

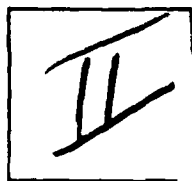
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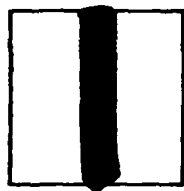


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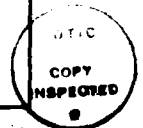
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER JSAFETAC/DS- 82/061	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary, and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary, and identify by block number) VANCE AFB, OK This report is a six-part statistical summary of surface weather observations for It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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

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

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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 WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO 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.

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REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. OR SUMMARY 723535	STATION NAME VANCE AFB OKLAHOMA/ENID	LATITUDE N 36 20	LONGITUDE W 097 54	FIELD ELEV. (FT.) 1307	CALL SIGN END	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 MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARR.	
1	Enid Field/Enid Oklahoma	AAF	Jan 42	Dec 43	N 36 20	W 097 50	1281	1290	24 less 5/43
2	Same	Same	Jan 44	Jan 47	Same	Same	1281	1293	24
3	Vance AFB, OK	AFB	Oct 48	Sep 49	N 36 21	W 097 55	1280	1287	24
4	Same	Same	Oct 49	Feb 51	N 36 20	W 097 54	Same	Same	24
5	Same	Same	Mar 51	Mar 53	Same	W 097 55	Same	1300	24
6	Same	Same	Apr 53	Feb 56	Same	W 097 54	1307	Same	24
7	Same	Same	Mar 56	Oct 60	Same	Same	Same	1287	24
8	Same	Same	Nov 60	Dec 74	Same	Same	Same	Same	14-17
9	Same	Same	Jan 75	Dec 78	Same	Same	Same	Same	24
10	Same	Same	Jan 79	Sep 82	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 42	Located SE corner of bldg 81.	Anemometer	None	35 ft	
2	Sep 43	Same	Selsyn	MI-144	Same	
3	Oct 48	Located on top of Base Operations Bldg.	Same	Same	38 ft	
4	Apr 53	Same	Same	Same	Same	
5	Feb 59	Located 1850 ft WSW of Weather Station.	AN/GMQ-11	RO-2	13 ft	
6	Apr 68	Located 580 ft ^{6.4'} from centerline of Rwy 35C.	Same	Same	Same	
7	Jan 71	Same	AN/GMQ-20	RO-362	Same	
8	Dec 78	Same	Same	Same	Same	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				DETAILS: ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
9	Sep 82	Same	Same	Same	Same	

A

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 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 = the observations when one or more of the above obstructions to vision occurred. Since more than one typ obstruction may be reported in the same observation, the sums of the individual categories may exceed 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 v. need not reflect the total observations with reduced visibility.

U.S. DEPARTMENT OF COMMERCE
 NATIONAL CENTER FOR ENVIRONMENTAL DATA
 WASHINGTON, D.C. 20540

WEATHER CONDITIONS

STATION: 1307 AF 1 STATION NAME: 70-91 YEARS: 12
 MONTH: _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
7-21			1.8	1.8	4.4		7.7	11.0	.8	1.7		11.1	100
8-21			2.7	2.4	4.4		9.3	13.6		1.6		15.0	408
9-21			1.6	2.1	4.5		6.2	16.0	1.2	1.9	.1	18.8	210
10-21		.1	2.5	1.2	6.8		11.3	17.4	3.1	2.2	.1	21.7	129
11-21		.2	1.7	.8	5.8		9.7	12.6	3.1	1.8		17.1	206
12-21			2.6	.4	5.9		9.5	9.3	4.7	1.6		17.1	117
1-21			3.1	1.3	2.7		6.9	9.5	3.1	.8		14.0	200
1-23			2.4	2.9	5.8		9.4	15.1	1.8	1.7		17.1	677
TOTALS		.3	2.6	1.6	5.1		8.9	12.4	2.2	1.5	.1	17.9	3747

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

700F35 VANCE AFB TX 73-81 APR
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-24	2.1	5.2				6.2	4.7	.6		.1	5.4	706
	3-15	2.5	5.2	.4			6.5	8.6				8.6	731
	16-30	1.3	5.6	.1	.4		7.7	17.7	1.3			18.5	791
	1-11	.7	5.2		.5		5.4	9.9	2.2		.1	11.1	808
	12-14	.7	4.9		.6		5.3	7.5	3.0		.6	10.4	810
	15-17	1.2	5.4		.7		6.1	7.4	1.2		1.7	10.1	809
	18-20	1.9	5.4		.5	.1	6.0	5.8	.9		1.7	8.2	777
	21-23	2.4	4.9			.1	4.9	4.2	.8		.7	5.5	740
TOTALS		1.6	5.6	.1	.3	.0	5.9	8.2	1.3		.6	9.7	6167

GLOBAL CLIMATOLOGY BRANCH
 USAF-TAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

123535 WANCE AFB OK 73-81 MAY
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	7.4	10.2			.1	10.2	7.8	.3			9.3	747
	03-05	5.0	10.2				10.2	13.6	.7			14.3	764
	06-08	3.4	9.1				9.1	23.2	1.7			24.6	916
	09-11	1.4	6.7				6.7	7.5	2.6		.2	9.7	931
	12-14	1.2	4.9				4.9	3.5	2.4			5.8	830
	15-17	2.5	6.7				6.7	3.0	2.2			5.2	927
	18-20	4.1	0.8			.1	6.8	4.2	2.5			6.5	804
	21-23	6.5	9.2				9.2	3.9	.8			4.7	777
TOTALS		3.9	7.9			.1	7.9	8.3	1.7		.0	9.9	6389

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723535 VANCE AFB OK 73-81 JUN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-2	3.4	6.3				6.3	1.7	.1			1.8	717
	03-05	4.6	6.8				6.8	8.7	.3			9.0	724
	06-08	2.3	5.6				5.6	10.9	.9			11.7	760
	09-11	2.8	4.8				4.8	4.9	1.8			6.3	794
	12-14	2.5	2.9				2.9	1.3	1.6		.1	2.9	755
	15-17	2.4	2.9			.1	2.9	.1	.9		.4	1.4	790
	18-20	3.8	3.1			.1	3.1	.5	.4		.5	1.4	767
	21-23	4.0	4.8				4.8	1.0			.1	1.1	733
TOTALS		3.2	4.7			.0	4.7	3.6	.8		.1	4.5	6795

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION LAKE ARCADIA STATION NAME 73-61 YEARS ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.0	2.6	1.6	5.1		8.9	12.4	2.2	1.5	.0	15.9	6742
FEB		.2	3.4	1.1	4.9		9.1	18.3	2.8	.8	1.3	22.6	5518
MAR		.9	7.5	.2	.7	.0	8.2	14.0	2.3	.1	.6	16.4	6792
APR		1.6	5.6	.1	.3	.0	5.9	8.2	1.3		.6	9.7	6167
MAY		3.9	7.9			.0	7.9	8.3	1.7		.0	9.9	6389
JUN		3.2	4.7			.0	4.7	3.6	.8		.1	4.5	6795
JUL		3.2	3.0				3.0	2.7	2.5		.1	4.9	6796
AUG		2.2	3.5			.0	3.5	3.2	3.3		.2	6.3	6416
SEP		1.3	4.9				4.9	8.3	2.9		.5	11.3	6151
OCT		.6	5.1				5.1	8.8	1.7		.2	10.0	6377
NOV		.5	7.7	.1	.7	.0	8.3	14.8	.8	.1		15.4	6139
DEC		.1	3.6	.3	1.8		5.6	11.9	.8	.5	.2	13.0	6252
TOTALS		1.4	5.0	.3	1.1	.0	6.3	9.5	1.9	.3	.3	11.7	74033

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.

CENTRAL CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 AIR WEATHER SERVICE/MAJ

XX **WEATHER CONDITIONS** XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

STATION NO. STATION NAME YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS OFF	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	.9	14.9	4.2	17.6		28.8	19.2	7.5	4.1	.4	34.3	1011
FEB		2.1	21.8	4.9	14.7	.3	28.9	34.2	7.1	2.8	.6	28.2	981
MAR		5.1	26.1	1.7	9.1	1.0	21.0	19.7	11.7	1.1	.3	34.0	1020
APR		13.0	31.6	.3	1.5	2.2	31.7	21.7	5.4	.1	.4	26.0	731
MAY		22.7	36.8			.1	26.4	26.2	6.1		.1	21.3	1111
JUN		24.1	23.6			.3	22.6	18.8	5.2		.4	11.1	1120
JUL		19.2	24.0			.5	26.2	11.2	5.0		.6	14.1	1019
AUG		13.7	28.4			.5	27.5	13.5	9.0		.9	13.1	1040
SEP		17.2	27.8			.5	27.0	22.1	6.0		.4	25.1	894
OCT		7.7	23.3		.3	.8	22.5	19.4	5.8		.2	21.3	1122
NOV		7.1	18.1	.7	5.8		20.2	23.0	4.6	.8	.6	25.6	1017
DEC		1.1	15.1	3.1	8.7		21.4	26.1	6.2	1.1	.2	26.7	1023
TOTALS		11.0	23.2	1.4	4.8	.7	28.2	22.6	7.5	.8	.5	26.1	1796

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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 1200GMT
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

2

GLOBAL CLIMATOLOGY BRANCH
 WPC/CLTAC
 AIR WEATHER SERVICE/CMC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 (FROM DAILY OBSERVATIONS)

STATION: LANCE AFB TX

42-51

STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	06-10	11-25	26-30	31-100	101-230	231-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-8.4	8.5-10.4	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	69.7	15.1	3.2	3.9	7.7	3.4	1.7	.4	.4					19.6	1172	3.6	8.1	.7	
FEB	67.7	16.3	1.5	3.9	7.5	4.0	2.3	1.2	.7					19.2	1127	1.27	4.4	.3	
MAR	67.7	11.1	3.2	4.1	7.6	3.3	7.1	3.1	.9					19.2	1112	1.55	7.6	.7	
APR	46.7	17.1	1.7	4.1	7.1	4.4	4.3	3.2	7.1	.3	.1			22.7	1073	7.74	9.74	.7	
MAY	5.7	16.9	7.6	4.2	7.7	4.5	4.4	4.4	7.8	.5	.1			27.4	112	5.37	15.97	.1	
JUN	1.7	13.7	1.2	4.7	7.7	4.5	7.7	4.2	7.7	.4				24.7	1117	7.31	7.91	.4	
JUL	69.7	11.4	1.8	3.0	7.5	3.1	3.7	3.1	7.0	.2	.7			20.3	1141	2.8	12.17	.4	
AUG	67.7	12.6	1.6	3.5	1.8	4.1	3.1	3.6	7.7	.2				20.1	1159	2.67	6.77	.34	
SEP	67.7	11.2	1.2	4.4	1.8	3.9	3.5	2.7	7.3	.5				27.5	1117	2.76	6.94	.49	
OCT	72.9	11.1	.9	2.2	1.9	3.0	3.3	7.5	7.1		.1			16.3	1167	1.67	10.56	TRACE	
NOV	75.7	9.1	1.7	3.6	7.1	2.5	7.7	1.3	1.2	.4				15.1	1126	1.49	4.72	TRACE	
DEC	72.9	13.4	1.7	3.1	3.7	2.4	2.1	1.1	.4					13.9	1147	.84	2.65	TRACE	
ANNUAL	67.7	13.2	1.8	3.7	7.4	3.7	3.1	2.7	7.8	.2	.7			19.4	13451	27.74			

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

7-7-4

YEARS

AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	.00*	.00*	.10*	2.01	.53	1.06	.37	2.31	1.31	1.21	.17	.14	.
2	.00*	.54	.18	.40	.	.03	2.42	.21	1.21	.97	.15	.14	.
3	.00*	.34	.18	.31	1.04	1.44	.55	.89	1.77	.67	1.40	.15	1.17
4	.22	.34	.57	1.19	.41	1.34	1.31	.89	1.54	.30	1.06	.	1.24
5	.00*	1.00	.	.	.63	.93	.1	2.97	1.50	1.00	1.13	.	1.4
6	.02	.	.	.	.	.	.	.	.	.	.	.	.
7	1.44	2.06	.00*	.00*	1.41	1.13	.22	.55	2.31	.63	TRACE	.14	1.22
8	.18	.19	.00*	.32	1.70	1.24	5.69	1.11	.77	.31	.24	.7	1.20
9	.00*	.00	.44	1.12	1.40	3.10	1.22	.74	.94	.81	1.04	.71	1.17
10	.00*	.75	.71	.70	1.77	.95	.13	1.54	.63	TRACE	.80	.00	1.24
11	.00*	.72	.80	1.22	1.12	2.40	1.88	1.57	.79	.44	.76	1.27	1.17
12	.00*	.23	.71	1.48	2.12	.65	.11	1.48	.10	.87	TRACE	.10	1.1
13	.4	1.33	.47	.24	2.10	2.53	1.24	.75	1.22	1.22	.15	TRACE	1.23
14	.00*	.70	.65	.44	.66	1.72	.27	.61	.54	1.24	.30	.75	1.10
15	.80	.53	.75	1.12	1.77	1.02	2.12	.35	1.3	.75	.64	.24	1.70
16	.00*	.09	1.03	.43	.20	1.97	1.42	1.77	.15	.27	.87	.70	1.42
17	.17	.16	.52	1.44	1.58	1.24	.92	.72	2.07	1.21	.16	.60	1.2
18	.00*	1.76	.30	.72	2.09	1.34	2.71	2.47	1.47	1.75	TRACE	.7	1.71
19	TRACE	TRACE	TRACE	.72*	1.66*	1.73*	1.65*	1.92*	1.70*	1.11*	2.67*	.70*	1.20
20	.50*	.11*	.91*	.02*	.37*	1.27*	1.60*	1.11*	1.70*	.60*	.41*	.56*	1.27
21	.10*	.07*	.99*	1.23*	.76*	4.27*	5.80*	1.12*	1.18*	2.07*	.90*	.71*	1.20
22	.00*	.32*	.34*	.45*	3.63*	.94*	.77*	.41*	.30	.18*	2.00*	.70*	1.17
23	.20*	.34	.16*	.75*	.34*	.74*	.42*	.71*	.90	.5*	TRACE	.70*	1.20
24	.00*	.46	TRACE	.51*	.11	1.14*	.71*	.85*	.40*	.67*	TRACE	.70*	1.10
25	.10*	.06	.08*	1.00*	.69	1.24*	1.25	1.11*	1.13	.44*	.07*	.	1.25
26	.00*	.10	.72	1.51*	1.55	1.36*	.98	1.97*	.38	1.01*	1.64*	.7	1.27
27	.4	.74*	1.27	2.29*	1.62	2.24*	.37	.86*	2.22	.50*	.01*	.70*	1.20
28	.00*	.10	.93	1.96*	1.23	.92*	1.17	1.69*	2.53	.87*	.73*	.70*	1.20
29	.67*	1.49	.31	.50*	.62	1.02*	1.51	.16*	2.01*	1.7*	1.68*	1.70	1.20
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

CLIMATE DIVISION
 CLIMATOLOGY BRANCH
 ETAC
 METEOROLOGICAL SERVICE/MAC

EXTREME VALUES
 PRECIPITATION

FROM DAILY OBSERVATIONS

STATION: WACO, TEXAS STATION NAME: WACO YEARS: 1951

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51	.16*	.36	.05	1.68*	1.40	1.07*	1.10	.90*	.52*	1.07*	.85*	.7	.7
52	1.16*	.70	2.70	.96*	.87	1.76*	1.67	1.67*	2.70*	2.30*	1.70*	.7	.7
53	.51*	1.83	1.62	1.61	1.66	.93	.42	2.12	2.51	1.77	2.70*	.7	.7
54	1.40	.92	.73	.36	2.21	1.12	.38	.51	.33	.47	1.17	.7	.7
55	.7	.13	.37	1.35	1.86	.75	.46	.52	1.37	1.46	.17	1.40	.7
56	.34	.49	.4	7.1	3.81	1.51	1.61	1.22	.77	.57	1.17	.7	.7
57	.25	1.67	.06	1.25	2.41	1.53	.82	.89	1.11	.47	.35	.7	.7
58	.7	.35	2.03	.75	7.40	1.71	.93	1.49	.85	.7	2.25	.7	.7
59	.7	.06	1.45	2.75	2.42	2.58	.74	.77	.70	2.25	.52	.7	.7
60	.15	.35	.71	.65	1.71	2.70	1.25	1.05	1.75	1.37	.45	.15	.7
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
MEAN	.475	.579	.626	1.224	1.957	1.443	1.168	1.125	1.337	.719	.719	.475	.719
S. D.	.474	.554	.484	1.292	1.473	.643	1.21	.624	1.335	.757	.81	.7	.719
TOTAL OBS.	1172	1227	1110	1273	1172	1117	1141	1156	1111	1167	1126	1127	1347

NOTE: * (BASED ON LESS THAN FULL MONTHS)

STATION NO. 02-11-7140

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

STATION NO. 02-11-7140 STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	.20*	.40*	.20*	2.37	.95	4.75	.73	5.86	5.73	2.5	.24	1.0	2.5
2	.4	.44	.65	1.11		1.77	7.45	1.54	1.65	1.17	1.28	2.11	2.5
3	.23	.73	2.55	1.75	1.88	3.25	2.42	2.96	4.35	1.65	4.71	2.13	2.5
4	.45	.75	2.45	1.10	1.55	2.93	2.77	1.42	5.55	.32	TRACE	.74	2.5
5	1.22	1.55			.92	1.41	.21	2.94	2.55	2.01	2.15	1.11	2.5
6	1.32												2.5
7	5.21	4.0	1.43	2.73	5.12	2.64	1.55	.99	3.29	.49	1.71	.32	2.5
8	.41	.35	.24	.13	5.17	2.55	12.12	7.95	1.23	.71	.44	.15	2.5
9	.51	2.35	1.72	1.34	5.79	7.63	2.93	.70	3.65	3.86	2.75	.21	2.5
10	.47	.98	1.25	2.37	2.19	1.23	.23	4.47	.65	TRACE	1.58	1.25	2.5
11	.11	1.49	1.73	1.75	2.74	4.16	5.36	2.11	.75	1.40	1.07	1.27	2.5
12	.31	.31	.47	2.40	4.27	1.66	.19	1.71	.42	1.55	TRACE	.74	2.5
13	.11	1.95	.21	1.20	10.22	5.24	2.00	1.74	4.45	3.95	.15	TRACE	2.5
14	.1	1.42	.71	.74	1.99	2.82	.79	1.45	.54	1.81	.34	.52	2.5
15	.49	1.17	2.36	5.47	15.95	7.81	3.58	.37	6.14	1.51	2.24	.24	2.5
16	.70	.52	3.54	1.0	.55	4.81	7.14	4.24	.59	.71	.95	.47	2.5
17	.22	.31	1.20	2.33	5.29	2.67	1.99	1.22	6.94	7.18	.11	1.63	2.5
18	1.4	3.25	1.22	.69	5.56	2.12	6.73	1.76	2.39	4.76	TRACE	.15	2.5
19	TRACE	TRACE	TRACE	.11*	4.54*	5.13*	3.24*	3.35*	5.96*	3.80*	3.65*	1.21*	2.5
20	1.52*	.13*	.97*	1.95*	.44*	5.78*	4.75*	1.29*	7.61*	2.44*	.97*	1.0	2.5
21	.14*	.7*	1.37*	1.87*	1.55*	6.16*	10.55*	2.47*	2.20*	2.34*	1.42*	.47*	2.5
22	.24*	.34*	.47*	.46*	5.59*	1.45*	.97*	.65*	.59	.26*	4.54*	.77*	2.5
23	.3*	.77	.46*	.25*	.34*	.12*	.7*	.35*	1.50	.54*	TRACE*	.13*	2.5
24	.6*	.97	TRACE	1.01*	.11	1.91*	1.08*	2.36*	.85*	.87*	TRACE*	.77*	2.5
25	.12*	.13	.20*	2.43*	1.54	3.21*	7.18	1.23*	2.45	.97*	.12*	.13	2.5
26	.44*	.23	.35	2.44*	3.5*	1.56*	1.45*	6.02*	.93	1.42*	4.17*	1.42	2.5
27	.44*	1.77*	2.44	5.19*	5.62	4.64*	.62	3.38*	4.45	1.71*	.22*	1.73	2.5
28	.1*	.10	2.65	5.23*	1.34	1.77*	2.31	2.93*	4.12	.98*	.25*	.43	2.5
29	1.11*	1.56	.21	1.94*	1.28	3.37*	2.49	.62*	4.62*	7.42*	1.71*	1.52	2.5
MEAN													
S D													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

U.S. WEATHER SERVICE
 METEOROLOGICAL BRANCH
 ETAC

EXTREME VALUES
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

STATION WACO, TEXAS STATION NAME 40-11 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1946	1.28*	.54	.89	1.07*	2.82	2.74*	3.14	2.99*	1.70*	4.34*	2.18*	1.00	18.97
1947	1.70*	.42	1.51	3.98*	1.64	2.24*	6.07	1.93*	5.44*	17.50*	1.39*	1.07	47.00
1948	1.42*	2.39	2.75	3.10	5.94	2.10	1.17	6.37	6.48*	4.27	2.63	1.59	34.10
1949	1.00	2.21	2.01	.62	2.03	2.27	1.6	1.14	.62	.63	2.49	.94	11.57
1950	.00	.83	1.02	1.07	1.16	.55	1.51	1.84	2.00	2.20	.10	TRAC	11.87
1951	.09	.83	.75	2.24	2.53	2.49	3.52	2.89	1.74	1.01	1.65	.71	20.72
1952	.00	2.21	.90	2.42	1.73	3.55	1.39	1.69	1.41	.69	2.74	.77	23.10
1953	1.18	.51	1.23	2.70	1.67	2.33	2.49	4.81	1.55	1.33	2.56	1.03	24.10
1954	.77	.68	2.34	4.15	1.43	1.84	.74	.34	1.01	2.04	.71	2.00	21.00
1955	.00	.66	1.65	1.27	2.73	1.66	2.96	1.84	2.71	5.17	2.26	.20	21.24
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
MEAN	1.204	1.268	1.348	2.143	1.369	2.310	2.608	2.674	2.753	1.865	1.494	.847	27.347
S D	1.110	.995	1.269	2.171	1.772	1.753	2.570	1.507	2.138	1.645	1.438	.779	10.011
TOTAL OBS	1172	1727	1716	1772	1172	1117	1141	1189	1111	1167	1128	1147	13471

NOTE: * BASED ON LESS THAN FULL MONTHS

2

CENTRAL CLIMATOLOGY BRANCH
 WAFB TAC
 AIR WEATHER SERVICE WAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 (FROM DAILY OBSERVATIONS)

723 35 WAFB TAC

46-01

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	7.4	12.1	2.6	2.8	1.7	.4	.1	.5	.1					7.5	1053	7.9	17.4	.7
FEB	5.1	8.5	2.1	1.9	.9	.8	.3	.5	.2					6.4	927	7.5	13.7	.7
MAR	2.4	5.7	1.2	.7	.5	.3	.2	.2						3.1	1002	1.7	13.1	.7
APR	3.5	1.1		.1		.1	.1							.3	971	.5	4.1	.3
MAY	100.7														1012	.0	.0	.3
JUN	100.7														1000	.0	.0	.3
JUL	100.7														1019	.0	.0	.3
AUG	100.7														1042	.0	.0	.3
SEP	100.7														994	.0	.0	.3
OCT	99.8	.2													1043	TRACE	TRACE	.7
NOV	64.7	4.1	.7	.3	.6	.1	.2							1.9	1017	.6	5.6	.3
DEC	97.7	6.5	.6	1.4	.9	.1	.1	.2						3.2	1023	1.1	8.5	.3
ANNUAL	74.7	3.2	.6	.6	.3	.1	.1	.1	.7					1.9	12096	10.7		

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION 46-1 STATION NAME 46-1 YEARS 46-1

AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	TRAC	.2			*	.	.	.	.		TRAC	TRAC	
47	.5												
48	1.7	TRAC	.4	TRAC									
49	1.1	TRAC	1.1	.2							TRAC		
50	1.3	3.4	TRAC	TRAC						TRAC	1.3		
51	1.0	5.5	TRAC	.1							.3		
52	1.2	2.2	TRAC	TRAC							1.2	TRAC	
53	1.2	TRAC	.4	.1									
54	1.1	TRAC	1.4	.2							1.1	TRAC	
55	.2	3.8	.4	TRAC								TRAC	
56	.4	.4	.7	TRAC						TRAC	TRAC		
57	.1	2.1	3.0	.0							.4		
58	1.1	1.6	3.0	TRAC								TRAC	
59	1.1	5.9	3.5	.0							TRAC	TRAC	
60	.0	TRAC	.2	.0	.0	.2	.2	.0	.2	.2	.2	.2	
61	TRAC	TRAC	.0	.0	.1	.2	.6	.0	.2	.2	.0	.2	
62	TRAC	TRAC	TRAC	.0	.2	.2	.2	.0	.2	.2	TRAC	1.1	
63	1.1	1.5	1.2	.0	.2	.2	.2	.2	.2	.2	.2		
64	1.1	2.5	.7	.0	.0	.2	.2	.2	.2	.2	TRAC		
65	1.1	.8	TRAC	.0	.2	.2	.2	.2	.2	.2	TRAC		
66	TRAC	2.0	2.2	.0	.2	.2	.2	.2	.2	.2	1.0		
67	TRAC	.3	.5	.0	.2	.2	.2	.2	.2	.2	.2	2.1	
68	.8	TRAC	0.7	1.0	.0	.2	.2	.2	.2	.2	TRAC	TRAC	
69	TRAC	9.6	.0	.0	.0	.2	.2	.2	.2	.2	3.5	1.2	
70	.0	7.3	.0	.2	.0	.2	.2	.2	.2	.2	3.7	3.1	
71	2.0	1.0	.0	3.2	.0	.2	.2	.2	.2	.2	TRAC	.2	
72	.2	.2	.0	.0	.0	.2	.2	.2	.2	.2	TRAC	2.0	
73	1.4	8.0	3.6	.0	.0	.0	.0	.0	.0	.0	.7	2.4	
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43	TRAC	1.2									TRAC	TRAC	
44	7.7												
45													
46	17.4	TRAC	1.7	TRAC									
47	1.1	TRAC	2.7								TRAC		
48	2.1	3.1	TRAC	TRAC						TRAC	1.1		
49	6.5	3.1	TRAC										
50	1.1	4.5	TRAC	TRAC									
51	1.1	TRAC											
52	1.1	TRAC	1.1									1.1	
53	1.4	1.2										TRAC	
54	1.1	1.4		TRAC						TRAC	TRAC		
55	1.1	2.4	1.1									1.1	
56	1.1	1.6	1.1	TRAC								1.1	
57	1.1	1.4	4.5									TRAC	
58			TRAC										
59	1.1	TRAC	1.1										
60	TRAC	TRAC											
61	TRAC	TRAC											
62	TRAC	TRAC	TRAC								TRAC		
63		1.1											
64		3.1											
65		1.1											
66		3.1											
67		1.1	TRAC										
68	TRAC	3.7	1.1										
69	TRAC	1.4											
70	TRAC	TRAC	11.1								TRAC	TRAC	
71	TRAC	3.9											
72	1.1	3.0											
73	1.1	1.1											
74	1.1	1.1											
75	1.1	1.1											
76	1.1	1.1											
77	1.1	1.1											
78	1.1	1.1											
79	1.1	1.1											
80	1.1	1.1											
81	1.1	1.1											
82	1.1	1.1											
83	1.1	1.1											
84	1.1	1.1											
85	1.1	1.1											
86	1.1	1.1											
87	1.1	1.1											
88	1.1	1.1											
89	1.1	1.1											
90	1.1	1.1											
91	1.1	1.1											
92	1.1	1.1											
93	1.1	1.1											
94	1.1	1.1											
95	1.1	1.1											
96	1.1	1.1											
97	1.1	1.1											
98	1.1	1.1											
99	1.1	1.1											
00	1.1	1.1											
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)



