40.2	47.4	55.8	62.4	67.6	69.2	69.2	65.9	55.7	47.0	40.4	54.8
	S D	13.003	13.052	12.547	10.718	7.492	5.145	2.637	3.252	7.263	10.753	13.562	13.340	15.485
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	929	10954
0-05	MEAN	35.6	39.4	47.0	55.1	61.8	67.2	69.5	69.2	65.4	55.0	46.0	39.9	54.3
	S D	13.173	13.352	12.894	11.013	7.903	5.559	2.551	3.548	7.670	11.227	13.894	13.656	15.845
	TOTAL OBS	930	845	930	900	930	899	930	930	899	930	900	930	10953
0-10	MEAN	35.0	39.1	46.9	55.6	62.4	68.0	70.3	70.0	65.8	55.3	45.8	39.6	54.6
	S D	13.136	13.441	12.990	10.730	7.692	5.408	2.580	3.398	7.508	11.288	13.934	13.739	16.183
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	10955
0-11	MEAN	36.8	41.4	48.2	56.3	63.6	68.2	69.7	70.0	66.7	57.2	47.5	41.6	55.7
	S D	13.530	13.604	12.909	10.799	7.647	5.042	2.557	2.699	7.041	11.197	14.403	13.878	15.668
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955
12-14	MEAN	37.5	41.4	47.9	56.4	63.9	67.4	67.8	67.9	65.5	56.1	47.1	41.7	55.1
	S D	13.781	13.553	13.215	11.161	7.797	5.273	3.296	3.201	6.969	11.158	14.607	14.037	15.321
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
10-17	MEAN	37.5	40.6	47.0	56.0	63.7	66.7	66.6	66.8	64.6	55.0	46.4	41.1	54.4
	S D	13.513	13.420	13.121	11.489	7.883	5.433	3.825	3.685	7.055	10.884	14.431	13.535	15.161
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
1-2	MEAN	37.4	40.4	46.8	55.6	63.3	67.0	66.9	67.1	64.8	55.6	46.6	40.7	54.4
	S D	13.044	13.344	12.853	11.368	7.677	5.365	3.735	3.706	7.057	10.260	13.829	12.953	15.064
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950
1-23	MEAN	36.9	40.9	47.4	55.9	62.9	67.7	68.3	68.6	65.4	56.0	46.9	40.5	54.9
	S D	12.834	13.164	12.534	10.734	7.338	5.061	2.818	3.341	7.242	10.245	13.496	12.859	15.165
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	10950
ALL HOURS	MEAN	36.6	40.4	47.3	55.8	63.0	67.5	68.6	68.6	65.5	55.7	46.7	40.7	54.8
	S D	13.284	13.383	12.887	11.008	7.710	5.306	3.297	3.559	7.253	10.898	14.029	13.519	15.496
	TOTAL OBS	7440	6766	7439	7200	7434	7198	7440	7440	7199	7440	7200	7433	87624

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

702536
 STATION

RANDOLPH AFB TX
 STATION NAME

69-70,73-81
 PERIOD

ALL
 MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.5	95.2	87.4	77.2	65.2	51.4	34.2	14.0	66.2	7440
FEB		99.9	97.5	91.2	83.1	72.1	59.9	47.7	32.9	11.7	65.4	6766
MAR		100.0	97.1	90.5	81.6	70.9	59.7	46.6	30.1	11.7	64.7	7439
APR		100.0	98.9	95.0	88.4	80.8	68.9	55.9	37.8	12.8	69.6	7200
MAY		100.0	100.0	98.7	95.3	87.7	73.8	57.9	35.2	8.3	71.3	7434
JUN		100.0	100.0	99.3	95.3	84.6	67.3	52.6	34.6	5.0	69.5	7198
JUL		100.0	99.9	98.4	89.5	75.6	61.5	48.5	30.5	4.6	66.4	7440
AUG		100.0	100.0	99.2	92.2	77.5	62.9	50.5	34.2	6.4	67.8	7440
SEP		100.0	100.0	98.7	93.8	83.6	70.1	57.9	40.2	8.8	71.1	7199
OCT		100.0	99.4	95.9	88.2	77.5	65.0	52.9	36.7	12.3	68.6	7440
NOV		100.0	98.8	93.6	86.6	77.3	65.8	52.0	36.0	11.6	67.9	7200
DEC		100.0	98.9	94.3	84.8	72.7	59.6	46.9	31.6	10.5	65.6	7433
TOTALS		100.0	99.2	95.8	88.9	78.1	65.0	51.7	34.5	9.8	68.0	87629