STATION NUMBER: 111111
 STATION NAME: [Illegible]

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: 111111 STATION NAME: [Illegible] YEARS: 1

DAILY RAINFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
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91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S D													
TOTAL OBS													

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME: 40-1 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
57	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
58	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
59	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
60	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
61	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
62	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
63	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
64	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
65	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
66	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
67	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
68	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
69	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
70	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
71	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
72	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
73	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
74	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
75	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
76	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
77	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
78	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
79	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
80	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
81	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
82	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
83	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
84	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
85	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
86	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
87	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
88	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
89	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
90	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
91	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
92	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
93	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
94	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
95	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
96	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
97	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
98	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
99	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
100	41NW	44W				50NW	71SE	70NW	50W	70NW	44W		
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-885 (OLA)

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

ONE QUARTER TOLUEN...
 STATION 5701101/440

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION 5701101/440 STATION NAME 44-11 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
7	30/ 4 34/	4870/ 432/	432/ 3625/	4416/ 5211/	5619/ 3517/	72 2/ 30 1/	37 3/ 77	10/ 47					
7	1/ 40 1/	4317/ 4334/	4122/ 6722/	39 3/ 4922/	422 / 77 1/	37 2/ 4423/	74	10/ 47					
7	1/ 3601/	3918/ 3917/	5326/ 4535/	5211/ 4501/	4117/ 4	1/ 37 1/	37 2/	10/ 47					
7	2/ 4225/	4173/ 4619/	4136/ 7372/	4213/ 5221/	46 1/ 57 2/	4035/ 3136/	74	10/ 47					
7	34/ 3735/	7323/ 4215/	7522/ 7 34/	4215/ 3215/	4501/ 3003/	4 71/ 07 2/	74	10/ 47					
7	3 / 2735/	7776/ 4023/	2933/ 5213/	5128/ 7411/	5225/ 47 1/	7777/ 4227/	74	10/ 47					
MEAN	42.0	42.6	42.5	47.0	47.5	48.1	43.1	41.9	42.1	41.6	4.4	4.4	47.0
S D	.458	5.643	5.546	5.665	8.972	10.456	10.695	9.526	7.656	8.927	7.372	4.273	6.777
TOTAL OBS	0	764	644	575	697	853	879	89	866	925	647	174	1264

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

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

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NAME: LAKE ARBOK STATION NUMBER: 74-81 YEARS: JAN
 CLASS: ALL WEATHER MONTH: 1990-1990
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.4	4.1	7.2	1.1	1.7	.2					16.1	12.9
NNE	.0	.9	1.8	2.3	.5							5.9	10.3
NE	.0	.2	.8									2.1	5.8
ENE	.0	.5	.5									1.7	4.5
E	.0	2.0	2.3	.2								4.9	6.2
ESE	.0	2.9	1.5	.3								5.1	6.2
SE	.0	2.0	1.2	.5								4.4	6.6
SSE	.0	1.7	2.6	1.7	.2							6.6	8.4
S	.0	3.2	3.7	2.1	1.2							11.2	9.2
SSW	.0	.9	1.7	1.7								4.9	8.5
SW	.0	1.4	1.2									3.2	5.7
WSW	.0	1.1	1.2	.2								3.4	5.8
W	1.0	3.2	1.5									6.3	5.2
WNW	.0	1.2	.8									2.9	4.9
NW	.0	2.0	.5	.6	.3							3.5	7.6
NNW	.0	2.0	2.1	2.6	.5	.0						8.1	10.3
CALM	X X X X X X X X X X X X											9.8	
	10.0	27.3	27.6	19.3	3.7	2.1	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 652

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 722535 LANCE AFB TX STATION NAME 73-81 YEARS JAN
 CLASS ALL WEATHER MONTH 0300-0500
 HOURS (L.S.T.)
 CONDITION

SPEED KNTS D-R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.9	4.9	8.0	2.6	1.4	.7					20.2	13.1
NNE	.8	1.6	.9	1.1	.3	.3						5.7	9.7
NE	.4	1.3	1.7	.3								3.7	7.0
ENE	.1	1.4	1.0									2.6	6.0
E	.4	1.0	1.1									2.6	5.8
ESE	.6	1.0	1.1									3.2	5.4
SE	.7	2.3	1.1	.3								4.3	6.6
SSE	.4	1.4	1.7	2.1								5.7	9.0
S	1.1	2.4	2.4	3.7	1.3							11.0	10.1
SSW	.9	1.4	1.4	.9	.1							4.7	7.6
SW	.0	2.1	.7	.1								3.3	5.9
WSW	.5	1.9	1.1									3.6	5.6
W	.7	2.4	1.9									5.0	5.7
WNW	.7	1.4	1.6	.3								4.3	6.3
NW		3.3	.9	.6								4.7	6.9
NNW	.4	.7	2.0	2.3	.7	.3	.1					6.6	11.7
VARBL													
CALM												13.0	
	0.5	28.1	25.6	19.8	5.0	2.7	.9					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 678

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

720525 STATION WANCE AFB OK STATION NAME 73-81 YEARS JAN MONTH
 ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.0	5.7	6.0	3.6	1.5	.4					21.0	12.6
NNE	.4	.6	1.5	1.6	.3	.3						4.7	10.2
NE	.7	.6	2.5	.4								3.6	7.9
ENE	.3	.7	1.1									2.3	6.6
E	.5	1.8	1.1									3.4	5.6
ESE	.3	1.0	1.0									3.1	6.3
SE	.3	1.0	.9	.3								2.4	6.5
SSE	.9	2.4	2.0	1.0								6.3	7.1
S	.6	3.0	3.4	4.4	1.3	.1						13.7	9.8
SSW	.4	.7	.8	.9								2.9	6.1
SW	.5	1.6	1.6	.1								3.9	6.1
WSW	.7	.7	.6									1.9	5.5
W	1.7	3.1	1.3	.1								5.3	5.0
WNW	.7	1.6	.6	.4	.1							3.5	6.4
NW	.5	2.3	1.5	1.4	.3							6.0	5.3
NNW	.3	1.5	2.3	1.9	.5	.1						6.8	9.7
VARBL													
CALM												8.7	
	.2	28.3	27.9	18.5	6.0	2.7	.4					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 795

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

SURFACE WINDS

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

723505 WANCE AFB OK 73-81 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 000-1100
CONDITION HOURS (LST)

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.3	6.7	3.2	2.3	2.5	.4					71.9	13.3
NNE	.5	.5	1.8	1.9	.6							5.8	10.4
NE	.1	.5	1.8	1.2								3.6	9.5
ENE		.1	1.3	.2								2.4	7.4
E	.4	.9	1.8	.1								3.1	6.7
ESE	.7	1.0	.6	.4								2.2	7.2
SE	.7	.7	1.9	.5								3.9	7.5
SSE	.5	1.2	1.8	1.9		.1						5.7	9.4
S	.7	2.1	3.5	4.1	1.8	.7						12.5	11.9
SSW	.1	.9	1.8	1.8	.8							5.4	11.0
SW	.5	1.2	1.1	1.1	.2							4.1	8.7
WSW	.4	.4	.7	.2								1.7	7.3
W	.8	2.8	1.6	.7								5.9	6.5
WNW	.8	2.1	.8	.6	.4							4.7	7.3
NW	.7	1.0	1.5	1.2	1.0	.1						6.2	9.5
NNW	.2	.7	1.9	2.8	1.1	.4	.1					7.3	12.6
VARBL													
CALM												4.1	
	6.3	19.8	30.1	27.1	8.2	3.9	.5					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 827

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NAME VANCE AFB TX YEARS 73-81 MONTH JAN
 CLASS ALL WEATHER HOURS (L & T) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.5	5.2	7.9	2.9	1.0	.1					1.7	12.5
NNE	.5	.6	2.2	1.7	.9	.1						5.9	11.7
NE	.4	.7	.6	.1	.7							2.1	7.8
ENE	.1	.3	.8	.2	.1							2.2	7.7
E	.2	.1	1.5	.4								2.9	7.7
ESE	.1	1.1	.2									1.5	5.3
SE	.1	.9	.4									1.9	8.3
SSE	.4	1.2	1.6	1.7	1.1							5.5	10.2
S	.1	2.1	3.5	5.1	2.5	.9						14.2	12.8
SSW	.1	.7	2.5	2.4	.6	.2						6.7	11.5
SW	.4	1.1	.7	1.1	.7							3.9	10.3
WSW	.1	1.1	1.1	1.1	.1							4.1	6.0
W	1.2	1.5	.8	1.5	.1							5.1	7.3
WNW	.1	.1	1.5	.7	.2							3.1	9.0
NW	.4	.5	1.5	1.8	1.3	.1						5.7	12.1
NNW	.2	.6	2.7	4.7	.7	1.8	.1					10.2	13.9
VARBL													
CALM												3.1	
	6.2	16.6	27.2	30.0	11.5	5.1	.2					106.3	10.6

TOTAL NUMBER OF OBSERVATIONS 326

FEDERAL CLIMATOLOGY BRANCH
 WPC/ATAC
 AIR WEATHER SERVICE/MAAC

SURFACE WINDS

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

OFFICE: WAGL AFB OK STATION NAME: 73-81 YEARS: JAN
 STATION: _____ MONTH: 1977-1977
 CLASS: ALL WEATHER HOURLY: 1
 CONDITION: _____

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.5	4.6	1.1	3.3	1.4	.7					22.1	10.7
NNE		1.7	.7	2.0	.4							4.2	11.2
NE	.1		1.2	.5								2.3	5.3
ENE	.4	1.5	1.5	.5	.1							4.3	6.4
E	.7	1.4	1.5									3.3	6.7
ESE		1.1	.6									2.2	6.4
SE	.1	1.1	.9	.9								3.1	8.1
SSE	.1	.7	3.4	2.2	.2	.2						7.5	9.9
S	.1	2.1	3.1	5.4	1.8	.4						13.2	11.8
SSW	.7	1.0	1.5	1.8	1.0	.1						5.9	11.7
SW	.1	1.1	.6	1.2								3.2	7.2
WSW	.4	.7	.5	.2								2.7	6.4
W	.4	1.7	.6	.7	.1							3.6	7.1
WNW	.1	.2	1.0	.6	.4							2.3	10.3
NW	.2	.1	1.4	1.6	.5							5.6	9.1
NNW	.7	1.7	1.2	2.5	2.3	1.1						9.5	13.2
VARBL												4.7	
CALM												4.7	
	7.0	19.7	24.4	37.3	10.2	3.2	.2					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 813

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

104038 STATION VA-CL AFB OK STATION NAME 77-81 YEARS JAN MONTH
 ALL WEATHER CLASS 1977-2000 HOURS (L E T)
 CONDITION

SPEED KNOTS DIR	1-3	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	3.6	8.7	.0	.7						17.4	13.9
NNE	.8	1.7	2.0	1.7								8.2	8.7
NE	.7	1.1	1.2	.3								3.2	6.2
ENE	.1	1.4	.7	.3								2.7	5.3
E	1.7	1.6	1.3	.3								4.7	5.3
ESE	.7	2.1	.9	.4								3.7	6.0
SE	.3	2.3	.1	.1								3.3	6.0
SSE	1.0	3.2	3.7	2.3								11.2	7.7
S	1.1	4.0	5.2	2.3	.7							14.1	8.0
SSW	.1	1.1	2.4	.9								5.1	7.9
SW	.0	.0	.4									1.1	5.9
WSW	.4	.7		.1								1.2	4.9
W	.4	.7	.7	.1								1.8	5.5
WNW	.0	.0	.3	.1								2.4	5.6
NW	.0	2.0	1.2	.7	.1							4.5	6.3
NNW	.4	1.0	1.2	1.5	.8	.3						6.2	10.3
VARBL													
CALM												9.3	
	10.5	25.3	27.0	13.5	2.5	.8						170.2	7.7

TOTAL NUMBER OF OBSERVATIONS 760

2

U.S. FAC. CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE /MAC

SURFACE WINDS

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

STATION: LAKE ARDOK STATION NAME: 77-81 YEAR: JA
 MONTH: NOV
 CLASS: ALL WEATHER
 HOURS: 2400
 CONDITION: _____

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.0	3.1	5.0	.6	.4	.4					14.0	11.9
NNE	.7	1.0	2.4	1.6	.7	.1						7.1	6.7
NE	.7	1.2	.4	.6								3.1	6.0
ENE	.7	.7	.3									1.3	4.4
E	1.1	2.2	1.8	.1								3.9	5.7
ESE	.7	2.2	1.6	.4								4.0	6.6
SE	.7	2.4	.7	.4								4.4	6.9
SSE	.4	2.2	2.9	1.5	.1							7.8	6.1
S	.4	4.7	5.6	2.1	.7							13.8	6.1
SSW	.4	1.3	2.8	1.5								6.8	7.8
SW	.7	.4	.7	.4								1.4	6.0
WSW	.7	.4	.4									1.2	6.1
W	.0	3.0	.7	.3	.3							3.6	6.2
WNW	.7	2.1	.4	.3								3.1	6.6
NW	.1	.7	1.2	.3	.1							2.5	6.2
NNW	.7	1.8	1.9	1.5		.7						6.7	6.7
VARBL													
CALM												2.2	
	10.0	22.2	29.2	13.0	2.7	.6	.4					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 674

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL CLIMATOLOGY BRANCH
 WEATHER SERVICE/NAAC

SURFACE WINDS

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

STATION NAME: WANCE AFB TX STATION NUMBER: 77-81 YEAR: 77 MONTH: JAN
 CLASS: ALL WEATHER ALL MONTHS: ALL
 CONDITION: _____

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	0.0	4.7	7.9	2.7	1.5	.3					10.0	12.0
NNE	.0	1.1	1.7	1.8	.4	.1						5.5	6.9
NE	.0	.0	1.7	.4	.0							7.0	7.4
ENE	.0	1.1	.0	.2	.0							2.5	5.5
E	.0	1.7	1.5	.1								3.3	5.1
ESE	.0	1.0	.9	.0								3.1	6.7
SE	.0	1.7	1.3	.4								3.7	6.3
SSE	.0	1.7	2.6	1.0	.2	.0						7.1	6.7
S	.0	.1	3.9	3.7	1.5	.3						17.0	12.7
SSW	.0	1.1	1.0	1.5	.3	.0						5.7	5.4
SW	.0	1.2	.0	.5	.1							2.2	7.5
WSW	.0	.0	.7	.2	.0							2.4	6.4
W	.0	2.3	1.1	.5	.1							4.3	6.1
WNW	.0	1.3	.9	.4	.1							3.3	7.0
NW	.0	1.7	1.2	1.1	.5	.0						5.0	6.9
NNW	.0	1.4	1.0	2.4	.9	.4	.0					7.7	11.6
VARBL													
CALM												7.2	
	7.1	24.5	7.3	27.1	6.5	2.6	.3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS: 141

FEDERAL AVIATION ADMINISTRATION
 AIR TRAFFIC SERVICE
 WASHINGTON, D.C. 20515

SURFACE WINDS

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

STATION: AF 13 STATION NAME: 13, 75-81 YEARS: 1975-81

CLASS: ALL WEATHER MONTH: ALL MONTHS

CONDITION: _____

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	3.0	5.7	2.8	1.0	0.0	0.0	0.0	0.0	0.0	17.5	12.0
NNE	0.0	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	7.8
NE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.8
ENE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.8
E	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.8
ESE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.8
SE	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.5
SSE	0.2	3.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.5
S	1.0	4.0	5.0	4.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	9.0
SSW	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	8.0
SW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.8
WSW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.4
W	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.8
WNW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.4
NW	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.4
NNW	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.8
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0
TOTAL	1.4	25.6	28.9	22.7	4.8	1.2	0.5	0.0	0.0	0.0	0.0	100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 1000

CENTRAL CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION: WANCE AFB, TX STATION NAME: WANCE AFB, TX YEARS: 77-81 PER MONTH: ALL MONTHS
 CLASS: ALL WEATHER HOUR: 0000-2400
 CONDITION: ALL WEATHER

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.7	4.0	2.8	2.5	.5	.3					17.7	12.2
NNE	.0	1.4	2.1	2.1	.3	.2						6.5	7.5
NE	.0	.0	1.4	.6	.2							3.4	7.4
ENE	.0	.0	.6	.2								1.2	5.7
E	.0	1.7	1.1	.8								3.6	6.8
ESE	.0	.0	1.3	.5								2.7	7.9
SE	.0	.0	.2	.2								2.3	6.4
SSE	.0	2.3	5.1	1.3								13.1	7.4
S	.0	3.2	4.8	2.6	.6							13.3	6.9
SSW	.0	.0	1.4	1.0								2.2	9.5
SW	.0	1.1	1.3	.5								3.3	6.3
WSW	.0	.6	.6									1.8	5.3
W	.0	.0	1.0		.7	.2						4.8	7.4
WNW	.0	1.1	1.6	.5	.2	.2						4.4	8.5
NW	.0	.0	1.7	.3	.2	.5						4.6	11.7
NNW	.0	1.0	1.1	1.9	.3							5.5	9.2
VARBL												0.5	
CALM												0.5	
	1.3	25.2	32.2	21.1	5.2	1.0	1.2					110.0	6.4

TOTAL NUMBER OF OBSERVATIONS 671

2

FEDERAL BUREAU OF SURVEY
 WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION WALLACE FIELD NY STATION NAME ALL WEATHER CLASS ALL WEATHER YEARS 73-81 MONTH FEB
 HOURS 610-800
 CONDITION

SPEED KNOTS DIR	1-3	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	4.3	6.9	3.3	.5						18.1	12.0
NNE	.4	1.8	2.2	1.1	.3							5.8	6.6
NE	.1	.2	1.2	.7	.1							3.1	5.5
ENE	.1	.5	.8	.3								2.1	7.4
E	.1	1.0	1.0	1.1								3.7	5.1
ESE	.1	.5	.8	.1								1.9	7.1
SE	.7	2.3	3.7	.4								6.7	7.5
SSE	.0	3.1	4.0	1.8								10.3	7.0
S	.0	3.3	2.9	3.7	.7							17.7	9.0
SSW	.0	1.0	.2	.4								5.2	6.1
SW	.0	.7	1.2	.4								2.9	7.4
WSW	.0	.7	.3	.1								1.5	5.6
W	.0	4.0	2.1	.3	.1							7.3	5.1
WNW	.0	.0	.4	1.0								2.7	7.6
NW	.0	1.4	1.0	.5	.5	.1	.5					4.5	11.9
NNW	.0	.7	1.6	3.0	1.2	.1	.1					7.3	12.3
VARBL												6.3	
CALM													
	5.0	26.9	28.6	21.8	6.3	.8	.7					100.0	.4

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AND WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WALCE AFB OK STATION NUMBER 73-81 YEARS 1978-1981 MONTH ALL
 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	1.2	3.6	3.1	2.4	1.2	.4					17.3	13.6
NNE	.1	1.2	1.7	2.5	.8							6.3	10.8
NE	.1	1.2	1.7	.7	.3							4.0	5.7
ENE	.1	.2	1.3	.3		.1						2.5	8.4
E	.1	.7	2.4	.7								3.5	5.8
ESE	.1	.5	.5	.1	.3							1.6	4.1
SE	.2	1.2	1.6	.8								3.3	7.9
SSE	.7	1.5	2.4	1.9	.1	.1						6.2	9.3
S		.3	5.2	7.1	1.2	.1						14.4	11.9
SSW	.4	.3	.7	2.6	1.3	.5						6.3	13.4
SW	.2	1.2	.8	1.5	.1							4.5	6.7
WSW	.7	.5	1.3	.5								2.8	7.7
W	.1	1.7	2.2	.4	.1	.1						4.5	8.7
WNW	1.1	.7	1.1	.5	.5	.1						4.2	8.8
NW	.1	.4	1.3	1.7	.7	.3	.1					4.6	12.8
NNW	.7	1.1	2.7	4.9	1.3	.8	.4					11.1	13.4
VARBL													
CALM												2.1	
	4.5	15.5	29.8	34.3	9.1	3.3	1.1					170.1	12.2

TOTAL NUMBER OF OBSERVATIONS 756

2

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

SURFACE WINDS

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

STATION 73-81 NAME LAKE AFB OK STATION NAME 73-81 YEARS 1930-1937 MONTH ALL
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
 CONDITION

SPEED (KNTS): D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.1	3.4	7.2	3.4	1.1	.3					16.6	13.7
NNE	.4	.5	2.3	2.8	.5							6.5	10.8
NE	.4	.9	.8	.7	.3							3.0	6.2
ENE	.7	.4	1.3	.1								2.1	7.7
E	.1	.3	2.7	.5	.1							3.0	9.0
ESE		.7	.5	.3								1.7	9.0
SE	.7	.3	.9	.7								2.3	7.1
SSE	.5	1.5	.5	2.0		.3						4.3	9.7
S	.4	1.1	3.7	7.7	2.8	1.2						16.2	13.5
SSW	.1	.7	1.7	3.7	2.3	.1						8.6	13.6
SW	.6	1.1	1.2	2.0	1.2	.3						6.5	11.2
WSW	.7	.7	.7	.8								2.3	7.6
W	.7	1.2	1.1	.9								3.3	8.4
WNW	.7	.4	.8	.7	.5	.3						2.8	12.1
NW	.7	1.3	1.3	2.8	1.3	.9						7.9	13.1
NNW	.5	1.7	1.1	4.2	1.5	.9	.3					10.2	13.3
VARBL													
CALM												1.6	
	5.7	13.4	22.0	37.0	13.9	5.7	.5					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 755

GLOBAL CLIMATOLOGY BRANCH
 AFM/TETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1979-81 VANCE AFB OK

73-81

FL
 MONTH

STATION

STATION NAME

YEARS

ALL WEATHER

1900-1999
 HOUR 1-24

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.6	4.2	7.7	2.2	1.5	.1					15.5	12.1
NNE		1.4	2.8	2.6	.4							7.6	6.9
NE	.3	.5	1.1	.5	.1							2.1	2.5
ENE	.7	1.2	1.2									2.7	2.8
E	.4	1.5	1.4	.4								3.7	6.0
ESE		.7	.3	.3								.7	2.7
SE		.0	1.4	.8								3.0	3.4
SSE	.7	1.2	1.6	1.4	.1							4.0	6.7
S	.7	2.7	3.2	7.7	3.8	1.5						15.7	12.2
SSW	.4	.9	1.5	3.8	1.2	.1						6.0	11.9
SW	.4	.4	1.2	3.0	.7							5.7	11.9
WSW	.4	.7	.5	.4	.1							2.2	7.8
W	.3	.4	.4	.3								1.4	6.7
WNW	.3	.7	1.2	.5	.3							3.2	6.7
NW	.4	1.7	1.8	2.3	1.4	.3	.3					7.8	12.1
NNW	.3	1.1	2.7	2.2	1.4	.7	.1					8.4	12.7
VARBL													
CALM												1.5	
	5.4	16.5	25.8	34.2	11.6	4.2	.5					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

74

FEDERAL CLIMATOLOGY BRANCH
 AFSSAC
 AIR WEATHER SERVICE/NAO

SURFACE WINDS

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

STATION VANCE AFB TX STATION NAME 77-81 YEARS 1977-1978
 CLASS ALL WEATHER MONTHS 1200-2000
 HOURS (LST)
 CONDITION

SPEED KTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.7	4.8	4.1	2.8	.4						12.5	10.4
NNE	.4	1.7	2.5	2.6	.1							7.6	9.7
NE	.7	1.7	1.0	.4	.1							3.2	7.0
ENE	.9	1.2	1.7	.6								3.2	7.0
E	.0	2.5	1.7	.6								4.5	5.0
ESE	.7	1.2	.6	.1								2.5	5.7
SE	.7	2.0	2.2	.1								4.9	6.5
SSE	.3	3.7	4.8	2.5								11.4	8.7
S	1.2	3.7	7.0	4.8	.3	.1						17.2	8.9
SSW	.7	.4	1.7	.7								3.3	8.0
SW	.7	1.7	1.0	.4								2.8	7.3
WSW	.7	.4		.1								.9	8.7
W	.1	.0										1.0	4.4
WNW	.7	1.2	.7									2.2	8.0
NW	.7	.7	1.2	1.0	.3	.1						4.1	9.7
NNW	.0	1.7	1.2	1.5	.7	.1						6.5	9.7
VARBL													
CALM												6.1	
	2.0	27.7	30.7	21.1	4.4	1.1						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 667

2

FEDERAL CLIMATOLOGY BRANCH
 AF TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WALCE AFB OK STATION NAME 73-61 YEARS 1977-2000 MONTH FEB
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.0	4.7	7.2	2.3	.6	.3					20.3	11.1
NNE	.8	1.7	1.4	.6	.6							5.5	8.3
NE		1.1	1.4	.8	.3							4.7	8.6
ENE		1.0	1.3	.3								2.9	7.6
E	.7	1.4	1.1	.6								3.7	7.7
ESE	.7	2.4	1.1	.3								4.2	6.5
SE	.3	2.1	2.7	.3								5.9	6.5
SSE	.6	3.5	4.8	2.3								11.1	8.1
S	.6	4.7	4.8	4.5	.3							14.3	8.8
SSW	.7	.6	2.3	.5	.2							3.9	8.5
SW	.2	1.3	1.6	.2		.2						3.3	7.2
WSW	.7	1.0	.2	.3	.2							1.3	6.3
W	.7	1.6	.6									2.9	5.5
WNW	.7	.5	.5	.2								1.3	7.9
NW	.7	.3	.3	1.1	.2	.2						2.5	12.4
NNW	.6	1.4	.3	1.1	1.1	.2						4.3	11.0
VARBL												7.1	
CALM													
	7.2	29.4	49.3	20.4	5.1	1.1	.3					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 622

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

127335 STATION VANCE AFB OK STATION NAME 73-81 YEARS FEB MONTH ALL WEATHER CLASS ALL HOURS (L & T) CONDITION

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	4.1	7.2	2.7	.9	.2					13.1	10.3
NNE	.4	1.1	2.0	2.1	.4	.7						6.4	9.7
NE	.7	1.1	1.2	.7	.2							3.6	8.3
ENE	.7	.7	1.1	.2		.7						2.6	7.1
E	.4	1.3	1.4	.6								3.7	7.7
ESE	.6	.7	.9	.3	.0							2.3	7.3
SE	.6	1.7	2.1	.5								4.6	7.0
SSE	.7	2.5	3.5	1.8		.1						3.4	5.1
S	.7	2.9	4.5	5.5	1.4	.4						15.7	10.6
SSW	.7	.7	1.4	1.6	.7	.1						5.1	11.4
SW	.7	.7	1.2	1.1	.3	.1						4.1	9.1
WSW	.4	.7	.5	.3	.1							2.2	7.0
W	.3	1.4	1.0	.3	.1	.1						3.6	7.1
WNW	.5	.7	.7	.5	.2	.1	.7					3.8	6.6
NW	.4	1.1	1.2	1.4	.7	.3	.2					5.2	11.7
NNW	.5	1.3	1.3	2.8	1.7	.4	.1					7.4	12.0
VARBL													
CALM												4.7	
	5.7	22.5	25.4	27.7	7.8	2.4	.6					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 5517

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION VANCE AFB TX STATION NAME 73-81 YEARS 1957-1960
 CLASS ALL WEATHER MONTH NOV
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.2	2.9	4.4	2.1	1.1	.2					12.5	12.2
NNE	.0	1.2	1.2	2.5	.2							5.3	8.8
NE	.0	.2	1.2	.5								2.7	7.6
ENE	.0	1.2	.6	.3								2.3	6.9
E	.0	2.1	1.2	.5								4.8	8.7
ESE	.0	1.1	1.7	.3								3.5	7.7
SE	.0	1.8	4.3	1.2		.2						7.9	8.4
SSE	.0	2.9	3.3	3.5	.6							15.9	9.5
S	.0	2.4	6.2	7.1	2.1	.5						18.5	11.7
SSW	.0	2.1	1.4	1.2								5.2	7.5
SW	.0	1.5	.5	.2								2.4	5.3
WSW	.0	.3										.5	4.3
W	1.4	2.1	.7	.2	.5							4.4	5.6
WNW	.0	1.2	.5	.3	.2	.2						2.4	6.6
NW	.0	1.1	1.1	1.4	.6	.3						4.7	10.8
NNW	.0	.5	.9	1.5	.9	.5						4.7	12.9
VARBL													
CALM												7.6	
	1.1	23.7	27.2	24.5	7.1	2.6	.2					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 656

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WANCE AFB OK STATION NAME 77-81 YEARS VA
 MONTH 12
 HOURS (LST) 00-23
 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	.7	1.3	3.7	7.2	3.2	.7						12.1	12.6
NNE	.2	.4	1.4	.4								3.5	6.0
NE		1.1	2.0	.7								7.9	7.0
ENE	.7	1.2	.7	.3								2.9	6.7
E		0.2	1.9	.1								4.2	6.5
ESE	.1	1.7	1.7	.6								3.5	8.0
SE	.1	1.3	4.2	.7								8.5	7.3
SSE	.1	2.7	3.6	2.6	.6							9.5	9.2
S	.2	2.4	4.7	7.2	.9	.1						15.6	10.8
SSW	.7	2.2	1.7	.9	.7							8.3	6.9
SW	.2	1.6	.7									2.8	5.3
WSW	.2	1.7	.1									1.7	4.7
W	1.2	4.7	1.2	.1	.1							6.6	5.6
WNW	.4	1.7	1.2	.4	.3	.1						4.2	6.3
NW	.6	1.6	.7	1.3	.7	.3						5.2	10.3
NNW	.4	1.3	1.7	2.2	.4	.4	.4					6.2	12.3
VARBL													
CALM												6.2	
	7.8	27.4	9.3	20.3	6.9	1.7	.4					100.1	8.5

TOTAL NUMBER OF OBSERVATIONS 694

FEDERAL CLIMATOLOGY BRANCH
 FT 40
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

70855 WANCE AFB TX 77-81
 STATION STATION NAME MONTH
 ALL WEATHER CLASS HOUR LFT
 CONDITION

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.7	4.1	2.5	7.7	.6						1.4	11.9
NNE		1.7	.8	1.0	.1							3.6	9.4
NE		2.2	.8	.9								3.7	8.7
ENE		1.0	1.4	.4								7.0	8.7
E		2.7	1.5	.4								4.1	6.7
ESE	.1	1.7	1.5	.4								3.7	7.7
SE	.7	2.7	3.6	.8	.1							7.1	7.7
SSE	.7	2.7	3.5	7.2	.6							10.4	8.6
S	.7	1.7	4.5	5.1	.9	.1						13.1	10.4
SSW	.6	1.1	2.2	1.7	.5							5.0	9.6
SW	.8	1.7	.7	.4	.4							2.0	8.7
WSW		1.1	.7									2.0	8.7
W	1.0	2.7	.7	.3								4.7	8.7
WNW	.7	.7	1.1	.6	.5							4.0	8.5
NW		.7	1.6	1.5	.1	.4						5.0	9.9
NNW	.1	1.7	1.7	1.6	1.1	.9	.4					7.9	12.4
VARBL												7.1	
CALM													
	5.0	23.8	30.5	20.8	7.4	2.0	.4					10.0	8.7

TOTAL NUMBER OF OBSERVATIONS 871

2

U.S. AIR FORCE METEOROLOGICAL BRANCH
 WINDY
 SERVICE/MAO

SURFACE WINDS

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

STATION NAME: WINDY AFB TX STATION NUMBER: 77-01
 CLASS: ALL WEATHER
 MONTH: 12-1957
 HOURS: 157

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	.0	1.0	3.0	5.7	7.1	.0	.0					15.1	10.7
NNE	.0	.4	1.8	.8	.0							7.6	7.1
NE	.0	1.0	1.7	.0								7.0	6.6
ENE	.0	.0	.7	.0								2.4	6.6
E	.0	.0	.5	.8								2.4	7.0
ESE	.0	1.0	.6	1.2								1.5	7.0
SE	.0	1.0	2.3	1.0	.0							5.7	10.1
SSE	.0	.7	1.2	2.6	1.1	.0	.1					6.0	12.0
S	.0	1.2	3.6	5.1	4.0	1.4	.0					7.5	14.4
SSW	.0	.4	2.2	2.0	3.6	1.2						4.4	13.7
SW	.0	.0	.7	2.0	.0	.5						5.6	12.7
WSW	.0	.0	1.0	.8	.2	.1						2.9	9.6
W	.0	.0	.6	1.0	.2	.1						3.2	10.6
WNW	.0	.0	.4	.7	.5	.4						2.9	10.7
NW	.0	.0	1.0	1.6	2.0	.6						5.7	14.9
NNW	.0	.0	1.6	2.5	1.7	.7	.2					7.8	14.1
VARBL													
CALM												2.3	
TOTAL	11.2	22.1	32.4	19.6	5.1	.7						100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 157

U.S. AIR FORCE
 AIR FORCE CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/AMC

SURFACE WINDS

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

STATION ALICE AP, TX STATION NAME 17-61 YEARS 1951
 MONTH NOV
 CLASS ALL WEATHER
 CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	0.7	7.6	4.1	2.4	.7						11.7	10.7
NNE	.1	1.2	1.2	.9	.4							4.1	6.9
NL	.	1.3	.2	.5								1.2	6.5
ENE	.	7.3	.8	.5								4.1	4.7
E	.4	7.3	1.4	.5	.1							4.1	7.3
ESE	.5	1.4	1.6	.9								4.5	7.5
SE	.3	2.1	1.5	1.6	.1							7.8	7.5
SSE	.1	7.3	4.1	7.7	1.2	.1						11.4	11.0
S	.1	7.4	7.1	5.4	1.2							17.5	10.1
SSW	.	.	.1	.3								2.1	6.6
SW	.	.7	.7	.1		.1						1.4	6.7
WSW	.	.	.1	.4	.4	.1						1.2	14.4
W	.	1.7	.7	.4	.7	.4						5.8	17.4
WNW	.	.	.7	.5	.1	.1						2.7	9.9
NW	.	1.1	.2	.7	.7							3.5	9.4
NNW	.	.5	1.3	1.6	1.2	.2						6.8	10.9
VARBL												5.7	
CALM												5.7	
	1.4	7.4	7.4	2.4	5.0	1.4						110.0	8.7

TOTAL NUMBER OF OBSERVATIONS 760

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION NAME: LA JOLLA AFB YEARS: 77-81 MONTH: MAY

CLASS: ALL WEATHER HOURS PER DAY: 100-000

CONDITION: _____

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.3	4.4	4.4	.9	.9						11.9	10.8
NNE	.1	.8	1.0	.9	.1							3.0	9.0
NE	.1	.1	1.9	.6								3.5	7.8
ENE	.1	1.0	.7	.7								2.3	7.4
E	.1	2.9	1.6	.9								6.0	8.6
ESE	.1	1.7	2.3	.6	.1							5.1	7.5
SE	.1	4.7	3.9	1.9	.4	.1						11.9	7.7
SSE	.1	1.6	4.5	3.4	.1							11.7	10.4
S	.1	3.3	6.0	6.2	1.0	.1						16.0	10.7
SSW	.1	1.0	1.0	.3								3.0	6.7
SW	.1	.1	.3	.4								1.3	8.7
WSW	.1	.1	.1	.1								.5	9.7
W	.1	1.0	.4		.4							2.8	6.9
WNW	.1	.1	.1	.6	.6	.7						2.9	11.3
NW	.1	.7	1.0	1.3	.6							3.9	11.2
NNW	.1	.1	.9	1.5	1.0	.1						4.5	11.8
VARBL													
CALM												8.0	
	6.0	23.7	29.6	24.7	5.4	1.7	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 689

FEDERAL CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 AIR WEATHER SERVICE/AMC

SURFACE WINDS

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

STATION NAME WANCE AFB TX STATION NUMBER 73-81 YEARS 1953-54 MAP 13
 MONTH ALL
 CLASS ALL WEATHER
 CONDITION ALL

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.7	3.3	4.7	2.6	.7	.					13.8	12.7
NNE	.4	.	1.3	1.0	.2							3.8	6.9
NE	.7	.1	1.2	.5	.0							3.2	7.5
ENE	.	1.1	.9	.4								2.3	6.4
E	.4	1.6	1.3	.6	.1							4.1	7.0
ESE	.4	1.2	1.4	.7	.1							3.9	7.6
SE	.7	1.7	3.0	1.6	.2	.7						7.2	8.6
SSE	.4	1.1	2.9	3.1	.9	.3	.1					9.4	10.7
S	.4	2.1	4.7	6.6	2.6	.5	.1					17.1	12.1
SSW	.7	1.0	1.6	1.7	1.2	.2						8.0	11.7
SW	.7	.	.7	.7	.3	.2	.0					3.1	6.9
WSW	.7	.3	.4	.4	.1	.1						1.7	5.3
W	.7	1.1	.7	.6	.3	.1						4.1	7.8
WNW	.7	.	.6	.7	.4	.2						3.7	10.4
NW	.3	.	1.1	1.5	.8	.4	.0	.0				5.2	12.2
NNW	.7	1.1	1.4	1.9	1.4	.7	.2					7.1	13.7
VARBL													
CALM												5.0	
	1.5	20.7	26.5	26.9	11.2	3.4	.3	.2				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 6092

2

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAAC

SURFACE WINDS

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

STATION VAUCE AFB DM YEARS 77-91 MONTH APP
 CLASS ALL WEATHER HOURS (LST) 0000-2300
 CONDITION _____

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.6	2.4	1.7	1.4							3.9	9.0
NNE	.1	.2	1.8	.4		.1						3.4	6.5
NE	.4	1.3	1.4	.6	.3							4.0	6.3
ENE	.4	1.0	.7	.4								2.6	6.5
E	.0	2.0	1.4	.4								4.3	6.0
ESE	.2	1.6	2.5	.3								5.1	6.0
SE	1.7	3.0	4.4	1.3								12.3	7.0
SSE	.7	3.5	4.5	3.7	.7	.1						13.3	9.2
S	.2	.3	6.1	7.4	2.3	.4						19.4	11.2
SSW	.7	1.6	1.3	1.1	.6							5.5	9.3
SW	.1	1.3	.3	.1	.1							2.5	7.2
WSW	.4	.8	.4	.1								2.0	5.4
W	.8	2.4	.8	.4								4.5	5.5
WNW	.2	.6	.6	.6								1.7	9.8
NW	.2	.4	.7	.7	.6							2.7	10.6
NNW	.1	.3	.8	.4	.8							3.1	11.0
VARBL													
CALM												6.1	
	.6	25.9	30.9	19.7	7.1	.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 706

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WAVCL AFB OK STATION NAME 77-81 YEARS APR
 MONTH 1970-1971
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	2.1	1.9	1.4							9.1	9.5
NNE	.4	1.5	1.1	1.0								4.1	7.4
NE	.4	1.4	.8	.7								3.3	7.7
ENE	1.1	1.4	.5	.7								3.7	6.7
E	.7	2.5	.4	.5								4.1	6.7
ESE	.3	1.2	1.9	.4								4.4	6.6
SE	.4	3.7	3.6	1.4	.3							8.5	7.9
SSE	1.1	4.1	4.7	2.5	.7							12.3	8.4
S	.7	3.3	6.2	7.8	1.9	.1						19.9	10.8
SSW	.1	1.5	.8	1.8	.4							4.8	9.7
SW	.1	1.4	.7	.3								2.5	6.4
WSW	.1	1.5	.7	.1								2.5	6.1
W	.3	3.9	1.6									6.3	5.6
WNW	.7	1.7	.3	.4	.3							2.2	8.7
NW	.7	1.7	.5	1.0								2.7	8.5
NNW	.4	1.4	1.2	1.4	.8	.1						5.7	10.7
VARBL												5.1	
CALM												5.1	
	8.1	32.7	26.4	21.6	5.8	.7						170.7	6.7

TOTAL NUMBER OF OBSERVATIONS 730

2

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

SURFACE WINDS

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

STATION WANCE AFB JK STATION NAME WANCE AFB JK YEARS 73-81 MONTH ALL
 CLASS ALL WEATHER
 CONDITION ALL WEATHER

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	1.9	3.7	1.1							9.0	10.1
NNE	.4	.0	1.3	1.1	.5							4.2	9.9
NE		.0	1.0	.6								2.6	9.6
ENE	.4	1.0	1.4	.3								3.0	7.1
E	.9	1.0	1.4	.6								4.9	6.6
ESE		1.1	2.3	.1								3.5	7.4
SE	.0	2.4	2.9	1.0	.3							6.6	7.8
SSE	.0	1.4	3.3	3.7	1.0							11.4	9.7
S	.0	2.4	5.7	8.2	1.4							18.1	10.7
SSW	.0	.6	1.5	2.8	.6							5.1	10.2
SW	.0	.0	.8	.4								2.3	7.3
WSW	.1	.0	.4	.1	.1							1.3	7.9
W	.0	4.7	2.0	.8	.1							8.0	6.0
WNW	.0	1.4	1.4	.9								3.9	7.7
NW	.0	1.1	.9	1.5	.3							3.9	9.9
NNW		1.1	1.6	1.4	.4	.1						4.3	10.2
VARBL													
CALM												4.4	
	6.6	25.7	30.8	26.5	5.8	.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 701

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 ALL-WEATHER SERVICE / MAC

SURFACE WINDS

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

STATION NAME: VALLE APART STATION NAME: 77-81 YEARS: 1977-1981
 CLASS: ALL WEATHER MONTH: 12-1981
 CONDITION: _____

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	.4	.1	3.3	3.8	2.2	.5						11.1	12.6
NNE	.2	.7	1.2	1.9	.4							4.4	12.4
NE	.7	.7	1.2	.1								2.2	7.0
ENE	.1	.5	1.1	.1								2.7	7.4
E	.4	.1	1.9	.4								3.1	7.4
ESE	.7	.7	1.1	1.1								3.5	8.2
SE	.1	.1	.7	1.2	.7	.1						2.6	11.3
SSE	.1	.7	2.3	1.2	1.7	.1						3.5	12.9
S	.7	.1	3.3	1.4	7.8	1.9						24.7	15.0
SSW	.7	.7	.5	1.8	2.7	1.1	.1	.2				9.3	15.7
SW	.1	.7	.7	1.1	.5							2.7	11.6
WSW	.7	.1	.6	.9	.1	.1						2.3	6.4
W	.4	.5	.5	.6	.1	.1						2.3	9.4
WNW	.1	.7	1.0	.7	.9	.7						3.2	13.0
NW	.4	.1	2.0	1.6	1.9	.4						6.8	12.9
NNW	.2	.7	2.6	2.7	1.5	.1						7.9	11.8
VARBL													
CALM												7.2	
	4.4	12.0	24.2	34.4	19.9	4.4	.1	.2				170.1	12.4

TOTAL NUMBER OF OBSERVATIONS: 1701

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WEATHER SERVICE / MAC

SURFACE WINDS

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

STATION VALE AFB TX STATION NAME 77-81 YEARS MONTH APR 1907-1908 HOURS 12 BY 1
 CLASS ALL WEATHER
 CONDITION

SPEED KNOTS DIR	1-3	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	1.9	4.8	1.7	.5	.1					10.1	13.2
NNE	.1	.5	2.0	1.7								4.8	9.1
NE	.1	.5	1.6	1.0								4.0	9.3
ENE	.1	.5	1.4	.2								2.3	7.4
E	.1	.7	1.1	.2								2.3	7.1
ESE	.1	1.7	1.2	1.5								4.5	9.1
SE	.1	.5	1.5	2.1	.1	.2						4.7	10.8
SSE	.1	1.7	1.7	5.4	2.0	.1						11.4	12.3
S	.1	1.5	3.7	11.9	6.2	2.1						25.8	14.4
SSW	.1	.2	.4	2.1	1.2	.2	.2					4.9	14.1
SW	.1	.1	.9	.7	.2	.4						3.1	11.4
WSW	.1	.7	.6	.1	.1	.2						2.2	8.6
W	.1	.1	.7	.4								2.2	8.7
WNW	.1	.1	1.1	.4	.4	.2						2.8	10.8
NW	.1	.6	1.2	1.2	1.7	.7						6.1	13.7
NNW	.1	1.0	1.0	2.8	1.2	.5	.1					7.2	12.5
VARBL													
CALM												1.9	
	.1	12.1	22.0	37.2	15.0	5.3	.5					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 379

2

FEDERAL CLIMATOLOGY BRANCH
 WFO TAC
 AIR WEATHER SERVICE/CMAC

SURFACE WINDS

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

STATION LANGL AFB OK STATION NAME 77-81 YEARS 1900-1900
 MONTH ALL WEATHER CLASS 1900-1900
 HOUR(S) (L & T)

CONDITION

SPEED KNOTS C.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.3	4.7	7.3	.5	.1						10.0	1.0
NNE	.5	1.7	1.4	1.2	.1							4.4	3.7
NE	.7	1.7	2.3	.8	.1							4.4	1.7
ENE	.4	2.7	1.2									7.8	3.5
E	1.7	1.3	.6	.3								4.4	4.9
ESE	.7	1.3	1.2	1.0	.3							7.4	1.0
SE	.7	1.0	1.9	1.4	.4	.1						1.0	6.8
SSE	.7	4.4	4.0	4.5	1.2	.4						11.2	7.9
S	.7	4.3	6.5	7.3	2.8	.4						24.1	11.0
SSW	.7	.7	.4	1.3	.3							1.7	1.3
SW	.7	.3	.1									.8	4.8
WSW	.7	.7	.3			.3						.9	1.4
W	.7	.3	.1		.1							.1	8.0
WNW	.7	.3	.5	.3		.1						1.3	7.5
NW	.7	.7	1.2	1.2	.8	.4	.1					7.0	11.4
NNW	.7	1.7	1.6	1.3	.6	.1	.1					10.4	10.7
VARBL												6.1	
CALM												6.1	
	.5	27.4	27.3	24.9	7.5	1.9	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 77

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

SURFACE WINDS

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

STATION NAME: WAGLE AFB TX STATION NUMBER: 73-81 YEARS: _____
 CLASS: ALL WEATHER MONTH: _____
 CONDITION: _____
 HOURS: 1100-2000

SPEED KNTS OR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.7	4.2	1.1	.4							2.1	2.1
NNE	.2	.2	1.2	1.5								4.1	9.1
NE	.4	.2	1.4	.7								3.2	7.8
ENE	.2	.2	1.6	.5								3.4	5.8
E	.1	3.1	1.8	.1								6.2	5.8
ESE	.5	1.2	1.9	.4								4.8	7.1
SE	.7	2.7	3.0	1.5								1.5	7.7
SSE	.1	3.7	6.2	5.1	.4	.1						16.5	9.1
S	.7	4.7	9.3	4.8	1.9	.3	.1					17.8	7.7
SSW	.1	.2	.9	.2								2.5	6.1
SW	.1	.7	.7	.1		.7						1.1	5.4
WSW	.7	.2	.1	.1	.1							.7	9.5
W	.7	1.1	.4	.1		.1	.1					2.4	7.4
WNW	.4	.2	.2	.4								2.5	6.7
NW	.4	.4	.4	1.4	.3							2.5	11.2
NNW	.7	.7	.5	1.5	.5	.1						4.3	10.3
VARBL													
CALM												7.1	
	.7	25.0	51.6	22.2	7.6	.9	.3					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 747

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

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

STATION NO. 18 01 AFB LA STATION NAME 77-81 YEARS 1951 MONTH ALL
 CLASS ALL WEATHER HOURS PER YEAR 8760
 CONDITION

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	7.0	1.4	.0	.0	.0	.0	.0	.0	2.4	1.0
NNE	.0	.0	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	4.2	1.0
NE	.0	.0	1.0	.7	.0	.0	.0	.0	.0	.0	.0	3.4	1.0
ENE	.0	1.1	1.1	.3	.0	.0	.0	.0	.0	.0	.0	3.5	1.0
E	.0	1.0	1.2	.5	.0	.0	.0	.0	.0	.0	.0	4.4	1.0
ESE	.0	1.0	1.2	.7	.0	.0	.0	.0	.0	.0	.0	4.1	1.0
SE	.0	1.0	2.7	1.4	.0	.1	.0	.0	.0	.0	.0	5.2	1.0
SSE	.0	2.0	3.4	4.1	1.1	.2	.0	.0	.0	.0	.0	11.8	12.0
S	.0	2.0	5.1	1.0	3.7	.2	.0	.0	.0	.0	.0	12.7	12.0
SSW	.0	.0	.0	2.4	1.3	.3	.1	.0	.0	.0	.0	4.8	12.0
SW	.0	.0	.0	.5	.0	.1	.0	.0	.0	.0	.0	1.3	1.0
WSW	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	1.4	1.0
W	.0	1.7	1.0	.4	.1	.1	.0	.0	.0	.0	.0	3.7	7.0
WNW	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.0	2.7	1.0
NW	.0	.0	1.1	1.3	.6	.0	.0	.0	.0	.0	.0	4.8	11.0
NNW	.0	1.1	1.4	1.8	.9	.0	.0	.0	.0	.0	.0	5.7	11.0
VARBL													
CALM													
TOTAL	6.0	10.0	27.7	29.3	9.9	2.3	.1	.0	.0	.0	.0	100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

U.S. NAVAL WEATHER SERVICE
 METEOROLOGICAL BRANCH
 METEOROLOGICAL SERVICE/AC

SURFACE WINDS

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

STATION: USCGC PELICAN STATION NAME: 77-81 YEARS: _____
 CLASS: ALL WEATHER MEAN WIND SPEED: _____
 CONDITION: _____

SPEED KN DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	.	0.2	0.7	1.7								7.0	0.1
NNE	.	1.2	1.7	1.1								10.0	0.1
NE	.	1.0	1.1	1.0								4.1	0.1
NNE	.	1.0	1.0	1.0	1.0							10.0	0.1
E	.	0.2	0.2	0.2	0.2	0.2						7.0	0.1
ESE	.	1.0	1.0	1.0	1.0	1.0						4.0	0.1
SE	.	1.0	1.0	1.0	1.0	1.0	1.0					10.0	0.1
SSE	.	4.4	4.4	1.1	1.1	1.1						11.0	0.1
S	.	1.0	1.4	1.1	1.1	1.1	1.1					15.0	0.1
SSW	.	1.1	1.1	1.1	1.1	1.1						1.0	0.1
SW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0				1.0	0.1
WSW	.	1.0	1.0	1.0	1.0	1.0						1.0	0.1
W	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			2.0	0.1
WNW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			2.0	0.1
NW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		2.0	0.1
NNW	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		2.0	0.1
VARBL	.											1.0	0.1
CALM	#											1.0	0.1
TOTAL	11.0	33.6	40.9	34.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	14.0	2.0

TOTAL NUMBER OF OBSERVATIONS

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE

SURFACE WINDS

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

STATION NAME: LAKE CHARLES STATION NUMBER: 27-61 YEARS: 1951-1952
 MONTH: ALL MONTHS: ALL CLASS: ALL CLASS: ALL
 LOCATION: LAKE CHARLES, MISSISSIPPI

SPEED KMPH MPH	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.1	32.1	25.5	13.6	2.2	0.5	0.0	0.0	0.0	0.0	0.0	1.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 264



CLASSIFICATION: 1 MW

U.S. WEATHER BUREAU
 OFFICE OF METEOROLOGICAL SERVICE
 WASHINGTON, D.C.