U S AIR FORCE
 ENVIRONMENTAL TECHNICAL
 APPLICATIONS CENTER

PART F

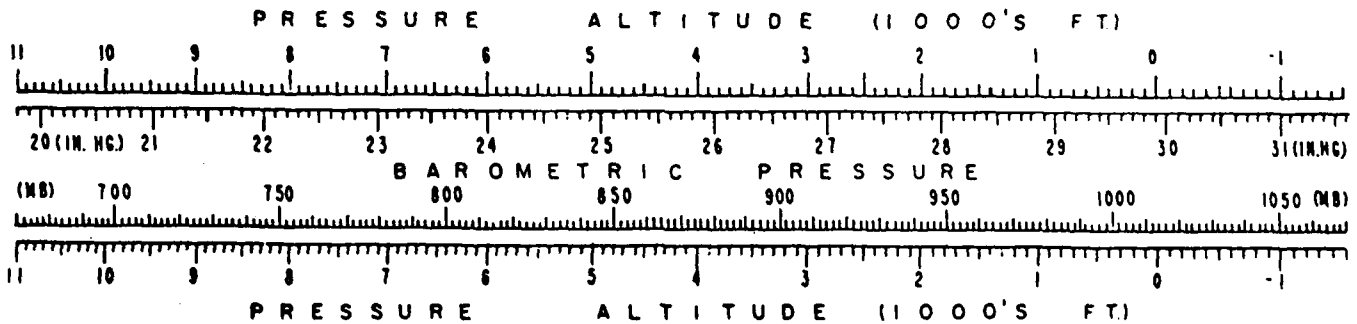
PRESSURE SUMMARY

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.



2
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

702536 RANDOLPH AFB TX

69-70,73-81

STATION

STATION NAME

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	29.311	29.294	29.152	29.151	29.106	29.150	29.187	29.176	29.169	29.230	29.283	29.287	29.208	
S D	.192	.194	.171	.159	.136	.098	.064	.067	.093	.139	.177	.187	.161	
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
MEAN	29.298	29.280	29.136	29.129	29.083	29.136	29.177	29.167	29.156	29.219	29.271	29.273	29.193	
S D	.193	.194	.173	.159	.136	.100	.064	.068	.095	.140	.176	.186	.162	
TOTAL OBS	310	281	310	300	310	300	310	310	299	310	300	310	3650	
MEAN	29.298	29.283	29.147	29.144	29.100	29.154	29.193	29.179	29.169	29.232	29.280	29.273	29.204	
S D	.193	.194	.174	.160	.135	.099	.066	.068	.096	.144	.178	.188	.161	
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
MEAN	29.342	29.326	29.190	29.183	29.136	29.182	29.221	29.209	29.202	29.273	29.324	29.317	29.242	
S D	.196	.195	.176	.161	.138	.099	.066	.069	.097	.145	.181	.189	.164	
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
MEAN	29.336	29.323	29.177	29.169	29.118	29.167	29.204	29.194	29.187	29.252	29.304	29.305	29.277	
S D	.197	.197	.177	.161	.137	.100	.066	.070	.097	.146	.184	.189	.166	
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
MEAN	29.258	29.242	29.101	29.108	29.068	29.118	29.150	29.132	29.122	29.184	29.233	29.232	29.162	
S D	.196	.195	.175	.160	.137	.101	.067	.071	.098	.145	.182	.188	.162	
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
MEAN	29.265	29.236	29.087	29.087	29.040	29.087	29.119	29.107	29.113	29.183	29.239	29.239	29.150	
S D	.197	.195	.173	.158	.139	.101	.069	.071	.099	.145	.180	.185	.166	
TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650	
MEAN	29.301	29.277	29.134	29.133	29.082	29.123	29.153	29.150	29.159	29.225	29.280	29.276	29.190	
S D	.196	.191	.173	.160	.134	.100	.067	.068	.095	.141	.179	.185	.164	
TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650	
ALL HOURS	MEAN	29.301	29.283	29.141	29.138	29.092	29.139	29.175	29.164	29.160	29.225	29.277	29.275	29.197
	S D	.197	.197	.177	.162	.139	.104	.073	.076	.100	.146	.182	.189	.166
	TOTAL OBS	2480	2255	2480	2400	2478	2400	2480	2480	2399	2480	2400	2478	29210