SURFACE WINDS

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

STATION NAME: LAKE CHARLES STATION NUMBER: 77-31 MONTH: MAY
 CLASS: ALL WEATHER YEAR: 1960-1961
 CONDITION: _____ HOURS: 24

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	1.3	2.5	1.1	.1						2.4	5.0
NNE	.1	1.0	2.3	1.2	.1							2.5	5.0
NE	.1	1.2	1.7	1.7								3.3	5.0
ENE	.1	.1	1.5	.1								1.1	7.4
E	.1	.1	1.3	.1								1.7	7.4
ESE	.1	.1	1.6	.1								1.1	8.0
SE	.1	.1	1.7	.1								1.7	6.7
SSE	.1	.1	4.7	1.6	.1							1.7	7.8
S	.2	2.1	4.5	7.6	1.3	.1						11.0	12.4
SSW	.1	1.1	1.1	2.2	.1	.1						1.1	7.1
SW	.1	.1	1.1	.4	.1							1.0	7.1
WSW	.1	.1	.6	.1								1.0	7.1
W	.1	1.1	.7	.1								1.4	8.6
WNW	.1	1.1	1.7	.4	.1							4.4	6.7
NW	.1	.1	.1	1.2	.1							3.2	8.5
NNW	.1	.1	.6	1.2	.4							3.7	9.1
VARBL												10.7	
CALM												10.7	
TOTAL	6.8	24.7	32.7	21.2	2.7	.4						100.0	7.5

TO: 41 NUMBER OF OBSERVATIONS

U.S. GOVERNMENT PRINTING OFFICE: 1964

FEDERAL CLIMATOLOGY BRANCH
 AFSTAC
 ALL WEATHER SERVICE/AMC

SURFACE WINDS

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

STATION: LANG AFB TX STATION NAME: 77-91 YEARS: MAY
 CLASS: ALL WEATHER MONTH: 1970-11-01
 HOUR(S) (LST):
 CONDITION:

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		7.7	3.7	4.8	.4		.1					10.0	10.0
NNE		1.7	1.1	1.2								4.5	8.1
NE			2.2	.7								3.5	9.6
ENE			1.2	.7								3.0	7.6
E		1.0	2.6	1.6	.1							5.2	8.9
ESE		1.0	1.1	1.4								3.6	9.7
SE		1.1	2.0	1.2								2.2	7.4
SSE		1.1	3.1	3.4	.2							7.7	9.4
S		1.0	4.0	11.8	3.7	.2						27.1	12.0
SSW		1.0	1.6	3.6	1.0	.2	.2					5.1	12.3
SW			1.0	2.2	.1	.1	.2					4.0	12.1
WSW			.5	.4								1.2	7.0
W			.6	.6		.1						2.1	7.7
WNW			1.1	.7	.1	.1	.1					3.0	11.0
NW	.4	1.0	1.1	.4	.2	.1		.1				3.1	9.1
NNW			1.0	1.8	.7	.4						4.5	12.0
VARBL													
CALM												2.3	
	1.7	17.4	9.2	35.4	6.6	1.3	.5					100.0	12.1
TOTAL NUMBER OF OBSERVATIONS												871	

FEDERAL BUREAU OF SURVEY
 WASHINGTON, D.C.
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NAME: LA CE AFB TX STATION NUMBER: 77-81 YEARS: 1952-1971
 MONTH: JAN
 CLASS: ALL WEATHER HOURS (LST): 1400-1400
 CONDITION: _____

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	•	1.7	4.7	7.6	.8							10.4	10.1
NNE	•	.3	2.7	1.4	.5							3.6	8.3
NE	•	1.7	1.7	1.8	.1							4.7	8.7
ENE	•	1.7	1.7	.6								4.6	6.7
E	•	.8	1.1	.8								3.7	8.7
ESE	•	.4	.8	.8								2.7	8.7
SE	•	1.7	2.3	1.7	.1							5.5	9.8
SSE	•	1.2	2.7	2.2	.6							7.1	9.9
S	•	2.4	5.1	14.5	3.5	.6	.1					16.2	10.7
SSW	•	.7	1.8	2.9	.6	.7						7.7	11.7
SW	.1	.7	.8	1.1	.4		.1					2.3	11.7
WSW	•	.7	.5	.6	.1	.1						2.4	8.3
W	•	.7	.7	.7		.4						2.4	9.9
WNW	•	1.3	1.7	.7	.1							3.3	8.3
NW	•	.2	.7	1.0		.1						2.5	8.5
NNW	•	.5	1.6	1.9	.8	.4						5.7	11.9
VARBL													
CALM												2.3	
	1.7	14.0	9.2	36.4	7.7	2.7	.6					10.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 877

FEDERAL CLIMATOLOGY BRANCH
 WAFB/AFB
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION WAFB AFB OK STATION NAME 77-81 YEARS 1950-1950
 CLASS ALL WEATHER MONTH 1950-1950
 HOUR ALL
 CONDITION

SPEED KNOTS D.I.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	4.5	2.4	.1							8.3	7.1
NNE	.1	1.3	2.3	2.1	.8							7.0	17.2
NE	.4	1.0	2.3	1.8	.2							5.7	9.3
ENE	.1	1.0	1.0	.4			.1					7.0	7.8
E	.7	1.1	1.6	1.0								4.4	7.5
ESE	.1	1.2	1.7	1.3								5.5	8.1
SE	.4	1.1	2.1	2.3	.1							5.9	9.7
SSE	.1	2.0	3.5	4.2	1.2							12.2	10.2
S	.7	1.6	4.8	12.2	2.9	.6						23.1	12.5
SSW	.1	1.7	2.4	1.6	1.1	.1						6.2	11.4
SW	.1	.4	.6	.4	.2							1.3	9.3
WSW	.4	.5	.2	.1	.1	.1						1.6	8.0
W	.4	1.0	.8	.2	.2	.4						3.7	9.6
WNW	.1	.1	.5	.2	.4							1.5	11.3
NW	.1	.1	.4	.6	.4							2.2	12.5
NNW	.1	.5	1.3	1.9	.4	.1						5.0	11.1
VARBL													
CALM												3.3	
TOTAL		17.1	50.1	32.8	8.2	1.5	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 627

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

SURFACE WINDS

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

STATION 727535 NAME AFB OK STATION N.W. 73-81 YEARS MAY
 CLASS ALL WEATHER MONTH 1900-1900
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.7	2.9	2.9	.2	.7						9.6	9.0
NNE	.6	1.6	2.6	.9	.4							5.8	8.4
NE	.7	1.7	1.9	.6								4.7	7.1
ENE	.7	2.8	.6	.9		.1	.1					3.1	7.1
E	1.3	1.7	1.5	1.7	.1							5.4	6.3
ESE	1.2	2.7	1.5	.9								6.3	6.3
SE	.7	3.6	3.9	2.0		.1						1.3	7.8
SSE	.1	5.2	6.7	4.2	.2							16.8	5.4
S	.1	3.2	6.2	4.7	1.2	.1						15.9	9.5
SSW	.5	.5	.4		.7							1.7	6.6
SW	.4	.7	.4									1.5	4.9
WSW	.1	.7										.4	4.7
W	.1	.4	.6	.4	.1							1.2	8.6
WNW	.7	.7		.1	.1							.7	7.8
NW	.7	.5	.2	.7	.1							2.2	6.7
NNW	.4	1.2	.4	1.7	.1							3.6	7.4
VARBL													
CALM												7.7	
	12.1	23.0	29.0	19.5	3.0	.6	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 524

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FEDERAL CLIMATOLOGY BRANCH
 AFCEC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WANCE AFB OK STATION NAME 73-51 YEARS MAY
 MONTH 1960-2100
 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	1.7	1.7	1.9	1.6	.1							7.2	7.6
NNE	.1	1.7	1.6	.6								4.2	7.6
NE	.9	1.7	.9	.3	.3							4.4	7.4
ENE	.7	1.5	1.7	.1								3.1	6.7
E	1.7	4.3	1.7	.6								7.3	5.7
ESE	1.2	4.3	3.7	1.7								12.2	6.4
SE	.7	6.4	4.6	1.3	.1							13.5	6.4
SSE	.8	4.5	6.4	3.5	.8	.1						16.1	8.7
S	.7	2.2	2.9	2.6	.8	.1						5.5	9.8
SSW	.4	.7	1.0	.1	.3							2.7	7.7
SW	.7	.4	.4									1.7	4.3
WSW	.7	.4	.1	.4								1.3	7.3
W	.7	.7	.1	.1		.1						1.7	6.2
WNW	1.2	.4	.3	.1								1.9	4.2
NW	.6	.3	.1	.5								1.7	6.5
NNW	.7	1.2	.5	.6	.3							3.6	6.9
VARBL													
CALM												9.7	
	10.1	33.5	26.5	14.2	2.6	.4						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 774

U.S. AIR FORCE
 CLIMATE CENTER
 WASHINGTON, D.C.

SURFACE WINDS

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

STATION: WANCE AFB OK STATION NAME: 73-00 YEARS: ALL MONTH: ALL
 CLASS: ALL
 CONDITION: ALL

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	2.2	2.7	.7	.1	.0	.0	.0	.0	.0	2.1	5.9
NNE	.0	1.4	1.9	1.3	.3	.0	.0	.0	.0	.0	.0	4.7	6.7
NE	.0	1.3	1.5	.9	.1	.0	.0	.0	.0	.0	.0	4.3	6.1
ENE	.0	1.5	1.1	.4	.0	.0	.0	.0	.0	.0	.0	3.5	6.0
E	.0	2.7	2.1	.9	.0	.0	.0	.0	.0	.0	.0	5.9	7.1
ESE	.0	2.3	1.9	.9	.0	.0	.0	.0	.0	.0	.0	5.6	7.1
SE	.0	3.3	3.2	1.3	.1	.0	.0	.0	.0	.0	.0	6.5	7.4
SSE	.0	3.1	4.3	2.7	.4	.0	.0	.0	.0	.0	.0	11.4	8.6
S	1.7	2.6	4.8	3.7	2.7	.3	.0	.0	.0	.0	.0	15.7	11.3
SSW	.4	.0	1.4	1.5	.4	.1	.0	.0	.0	.0	.0	4.5	10.4
SW	.4	.6	.6	.5	.1	.0	.0	.0	.0	.0	.0	2.3	8.8
WSW	.0	.5	.3	.2	.7	.0	.0	.0	.0	.0	.0	1.3	7.3
W	.0	1.7	.5	.3	.7	.1	.0	.0	.0	.0	.0	2.7	7.5
WNW	.0	.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	2.6	7.5
NW	.0	.6	.6	.7	.2	.0	.0	.0	.0	.0	.0	2.5	8.8
NNW	.0	.5	.8	1.2	.4	.1	.0	.0	.0	.0	.0	3.9	9.9
VARBL													
CALM												7.3	
	2.6	24.8	28.7	24.9	4.5	1.0	.1	.0	.0	.0	.0	100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 5380

CENTRAL CLIMATOLOGY BRANCH
 WPCYAC
 ALL WEATHER SERVICE/WAC

SURFACE WINDS

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

STATION VANCE AFB TX STATION NAME VANCE AFB TX YEARS 77-81 MONTH JULY
 CLASS ALL WEATHER HOURS (LST) 1200-2400
 CONDITION _____

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	.8	1.1								3.7	7.7
NNE	.1	.4	1.7	.3	.4							2.4	9.8
NE	.7	.4	2.1	.3								3.5	7.1
ENE	.7	2.2	.3	.1								3.4	5.7
E	1.7	2.5	1.7	.3								5.3	5.7
ESE	1.0	4.2	2.1									7.3	5.4
SE	1.5	3.6	3.8	.6								12.3	5.8
SSE	2.7	7.9	5.6	2.5	.3							19.0	6.8
S	1.1	5.3	7.7	9.3	2.7							26.1	10.7
SSW	.6	1.4	1.4	.6	.1							4.1	7.4
SW		.7	.4	.3	.1							1.7	7.8
WSW	.1	.3	.3									.7	6.7
W	.6	.7	.4	.1								1.7	5.8
WNW	.1	.1	.1									.3	5.8
NW	.1	.1	.5									1.1	5.8
NNW	.7	.1	.3	.1								.8	7.2
VARBL													
CALM												6.2	
	10.8	34.8	27.9	15.6	2.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 712

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

SURFACE WINDS

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

STATION NAME LA CE AFB TX STATION NUMBER 77-91 YEARS 77-91 MONTH JUN
 CLASS ALL WEATHER HOURS (L & T) 0300-2500
 CONDITION _____

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.7	.7	.7								4.3	6.4
NNE	.7	.7	1.1	1.1	.3	.1						4.4	6.7
NE	1.4	1.4	1.4	.4								4.4	6.7
ENE	.4	1.2	1.2	.3								4.0	6.5
E	.1	2.0	1.4									5.1	6.1
ESE	1.2	2.5	1.4	.3								5.5	6.7
SE	1.4	5.7	3.5	.4	.7							11.7	6.4
SSE	2.3	6.5	5.8	.8								15.9	6.3
S	.1	5.4	6.2	6.4	.0							24.0	7.6
SSW	.1	1.2	2.6	1.4	.1							6.7	6.1
SW	.1	1.2		.1	.1							1.3	6.1
WSW	.7	.7	.4	.1								1.8	6.0
W	.3	1.1		.1								1.7	6.5
WNW	.7	.7	.1	.1								.6	6.7
NW	.7	.4	.3	.1								1.1	6.7
NNW	.7	.6	.1	.7								1.4	6.9
VARBL													
CAIM												7.4	
	4.2	33.6	26.9	15.6	1.7	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 724

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

SURFACE WINDS

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

STATION WALCH AFB OK STATION NAME 77-81 YEAR 1950 MONTH JUL
 CLASS ALL WEATHER HOURS 0000
 CONDITION _____

SPEED: KNOTS M.P.H.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	.9	.6	.3							2.8	1.1
NNE	.1	.7	.5	.9	.1	.1						2.9	3.1
NE	.1	1.7	.3	1.7	.7							3.3	2.1
ENE	.1	1.7	.0	.5								1.7	2.1
E	.2	1.7	1.3	.5								4.1	3.1
ESE	.1	2.4	.7	.6								4.7	5.1
SE	.2	2.4	.7	.6								7.3	5.7
SSE	1.2	4.1	4.7	.9								11.9	7.1
S	.1	.5	7.9	11.4	1.7	.7						21.1	10.1
SSW	.1	1.7	2.4	2.6	1.7							11.1	11.1
SW	.1	1.7	1.2	1.4								4.1	5.3
WSW	.1	.5	.6	.2								1.5	7.4
W	1.0	.7	.1	.1								3.5	4.5
WNW												1.3	5.2
NW	.1	.1	.1		.1							1.4	4.7
NNW			.1	.1								2.4	7.1
VARBL													
CALM												9.1	
	1.1	26.8	25.4	22.9	3.5	.4						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 727

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

SURFACE WINDS

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

STATION NAME: ALL WEATHER YEARS: 30
 MONTH: 7-11
 CLASS: ALL WEATHER
 CONDITION:

SPEED KNOTS MPH	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.0
NNE	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.0
ENE	0.0	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	7.0
E	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0
ESE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0
SE	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0
SSE	0.0	1.0	3.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.0
S	0.0	2.0	7.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	13.5	7.0
SSW	0.0	1.0	3.0	7.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	14.4	7.0
SW	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0
WSW	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
NNW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
TOTAL	0.0	16.6	26.4	22.0	9.4	1.0	0.0	0.0	0.0	0.0	0.0	75.4	6.8

TOTAL NUMBER OF OBSERVATIONS: 754

FEDERAL BUREAU OF SURVEY
 NATIONAL WEATHER SERVICE WMO

SURFACE WINDS

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

STATION NAME: LAKE CHARLES YEARS: 17-82
 CLASS: ALL WEATHER
 MONTH: _____ HOURS: _____
 CONDITION: _____

WIND DIRECTION	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.1	2.4	2.4								10.7	7.0
NNE		1.0	1.0	1.0								10.7	7.0
NW			1.0	1.0	1.0							10.7	7.0
ENE	1.0		1.0	1.0								10.7	7.0
E	1.0	1.0	1.0	1.0								10.7	7.0
ESE		1.0	1.0	1.0	1.0							10.7	7.0
SE		1.0	1.0	1.0	1.0	1.0						10.7	7.0
SSE		1.0	3.0	3.0	1.0	1.0						10.7	7.0
S	1.0	3.0	7.0	12.3	6.2	1.0						10.7	7.0
SSW			2.0	5.4	3.3	1.0						10.7	7.0
SW			2.0	3.0	3.0							10.7	7.0
WSW	1.0		1.0	1.0								10.7	7.0
W	1.0		1.0	1.0								10.7	7.0
WNW				1.0								10.7	7.0
NW			1.0	1.0								10.7	7.0
NNW			1.0	1.0								10.7	7.0
VARBL												10.7	7.0
CALM												10.7	7.0

TOTAL NUMBER OF OBSERVATIONS: 225

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FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL BRANCH
 WASHINGTON, D. C.

SURFACE WINDS

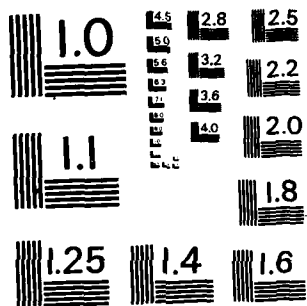
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: _____ TIME: _____
 CLASS: ALL WEATHER MONTH: _____
 CONDITION: _____

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	0.0	1.7	2.0	1.0	0.1							0.1
NNE	0.0	1.0	1.7	1.0								0.1
NE	0.0	1.0	1.4	0.6								0.1
ENE	0.0	1.0	1.4	0.6	0.1							0.1
E	0.0	1.7	1.1	0.4	0.1							0.1
ESE	0.0	1.7	1.1	0.6	0.1							0.1
SE	0.0	0.0	0.1	0.2	0.1							0.1
S	0.0	0.0	0.0	1.7	9.0	7.0	1.0					1.4
SSW	0.0	0.0	1.4	1.0	1.4	0.7						0.1
SW	0.0	0.0	0.1	1.0	0.7	0.3						0.1
WSW	0.0	0.0	0.4	0.1	0.1							0.1
W	0.0	0.0	0.1	0.1	0.1							0.1
WNW	0.0	0.0	0.1	0.1	0.1							0.1
NW	0.0	0.0	0.0	0.1	0.7							0.1
NNW	0.0	0.0	0.0	0.0	0.0							0.1
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	4	17	26	14	10	7	1	1	1	1	1	1.7

TOTAL NUMBER OF OBSERVATIONS: 73

APPROX. 1.25 M
 1.25 M



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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 VANCE AFB TX 73-81 JUN

STATION STATION NAME YEARS MONTH

ALL WEATHER 2100-2300

CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	.3	.7	.1							2.3	8.2
NNE	.1	1.4	.7	.4	.4	.1						3.1	9.0
NE	1.0	.9	1.2	.3								3.3	6.6
ENE	.4	1.0	1.2									3.5	5.9
E	1.5	1.8	1.9	.1								5.3	5.5
ESE	2.7	3.7	3.3	.4								10.1	5.6
SE	2.2	7.0	6.8	.8	.1							16.9	6.4
SSE	2.6	7.2	6.7	5.9		.1						22.5	7.9
S	1.0	3.4	8.0	7.0	.8	.3						20.5	10.1
SSW	.7	.8	1.0									2.5	5.8
SW	.5	.1										.7	3.0
WSW	.2				.1							.4	7.7
W	.7		.1									.8	3.5
WNW	.4	.3		.1								.8	4.8
NW		.3	.1			.1						.5	11.3
NNW	.3	.4	.4	.4								1.5	6.9
VARBL													
CALM												5.2	
	19.6	30.0	31.8	16.1	1.6	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 733

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 STATION 73-81 JUN
 VANCE AFB OK STATION NAME YEARS MONTH
 ALL WEATHER CLASS HOUR (L. F. Y.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.6	1.2	.1							5.2	8.0
NNE	.6	1.0	1.0	.7	.2	.0						3.5	8.1
NE	.5	1.1	1.0	.6	.1							3.2	7.4
ENE	.6	1.5	.9	.4	.7							3.4	6.5
E	1.1	1.8	1.4	.3	.0							4.5	5.8
ESE	1.0	2.2	1.6	.4	.1	.0						5.4	6.2
SE	1.7	3.4	3.2	1.0	.1							8.7	7.0
SSE	1.5	4.1	5.0	3.0	.3	.0						13.9	8.1
S	1.5	4.7	7.0	11.0	3.9	.9	.7	.0				28.4	11.7
SSW	.6	1.1	2.0	3.0	1.3	.3	.0					8.2	11.7
SW	.4	.7	.7	1.3	.2							3.5	9.2
WSW	.3	.4	.3	.5	.0							1.5	8.0
W	.5	.6	.2	.3								1.6	6.1
WNW	.1	.2	.1	.2								.5	7.2
NW	.3	.4	.2	.1	.0	.0						1.1	6.5
NNW	.4	.5	.5	.3	.0							1.7	7.3
VARBL													
CALM												5.6	
	11.1	24.6	26.8	24.2	6.3	1.3	.0	.0				170.7	8.5

TOTAL NUMBER OF OBSERVATIONS 6095

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 WANCE AFB OK 73-81 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-2200

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	.7	.4	.1								1.6	5.3
NNE	.3	1.1	.5	.1								2.0	5.9
NE	.3	.9	1.2	.3								2.7	7.5
ENE	1.2	1.2	.7									3.1	4.5
E	1.1	1.9	.9	.1								4.0	4.9
ESE	2.3	2.3	.9									5.5	4.4
SE	3.5	5.6	3.6	.4								13.1	5.4
SSE	3.5	6.3	4.6	1.9	.1							16.3	6.1
S	4.0	7.6	12.4	8.7	.4							32.7	8.3
SSW	1.3	1.6	1.1	.5								4.6	6.7
SW	.8	1.5	.3	.1								2.7	4.8
WSW	.7	.1	.4									1.2	4.3
W	.4	.7	.1									1.2	4.4
WNW	.3	.1	.1									.5	4.3
NW	.5	.5	.1	.1								1.3	4.9
NNW	.3	.1	.1		.1							.7	7.6
VARBL													
CALM												6.8	
	20.7	32.3	27.6	11.9	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 747

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535
STATION

VANCE AFB OK
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-3500
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	.7	.5	.5								2.6	6.2
NNE	1.4	.7	1.3	.4								3.8	5.9
NE	1.7	1.7	.3									3.0	4.3
ENE	.4	1.4	.4									2.2	4.9
E	1.2	.8	.7	.1								3.4	4.6
ESE	1.6	2.6	.4									4.6	4.1
SE	1.6	3.9	1.6									7.1	5.0
SSE	3.8	7.1	2.4									13.3	4.8
S	4.5	11.7	12.3	6.4								34.9	7.3
SSW	2.2	1.6	2.1	.8								7.0	5.8
SW	1.7	.9	.3	.1								2.4	4.4
WSW	.5	.1										.7	2.6
W	.3	.5										.8	3.7
WNW	.4	.3	.3									1.4	4.6
NW	.4	.3										.7	2.6
NNW	.8	.4	.4	.1	.1							1.8	5.9
VARBL													
CALM												10.4	
	22.7	35.4	22.8	8.5	.1							100.3	5.3

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 VANCE AFB OK 73-81 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER 3600-0800

CLASS HOURS (L.S.Y.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	1.0	.6	.1							4.5	6.3
NNE	.5	1.2	1.3	.1								3.2	6.4
NE	.7	.6	.7	.2								2.3	6.3
ENE	1.2	1.5	.6									3.3	4.8
E	2.0	1.7	.5	.2								4.4	4.4
ESE	.6	1.1	.9	.1								2.7	5.7
SE	2.0	2.8	1.2	.5								6.5	5.5
SSE	2.0	5.6	4.2	.4								12.1	5.9
S	2.8	7.2	11.5	6.2	.2							28.0	8.2
SSW	1.3	2.1	5.5	4.3								13.2	8.8
SW	.9	1.1	1.1	.7								3.8	6.9
WSW	.9	.6	.4									1.8	4.5
W	1.2	1.0	.2									2.4	3.9
WNW	.6	1.0	.1									1.7	3.7
NW	.2	.4	.1									.7	4.3
NNW	.4	.2	.1	.1								.9	5.7
VARBL													
CALM												8.3	
	18.1	30.1	29.5	13.6	.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 817

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 STATION VANCE AFB OK STATION NAME 73-81 YEARS JUL NORTH
 ALL WEATHER CLASS 7900-1100 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	.6	2.5	1.4	.5								5.0	6.4
NNE	.6	.8	1.3	.5								3.2	6.9
NE	.6	1.2	1.2	.4								3.4	6.5
ENE	1.7	1.0	.7									2.6	4.5
E	1.2	1.1	.8	.1								3.2	5.0
ESE	.7	.5	1.2	.5								2.9	7.0
SE	.4	1.1	1.4	.8								3.7	8.0
SSE	1.2	1.6	2.0	.5								5.3	6.4
S	2.4	2.6	7.3	7.0	.6							19.9	9.4
SSW	1.1	1.8	9.1	12.1	1.8							25.9	11.2
SW	.8	1.4	3.2	4.8	.2							10.6	10.0
WSW	1.1	1.3	1.4	.8								4.7	7.1
W	.6	1.4	.6	.4								3.0	6.1
WNW	.1	.4	.4									.8	6.3
NW	.7	.7	.1									1.6	3.8
NNW	.5	.4	.6	.6								2.0	7.8
VARBL													
CALM												2.2	
	13.5	19.8	33.0	28.9	2.6							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 VANCE AFB OK 73-81 JUL

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	.8	2.2	2.5	.4								5.9	6.6
NNE	.4	1.3	1.6	.7								4.7	7.7
NE	1.7	1.3	1.8	.7								4.8	6.7
ENE	.6	.7	1.7	.1								2.4	5.9
E	.6	1.6	.6	.2								3.0	5.5
ESE	1.0	1.1	.6	.1								2.8	5.2
SE	.8	1.7	1.3	.7								4.6	6.8
SSE	1.1	2.2	3.6	2.5								9.4	8.1
S	1.9	4.7	9.1	13.9	2.6							31.5	10.8
SSW	.6	1.8	4.3	8.2	1.1	.4						16.3	11.6
SW	.6	1.0	2.5	1.9	.4							6.4	9.4
WSW	.2	.8	.5	.4								1.9	7.2
W	.5	.7	.8	.2								2.3	6.4
WNW	.2	.1										.4	2.7
NW	.4	.2	.1									.7	4.0
NNW	.4	.2	.5									1.1	5.3
VARBL													
CALM												2.8	
	11.0	20.9	30.8	30.1	4.1	.4						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 834

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 WANCE AFB OK 73-81 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 1800-2000
CLASS HOUR (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.2	1.1	.2		.1						3.5	6.7
NNE	.1	1.7	1.0	.6		.1						2.9	8.8
NE	.2	1.7	.5	.4		.1						2.2	7.8
ENE	.6	.9	1.7	.2								2.7	6.5
E	.9	2.6	.9	.2	.1							4.7	6.7
ESE	.4	2.7	1.0	.7		.1						5.7	7.2
SE	1.7	2.5	4.5	4.1								12.1	8.6
SSE	2.1	3.2	6.2	7.3	.4							19.3	9.4
S	2.1	4.1	10.5	14.8	1.7							33.3	10.5
SSW	.7	.9	1.4	1.7	.4							5.1	9.4
SW	.7	.6	.6									1.5	5.7
WSW	.2	.1										.4	3.7
W	.1	.1	.1	.1								.5	7.0
WNW	.2			.2								.5	6.7
NW	.2		.1	.2								.5	8.7
NNW	.6	.6	.2	.2		.1						1.9	7.1
VARBL													
CALM												3.7	
	10.8	21.7	29.1	31.4	2.6	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 803

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AFM WEATHER SERVICE/MAC

SURFACE WINDS

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

723935 STATION VANCE AFB OK STATION NAME 73-81 YEARS JUL MONTH
 ALL WEATHER CLASS 2100-2300 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.0	.3	.3								1.0	6.2
NNE	.7	.9	.3	.4								2.2	6.7
NE	.5	1.3	.9	.3	.1	.1						3.3	7.4
ENE	.2	1.4	.8	.1	.1							3.4	5.9
E	1.4	2.6	.5	.3								4.8	4.6
ESE	1.7	3.4	1.4									6.5	5.7
SE	3.9	6.2	7.9	1.7								19.8	6.5
SSE	5.3	7.6	7.9	4.3	.1							25.3	6.9
S	3.0	4.8	9.1	6.8								23.7	8.2
SSW	.7	.5	.5	.3								2.7	5.2
SW	.4	.7	.4									1.4	4.9
WSW	.3	.3										.5	3.5
W													
WNW													
NW		.1			.1							.3	10.5
NNW	.4			.1								.5	4.8
VARBL													
CALM												4.6	
	19.5	37.7	30.1	14.5	.5	.1						120.0	6.5

TOTAL NUMBER OF OBSERVATIONS 768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723739 STATION NAME: WANCE AFB OK STATION NAME: 73-81 YEARS: JUL MONTH: ALL HOUR (L & Y): ALL WEATHER CLASS: ALL CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.5	1.2	.5	.0	.0						3.3	6.7
NNE	.5	1.7	1.1	.5	.0	.0						3.1	7.1
NE	.6	1.1	1.0	.3	.0	.0						3.1	6.6
ENE	.8	1.1	.9	.1	.0	.0						2.9	5.4
E	1.2	1.0	.8	.7	.0	.0						4.1	5.2
ESE	1.1	2.0	.9	.2	.0	.0						4.2	5.5
SE	1.7	3.1	2.9	1.2	.0	.0						8.9	6.6
SSE	2.4	4.3	4.3	2.8	.2	.0						14.0	7.3
S	2.7	5.6	1.2	12.3	1.1	.0						32.0	9.4
SSW	1.7	1.6	3.4	4.3	.6	.0						11.1	10.0
SW	.6	1.0	1.2	1.1	.1	.0						3.9	8.2
WSW	.7	.5	.4	.2	.0	.0						1.5	6.0
W	.4	.6	.3	.1	.0	.0						1.4	5.4
WNW	.7	.3	.2	.0	.0	.0						.8	4.8
NW	.4	.3	.1	.1	.0	.0						.9	4.9
NNW	.4	.3	.3	.2	.0	.0						1.2	6.6
VARBL													
CALM												5.1	
	11.4	25.9	29.1	22.0	2.1	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 6396

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WANCE AFB TX STATION NAME 73-81 YEARS 1973-1977
 MONTH 01-12
 CLASS ALL WEATHER
 CONDITION

SPEED (KNOTS) DIR	1-3	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	.7	.7								1.2	0.7
NNE	.1	1.2	1.1	.7	.1	.1						2.3	1.4
NE	.1	1.3	1.5									2.9	1.7
ENE	0	1.0	.4	.3								1.7	0.7
E	0	2.0	1.1	.3								3.4	0.4
ESE	0	3.1	2.7	.3								6.1	0.8
SE	0	6.1	4.0	.8								11.9	1.3
SSE	.1	5.5	6.4	1.1	.1							13.2	6.9
S	0	6.3	12.8	1.0	.9							22.5	8.9
SSW	0	1.6	1.3	.8	.3							4.5	7.2
SW	0	0	.3									1.6	4.7
WSW	0	0		.1								.5	1.5
W	0	.1	.1									.5	4.8
WNW	0	.4	.1	.3		.1						1.3	7.4
NW	0	.1	.1	.1								.7	4.4
NNW	0	.4		.1								.7	6.2
VARBL													
CALM												9.1	
	11.2	31.1	31.7	15.5	1.5	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 752

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

70850F STATION VAUCE AFB OK STATION NAME 73-81 YEARS ALL WEATHER CLASS 0300-0600 HOURS (LST) MONTH

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.0	.7	.8								7.4	6.6
NNE	.7	1.2	1.3	.7								7.3	7.1
NE	.4	.5	.9	.4								2.1	7.3
ENE	.5	1.4	.4									2.5	4.4
E	.2	2.5	1.4	.1								5.4	5.4
ESE	.7	2.2	1.4	.1								4.2	5.9
SE	1.2	5.5	2.2	.5								9.7	5.9
SSE	2.1	5.9	4.6	.7								14.3	5.7
S	3.4	6.3	12.5	6.6	1.0							29.8	6.3
SSW	.7	2.9	2.1	.5	.1							9.4	7.2
SW	.4	1.2	.5									2.4	5.7
WSW	.5	.3	.3									1.2	4.6
W	.4			.1								.5	5.3
WNW	.5	.5	.3	.1	.3							1.7	7.5
NW	.5	.4	.4									1.3	6.9
NNW	.1	.4	.4									.9	5.6
VARBL													
CALM												10.2	
	15.0	32.2	29.1	11.0	1.4							120.0	6.1

TOTAL NUMBER OF OBSERVATIONS 762

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 723835 STATION NAME VANCE AFB TX YEARS 73-81 MONTH ALL
 CLASS ALL WEATHER HOURS (L & T) 600-600
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.7	1.7	.7								5.2	6.4
NNE	.4	.9	1.0	.7								2.9	3.7
NE	.5	1.3	.4	.5								2.7	3.6
ENE	1.1	.7	.4									2.2	4.1
E	1.1	1.6	1.0	.1								4.3	4.5
ESE	1.0	1.3	1.8	.1								4.3	5.0
SE	1.1	3.7	3.7	1.0								8.4	6.9
SSE	1.8	5.5	4.5	1.2								13.2	6.4
S	3.3	4.7	12.8	9.3	1.3							20.7	9.2
SSW	1.2	1.9	3.4	2.6	.1	.1						9.4	5.7
SW	1.1	1.3	.7	.1								3.3	5.2
WSW	.7	.5	.1									.9	4.9
W	.4	.7	.1									1.7	4.4
WNW	.6	.4	.1									1.1	3.3
NW	.2	.1	.5									.9	5.4
NNW	.1	.7	.6									1.5	6.1
VARBL													
CALM												7.1	
	16.2	26.4	32.4	16.3	1.5	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 821

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 70353E NAME WAGC AFB OK STATION NUMBER 73-81 YEARS 1990-1991 MONTH AUG
 CLASS ALL WEATHER MONTH 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	.5	1.2	2.2	.6								4.5	7.3
NNE	1.4	.5	1.1	.7								4.1	6.4
NE	.7	1.0	1.1	.2								3.7	6.7
ENE	.7	1.0	.8	.2								2.3	6.7
E	.7	1.0	1.3	.5								3.5	6.6
ESE	.7	.5	1.1	.2								2.4	6.9
SE	.5	1.0	1.1	1.2	.2							4.3	8.3
SSE	.5	1.2	1.4	.7	.1							4.1	7.6
S	1.6	2.6	7.5	1.9	3.7	.1						25.7	11.1
SSW	1.2	2.7	6.1	13.3	2.3	.4						25.9	11.5
SW	1.1	1.9	2.0	3.3	.7							9.1	9.5
WSW	.7	1.2	.3	.5	.2							3.5	7.3
W	.5	.7	.7	.2								2.2	5.9
WNW	.2	.2	.2									.7	5.7
NW	.7	.2	.2									.7	4.8
NNW	.1	.2	.4	.6								1.3	9.2
VARBL													
CALM												2.9	
	11.4	17.4	28.1	33.2	6.6	.5						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535
STATION

VANCE AFB OK
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	.7	.8								3.6	7.6
NNE	.7	.7	2.0	1.0								4.4	7.9
NE	.6	.4	.4	.6								1.9	7.6
ENE	.7	1.2	1.3	.4								3.6	6.8
E	1.0	1.6	1.3	.4	.1							4.3	6.1
ESE	.4	1.3	.7	.6								3.7	6.7
SE	.5	1.1	1.6	.6								3.7	7.1
SSE	.7	1.6	2.7	2.9	.2							7.4	9.1
S	1.1	2.7	6.8	12.1	3.9	.8						27.5	12.1
SSW	1.4	2.7	5.4	10.2	2.2	.2						22.1	11.1
SW	.6	2.3	2.2	2.5	.2							7.8	9.2
WSW	.2	.6	1.1	1.0								2.9	9.0
W	.6	.6	.1	.1								1.4	5.2
WNW	.5		.1	.1								.7	5.7
NW	.2	.7	.2									.7	4.8
NNW	.6	.2	.6	.4								1.3	6.7
VARBL													
CALM												3.2	
	1.9	19.1	26.5	33.5	6.7	1.1						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

723535
STATION

VANCE AFB OK
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	1.4	1.1	.2			.1				4.4	9.3
NNE		.1	2.3	.8								4.2	3.5
NE	.5	.4	1.2	.5	.1							2.8	8.3
ENE	.5	1.0	1.0									2.4	6.3
E	1.6	2.4	1.8	.7								6.5	5.9
ESE	.6	.7	1.1	.4								2.9	6.9
SE	.8	1.3	2.4	1.1	.1				.1			5.9	8.5
SSE	.7	.8	3.5	3.0	.1							8.2	9.5
S	1.3	3.4	6.2	18.0	5.2	1.2	.1					35.4	12.6
SSW	.6	1.3	4.6	6.0	1.9	.4	.1					14.9	11.8
SW	.4	1.1	1.4	1.0								3.8	8.2
WSW	.4	.5	.1	.2								1.2	5.5
W	.4	.6	.5									1.4	5.7
WNW	.1	.1	.1	.2	.1							.7	9.3
NW	.1	.1	.1									.4	4.7
NNW	.5		.1			.1						.7	6.7
VARBL													
CALM												4.3	
	9.1	15.7	27.9	33.0	7.8	1.7	.2	.1	.1			100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

833

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 STATION VANCE AFB OK STATION NAME 73-81 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	.1	1.5	.9	1.0	.4							3.9	9.3
NNE	1.1	1.1	1.7	1.2								5.2	7.5
NE	.4	1.7	.6	.1								2.1	5.6
ENE	.7	.4	.6	.6								2.4	7.5
E	1.7	3.1	2.4	1.0								8.2	6.4
ESE	.2	2.1	2.7	1.1								6.2	8.3
SE	.9	1.5	4.0	1.4								7.7	7.8
SSE	1.4	2.2	4.7	6.6	.2	.1						15.3	9.7
S	2.4	4.2	10.8	13.0	3.7	.9						35.0	10.9
SSW	.6	.7	2.0	2.0								5.3	9.3
SW	.6		.5									1.1	4.7
WSW	.4	.1		.1								.6	4.6
W	.5	.2	.1	.1								1.0	5.3
WNW	.1	.2										.4	3.7
NW	.1	.1	.1		.1							.5	8.5
NNW	.1	.1	.1	.1								.5	7.0
VARBL													
CALM												4.6	
	11.4	18.9	31.3	28.4	4.5	1.0						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 805

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 VANCE AFB OK 73-81 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.0	.0	.5	.8	.4	.1						3.4	7.2
NNE	.1	1.3	1.0	.1								2.3	6.9
NE	.3	1.2	1.9	.3								3.6	7.5
ENE	.4	1.7	.6	.5	.1							3.4	7.3
E	1.6	2.3	1.9		.1							6.7	5.7
ESE	1.2	3.5	1.9	.5								7.1	6.1
SE	.9	4.9	6.1	1.9								13.9	7.3
SSE	1.7	4.4	11.3	3.5	.1	.1						21.2	8.1
S	1.4	5.1	8.7	7.7	1.2							24.0	9.3
SSW	1.4	1.3	.8	.3								3.8	5.4
SW	.7	.4	.1									.2	4.3
WSW		.4	.1									.5	5.8
W	.3	.3										.5	4.0
WNW													
NW				.1								.1	16.0
NNW	.1	.1	.1									.4	5.0
VARBL													
CALM												9.0	
	10.5	27.3	35.3	15.7	1.9	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 770

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 723535 VANCE AFB OK STATION NAME YEARS 73-81 MONTH ALL HOURS (L S Y) 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	1.2	1.1	.8	.1	.7		.0				3.9	7.8
NNE	.6	1.0	1.4	.7	.0	.7						3.5	7.6
NE	.5	.0	1.0	.3	.0	.0						2.6	7.0
ENE	.0	1.1	.7	.2	.7							2.7	6.2
E	1.7	2.1	1.5	.4	.7							5.3	5.9
ESE	.7	1.8	1.6	.4								4.5	6.6
SE	1.7	2.0	3.0	1.1	.0				.0			8.2	7.1
SSE	1.5	3.3	4.7	2.5	.1	.0						12.2	7.8
S	2.1	4.3	9.7	11.0	2.6	.4	.0					20.1	10.4
SSW	1.0	1.0	3.3	4.6	.9	.1	.0					11.8	10.3
SW	.6	1.1	1.0	.9	.1							3.3	8.0
WSW	.3	.5	.3	.2	.0							1.4	6.8
W	.4	.4	.2	.1								1.1	5.2
WNW	.7	.2	.1	.1	.0	.0						.9	6.4
NW	.2	.2	.2	.1	.0							.7	6.0
NNW	.7	.3	.3	.2		.7						1.0	6.8
VARBL													
CALM												6.2	
	12.0	23.2	30.2	23.6	4.1	.6	.0	.0	.0	.0		100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 6415

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 STATION VANCE AFB OK STATION NAME 73-81 YEARS SEP MONTH 0000-1200 HOURS (LST)
ALL WEATHER CLARE CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.1	2.1	1.5	.1							6.8	7.9
NNE	1.2	1.5	1.8	1.8	.6							6.9	6.6
NE	.4	1.7	1.4	.6								4.0	6.9
ENE	.4	.9	.7	.1								2.1	5.5
E	1.9	2.6	1.7	.1								5.4	5.1
ESE	1.9	2.6	1.0	.1								5.7	4.9
SE	2.2	7.1	2.0	.7	.1							12.3	5.6
SSE	1.1	7.2	6.1	.7								15.1	6.6
S	2.5	4.4	6.2	6.4	.9	.1						20.1	9.0
SSW	1.2	1.4	1.9	.3								5.8	5.7
SW	.3	.4										.7	3.6
WSW	.3	.4										.7	3.6
W	.4	.3	.4									1.1	4.6
WNW	.3	.7										1.0	4.0
NW			.1	.1								.3	12.5
NNW	.4	.4		.1								1.2	4.6
VARBL													
CALM												10.0	
	10.6	33.7	25.7	12.6	1.2	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 721

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 723535 NAME VANCE AFB OK YEARS 73-81 MONTH SEP
 CLASS ALL WEATHER HOURS (LST) 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	1.6	2.6	2.7	1.9	.1							9.3	7.4
NNE	1.1	1.1	1.5	1.0	.4							5.1	8.2
NE	1.0	1.9	1.7									3.8	5.3
ENE	.4	1.2	.7	.1								2.5	5.0
E	1.8	1.6	1.5	.1								5.1	5.1
ESE	1.4	1.7	.5									3.5	4.4
SE	2.2	5.5	3.4	.4								11.5	5.5
SSE	2.5	7.5	4.9	.7								15.6	6.0
S	2.5	6.1	5.2	4.8	.5							19.3	6.1
SSW	.7	1.4	1.1	1.1								4.2	7.3
SW	.7	.5	.3									1.5	4.4
WSW		.4										.4	4.7
W	.5	.8										1.4	3.8
WNW	.5	.8	.1									1.5	4.1
NW	.7	.3										1.0	3.4
NNW	.5	1.0	.3	.3								1.8	5.9
VARBL													
CALM												12.7	
	17.9	34.7	23.2	12.4	1.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION AFCE AFS OK STATION NAME 73-81 YEARS 54
 CLASS ALL WEATHER MONTH 677-7800
 CONDITION _____

SPEE. KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.7	4.5	2.8	.4							13.2	3.2
NNE	.6	.6	2.2	1.5	.1							5.2	6.7
NE	.9	1.7	.6	.1								3.2	5.7
ENE	.7	.7	1.7	.5								3.6	7.7
E	1.3	2.3	.9	.1								5.9	4.7
ESE	1.4	1.2	1.2	.1								3.3	5.7
SE	1.9	3.6	1.7	.8								7.8	5.3
SSE	2.7	6.0	4.9	1.2	.1							14.2	6.4
S	2.6	5.2	5.6	5.2	1.0							19.7	8.6
SSW	.8	1.8	1.7	1.7	.3							5.5	6.2
SW	.4	.5	.8	.1								1.3	6.5
WSW	.5	.3	.1									.9	3.9
W	.6	.3	.1									1.0	4.0
WNW	.5	.4	.3									1.3	4.1
NW	.4	.4	.1									.9	3.9
NNW	.7	1.2	.7	.4	.1							3.2	6.8
VARBL													
CALM												8.8	
	17.7	3.3	26.5	14.6	2.0							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 781

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WANCE AFB TX STATION NAME 73-81 YEARS 12 MONTH 7-14
 CLASS ALL WEATHER HOUR (LST)
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	4.1	4.5	1.0	.1						14.2	11.4
NNE	.5	1.4	2.2	3.1	.5							7.7	10.1
NE	.7	1.4	1.2	.7								3.5	7.2
ENE	1.5	1.1	1.0	.4								4.0	9.6
E	1.7	1.4	1.7	.2								5.1	5.9
ESE	1.0	1.7	.9	.1								3.7	5.2
SE	.4	2.1	1.6	.4	.7							5.2	6.8
SSE	.6	1.9	2.1	1.7	.4							6.7	8.3
S	.7	4.1	6.9	9.6	7.7	.4	.1					26.2	11.9
SSW	.7	1.4	2.7	4.1	2.1	.9						11.4	13.2
SW	.1	1.7	1.0	1.0	.2							4.1	7.7
WSW		.7	.5									1.2	6.2
W	.6	.5	.6	.1								1.9	6.1
WNW	.1	.1	.1									.4	5.7
NW	.7	.2		.1	.1							.7	8.2
NNW	.5	.5	.4	.6		.1						2.2	6.3
VARBL													
CALM												3.2	
	11.2	21.6	27.2	25.7	8.3	1.5	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 326

JOINT CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/AFMAC

SURFACE WINDS

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

STATION: LAJCL AFB OH STATION NAME: LAJCL AFB OH YEARS: 77-81 MONTH: ALL
 CLASS: ALL WEATHER HOURS: 0-1700
 CONDITION: _____

SPEED KNOTS DIR	1-3	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	1.7	3.7	4.4	.5	1.7						1.2	11.7
NNE		2.7	1.9	2.5	.4							7.4	4.1
NE		.9	2.1	1.2								4.3	7.1
ENE		1.1	.5	.4								1.0	5.3
E		1.7	1.4	1.7								1.0	6.1
ESE		1.2	1.7	.4								1.1	5.7
SE		2.1	1.7	1.6	.7							1.3	7.0
SSE		2.7	3.6	3.7	.7							1.3	9.5
S		4.1	4.4	3.9	3.7	.7	.1					23.3	11.9
SSW		.7	3.6	2.5	2.4	.5						11.1	12.9
SW		.7	.1	.9								2.5	6.4
WSW		.2	.1	.7								1.2	7.1
W		.1	.6	.1								1.1	6.7
WNW		.1	.4									.6	6.4
NW		.1										.6	3.3
NNW		.1	.4	.5								2.1	7.4
VARBL													
CALM												3.1	
	1.2	2.7	25.9	29.6	7.5	2.6	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 370

2

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAF

SURFACE WINDS

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

STATION LA CE AFB TX STATION NAME LA CE AFB TX YEARS 73-81 ZONE 50N
 CLASS ALL WEATHER HOURS 1800-1800
 CONDITION _____

SPEED (KNTS DIR)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.7	3.4	2.4	.7							11.3	7.8
NNE	.2	1.2	2.4	1.4	.5							6.4	6.6
NE	.7	1.3	.	.7								3.4	6.5
ENE	.4	1.7	1.7	.4								3.8	6.6
E	.6	3.4	1.7	.4								7.5	5.7
ESE	1.0	2.7	2.0	.1								5.2	5.3
SE	.7	2.9	4.3	1.0	.1							12.1	6.9
SSE	2.2	4.6	5.8	4.6	.9							17.7	9.7
S	2.5	5.7	4.8	7.3	1.4	.1						21.6	7.3
SSW	.7	1.7	1.4	1.6								4.3	6.2
SW	.7	.2		.1								1.1	6.7
WSW	.6		.1									.3	5.7
W	.3	.3		.1								.3	6.7
WNW			.2									.3	8.0
NW	.1	.4										.5	7.9
NNW	.7	.4	.1	.1								.9	6.7
VARBL													
CALM												5.1	
	13.5	23.7	28.7	20.3	3.7	.1						102.0	7.4

TOTAL NUMBER OF OBSERVATIONS 764

2

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

SURFACE WINDS

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

STATION WANCE AFB OK STATION NAME WANCE AFB OK YEARS 73-81 MONTH SEP
 CLASS ALL WEATHER HOUR (LST) 2100-2300
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.4	2.7	1.8	.8	.1	.1					7.5	7.9
NNE	1.1	1.5	2.8	1.4	.3							7.7	8.1
NE	1.1	1.1	1.4	.1								3.7	5.3
ENE	.7	.7	.5	.1								1.6	6.5
E	.2	4.7	1.9	.4								8.7	5.4
ESE	1.2	3.7	.9	.4								5.6	5.7
SE	1.6	7.2	3.9	.5								13.4	6.1
SSE	1.2	4.7	6.7	3.4	.8							16.7	6.1
S	3.3	5.7	7.7	6.1	.1							20.6	8.6
SSW	.7	.7	.8	.1								1.9	6.1
SW	.7	.7	.3									1.2	4.7
WSW	.7	.7										1.2	3.9
W	.4	.1										.5	2.8
WNW	.1	.3										.4	3.3
NW													
NNW	.7	.1	.1									1.1	3.3
VARBL													
CALM												7.9	
	10.6	32.0	27.9	14.4	2.7	.1	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 778

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

707535 VAYCL AFB OK 73-81 SEP

STATION STATION NAME YEARS MONTH

ALL WEATHER ALL

CLASS HOURS (LST)

CONDITION

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	3.4	2.1	.6	.2	.2					1.7	9.3
NNE	.2	1.3	2.1	1.7	.4							6.4	8.9
NE	.2	1.4	1.3	.6	.2							4.7	6.7
ENE	.2	1.1	.9	.3								3.0	6.1
E	1.6	2.4	1.5	.5								6.2	5.5
ESE	1.2	2.2	1.1	.2								4.5	5.3
SE	1.5	3.2	2.4	.7	.1							6.7	6.2
SSE	1.5	4.4	4.4	2.2	.4	.2						13.1	7.7
S	2.3	4.5	5.9	7.4	1.6	.2	.0					21.9	9.8
SSW	.6	1.3	2.0	2.1	.9	.2						7.2	10.7
SW	.3	.2	.6	.4	.2	.2						2.3	7.8
WSW	.2	.4	.2	.2		.2						1.2	6.1
W	.4	.3	.3	.0								1.1	5.2
WNW	.2	.3	.2									.7	4.7
NW	.2	.3	.2	.2	.0							.6	5.2
NNW	.4	.6	.4	.3	.2	.2						1.8	6.9
VARBL													
CALM												6.9	
	14.5	27.2	26.7	22.0	4.0	.7	.2					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 5151

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

707035 WANCE AFB OK 73-81 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHERED OCT-2299
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) D.R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.1	2.7	1.9	.7	.1						9.4	3.3
NNE	1.1	.8	.8	1.7	.3	.1	.1	.1				5.4	1.1
NE	.7	1.5	1.1	.9								4.2	7.3
ENE	.7	.4	.7									1.3	5.7
E	.9	1.7	.3									2.6	4.4
ESE		2.7	1.5									4.2	6.7
SE	.5	3.1	2.3	.3	.1							6.3	6.6
SSE	1.2	5.1	5.9	1.9	.3	.1						14.5	7.6
S	2.4	6.0	5.5	8.1	2.8							24.8	9.6
SSW	1.5	2.3	2.6	.5	.3	.7						7.4	7.4
SW	.7	2.1	.4									2.8	5.5
WSW	.3	.7	.4									1.5	4.8
W	.8	.5	.5	.1								2.2	5.2
WNW	.5	.3	.1	.1	.1							1.2	6.3
NW	.7	.3	.1			.1						.8	6.2
NNW	.7	.8	.8	.3	.3	.1						2.3	8.1
VARBL													
CALM												8.7	
	13.0	30.6	25.8	15.8	4.8	.9	.1	.1				100.2	7.2

TOTAL NUMBER OF OBSERVATIONS 705

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 VANCE AFS OK 73-81 OCT
 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	2.4	1.4	1.3	3.2	1.2	.1	.1					9.7	9.3
NNE	.4	.7	1.6	1.3	.1	.3	.3					4.7	11.2
NE	.5	1.1	.8	.1								2.5	6.3
ENE		1.1	.8									1.8	6.6
E	.5	.7	.9									2.1	5.3
ESE	.4	1.6	1.1	.1								3.2	6.7
SE	1.3	3.7	2.7	.3	.3							6.8	5.3
SSE	2.1	5.3	4.6	1.8	.3							14.1	6.9
S	2.0	6.2	6.2	6.4	1.3	.1						22.2	9.1
SSW	.5	2.9	1.8	1.1	.1	.1						6.6	7.8
SW	.4	2.1	.5									3.2	5.4
WSW		.9	.1	.1								1.2	5.8
W	.9	1.2										2.1	3.7
WNW	.9	1.1	.1	.1	.1	.1						2.4	6.2
NW	1.1	.9	.7	.1								2.6	4.9
NNW	1.1	.4	.5	1.2	.1	.1						3.8	8.3
VARBL													
CALM												11.2	
	14.3	30.7	23.0	15.9	3.5	.9	.4					100.7	6.9

TOTAL NUMBER OF OBSERVATIONS 761

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AD WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION VANCE AFB TX STATION NAME 73-81 YEARS 9CT
 CLASS ALL WEATHER HOURS (LST) 1600-1800
 CONDITION _____

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.1	1.4	4.8	.9	.4						10.7	11.1
NNE	.2	.7	1.5	2.6	.7	.2						6.2	11.5
NE	.1	1.2	1.7	.4								2.7	7.5
ENE	.1	.1	.4									1.1	5.9
E	.4	.9	.6									1.8	5.8
ESE	.1	1.2	1.6	.2								3.2	7.1
SE	.7	2.1	2.3	.1	.5							6.0	7.7
SSE	1.5	6.3	3.8	2.1	.4							14.4	7.2
S	1.7	6.7	7.7	6.3	1.6	.5						23.2	9.6
SSW	.5	2.1	2.1	.7	.6	.4						6.4	9.4
SW	.5	1.4	.7	.1								3.2	5.4
WSW	.4	.2	.2									.9	4.4
W	1.2	.9		.4								2.5	5.7
WNW	.0	.7	.1	.1	.1							2.0	5.3
NW	.5	1.2	1.7	.5	.1							3.3	6.9
NNW	1.4	1.1	.7	.6	.4							4.2	7.1
VARBL													
CALM												3.4	
	11.8	29.0	25.0	19.0	5.3	1.5						170.0	7.8

TOTAL NUMBER OF OBSERVATIONS 611

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION LA CL AFB OK STATION NAME 73-R1 YEAR OCT
 CLASS ALL WEATHER MONTH 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	1.4	1.6	2.7	5.5	2.4	.6						13.6	12.2
NNE	.7	.5	1.6	7.1	.8	.4						6.9	12.4
NE	.7	.5	.8	1.1	.2							2.9	10.5
ENE		.3	.4	.4								1.6	7.3
E	.7	.6	.8	.2								2.3	6.6
ESE	.2	.7	.5	.2								1.7	6.2
SE	.4	1.3	2.3	.5	.1	.1						4.7	8.2
SSE	.6	1.1	1.4	2.8	.2							6.1	10.0
S	.8	2.9	4.9	8.3	4.7	1.3						22.3	12.5
SSW	.2	.7	3.7	6.1	2.3	1.4						14.6	13.6
SW	.2	1.1	2.7	2.4	.7	.1						7.2	9.9
WSW	.7	1.1	.2	.6								2.7	6.5
W	.5	1.4	.2	.5								2.7	6.6
WNW	.4	.2	.6	.2	.1							2.2	6.7
NW		.3	1.2	.4	.5							2.2	9.4
NNW	.5	1.1	.2	1.1	.5							3.4	9.9
VARBL													
CALM												2.4	
	8.0	17.1	23.1	33.5	11.9	4.0						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 837

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 723735 VANCE AFB OK STATION NAME VANCE AFB OK YEARS 73-81 OCT NORTH

CLASS ALL WEATHER HOURS (LST) 1200-1400

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	3.0	7.1	1.9	.2						14.3	12.2
NNE	.5	1.0	1.4	2.3	.7							5.9	10.6
NE	.1	.4	1.1	1.0	.1							2.6	9.8
ENE	.1	.2	.6	.1								1.1	8.0
E	.5	.5	.2									1.3	4.1
ESE		.7	.2	.4								1.3	8.1
SE	.1	1.3	1.2	.4	.2							3.2	7.9
SSE	.7	1.3	2.2	1.1	.6							5.9	9.1
S	1.1	2.2	5.4	8.5	4.5	2.0	.1					23.8	13.0
SSW	.4	1.2	3.1	6.9	3.0	1.1	.1					15.8	13.6
SW	.5	1.0	1.4	2.4	.4	.4						6.0	11.1
WSW	.7	.8	.5	.6	.4							3.0	8.3
W	.4	.7	.5	.5	.1							2.2	7.8
WNW	.4	.7	.6	.2								1.9	6.4
NW	.2	1.1	.7	.8	.4	.2						3.5	10.7
NNW	.6	.9	.7	2.0	.7	.1						5.1	11.0
VARBL													
CALM												3.0	
	7.1	15.3	23.0	34.3	13.0	4.1	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 631

2

GENERAL CLIMATOLOGY BRANCH
 AFSTAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723535 VANCE AFB OK 73-81 OCT
 STATION STATION NAME YEARS MONTH
 ALL WEATHER 1500-1700
 CLASS HOUR (LST)
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	2.9	7.4	1.5	.5	.2					13.1	11.8
NNE	.1	1.2	1.9	3.0								5.3	9.0
NE	.7	.5	1.1	.2	.1							2.7	7.0
ENE	.2	.6	.5									1.3	5.7
E	.6	1.3	.5	.2								2.7	5.7
ESE	.2	.7	.4	.1								1.5	6.5
SE	.5	.7	.8	.6	.6							2.3	10.3
SSE	.5	1.5	2.8	2.3	.1							7.1	9.2
S	1.0	2.9	5.8	9.7	5.1	1.9						26.4	12.9
SSW	.7	1.5	2.3	5.8	1.9	.7						12.5	13.0
SW	.6	.7	.6	1.5	.6							4.0	10.2
WSW	.7	1.1	.4	.6								2.3	7.7
W	.5	.7	.4	.1	.1							1.8	6.3
WNW	.5		.5	.5								1.5	7.7
NW	.4	.7	.8	.5	.2	.4						3.7	10.5
NNW	.1	1.0	1.6	1.6	.8	.1						5.2	11.7
VARBL													
CALM												4.3	
	7.1	16.6	23.2	34.1	11.1	3.6	.2					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 827