GENERAL CLIMATOLOGY BRANCH
 WPC/TAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HBS FROM HOURLY OBSERVATIONS

72236 RANDOLPH AFB TX

69-70, 73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	1020.71	1019.91	1014.71	1014.51	1012.71	1014.11	1015.31	1014.91	1014.81	1017.21	1019.31	1019.6	1016.5
	S D	6.874	6.922	6.077	5.623	4.781	3.466	2.267	2.425	3.342	5.002	6.364	6.708	5.843
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1020.21	1019.31	1014.11	1013.71	1011.91	1013.61	1015.01	1014.61	1014.41	1016.71	1018.81	1019.1	1015.9
	S D	6.932	6.914	6.169	5.638	4.823	3.523	2.288	2.484	3.386	5.046	6.329	6.676	5.889
	TOTAL OBS	310	281	310	300	310	300	310	310	299	310	300	310	3650
	MEAN	1020.21	1019.51	1014.51	1014.21	1012.51	1014.21	1015.51	1015.11	1014.81	1017.31	1019.21	1019.1	1016.3
	S D	6.938	6.934	6.210	5.668	4.779	3.500	2.328	2.486	3.427	5.177	6.390	6.734	5.842
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1021.51	1021.01	1016.01	1015.61	1013.81	1015.21	1016.51	1016.11	1016.01	1018.71	1020.81	1020.7	1017.7
	S D	7.055	6.966	6.232	5.727	4.846	3.480	2.338	2.461	3.480	5.201	6.474	6.768	5.947
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1021.61	1020.91	1015.51	1015.11	1013.21	1014.71	1015.91	1015.61	1015.41	1017.91	1020.01	1020.2	1017.1
	S D	7.049	7.025	6.301	5.704	4.837	3.549	2.352	2.525	3.464	5.234	6.539	6.765	6.001
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1018.81	1018.01	1012.91	1013.01	1011.41	1013.01	1014.01	1013.41	1013.21	1015.61	1017.51	1017.6	1014.8
	S D	7.047	6.977	6.221	5.697	4.842	3.601	2.412	2.615	3.487	5.209	6.514	6.721	5.868
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	1019.11	1017.91	1012.41	1012.21	1010.41	1011.91	1012.91	1012.51	1012.81	1015.51	1017.81	1017.9	1014.4
	S D	7.073	6.981	6.132	5.611	4.856	3.591	2.494	2.598	3.540	5.210	6.483	6.652	6.048
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650
	MEAN	1020.41	1019.31	1014.11	1013.81	1011.91	1013.11	1014.11	1014.01	1014.41	1017.01	1019.21	1019.3	1015.9
	S D	7.044	6.863	6.136	5.656	4.676	3.554	2.386	2.487	3.446	5.066	6.431	6.618	5.975
	TOTAL OBS	310	282	310	300	309	300	310	310	300	309	300	309	3649
	MEAN	1020.41	1019.51	1014.31	1014.01	1012.21	1013.71	1014.91	1014.51	1014.51	1017.01	1019.11	1019.2	1016.1
	S D	7.060	7.021	6.280	5.748	4.900	3.667	2.597	2.736	3.580	5.233	6.508	6.766	6.012
	TOTAL OBS	2490	2255	2480	2400	2478	2400	2480	2480	2399	2479	2400	2478	29209

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LME
80