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WAGL AFB OK STATION NAME: 73-81 YEARS: 1937-1940
 CLASS: ALL WEATHER MONTH: OCT
 CONDITION: _____

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	5.2	3.6	7.1	.6	.7						15.7	8.5
NNE	1.4	1.7	1.5	1.4	.2	.1						6.4	7.2
NE	.1	1.4	.5	.1								2.1	5.9
ENE	.4	1.4	.1									1.9	4.7
E	.3	1.5	.7									2.5	4.1
ESE	.6	2.7	.4	.1								3.9	5.1
SE	.0	2.2	2.4	1.6	.4							7.1	8.6
SSE	1.5	5.0	4.7	3.5	.2							14.2	7.9
S	.9	7.6	8.2	6.4	1.1	.7						24.4	9.7
SSW	.4	2.7	1.6	1.0	.1							5.9	7.5
SW	.1	.1	.1			.1						.9	7.1
WSW	.1	.4	.1									1.0	4.3
W	.1	.2	.2									.7	4.8
WNW	.6	.1										.4	2.0
NW	.1	.2	.1	.1	.4							1.2	11.6
NNW	1.0	.1	.5	.1	.4							2.7	7.2
VARBL													
CALM												9.2	
	1.6	33.6	23.7	17.4	3.5	1.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 623

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

SURFACE WINDS

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

STATION NAME: WANCE AFB OK STATION NUMBER: 77-81 YEARS: 1950-1951
 CLASS: ALL WEATHER MONTH: OCT
 HOURS: 100-200
 CONDITION: _____

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.7	3.4	2.2	.7	.4						1.2	2.3
NNE	.0	1.4	1.3	1.4	.4	.3						5.9	3.7
NE	.7	2.5	.7	.3								4.8	3.4
ENE	.0	.7	1.2									2.3	5.8
E	.0	2.5	.4									3.5	4.9
ESE	.4	2.1	1.7									4.2	5.9
SE	1.5	3.1	2.7	1.2	.3							3.6	7.2
SSE	1.3	3.0	5.6	4.4	.7							17.9	9.5
S	1.2	3.1	6.6	6.1	1.4	.4						21.3	9.4
SSW	.0	2.1	2.5	.3	.3							5.7	7.0
SW	.0	1.3	.3	.1								6.3	4.9
WSW		.7	.5									.3	6.2
W		.9	.1									1.7	5.0
WNW	.0	.3	.1									.7	4.8
NW	.7	.3										.5	4.7
NNW	1.0	.4	.1	.3	.3							2.5	6.4
VARBL													
CALM												8.1	
	11.7	32.2	27.2	16.3	3.9	1.0						100.3	7.2

TOTAL NUMBER OF OBSERVATIONS 769

CENTRAL CLIMATOLOGY BRANCH
 AFCE/TAC
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION LA CL AFB OK STATION NAME LA CL AFB OK YEARS 77-81 MONTH ALL
 CLASS ALL WEATHER CLASS ALL MONTH ALL
 CONDITION

SPEED KNOTS DIR	1-3	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	2.7	2.6	4.5	1.2	.4	.7					10.5	10.1
NNE	.1	1.1	1.5	2.1	.4	.7	.7					8.5	10.4
NE	.1	.1	.9	.5	.1							2.4	7.4
ENE	.2	.7	.6	.1								1.7	6.5
E	.1	1.7	.5	.1								2.4	5.2
ESE	.7	1.6		.2								2.8	5.2
SE	.7	2.5	2.5	.6	.3	.7						6.6	7.9
SSE	1.2	3.7	3.7	2.5	.3	.7						11.7	8.0
S	1.4	4.7	5.7	7.5	2.5	.8						27.1	10.7
SSW	.5	1.7	2.5	2.9	1.1	.7						7.3	11.1
SW	.7	1.7	.7	.8	.2	.1						3.7	8.5
WSW	.7	.7	.7	.3	.7							1.7	6.5
W	.7	.7	.7	.2	.7							1.7	5.7
WNW	.7	.7	.3	.2	.1	.7						1.5	6.2
NW	.7	.7	.5	.3	.2	.1						3.2	6.7
NNW	.7	.7	.7	.9	.4	.1						3.7	9.2
VARBL													
CALM												5.7	
	10.4	25.4	24.2	23.6	7.3	2.2	.1	.7				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 377

USAFAC OBTIMATELEBY BRANCH
 STATE
 SERVICE ZMAC

SURFACE WINDS

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

STATION NAME: ENCLAFB LK STATION NUMBER: 77-81 YEARS: NOV
 CLASS: ALL WEATHER MONTH: NOV
 HOUR PERCENT: 000-120

SPEED KNOTS DIR	1-3	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	7.7	3.7	1.2	.6						17.6	6.7
NNE	.1	.1	.7	1.9	.4	.1						4.9	11.1
NE	.1	.1	1.1	.6								2.6	7.1
ENE	.1	.4	.3									.8	6.2
E	.1	1.2	.3									2.2	6.4
ESE	.4	.7	1.2									2.4	6.1
SE	.7	2.7	2.8	.6								7.1	6.1
SSE	.1	5.3	3.7	.7	.6							11.3	6.7
S	1.1	1.1	4.4	7.6	.7							16.4	7.8
SSW	1.0	1.1	1.9	.7	.4							5.9	7.8
SW	.1	2.1	.3									3.2	4.4
WSW	.1	.4	.7									1.7	5.0
W	1.1	2.1	.1	.1		.1						4.4	5.3
WNW	.1	1.0	.6	.7								3.9	6.5
NW	.1	1.4	.4	1.0	.1	.1	.4					3.6	11.2
NNW	.1	1.1	1.1	1.1	1.2	.7						5.3	11.2
VARBL													
CALM												9.2	
	1.2	32.2	27.0	14.7	4.0	1.5	.4					122.1	7.1

TOTAL NUMBER OF OBSERVATIONS 721

2

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

SURFACE WINDS

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

STATION 1400 AFUCY STATION NAME 77-81 YEARS 1951-1952
 CLASS ALL WEATHER MONTH ALL
 CONDITION

SPEED KTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.0	3.7	4.7	1.1	.6	.1					17.7	1.0
NNE	.0	1.7	1.2	1.3	.4							4.6	1.1
NE	.0	.0	1.7	.1								1.8	1.7
ENE	.0	1.0										1.2	1.7
E	.0	1.0										1.2	4.0
ESE	.0	.4	1.0	.4								1.7	7.0
SE	.0	1.0	2.5	.3								3.8	6.3
SSE	1.7	5.1	2.2	1.0	.7							17.7	7.7
S	2.4	6.7	2.7	2.5	.6	.7						16.2	7.4
SSW	.0	1.0	.7	.7	.7							4.8	7.0
SW	.0	2.0	1.1	.4	.1							4.2	6.7
WSW	.0	1.4	.1									1.5	4.4
W	1.1	1.0	.4									3.5	4.5
WNW	.0	2.1	.0	.4	.7							4.7	7.0
NW	.0	1.3	.3	.7	.3	.1	.1	.1				3.7	1.0
NNW	.0	1.0	1.7	2.3	.0	.1	.2	.1				6.7	17.5
VARBL												17.5	
CALM												17.5	
	1.0	37.0	20.9	15.6	4.0	1.4	.4	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 722

FEDERAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE / MARS

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

SURFACE WINDS

STATION NAME: LAKE AND CO STATION NUMBER: 73-81 YEARS: _____ MONTH: NOV
 ALL WEATHER CLEAR HOURS PER DAY: 600-000
 CONDITION: _____

SPEED ANGL DIR	1-3	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	3.7	3.9	1.2	1.6	.1						7.4	1.1
NNE				1.0	.4							7.0	1.0
NE		.7	.4	.3								1.3	0.6
ENE		.1										1.3	2.5
E		1.7	.1	.1								2.0	4.5
ESE	.1	1.2	1.7	.7								3.5	7.1
SE	.2	1.7	2.1	.1								4.5	6.4
SSE	.1	3.9	3.7	1.2	.1	.1						4.5	7.5
S	1.1	5.2	6.7	3.2	.1	.1						16.5	7.3
SSW		1.7	1.3	1.3								4.5	7.4
SW		1.2	1.4	.5	.1							4.7	6.6
WSW		.5	.3									1.1	4.2
W	1.2	.1	.1									4.2	5.7
WNW	1.7	2.1	.7	.7	.1	.7						5.7	6.4
NW	.7	1.2	.7	.6	.1	.1	.1					3.5	3.3
NNW		1.1	1.7	2.7	.9		.1	.1				6.5	10.7
VARBL												7.7	
CALM													
	14.7	29.2	27.1	15.9	3.1	.2	.3					100.2	7.2

TOTAL NUMBER OF OBSERVATIONS 772

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/LMCC

SURFACE WINDS

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

STATION WANCE AFB OK STATION NAME 73-81 YEARS 1977-1980 NO. MONTHS 48
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1100
 CONDITION _____

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	2.0	5.8	2.2							17.0	11.7
NNE	.1	1.6	2.7	3.0	.5	.4						5.3	1.6
NE	.1	.1	1.3	.6								2.2	6.7
ENE	.4	.6	.1									1.0	4.6
E	.1	1.7	1.1	.1								3.2	5.6
ESE	.1	2.1	.2	.5								3.2	6.5
SE	.4	.1	1.9	.5								3.2	7.6
SSE	.7	1.2	2.4	1.1		.2						5.6	8.3
S	.7	2.7	3.6	6.3	1.9	.1	.1					15.5	11.2
SSW	.6	1.7	3.7	4.5	.9	.2						11.7	12.8
SW	.1	1.1	.5	1.5	.1							3.3	9.3
WSW	.1	.5	1.2	.1	.1							2.2	7.7
W	.7	1.7	.5	.9	.4							4.2	8.4
WNW	.3	1.4	1.6	.9	.1							4.5	7.8
NW	.6	1.9	1.2	1.1	.2	.1	.2					6.1	9.6
NNW	.2	1.7	1.1	3.2	1.9	.5						8.6	12.6
VARBL													
CALM												3.2	
	7.5	22.0	26.2	30.2	8.3	1.6	.4					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 874

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAAC

SURFACE WINDS

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

STATION WANCE AFB OK STATION NUMBER 73-81 YEARS NOV
 MONTH 1930-1970
 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	.8	2.7	3.4	7.6	1.9	.5						16.4	11.6
NNE	.5	1.5	2.2	1.6	.7	.1						6.3	9.3
NE	.5	1.7	1.0	.2								2.6	6.6
ENE	.5	.5	.6									1.6	5.6
E	.7	.5	.6									2.7	5.1
ESE	.4	.6	.1	.4								1.5	6.5
SE	.7	.7	1.1	.6								3.7	7.1
SSE	.7	1.2	1.5	1.9	.1							5.2	9.2
S	1.0	2.4	4.7	7.7	2.0	.2						17.3	11.2
SSW	.7	1.2	2.6	4.9	2.0	1.7	.2					12.2	13.5
SW	.2	.7	1.9	2.4	.2	.1						5.6	10.8
WSW	.5	.5	.9	.6								2.5	7.5
W	.5	.7	.7	.6	.5	.1						3.4	9.4
WNW	.1	1.0	1.6	.6	.5		.1					4.3	9.8
NW	.4	.7	.7	1.0	.5	.1	.1					3.6	11.3
NNW		1.5	2.6	4.7	.7	.7						10.1	12.2
VARBL													
CALM												2.2	
	7.0	17.0	26.4	33.3	9.7	3.7	.5					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 804

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WVANCE AFB TX STATION NAME WVANCE AFB TX YEARS 73-81 MONTH NOV
 CLASS ALL WEATHER MONTH NOV
 HOUR 12-1700
 CONDITION

SPEED KNTS DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.0	5.6	7.1	1.2	.4						17.9	10.9
NNE	.1	1.0	1.7	1.0	.5	.2						5.2	10.2
NE	.4	1.4	1.0	.4								3.0	7.1
ENE		.7	.7									1.2	6.9
E	.4	2.0	.7	.4								3.5	6.1
ESE	.4	.0	.9	.1								2.2	6.3
SE	.4	.9	.9									2.1	6.7
SSE	1.0	1.0	2.0	1.2	.5	.1						6.7	8.4
S	.1	2.2	7.0	6.2	1.9							19.3	10.1
SSW	.7	1.7	2.5	4.4	1.4	.2						11.9	11.1
SW	.4	1.0	.7	1.1	.5							3.7	9.8
WSW	.4	.0	.5	.4	.1							2.2	7.4
W	.4	.2	.6	.9	.4	.1						2.6	11.7
WNW	.1	1.2	.1	.5								2.0	6.9
NW	.0	1.2	1.1	.9	.5	.2						4.2	10.5
NNW	.7	1.2	2.6	2.9	1.0	.2						8.7	10.6
VARBL													
CALM												4.4	
	5.2	21.8	28.7	27.4	8.0	1.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 824

2

GLOBAL CLIMATOLOGY BRANCH
AFM/TAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION WANCE AFB OK STATION NAME 77-81 YEARS NOV
 CLASS ALL WEATHER MONTH NOV
 HOURS (LST) 1800-2000
 CONDITION

SPEED (KNTS)	1-3	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	4.7	4.5	4.0	1.8	.4						17.5	4.2
NNE	1.7	2.3	1.0	1.0								5.7	6.7
NE	1.7	1.6	.4									3.7	4.6
ENE	.5	1.8	.6									3.1	4.7
E	.6	1.7	.4	.5								3.2	6.1
ESE	.8	1.7	.6									3.1	5.1
SE	1.0	2.3	.6	.3								3.1	4.9
SSE	2.6	4.9	3.9	1.7	.1							12.0	6.4
S	1.0	6.0	6.7	3.4	.3							20.3	7.3
SSW	.8	2.3	1.0	.5								4.7	6.2
SW	.3	.4	.3	.1								1.6	5.6
WSW	.4	.4			.4	.3						1.4	11.3
W	.5	1.0	.3	.3								2.1	5.7
WNW	.6	.1	.5	.4								1.8	6.6
NW	.0	.8	.4	.1	.3	.1						2.5	7.4
NNW	1.7	.0	2.1	.9	.3							5.1	8.2
VARBL													
CALM												7.3	
	17.5	35.4	23.4	12.6	3.1	.8						100.1	6.5

TOTAL NUMBER OF OBSERVATIONS 770

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1975 35 VANCE AFB OK 77-81 NCV
STATION STATION NAME YEARS MONTH

ALL WEATHER 2100-2300
CLASS HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.6	5.3	3.9	1.5	1.2						15.1	11.0
NNE	.9	1.7	1.1	1.3								5.1	7.7
NE	.7	1.6	.8	.3								3.0	6.1
ENE	.1	1.1	.4									1.6	5.7
E	.7	1.6	.9	.1								3.0	6.7
ESE	.3	.7	.8	.3								2.3	6.3
SE	1.6	1.0	1.8	.4								5.5	5.7
SSE	.2	4.1	3.8	1.3								13.4	6.5
S	1.7	5.0	8.7	3.4	.1							18.4	7.9
SSW	.9	1.6	2.4	.4		.7						5.7	7.5
SW	1.7	1.3	.4									3.1	4.3
WSW	.4	.7	.1			.1						1.3	6.0
W	.1	1.5	.1			.1	.3	.1				3.2	6.2
WNW	.3	.3	.4	1.1				.1				2.7	9.6
NW	.7	1.5	.8	.7	.1							3.3	6.8
NNW	.4	.7	.8	.5	.9							3.6	10.3
VARBL													
CALM												9.2	
	17.1	31.0	27.9	13.8	2.7	1.8	.3	.3				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 741

2

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WALLACE AFB TX STATION NAME 73-81 YEARS NOV
 CLASS ALL WEATHER MONTH NOV
 HOURS (LST) 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	1.7	2.4	4.7	5.2	1.6	.5	.1					15.3	10.5
NNE	.4	1.4	1.7	1.6	.4	.1						5.9	5.3
NE	.4	.8	.8	.3								2.5	5.7
ENE	.4	.8	.4									1.5	4.9
E	.5	1.4	.6	.2								2.7	5.6
ESE	.4	1.1	.9	.2								2.5	6.5
SE	.8	1.6	1.7	.3								4.4	6.4
SSE	1.5	3.6	2.9	1.3	.2	.1						9.5	7.2
S	1.7	4.8	5.5	4.5	.9	.1	.7					17.5	8.8
SSW	.8	1.7	2.0	2.2	.7	.2	.0					7.7	10.7
SW	.8	1.4	.8	.8	.1	.7						3.8	7.6
WSW	.5	.7	.4	.1	.1	.1						1.7	6.6
W	.2	1.5	.5	.4	.2	.1	.7	.0				3.4	7.2
WNW	.6	1.4	.8	.6	.1	.1	.0	.0				3.6	7.6
NW	.5	1.3	.7	.8	.3	.1	.1	.0				3.9	9.5
NNW	.5	1.3	1.7	2.4	1.7	.2	.0					7.1	11.1
VARBL												5.6	
CALM												5.6	
	11.8	27.7	25.5	21.0	5.5	1.6	.3	.7				120.2	8.1

TOTAL NUMBER OF OBSERVATIONS 6138

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION VANCE AFB OK STATION NAME ALL WEATHER YEARS 74-81 MONTH 010
 CLASS ALL WEATHER HOURS (LST) 0000-1200
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	3.6	5.0	2.3	.4						14.8	11.3
NNE	.0	.7	1.2	1.7	.1	.3						4.4	10.5
NE	.1	1.2	.8	.7		.1						2.6	7.7
ENE	.0	.5										1.1	3.6
E	.7	1.1	.8	.3								2.4	7.1
ESE	.7	.5	1.2	.1								2.6	6.4
SE	.4	2.3	1.5	.1								4.3	6.3
SSE	1.0	3.4	2.6	1.1								8.5	6.8
S	.0	4.6	5.5	4.3	1.2	.4						18.3	9.1
SSW	1.1	1.0	2.3	.8	.8	.1						6.6	8.8
SW	1.2	2.3	1.9	.4	.1							5.9	6.4
WSW	.8	1.3	.7									3.3	5.0
W	1.2	2.7	.9									4.2	5.0
WNW	.4	2.2	.4	.4								3.8	6.3
NW	.0	1.6	1.1	.3								3.5	5.9
NNW	.0	1.1	1.5	.9	.5	.5						5.1	10.4
VARBL													
CALM												9.9	
	12.5	28.9	25.9	15.7	5.1	1.9						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 744

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 727135 STATION NAME LAKE AFB OK YEARS 74-81 MONTH DEC
 CLASS ALL WEATHER HOURS (LST) 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	.3	1.4	2.4	5.9	2.7	.4						13.9	12.6
NNE	1.2	.7	2.2	1.6	.7							6.3	9.7
NE	.5	.5	.1	.1								1.3	4.8
ENE	.7	.5	.4	.1								1.3	5.9
E	.3	.5	.9	.5								2.3	6.9
ESE		1.7	.5	.8								2.7	7.9
SE	.4	2.3	1.1	.5								4.3	6.9
SSE	1.2	3.6	3.2	1.1								9.2	6.9
S	1.2	4.5	6.5	4.8	.9							19.3	8.8
SSW	.1	1.7	1.2	.9	.4							4.2	9.4
SW	.5	2.7	1.2	.4	.1							4.3	6.7
WSW	.3	1.5	.5									2.7	5.0
W	1.5	1.7	1.3	.1								4.8	5.1
WNW	.7	2.4	1.3	.3	.3							5.2	6.3
NW	.8	1.3	.8	.4								3.9	5.8
NNW	1.1	.7	1.3	.7	.8			.1				5.7	9.4
VARBL													
CALM												9.7	
	12.0	27.3	25.2	18.4	5.9	.4		.1				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 743

2

GENERAL CLIMATOLOGY BRANCH
 WAFSC/AFAC
 AIR WEATHER SERVICE/AMC

SURFACE WINDS

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

STATION WANCE AFB, OK STATION NAME 77-81 YEARS 1950-1970
 MONTH 1500-1800
 CLASS ALL WEATHER
 HOUR (LST) 1500-1800
 CONDITION _____

SPEED KNTS: Dir	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.0	2.5	5.6	2.9	.8						14.7	12.9
NNE	.0	.0	1.4	2.1	.4	.4						5.3	11.0
NE	.0	.0	.6	.1								1.9	8.9
ENE	.0	.0	.0	.7								1.5	4.9
E	.0	.4	.6	.3								1.9	6.5
ESE	.0	.0	1.6	1.0								3.3	8.7
SE	.0	2.3	2.1	.3								5.2	6.6
SSE	.0	1.2	3.2	.6								7.7	6.9
S	1.0	4.2	5.2	4.2	.6	.1						19.5	8.5
SSW	1.0	1.0	2.5	1.4	.4							7.1	6.2
SW	.0	1.4	1.1	.4								3.5	6.3
WSW	.0	1.3	.5									2.3	5.0
W	1.7	1.4	1.5									4.2	5.7
WNW	1.1	2.0	1.9	.1		.1						6.1	6.4
NW	1.0	2.3	1.0	.8	.3	.4						6.2	7.4
NNW	.4	1.3	1.6	2.0	.3							5.6	9.9
VARBL													
CALM												2.8	
	12.2	25.0	27.5	19.1	4.8	1.8						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 792

FEDERAL CLIMATOLOGY BRANCH
 WAFB/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WAFB AF B OK STATION NAME: 73-81 YEARS: DEC 80
 MONTH: DEC
 CLASS: ALL WEATHER HOURS: 00-1100
 CONDITION: _____

SPEED (KNOTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	4.7	8.9	3.5	.4	.1					18.8	13.7
NNE	.2	.4	1.0	1.8	.5	.4						4.3	12.7
NE	.4	.5	1.3	.6	.1							2.9	8.3
ENE	.1		.2	.2								.6	6.4
E	.2	.7	.5	.2								1.4	6.4
ESE	.2	.7	.4	.2	.2							1.7	6.5
SE	.5	1.7	1.8	1.0								4.3	8.7
SSE	.2	1.1	2.7	2.3	.4							6.6	9.4
S	.7	2.7	3.5	6.2	2.1	.4						16.5	11.2
SSW	.4	1.2	2.2	2.1	1.6	.2						7.7	11.7
SW	.5	1.3	1.2	1.0	.1	.4						4.5	8.9
WSW	.4	1.7	1.6	.2								3.2	7.2
W	.4	1.5	1.8	.5								4.4	6.9
WNW	.6	1.6	1.7	.7	.1							4.6	7.3
NW	.7	1.8	2.6	1.6	.2	.4	.1					7.4	9.2
NNW	.7	1.2	1.8	2.2	.7	.7	.1					7.7	11.3
VARBL													
CALM												4.7	
	7.7	17.8	27.7	29.9	9.6	2.9	.4					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 619

FEDERAL CLIMATOLOGY BRANCH
 AFM TAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION LA CL AFB TX STATION NAME LA CL AFB TX YEARS 77-81 MONTH NOVEMBER

CLASS ALL WEATHER MONTHS NOVEMBER

CONDITION _____

SPEED KNTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.5	3.9	1.5	4.4	1.3	.7					22.0	14.1
NNE	.0	.5	1.3	1.0	.7	.7						3.8	11.1
NE	.1	.4	.6	.4	.2							4.7	7.8
ENE		1.0	.7	.7								1.9	7.7
E	.0	.6		.1								1.1	6.1
ESE	.7	.1		.2	.1							.7	6.6
SE	.4	.7	1.6	1.0								3.4	7.4
SSE	.7	1.2	1.3	1.3	.6							6.0	9.7
S	1.2	1.7	3.7	5.4	2.3	.6	.1					14.4	12.4
SSW	.4	1.1	2.4	3.8	2.2	1.0						11.0	13.7
SW	1.3	.7	1.5	2.2	.9	.7						6.9	10.5
WSW	.6	.9	.5	.6								2.8	6.7
W	.7	1.7	.9	1.1	.1	.2						4.3	6.9
WNW	.1	1.0	.6	.9	.1							2.7	9.1
NW	.1	1.0	1.9	2.1	.1	.7						5.7	11.1
NNW	.0	.7	3.2	3.4	.6	.7						9.5	11.2
VARBL													
CALM												2.4	
	7.6	14.7	23.5	34.1	11.9	5.4	.4					170.2	11.2

TOTAL NUMBER OF OBSERVATIONS 821

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

SURFACE WINDS

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

STATION VAUCE AFB TX STATION NUMBER 77-81 YEARS 1950-1951
 CLASS ALL WEATHER MONTH DEC
 CONDITION _____ HOURS (LST) _____

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.0	4.0	1.0	7.3	1.2	.1					22.0	11.1
NNE	.0	1.2	1.5	1.4	.5							4.6	7.8
NE	.0	1.0	1.1	.2	.1							2.5	6.1
ENE	.0	1.5	.7									2.5	5.5
E	.1	.0	.1	.4								1.2	6.7
ESE	.1	.0	.0	.5								1.3	7.0
SE	.0	.0	1.7	.2								3.3	6.2
SSE	.0	2.2	1.1	.0	.2							3.7	7.5
S	1.1	2.7	4.6	5.7	2.5	.4						17.1	12.2
SSW	.0	1.2	2.3	3.2	.0	.5						6.9	11.4
SW	.0	.0	.5	2.0	.7	.1						4.7	9.4
WSW	.0	.0	.6	.6		.1						3.1	7.4
W	.0	.1	.0	.4								1.2	6.6
WNW	.0	.0	.2	.4	.2	.4						2.3	12.0
NW	.0	1.1	1.0	1.2	.1	.2						4.1	10.9
NNW	.2	2.1	2.5	2.5	.0	.2	.0					5.5	10.1
VARBL												4.3	
CALM												4.3	
	20.1	24.6	23.4	9.2	3.2	.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 111

CLIMATE CLIMATOLOGY BRANCH
 METEOROLOGICAL
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: LA CE AFB TX STATION NAME: LA CE AFB TX YEARS: 77-81 MONTH: ALL
 CLASS: ALL WEATHER HOURS: 0000
 CONDITION: _____

WIND DIR	1-3	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	0.0	4.4	0.0	0.1	1.7	0.0	0.0	0.0	0.0	0.0	0.1	1.0
NNE	0.0	1.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
ESE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
SE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	1.0	0.0	7.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
SSW	0.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.0	32.0	24.5	15.4	3.9	1.2	0.0	0.0	0.0	0.0	0.0	100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 171

CENTRAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NAME LAKE AFB, TX STATION NUMBER 77-21 YEAR 77 MONTH DEC
 CLASS ALL WEATHER HOUR(S) 100-200
 CONDITION

SPEED KNTS DIR	1-3	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	4.4	3.2	5.9	2.7	.8						19.2	11.8
NNE	.1	.1	1.5	1.7	.1							4.5	4.6
NE	.1	.1	.4	.4	.3	.1						2.1	3.3
ENE	.1	1.3	.1									1.9	4.4
E	.1	1.1	.5	.4								3.2	6.7
ESE	.1	.9	1.2	.1								3.7	6.1
SE	.1	1.5	2.7									4.7	8.5
SSE	.1	2.2	3.5	1.1	.1							9.8	7.4
S	1.1	4.5	6.7	4.7	1.2	.3	.1					18.5	9.3
SSW	.1	2.1	1.9	1.3	.3	.1						6.5	6.4
SW	.1	2.3	1.1	.4								4.8	5.8
WSW	.1	1.5	.7									2.4	5.4
W	.1	1.4	.9	.3								3.5	5.3
WNW	.1	.1	.1									.9	3.1
NW	.1	.1	.3									1.7	4.8
NNW	.1	1.7	1.6	.5	.3	.7						5.1	6.2
VARBL													
CALM												9.7	
	13.7	29.9	26.3	16.8	4.9	1.6	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 75

2

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20541
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 12105 RANCE AFB OK STATION NAME 73-91 YEARS DEC MONTH
 CLASS ALL WEATHER HOURS (LST) ALL
 CONDITION

SPEED KNTS D.P.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.5	3.7	7.3	3.7	.9	.1					18.3	12.4
NNE	.4	.7	1.4	1.6	.3	.7						4.5	12.5
NE	.7	.7	.7	.3	.1	.7						2.2	7.7
ENE	.4	.7	.4	.1								1.7	6.6
E	.7	.4	.4	.3								2.2	6.2
ESE	.4	.5	.7	.4	.7							2.3	7.1
SE	.4	.5	1.8	.4								4.1	7.7
SSE	.7	2.7	2.5	1.2	.2							7.4	7.6
S	1.4	4.7	5.1	4.9	1.4	.7	.7					17.2	9.7
SSW	.6	1.6	2.2	1.9	.8	.3						7.7	12.3
SW	.7	1.6	1.2	.9	.7	.1						4.5	7.9
WSW	.7	1.1	.7	.2		.7						2.6	5.9
W	.9	1.4	1.1	.3	.7	.7						3.7	6.1
WNW	.7	1.5	.8	.4	.1	.1						3.4	7.2
NW	.7	1.7	1.1	.8	.1	.2	.7					6.4	6.3
NNW	.7	1.7	1.8	1.7	.6	.4	.7	.7				6.5	10.1
VARBL													
CALM												7.7	
	13.5	24.5	25.7	22.6	7.7	2.4	.2	.7				170.0	8.6

TOTAL NUMBER OF OBSERVATIONS 6252

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 023535 NAME: AFB DM STATION NUMBER: 73-8 YEARS: ALL
 CLASS: ALL WEATHER MONTH: ALL
 CONDITION: ALL

SPEED KNTS DIR	1-3	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	3.0	3.9	1.3	.4	.1	.0	.0	.0	.0	11.5	11.7
NNE	.2	1.1	1.6	1.4	.3	.1	.0	.0	.0	.0	.0	4.8	6.2
NE	.4	1.1	1.1	.5	.1	.0	.0	.0	.0	.0	.0	3.2	7.4
ENE	.5	1.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	2.8	6.7
E	.5	1.7	1.2	.4	.0	.0	.0	.0	.0	.0	.0	4.1	6.1
ESE	.2	1.6	1.2	.4	.0	.0	.0	.0	.0	.0	.0	3.3	6.6
SE	.4	2.1	2.5	.9	.1	.0	.0	.0	.0	.0	.0	6.6	7.2
SSE	1.2	3.2	3.7	2.4	.4	.1	.0	.0	.0	.0	.0	10.9	8.3
S	1.4	3.1	6.1	7.5	2.1	.4	.0	.0	.0	.0	.0	11.3	10.6
SSW	.7	1.3	2.1	2.5	.8	.0	.0	.0	.0	.0	.0	7.0	11.8
SW	.4	1.1	.9	.8	.2	.0	.0	.0	.0	.0	.0	3.4	6.4
WSW	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	1.7	7.7
W	.5	1.2	.6	.3	.1	.0	.0	.0	.0	.0	.0	2.7	6.6
WNW	.4	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	2.2	7.8
NW	.4	.7	.7	.7	.3	.1	.0	.0	.0	.0	.0	3.1	9.7
NNW	.7	.7	1.1	1.3	.5	.2	.0	.0	.0	.0	.0	4.5	10.7
VARBL													
CALM												0.1	
	10.4	24.3	27.2	23.8	6.3	1.7	.2	.0	.0	.0	.0	100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 74028

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION VANCE AFB OK STATION NAME 73-81 YEARS ALL MONTHS
INSTRUMENT CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CLASS AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE
CONDITION ALL HOURS (L.G.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	2.7	6.8	17.7	4.2	1.6	.2	.0				25.6	12.7
NNE	.6	1.6	2.9	2.8	.5							8.4	9.6
NE	.7	1.3	1.9	.9	.7							4.5	6.0
ENE	.2	1.2	1.5	.5		.7						3.8	7.4
E	1.0	1.9	2.1	.9	.0							5.9	6.9
ESE	.6	2.1	1.7	.9								5.7	7.2
SE	.7	1.6	2.3	1.3	.2				.0			6.0	8.6
SSE	.7	1.7	2.3	2.5	.5	.1						7.6	9.7
S	.7	1.8	3.7	4.7	1.4	.3	.8	.0				11.4	11.7
SSW	.7	.6	.8	.6	.3	.7	.0					2.6	9.9
SW	.7	.4	.2	.2	.0	.0						1.1	7.0
WSW	.7	.2	.2	.1	.0	.0						.7	7.8
W	.7	.3	.3	.3	.1	.0						1.3	10.1
WNW	.7	.2	.3	.3	.1	.1	.0					1.2	11.0
NW	.7	.4	.5	.7	.3	.2	.1	.0				2.3	12.7
NNW	.4	1.0	1.6	1.9	1.1	.6	.1					6.7	12.6
VARBL													
CALM												4.9	
	7.7	18.6	28.5	28.4	8.9	3.1	.4	.0	.0			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 6417

2

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

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

```

      8888888888      00000000      555555555555      0000      888888
      8888888888      00000000      555555555555      00000000      88888888
      88      88      000      000      55      000      000      88      88
STATION  STATION NAME  YEARS  000  00000  55  YEARS  000  00000  88  NORTH  88
      88      88      00  00  00  55      00  00  00  88      88
      8888888888      00  00  00  CLASS  5555555555      00  00  00  88888888
      8888888888      00  00  00  555555555555      00  00  00  8888888888
      88      88      00  00  00  CONDITION  55      00  00  00  888      888
      88      88      0000      000      55      55      0000      000      888      888
      8888888888      00000000      5555555555      00000000      8888888888
  
```

SPEED (KNTS) DIR	PERCENTAGE FREQUENCY										WIND SPEED
	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55		≥ 56
N											
NNE											
NE											
ENE											
E											
ESE											
SE											
SSE											
S											
SSW											
SW											
WSW											
* W *	* UNIVAC 1100 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- LEV. 3720*24										
WNW											
NW											
NNW											
VARBL											
CALM											

TOTAL NUMBER OF OBSERVATIONS _____

RUNID * 80508C

USER ID *

PART NUMBER * 00

INPUT DEVICE * CR2

FILE NAME * LSTF122

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

CREATED AT: 23:05:45 NOV 16, 1982

PRINT

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L & T) _____

CONDITION _____

SPEED KNTS D.R	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

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																
0					95.4		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.

NATIONAL METEOROLOGICAL SERVICE
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ...

73-81

...

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

...

58.7	58.7	58.5	59.4	59.5	59.5	59.7	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
62.0	62.3	63.1	64.2	64.3	64.3	64.6	64.6	64.6	64.6	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
62.7	63.1	63.7	64.7	64.8	64.8	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
62.9	63.1	63.7	64.7	64.8	64.8	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
63.7	63.7	64.3	65.3	65.5	65.5	65.7	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
63.9	64.8	65.5	66.5	66.6	66.6	66.9	66.9	66.9	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
67.3	67.7	68.3	69.5	69.7	69.7	70.4	70.5	70.5	70.5	70.7	70.7	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0
68.4	68.2	69.8	70.5	70.2	70.2	70.9	70.9	70.9	70.9	71.2	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
68.1	69.5	70.1	71.4	71.6	71.6	71.9	71.9	71.9	71.9	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
69.1	69.6	70.2	71.5	71.8	71.8	72.0	72.0	72.0	72.0	72.3	72.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8
69.1	70.1	70.7	72.0	72.3	72.3	72.6	72.6	72.6	72.6	72.8	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
69.6	71.0	71.6	73.2	73.5	73.5	73.7	73.7	73.7	73.7	74.0	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
69.7	71.5	72.2	73.7	74.0	74.0	74.2	74.2	74.2	74.2	74.5	74.6	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0
70.2	72.2	72.8	74.4	74.6	74.6	74.9	74.9	74.9	74.9	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
70.4	72.3	74.0	75.6	75.9	75.9	76.2	76.2	76.2	76.2	76.5	76.6	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2
70.9	74.1	74.7	76.4	76.7	76.7	76.9	76.9	76.9	76.9	77.1	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
70.7	75.8	76.4	78.1	78.5	78.5	78.7	78.7	78.7	78.7	79.1	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
70.5	76.4	77.6	79.5	80.3	80.3	80.7	80.7	80.7	80.7	81.1	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
70.5	77.2	77.8	79.9	80.7	80.7	81.1	81.1	81.1	81.1	81.4	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1
70.1	78.4	79.3	81.3	82.1	82.1	82.5	82.5	82.5	82.5	83.0	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
70.4	78.9	79.9	82.3	83.2	83.2	83.6	83.6	83.6	83.6	84.3	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9
70.7	80.3	81.6	84.1	85.2	85.2	85.7	85.7	85.7	85.7	86.5	86.7	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2
70.7	81.2	82.2	85.1	86.1	86.1	86.7	86.7	86.7	86.7	87.5	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3
70.9	81.6	82.8	85.7	86.9	86.9	87.6	87.6	87.6	87.6	88.0	88.3	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
70.7	81.6	82.6	85.8	87.0	87.0	87.5	88.1	88.5	88.5	89.2	89.4	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9
70.9	81.6	82.7	86.1	87.5	87.5	88.7	89.0	89.3	89.7	89.9	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
70.7	81.6	83.0	86.7	88.5	88.5	89.9	90.6	91.0	91.4	91.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
70.7	81.8	83.5	87.2	89.4	89.6	91.4	92.1	92.5	92.9	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
70.7	82.0	83.5	87.4	89.8	90.2	92.1	93.3	93.7	94.1	94.6	94.6	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
70.9	82.0	83.6	87.5	90.1	90.5	92.5	93.8	94.6	95.0	95.5	95.5	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4
70.7	82.0	83.6	87.5	90.1	90.5	92.5	93.8	94.6	95.0	95.5	95.5	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4
70.9	82.0	83.6	87.5	90.1	90.5	92.5	93.8	94.6	95.0	95.5	95.5	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 776

...

FEDERAL CLIMATOLOGY BRANCH
WENTZ
METEOROLOGICAL SERVICE/NAO

CEILING VERSUS VISIBILITY

STATION NAME: ANCON AIRFIELD
ELEVATION: 100 FT

73-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1959

57.7	57.2	57.4	57.7	57.8	57.6	57.9	57.9	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
57.7	61.8	61.1	62.9	63.0	63.0	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
57.7	62.5	62.7	63.8	63.9	63.9	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
57.7	62.5	62.7	63.8	63.9	63.9	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
57.7	63.3	63.6	64.5	64.6	64.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
57.4	64.5	64.9	65.8	65.9	65.9	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
62.7	67.6	68.1	69.2	69.4	69.4	69.6	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
62.8	67.7	68.2	69.4	69.5	69.5	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
63.5	69.7	69.5	70.7	70.9	70.9	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
63.5	69.2	69.7	71.0	71.1	71.1	71.5	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
64.2	71.2	70.7	72.3	72.1	72.1	72.5	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
64.5	71.1	71.5	73.1	73.1	73.1	73.5	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
64.7	71.5	72.7	73.5	73.6	73.6	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
64.7	71.5	73.1	74.6	74.7	74.7	75.1	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
65.4	73.1	73.3	75.1	75.3	75.3	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
65.6	73.3	73.8	75.5	75.7	75.7	76.1	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
65.6	74.1	74.8	76.2	76.5	76.5	77.1	77.2	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
65.8	74.8	75.3	77.0	77.2	77.2	77.8	78.1	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
65.8	75.1	75.5	77.1	77.3	77.3	78.0	78.2	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
66.7	76.6	77.2	79.6	80.0	80.0	80.9	81.3	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
67.5	78.7	79.8	81.8	82.2	82.2	83.3	83.8	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
68.1	79.1	80.2	83.6	83.9	83.9	85.2	85.6	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
68.1	79.2	80.3	83.8	84.3	84.3	85.6	86.2	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
68.1	79.3	80.7	84.8	86.7	86.7	88.1	88.7	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
68.1	79.3	80.8	85.1	87.4	87.4	88.9	89.5	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
68.1	79.7	81.2	85.9	89.7	89.2	90.9	92.3	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
68.1	79.7	81.4	86.2	89.8	89.8	91.5	93.1	93.6	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
68.1	79.7	81.4	86.3	90.0	90.2	91.9	93.6	94.3	95.0	95.8	96.0	96.6	96.9	97.4	97.9	98.3	98.5
68.1	79.7	81.4	86.3	90.0	90.2	91.9	93.6	94.3	95.4	95.8	96.0	96.9	97.3	98.3	99.5	99.5	99.5
68.1	79.7	81.4	86.3	90.0	90.2	91.9	93.6	94.3	95.4	95.8	96.0	96.9	97.3	98.3	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 803

FEDERAL CLIMATOLOGY BRANCH
WAFB/TAC
47th WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WAFB/TAC
47th WEATHER SERVICE/MAC

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

47.5	63.4	63.7	67.9	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
47.8	65.5	66.7	66.4	66.5	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8
47.1	66.1	66.4	66.8	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2
47.1	67.3	67.5	68.0	68.0	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.4
47.1	68.6	69.7	69.5	69.6	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9
47.2	71.2	71.5	72.2	72.3	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.7	72.7	72.7
47.3	72.7	73.1	73.7	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2
47.3	73.0	73.1	74.1	74.2	74.2	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.7
47.3	73.5	73.5	74.7	74.6	74.7	74.7	74.9	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.2
47.4	74.9	75.3	76.0	76.2	76.2	76.3	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.7
47.4	75.1	75.6	76.3	76.5	76.5	76.6	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	77.0
47.4	76.3	76.9	77.7	77.9	77.9	78.0	78.1	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4
47.4	77.1	77.6	78.5	78.7	78.7	78.8	78.9	78.9	79.0	79.1	79.1	79.1	79.2	79.2	79.2
47.4	77.6	78.1	79.1	79.3	79.3	79.6	79.6	79.7	79.8	79.8	79.8	79.9	79.9	79.9	80.0
47.4	79.1	79.7	80.7	80.9	80.9	81.2	81.3	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.7
47.4	80.2	80.8	82.0	82.3	82.3	82.6	82.8	82.9	83.1	83.2	83.2	83.3	83.3	83.3	83.3
47.4	81.8	82.5	84.1	84.6	84.7	85.0	85.2	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.9
47.4	82.6	83.5	85.5	86.0	86.0	86.5	86.7	86.8	87.1	87.2	87.2	87.3	87.3	87.4	87.5
47.4	83.6	84.7	87.0	87.7	87.7	88.3	88.6	88.8	89.1	89.1	89.1	89.3	89.3	89.4	89.4
47.4	84.7	85.1	87.5	88.3	88.4	89.0	89.3	89.5	89.7	89.9	89.9	90.1	90.1	90.2	90.2
47.4	84.4	85.6	88.2	89.2	89.3	90.0	90.5	90.7	91.0	91.1	91.1	91.2	91.2	91.3	91.4
47.4	84.6	85.8	88.6	89.8	89.9	90.7	91.2	91.4	91.7	91.8	91.8	92.0	92.0	92.1	92.2
47.4	84.8	86.1	88.9	90.4	90.6	91.4	92.0	92.2	92.5	92.6	92.6	92.8	92.8	92.9	92.9
47.4	85.1	86.5	89.6	91.4	91.6	92.7	93.4	93.7	94.1	94.3	94.3	94.5	94.5	94.6	94.7
47.4	85.1	86.7	89.8	91.9	92.1	93.3	94.2	94.5	95.0	95.2	95.2	95.5	95.5	95.6	95.7
47.4	85.1	86.7	90.0	92.2	92.5	93.9	95.3	95.3	96.2	96.5	96.5	96.8	96.8	97.0	97.2
47.4	85.2	86.7	90.1	92.4	92.7	94.2	95.5	95.9	96.9	97.3	97.4	98.0	98.1	98.4	98.6
47.4	85.2	86.7	90.1	92.4	92.7	94.2	95.5	96.0	97.0	97.4	97.4	98.1	98.1	98.5	98.3
47.4	85.2	86.7	90.1	92.4	92.7	94.2	95.5	96.0	97.0	97.4	97.4	98.1	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

FEDERAL CLIMATOLOGY BRANCH
WINDTAC
WEATHER SERVICE/AMC

CEILING VERSUS VISIBILITY

WAS 35 WAFCE AFB TX

73-81

500

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

60-1000

30.7	34.1	55.8	56.9	57.6	57.7	57.7	58.4	58.4	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0
39.8	59.1	61.7	62.0	62.8	62.9	62.9	63.6	63.6	63.9	64.1	64.1	64.1	64.4	64.4	64.4	64.4	64.4
37.8	59.2	61.9	62.1	62.9	63.0	63.0	63.7	63.7	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4
37.7	59.3	61.8	62.2	63.0	63.2	63.2	63.9	63.9	64.1	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7
37.7	59.3	61.7	62.2	63.0	63.2	63.2	63.9	63.9	64.1	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7
41.1	59.8	61.7	63.0	63.9	64.0	64.0	64.7	64.7	65.0	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5
47.4	60.9	62.8	64.3	65.5	65.7	65.7	66.3	66.3	66.6	66.9	66.9	66.9	67.2	67.2	67.2	67.2	67.2
40.4	60.9	62.8	64.3	65.5	65.7	65.7	66.3	66.3	66.6	66.9	66.9	66.9	67.2	67.2	67.2	67.2	67.2
41.7	60.1	64.0	65.7	66.9	67.0	67.0	67.7	67.7	68.0	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5
41.7	62.8	64.7	66.3	67.6	67.7	67.7	68.4	68.4	68.7	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2
41.7	63.9	65.7	66.6	67.9	68.0	68.0	68.7	68.7	69.0	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5
42.7	64.3	66.3	68.0	69.2	69.4	69.4	70.1	70.1	70.3	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9
47.7	64.4	66.5	68.1	69.4	69.5	69.5	70.2	70.2	70.5	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0
43.0	65.0	67.3	69.0	70.2	70.3	70.3	71.0	71.0	71.3	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8
43.4	65.5	68.1	69.8	71.0	71.2	71.2	71.8	71.9	72.1	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7
43.4	66.5	68.8	70.6	72.1	72.3	72.3	73.1	73.1	73.5	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1
43.4	67.4	69.8	71.6	73.2	73.4	73.4	74.2	74.3	74.6	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1
43.4	68.3	70.6	72.5	74.2	74.3	74.3	75.3	75.3	75.7	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2
43.4	69.4	71.7	72.7	74.3	74.5	74.5	75.4	75.4	75.8	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4
43.5	70.2	72.5	74.6	76.4	76.5	76.5	77.5	77.5	77.9	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4
43.7	71.2	73.8	76.4	78.3	78.4	78.4	79.4	79.4	79.8	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4
44.0	73.5	76.2	79.3	81.2	81.3	81.6	83.0	83.1	83.7	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3
44.0	73.8	76.5	79.5	81.7	81.9	82.1	83.5	83.7	84.2	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9
44.0	74.5	77.3	80.5	83.0	83.1	83.8	85.3	85.4	86.0	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7
44.0	74.7	77.7	81.0	83.9	84.2	84.9	86.4	86.5	87.1	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8
44.0	74.9	77.9	81.6	84.9	85.2	85.9	87.4	87.5	88.0	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7
44.0	75.0	78.0	82.0	85.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
44.0	75.3	78.3	82.4	87.1	87.5	88.5	90.8	91.1	92.0	92.6	92.6	93.7	93.3	93.4	93.4	93.7	93.7
44.0	75.3	78.3	82.4	87.2	87.6	88.6	91.3	91.6	92.6	93.3	93.3	93.8	94.1	94.2	94.2	94.6	94.6
44.0	75.3	78.3	82.4	87.2	87.6	88.7	91.5	92.0	93.5	94.5	94.5	95.1	95.9	96.2	96.6	96.6	96.6
44.0	75.3	78.3	82.4	87.2	87.6	88.7	91.5	92.0	93.5	94.5	94.5	95.2	96.2	97.1	98.6	98.6	98.6
44.0	75.3	78.3	82.4	87.2	87.6	88.7	91.5	92.0	93.5	94.5	94.5	95.2	96.4	97.4	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 728

WAS 35 WAFCE AFB TX

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

CEILING VERSUS VISIBILITY

STATION: A. C. 457

73-51

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

67.0	57.3	59.4	61.0	60.4	60.6	60.7	60.9	61.0	61.1	61.2	61.2	61.3	61.3	61.7	61.1
67.4	64.1	65.2	65.9	66.3	66.5	66.6	66.8	66.8	67.1	67.1	67.1	67.2	67.2	67.2	67.3
67.5	64.2	65.3	66.0	66.5	66.7	66.8	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.5
67.5	64.3	65.5	66.2	66.6	66.8	66.9	67.2	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.7
67.7	64.9	66.0	66.7	67.2	67.4	67.5	67.7	67.8	67.9	68.0	68.0	68.1	68.1	68.1	68.2
67.7	65.6	66.8	67.5	68.0	68.2	68.3	68.5	68.6	68.8	68.8	68.9	68.9	68.9	68.9	69.1
67.8	65.7	66.9	67.6	68.1	68.3	68.4	68.6	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.2
67.8	65.8	67.0	67.7	68.2	68.4	68.5	68.7	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.3
67.9	66.1	67.3	68.0	68.5	68.7	68.8	69.0	69.1	69.2	69.3	69.4	69.4	69.4	69.4	69.6
67.9	66.2	67.4	68.1	68.6	68.8	68.9	69.1	69.2	69.3	69.4	69.5	69.5	69.5	69.5	69.7
68.0	66.3	67.5	68.2	68.7	68.9	69.0	69.2	69.3	69.4	69.5	69.6	69.6	69.6	69.6	69.8
68.0	66.4	67.6	68.3	68.8	69.0	69.1	69.3	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.9
68.1	66.5	67.7	68.4	68.9	69.1	69.2	69.4	69.5	69.6	69.7	69.8	69.8	69.8	69.8	70.0
68.1	66.6	67.8	68.5	69.0	69.2	69.3	69.5	69.6	69.7	69.8	69.9	69.9	69.9	69.9	70.1
68.2	66.7	67.9	68.6	69.1	69.3	69.4	69.6	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.2
68.2	66.8	68.0	68.7	69.2	69.4	69.5	69.7	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.3
68.3	66.9	68.1	68.8	69.3	69.5	69.6	69.8	69.9	70.0	70.1	70.2	70.2	70.2	70.2	70.4
68.3	67.0	68.2	68.9	69.4	69.6	69.7	69.9	70.0	70.1	70.2	70.3	70.3	70.3	70.3	70.5
68.4	67.1	68.3	69.0	69.5	69.7	69.8	70.0	70.1	70.2	70.3	70.4	70.4	70.4	70.4	70.6
68.4	67.2	68.4	69.1	69.6	69.8	69.9	70.1	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.7
68.5	67.3	68.5	69.2	69.7	69.9	70.0	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.8
68.5	67.4	68.6	69.3	69.8	70.0	70.1	70.3	70.4	70.5	70.6	70.7	70.7	70.7	70.7	70.9
68.6	67.5	68.7	69.4	69.9	70.1	70.2	70.4	70.5	70.6	70.7	70.8	70.8	70.8	70.8	71.0
68.6	67.6	68.8	69.5	70.0	70.2	70.3	70.5	70.6	70.7	70.8	70.9	70.9	70.9	70.9	71.1
68.7	67.7	68.9	69.6	70.1	70.3	70.4	70.6	70.7	70.8	70.9	71.0	71.0	71.0	71.0	71.2
68.7	67.8	69.0	69.7	70.2	70.4	70.5	70.7	70.8	70.9	71.0	71.1	71.1	71.1	71.1	71.3
68.8	67.9	69.1	69.8	70.3	70.5	70.6	70.8	70.9	71.0	71.1	71.2	71.2	71.2	71.2	71.4
68.8	68.0	69.2	69.9	70.4	70.6	70.7	70.9	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.5
68.9	68.1	69.3	70.0	70.5	70.7	70.8	71.0	71.1	71.2	71.3	71.4	71.4	71.4	71.4	71.6
68.9	68.2	69.4	70.1	70.6	70.8	70.9	71.1	71.2	71.3	71.4	71.5	71.5	71.5	71.5	71.7
69.0	68.3	69.5	70.2	70.7	70.9	71.0	71.2	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.8
69.0	68.4	69.6	70.3	70.8	71.0	71.1	71.3	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.9
69.1	68.5	69.7	70.4	70.9	71.1	71.2	71.4	71.5	71.6	71.7	71.8	71.8	71.8	71.8	72.0
69.1	68.6	69.8	70.5	71.0	71.2	71.3	71.5	71.6	71.7	71.8	71.9	71.9	71.9	71.9	72.1
69.2	68.7	69.9	70.6	71.1	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.2
69.2	68.8	70.0	70.7	71.2	71.4	71.5	71.7	71.8	71.9	72.0	72.1	72.1	72.1	72.1	72.3
69.3	68.9	70.1	70.8	71.3	71.5	71.6	71.8	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.4
69.3	69.0	70.2	70.9	71.4	71.6	71.7	71.9	72.0	72.1	72.2	72.3	72.3	72.3	72.3	72.5
69.4	69.1	70.3	71.0	71.5	71.7	71.8	72.0	72.1	72.2	72.3	72.4	72.4	72.4	72.4	72.6
69.4	69.2	70.4	71.1	71.6	71.8	71.9	72.1	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.7
69.5	69.3	70.5	71.2	71.7	71.9	72.0	72.2	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.8
69.5	69.4	70.6	71.3	71.8	72.0	72.1	72.3	72.4	72.5	72.6	72.7	72.7	72.7	72.7	72.9
69.6	69.5	70.7	71.4	71.9	72.1	72.2	72.4	72.5	72.6	72.7	72.8	72.8	72.8	72.8	73.0
69.6	69.6	70.8	71.5	72.0	72.2	72.3	72.5	72.6	72.7	72.8	72.9	72.9	72.9	72.9	73.1
69.7	69.7	70.9	71.6	72.1	72.3	72.4	72.6	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.2
69.7	69.8	71.0	71.7	72.2	72.4	72.5	72.7	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.3
69.8	69.9	71.1	71.8	72.3	72.5	72.6	72.8	72.9	73.0	73.1	73.2	73.2	73.2	73.2	73.4
69.8	70.0	71.2	71.9	72.4	72.6	72.7	72.9	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.5
69.9	70.1	71.3	72.0	72.5	72.7	72.8	73.0	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.6
69.9	70.2	71.4	72.1	72.6	72.8	72.9	73.1	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.7
70.0	70.3	71.5	72.2	72.7	72.9	73.0	73.2	73.3	73.4	73.5	73.6	73.6	73.6	73.6	73.8
70.0	70.4	71.6	72.3	72.8	73.0	73.1	73.3	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.9
70.1	70.5	71.7	72.4	72.9	73.1	73.2	73.4	73.5	73.6	73.7	73.8	73.8	73.8	73.8	74.0
70.1	70.6	71.8	72.5	73.0	73.2	73.3	73.5	73.6	73.7	73.8	73.9	73.9	73.9	73.9	74.1
70.2	70.7	71.9	72.6	73.1	73.3	73.4	73.6	73.7	73.8	73.9	74.0	74.0	74.0	74.0	74.2
70.2	70.8	72.0	72.7	73.2	73.4	73.5	73.7	73.8	73.9	74.0	74.1	74.1	74.1	74.1	74.3
70.3	70.9	72.1	72.8	73.3	73.5	73.6	73.8	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.4
70.3	71.0	72.2	72.9	73.4	73.6	73.7	73.9	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.5
70.4	71.1	72.3	73.0	73.5	73.7	73.8	74.0	74.1	74.2	74.3	74.4	74.4	74.4	74.4	74.6
70.4	71.2	72.4	73.1	73.6	73.8	73.9	74.1	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.7
70.5	71.3	72.5	73.2	73.7	73.9	74.0	74.2	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.8
70.5	71.4	72.6	73.3	73.8	74.0	74.1	74.3	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.9
70.6	71.5	72.7	73.4	73.9	74.1	74.2	74.4	74.5	74.6	74.7	74.8	74.8	74.8	74.8	75.0
70.6	71.6	72.8	73.5	74.0	74.2	74.3	74.5	74.6	74.7	74.8	74.9	74.9	74.9	74.9	75.1
70.7	71.7	72.9	73.6	74.1	74.3	74.4	74.6	74.7	74.8	74.9	75.0	75.0	75.0	75.0	75.2
70.7	71.8	73.0	73.7	74.2	74.4	74.5	74.7	74.8	74.9	75.0	75.1	75.1	75.1	75.1	75.3
70.8	71.9	73.1	73.8	74.3	74.5	74.6	74.8	74.9	75.0	75.1	75.2	75.2	75.2	75.2	75.4
70.8	72.0	73.2	73.9	74.4	74.6	74.7	74.9	75.0	75.1	75.2	75.3	75.3	75.3	75.3	75.5
70.9	72.1	73.3	74.0	74.5	74.7	74.8	75.0	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.6
70.9	72.2	73.4	74.1	74.6	74.8	74.9	75.1	75.2	75.3	75.4	75.5	75.5	75.5	75.5	75.7
71.0	72.3	73.5	74.2	74.7	74.9	75.0	75.2	75.3	75.4	75.5	75.6	75.6	75.6	75.6	75.8
71.0	72.4	73.6	74.3	74.8	75.0	75.1	75.3	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.9
71.1	72.5	73.7	74.4	74.9	75.1	75.2	75.4	75.5	75.6	75.7	75.8	75.8	75.8	75.8	76.0
71.1	72.6	73.8	74.5	75.0	75.2	75.3	75.5	75.6	75.7	75.8	75.9	75.9	75.9	75.9	76.1
71.2	72.7	73.9	74.6	75.1	75.3	75.4	75.6	75.7	75.8	75.9	76.0	76.0	76.0	76.0	76.2
71.2	72.8	74.0	74.7	75.2	75.4	75.5	75.7	75.8	75.9	76.0	76.1	76.1	76.1	76.1	76.3
71.3	72.9	74.1	74.8	75.3	75.5	75.6	75.8	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.4
71.3	73.0	74.2	74.9	75.4	75.6	75.7	75.9	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.5
71.4	73.1	74.3	75.0	75.5	75.7	75.8	76.0	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.6
71.4	73.2	74.4	75.1	75.6	75.8	75.9	76.1	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.7
71.5	73.3	74.5	75.2	75.7	75.9	76.0	76.2</								

FEDERAL CLIMATOLOGY BRANCH
WASH DC
AERONAUTICAL SERVICE/MAIL

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING	1000	900	800	700	600	500	400	300	200	100	0	MA
1000	64.7	64.3	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2
900	69.1	69.8	69.8	69.8	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
800	69.3	69.9	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2
700	69.3	69.9	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2
600	69.3	69.6	70.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5
500	71.7	72.7	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
400	73.1	73.4	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
300	73.7	74.0	74.6	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9
200	74.2	74.5	75.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
100	75.2	75.7	76.4	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9
0	75.7	75.7	77.4	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1000	78.9	77.8	78.4	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
900	77.4	78.3	78.9	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2
800	77.7	78.7	79.3	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1
700	78.7	79.9	80.5	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
600	80.1	81.5	82.1	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
500	81.5	82.1	82.7	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
400	82.2	83.0	84.8	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
300	84.5	85.7	87.1	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
200	85.3	87.1	88.7	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3
100	85.6	87.4	88.3	89.1	89.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0	86.5	88.4	89.5	91.5	91.5	92.2	92.7	92.7	92.7	92.7	92.7	92.7
1000	86.3	88.4	89.8	91.9	91.9	92.7	93.2	93.7	93.6	93.6	93.6	93.6
900	87.5	89.9	91.7	93.2	93.2	93.9	94.4	94.5	94.8	94.8	94.8	94.8
800	87.9	90.7	91.5	94.1	94.1	94.8	95.3	95.4	95.7	95.7	95.7	95.7
700	88.0	91.1	91.8	94.4	94.5	95.6	96.2	96.4	96.8	96.8	96.8	96.8
600	88.1	90.3	91.9	94.5	94.7	95.7	96.4	96.5	97.1	97.6	97.6	97.6
500	88.3	90.4	92.1	94.7	94.8	95.9	96.5	96.7	97.6	98.0	98.2	98.2
400	88.3	90.4	92.1	94.7	94.8	95.9	96.5	96.7	97.6	98.0	98.2	98.2
300	88.3	90.4	92.1	94.7	94.8	95.9	96.5	96.7	97.6	98.0	98.2	98.2
200	88.3	90.4	92.1	94.7	94.8	95.9	96.5	96.7	97.6	98.0	98.2	98.2
100	88.3	90.4	92.1	94.7	94.8	95.9	96.5	96.7	97.6	98.0	98.2	98.2
0	88.3	90.4	92.1	94.7	94.8	95.9	96.5	96.7	97.6	98.0	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 852



FORM 12-54 (REV. 1-55)

FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION

CEILING VERSUS VISIBILITY

STATION: WASHINGTON FIELD OFFICE

PERIOD: 12/15/54 TO 12/16/54

MA
12/15/54

37.1	47.5	49.5	51.3	52.7	52.9	53.2	53.7	54.1	54.3	54.2	54.2	54.2	54.2	54.2	54.2
38.0	48.2	50.2	52.0	53.4	53.6	53.9	54.4	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0
39.0	49.0	51.0	52.8	54.2	54.4	54.7	55.2	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8
40.0	49.8	51.8	53.6	55.0	55.2	55.5	56.0	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6
41.0	50.6	52.6	54.4	55.8	56.0	56.3	56.8	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4
42.0	51.4	53.4	55.2	56.6	56.8	57.1	57.6	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2
43.0	52.2	54.2	56.0	57.4	57.6	57.9	58.4	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0
44.0	53.0	55.0	56.8	58.2	58.4	58.7	59.2	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8
45.0	53.8	55.8	57.6	59.0	59.2	59.5	60.0	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
46.0	54.6	56.6	58.4	60.4	60.6	60.9	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0
47.0	55.4	57.4	59.2	61.6	61.8	62.1	62.6	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2
48.0	56.2	58.2	60.0	62.8	63.0	63.3	63.8	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
49.0	57.0	59.0	60.8	63.6	63.8	64.1	64.6	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2
50.0	57.8	59.8	61.6	64.4	64.6	64.9	65.4	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0
51.0	58.6	60.6	62.4	65.2	65.4	65.7	66.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8
52.0	59.4	61.4	63.2	66.0	66.2	66.5	67.0	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
53.0	60.2	62.2	64.0	66.8	67.0	67.3	67.8	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
54.0	61.0	63.0	64.8	67.6	67.8	68.1	68.6	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2
55.0	61.8	63.8	65.6	68.4	68.6	68.9	69.4	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0
56.0	62.6	64.6	66.4	69.2	69.4	69.7	70.2	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
57.0	63.4	65.4	67.2	70.0	70.2	70.5	71.0	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
58.0	64.2	66.2	68.0	70.8	71.0	71.3	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4
59.0	65.0	67.0	68.8	71.6	71.8	72.1	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
60.0	65.8	67.8	69.6	72.4	72.6	72.9	73.4	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
61.0	66.6	68.6	70.4	73.2	73.4	73.7	74.2	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
62.0	67.4	69.4	71.2	74.0	74.2	74.5	75.0	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
63.0	68.2	70.2	72.0	74.8	75.0	75.3	75.8	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
64.0	69.0	71.0	72.8	75.6	75.8	76.1	76.6	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2
65.0	69.8	71.8	73.6	76.4	76.6	76.9	77.4	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
66.0	70.6	72.6	74.4	77.2	77.4	77.7	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
67.0	71.4	73.4	75.2	78.0	78.2	78.5	79.0	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
68.0	72.2	74.2	76.0	78.8	79.0	79.3	79.8	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4
69.0	73.0	75.0	76.8	79.6	79.8	80.1	80.6	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
70.0	73.8	75.8	77.6	80.4	80.6	80.9	81.4	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
71.0	74.6	76.6	78.4	81.2	81.4	81.7	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
72.0	75.4	77.4	79.2	82.0	82.2	82.5	83.0	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
73.0	76.2	78.2	80.0	82.8	83.0	83.3	83.8	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
74.0	77.0	79.0	80.8	83.6	83.8	84.1	84.6	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
75.0	77.8	79.8	81.6	84.4	84.6	84.9	85.4	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
76.0	78.6	80.6	82.4	85.2	85.4	85.7	86.2	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
77.0	79.4	81.4	83.2	86.0	86.2	86.5	87.0	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
78.0	80.2	82.2	84.0	86.8	87.0	87.3	87.8	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4
79.0	81.0	83.0	84.8	87.6	87.8	88.1	88.6	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
80.0	81.8	83.8	85.6	88.4	88.6	88.9	89.4	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
81.0	82.6	84.6	86.4	89.2	89.4	89.7	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
82.0	83.4	85.4	87.2	90.0	90.2	90.5	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
83.0	84.2	86.2	88.0	90.8	91.0	91.3	91.8	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
84.0	85.0	87.0	88.8	91.6	91.8	92.1	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
85.0	85.8	87.8	89.6	92.4	92.6	92.9	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
86.0	86.6	88.6	90.4	93.2	93.4	93.7	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
87.0	87.4	89.4	91.2	94.0	94.2	94.5	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
88.0	88.2	90.2	92.0	94.8	95.0	95.3	95.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
89.0	89.0	91.0	92.8	95.6	95.8	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
90.0	89.8	91.8	93.6	96.4	96.6	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
91.0	90.6	92.6	94.4	97.2	97.4	97.7	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
92.0	91.4	93.4	95.2	98.0	98.2	98.5	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
93.0	92.2	94.2	96.0	98.8	99.0	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	93.0	95.0	96.8	99.6	99.8	100.1	100.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.0	93.8	95.8	97.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 571

WINDS AND CLIMATOLOGY BRANCH
WPTAC
AIR WEATHER SERVICE/WAC

CEILING VERSUS VISIBILITY

WINDS AND CLIMATOLOGY BRANCH

75-51

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1970-1972

0	47.3	50.6	51.2	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0
1	42.1	58.2	58.7	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.7	57.7
2	57.1	56.6	57.1	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	58.0	58.0
3	3.1	56.6	57.1	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	58.0	58.0
4	53.7	57.8	58.3	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.2	59.2
5	5.7	58.2	58.7	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.6
6	56.7	60.7	62.4	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.4	63.4
7	56.7	62.1	62.7	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.8	63.8	63.9	63.9
8	57.7	64.5	65.1	65.8	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.4	66.4
9	59.2	65.0	65.6	66.4	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.9	66.9	67.0	67.0
10	57.8	65.9	66.5	67.5	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	68.1	68.1
11	5.9	67.2	67.8	68.8	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.3	69.3	69.4	69.4
12	11.7	67.8	68.5	69.5	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.1	70.1
13	1.4	68.3	69.1	70.1	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.7	70.7
14	1.7	68.7	69.5	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	71.1	71.1
15	2.1	69.3	7.1	71.1	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.7	71.7
16	62.7	70.3	71.4	72.3	72.6	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.2	73.2
17	63.0	72.0	73.3	74.8	75.1	75.5	75.7	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.2	76.2
18	74.0	71.2	73.8	75.5	75.8	76.2	76.4	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.9	76.9
19	65.3	74.9	77.3	78.4	79.9	80.3	80.5	80.7	80.7	80.9	80.9	80.9	81.0	81.0	81.1	81.1
20	76.7	76.8	79.7	82.9	83.5	83.9	84.1	84.3	84.3	84.4	84.4	84.4	84.6	84.6	84.7	84.7
21	66.5	78.3	81.5	85.3	86.6	87.0	87.4	87.7	87.7	87.8	87.8	87.8	87.9	87.9	88.0	88.0
22	66.7	78.8	81.1	86.0	87.3	87.7	88.3	88.5	88.5	88.6	88.6	88.6	88.8	88.8	88.9	88.9
23	66.9	78.9	82.4	87.0	88.4	89.0	89.7	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3
24	65.7	79.1	82.7	87.4	89.2	90.0	91.0	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.1	92.1
25	67.7	79.2	82.9	87.8	89.6	90.3	91.6	92.3	92.3	92.6	92.6	92.6	92.7	92.7	92.8	92.8
26	67.3	79.5	83.3	88.3	90.4	91.1	92.8	93.4	93.5	93.8	93.8	93.8	93.9	93.9	94.0	94.0
27	67.9	80.3	84.2	89.7	92.1	93.1	94.6	95.7	95.7	96.1	96.1	96.2	96.3	96.3	96.4	96.4
28	67.5	80.3	84.2	89.8	92.5	93.4	95.2	96.5	96.6	97.2	97.2	97.4	97.5	97.5	97.6	97.6
29	67.5	80.3	84.2	89.8	92.6	93.5	95.3	96.9	97.1	97.8	97.8	98.0	98.3	98.3	98.7	98.7
30	67.5	80.3	85.2	89.8	92.6	93.5	95.3	96.9	97.1	97.8	97.8	98.0	98.6	98.6	99.2	99.6
31	67.5	80.3	84.2	89.8	92.6	93.5	95.3	96.9	97.1	97.8	97.8	98.0	98.6	98.6	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS

236

FEDERAL BUREAU OF SURVEY
METEOROLOGICAL BRANCH
METEOROLOGICAL SERVICE, WAC

CEILING VERSUS VISIBILITY

STATION: ANCE AFB TX
PERIOD: 1951-1952

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

DATE: 10-25-52

51.7	54.9	55.1	57.2	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	55.2	55.2
51.9	52.7	63.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
57.7	63.1	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
57.4	63.2	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	63.8	63.8	63.8
57.1	64.3	64.5	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	65.1	65.1	65.1
57.5	65.7	65.2	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	65.8	65.8
57.7	67.1	67.4	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	68.7
57.7	67.7	68.7	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	68.8	68.8
59.3	69.4	69.7	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	70.5	70.5	70.5
59.5	70.3	70.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
59.1	70.7	71.7	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
59.6	71.3	71.6	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
59.7	71.8	72.8	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
60.1	72.5	73.7	74.9	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
60.4	74.7	74.2	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
60.7	74.7	74.9	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
60.9	76.5	76.8	78.3	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
61.3	79.2	79.7	81.1	81.6	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
61.7	79.9	80.5	82.0	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
62.3	82.4	83.2	84.9	85.4	85.8	85.9	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
62.4	84.1	85.1	86.4	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
63.2	85.7	87.9	91.8	91.4	91.8	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
63.4	86.7	88.4	91.6	92.2	92.6	93.1	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
63.6	86.7	89.1	92.6	93.2	93.5	93.9	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
63.7	86.9	89.8	93.5	94.5	94.9	95.5	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
63.7	87.1	89.7	93.8	94.7	95.1	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
63.8	87.3	90.2	94.5	95.5	95.9	96.9	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
63.8	87.3	90.2	94.6	95.8	96.2	97.4	98.1	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
63.8	87.3	90.2	94.6	95.9	96.4	97.5	98.4	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
63.8	87.3	90.2	94.6	95.9	96.5	97.8	98.7	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
63.8	87.3	90.2	94.6	95.9	96.5	97.8	98.7	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
63.8	87.3	90.2	94.6	95.9	96.5	97.8	98.7	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 837

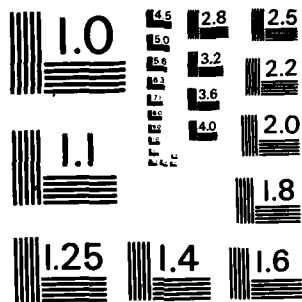
AD-A128 111

VANCE AFB OKLAHOMA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 02 DEC 82
UNCLASSIFIED USAFETAC/DS-82/081 SBI-AD-E850 381 F/G 4/2

3/6

NL

The table consists of 10 columns and 15 rows. The top row is mostly blacked out, with only the first two cells containing text. The remaining 14 rows are almost entirely blacked out, with only a few faint white lines visible in the grid structure.



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

CEILING VERSUS VISIBILITY

723535 VANCE AFB OK

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900

VISIBILITY IN STATUTE MILES

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
10000	46.3	57.0	57.8	58.4	59.0	59.0	59.2	59.5	59.8	60.1	60.1	60.1	60.4	60.4	60.4	60.4	60.4
20000	49.9	61.6	62.6	63.5	64.2	64.2	64.3	64.7	65.0	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6
30000	50.1	61.7	62.7	63.6	64.3	64.3	64.5	64.9	65.1	65.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7
40000	50.1	61.7	62.7	63.6	64.3	64.3	64.5	64.9	65.1	65.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7
50000	50.3	62.2	63.2	64.1	64.9	64.9	65.7	65.4	65.6	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2
60000	51.2	63.7	64.9	65.9	66.6	66.6	66.8	67.1	67.4	67.6	67.6	67.6	68.0	68.0	68.0	68.0	68.0
70000	53.1	67.4	68.6	69.8	70.8	70.8	70.9	71.3	71.6	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2
80000	53.1	67.4	68.6	69.8	70.8	70.8	70.9	71.3	71.6	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2
90000	54.1	69.2	70.4	71.9	73.1	73.1	73.5	73.8	74.1	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7
100000	54.6	70.0	71.4	73.1	74.2	74.2	74.6	75.0	75.2	75.5	75.5	75.5	75.9	75.9	75.9	75.9	76.1
110000	54.7	70.4	71.8	73.5	74.6	74.6	75.0	75.3	75.7	76.0	76.0	76.0	76.4	76.4	76.4	76.6	76.6
120000	56.3	71.8	73.2	75.0	76.2	76.2	76.6	77.0	77.4	77.6	77.6	77.6	78.0	78.0	78.0	78.3	78.3
130000	56.1	72.1	73.5	75.6	77.0	77.0	77.4	77.7	78.1	78.4	78.4	78.4	78.8	78.8	78.8	79.0	79.0
140000	56.9	73.2	74.6	77.0	78.4	78.4	78.8	79.1	79.5	79.8	79.8	79.8	80.2	80.2	80.2	80.4	80.4
150000	57.3	74.7	75.3	78.0	79.4	79.4	79.8	80.2	80.5	80.8	80.8	80.8	81.2	81.2	81.2	81.4	81.4
160000	57.8	74.7	76.4	79.4	80.9	80.9	81.3	81.7	82.0	82.3	82.3	82.3	82.7	82.7	82.7	82.9	82.9
170000	57.2	76.1	77.9	81.2	82.7	82.7	83.1	83.4	83.8	84.1	84.1	84.1	84.5	84.5	84.5	84.7	84.7
180000	59.8	78.0	79.8	83.6	85.2	85.3	85.7	86.1	86.5	86.7	86.7	86.7	87.1	87.1	87.1	87.4	87.4
190000	60.1	78.8	80.7	84.7	86.3	86.5	86.9	87.2	87.6	87.9	87.9	87.9	88.2	88.2	88.2	88.5	88.5
200000	60.4	80.3	82.4	86.7	88.5	88.6	89.0	89.4	89.8	90.0	90.0	90.0	90.6	90.6	90.6	90.9	90.9
210000	61.1	81.4	83.6	87.9	89.6	89.9	90.3	90.6	91.0	91.3	91.3	91.3	91.9	91.9	91.9	92.2	92.2
220000	61.2	81.7	84.1	88.6	90.8	91.0	91.5	91.9	92.4	92.8	92.8	92.8	93.4	93.4	93.4	93.7	93.7
230000	61.2	81.8	84.2	88.9	91.0	91.3	91.8	92.3	92.8	93.2	93.2	93.2	93.8	93.8	93.8	94.1	94.1
240000	61.3	81.9	84.5	89.5	92.0	92.3	92.8	93.3	93.8	94.2	94.2	94.2	94.8	94.8	94.8	95.1	95.1
250000	61.3	82.3	85.1	90.3	92.8	93.0	93.6	94.1	94.6	94.9	94.9	94.9	95.6	95.6	95.6	95.8	95.8
260000	61.3	82.3	85.2	90.4	93.0	93.3	93.8	94.3	94.8	95.2	95.2	95.2	95.8	95.8	95.8	96.1	96.1
270000	61.4	82.6	85.5	90.8	93.8	94.1	94.6	95.1	95.6	96.0	96.0	96.0	96.6	96.6	96.6	96.8	96.8
280000	61.6	82.7	85.6	90.9	94.1	94.3	94.8	95.0	96.5	97.0	97.0	97.0	97.6	97.6	97.6	97.9	97.9
290000	61.6	82.7	85.6	91.0	94.2	94.4	94.9	95.1	96.6	97.2	97.3	97.3	98.0	98.0	98.0	98.2	98.2
300000	61.6	82.8	85.7	91.2	94.3	94.6	95.1	96.3	97.7	97.7	97.9	97.9	98.7	98.7	98.7	99.1	99.1
310000	61.6	82.8	85.7	91.2	94.3	94.6	95.1	96.3	97.0	97.7	98.0	98.0	99.0	99.0	99.0	99.5	99.5
320000	61.6	82.8	85.7	91.2	94.3	94.6	95.1	96.3	97.0	97.7	98.0	98.0	99.0	99.0	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723535 VANCE AFB OK

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	55.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 2000	59.8	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1800	60.1	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1600	60.3	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 1400	61.8	65.3	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
≥ 1200	61.9	66.8	67.1	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
≥ 1000	64.4	70.0	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
≥ 900	64.6	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 800	65.5	72.4	72.6	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 700	65.7	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 600	66.2	73.8	74.1	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 500	66.3	74.0	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 450	66.5	74.5	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 400	67.3	75.5	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 350	67.9	76.4	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 300	68.7	77.5	78.0	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 250	69.9	79.2	79.8	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 200	71.8	82.2	82.9	83.5	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 180	72.3	82.9	83.8	84.5	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 150	73.4	84.9	85.9	87.0	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 120	74.4	86.4	87.4	89.1	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 100	74.5	86.9	88.4	90.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 90	74.9	87.7	89.5	92.0	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 80	75.5	88.4	90.1	92.9	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 70	75.7	89.2	91.1	94.2	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 60	75.7	89.4	91.2	94.3	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 50	75.7	89.5	91.3	94.8	97.0	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 40	75.9	90.1	92.0	95.5	97.8	97.8	98.6	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 30	75.9	90.1	92.0	95.5	97.8	97.8	98.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20	75.9	90.1	92.0	95.5	97.8	97.8	98.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 10	75.9	90.1	92.0	95.5	97.8	97.8	98.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	75.9	90.1	92.0	95.5	97.8	97.8	98.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

838

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

723535 VANCE AFB OK

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2 20000	54.4	56.5	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2 18000	60.1	63.6	63.7	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2 16000	60.2	63.7	63.8	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2 14000	60.6	64.1	64.2	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
2 12000	61.5	64.9	65.1	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
2 10000	63.1	66.7	66.8	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2 9000	64.8	69.6	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2 8000	65.3	70.1	70.2	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2 7000	67.4	72.7	72.8	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2 6000	67.5	73.0	73.1	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
2 5000	67.8	74.0	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2 4500	68.3	74.8	75.1	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2 4000	68.6	75.2	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2 3500	70.4	78.0	78.5	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
2 3000	71.6	79.3	79.9	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2 2500	73.3	81.2	82.0	82.6	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2 2000	75.1	83.8	84.7	85.4	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2 1800	76.4	85.8	86.8	87.5	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2 1600	76.5	86.3	87.4	88.1	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2 1500	77.4	88.0	89.9	90.9	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2 1400	78.1	88.8	91.9	92.1	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
2 1300	78.4	90.4	93.0	94.4	95.1	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2 1200	78.6	90.7	93.3	94.8	95.4	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 1100	78.8	90.9	93.6	95.3	96.3	96.4	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
2 1000	78.8	91.5	94.2	95.9	97.3	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2 900	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 800	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 700	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 600	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 500	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 400	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 300	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 200	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 100	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 00	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 0	78.8	91.6	94.3	96.0	97.4	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

723535 VANCE AFB OK

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2 2000	54.9	57.0	57.1	57.5	57.6	57.7	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
2 1800	52.7	65.6	65.8	66.1	66.3	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2 1600	52.7	65.6	65.8	66.1	66.3	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2 1400	53.4	66.4	66.5	66.9	67.0	67.1	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2 1200	54.5	67.5	67.6	68.0	68.1	68.2	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2 1000	65.8	70.0	70.1	70.5	70.6	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2 900	65.9	70.2	70.3	70.7	70.8	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
2 800	67.4	71.8	71.9	72.3	72.4	72.6	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2 700	67.6	72.2	72.4	72.9	73.1	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
2 600	68.2	73.7	73.9	74.4	74.5	74.7	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2 500	69.8	75.4	75.8	76.3	76.4	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
2 450	70.5	76.8	77.3	77.9	78.0	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
2 400	72.1	79.4	80.0	80.7	80.8	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
2 350	73.3	81.1	81.6	82.4	82.6	82.7	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2 300	75.2	83.2	83.8	84.7	84.8	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2 2500	76.6	85.5	86.4	87.4	87.6	87.9	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2 2000	77.5	87.0	88.1	89.4	89.6	89.9	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2 1800	77.8	87.5	88.9	90.2	90.7	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2 1500	78.1	88.9	90.6	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
2 1200	78.1	89.6	91.5	93.4	94.1	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2 1000	78.7	90.6	92.7	94.9	95.9	96.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2 900	78.7	91.7	92.8	95.1	96.0	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2 800	78.7	91.1	93.2	95.7	96.9	97.3	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 700	78.7	91.2	93.3	95.9	97.2	97.5	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 600	78.7	91.2	93.4	96.0	97.3	97.7	98.5	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2 500	78.7	91.2	93.4	96.0	97.3	97.7	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2 400	78.7	91.2	93.4	96.0	97.3	97.7	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2 300	78.7	91.2	93.4	96.0	97.3	97.7	98.8	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
2 200	78.7	91.2	93.4	96.0	97.3	97.7	98.8	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
2 100	78.7	91.2	93.4	96.0	97.3	97.7	98.8	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
2 00	78.7	91.2	93.4	96.0	97.3	97.7	98.8	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

727535 WANCE AFB OK

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	54.3	62.6	62.8	63.2	63.5	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	50.5	71.1	71.4	71.8	72.0	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
M.V. 18000	60.8	71.5	72.0	72.4	72.7	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
M.V. 16000	60.8	71.6	72.2	72.5	72.8	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
M.V. 14000	61.3	72.5	73.1	73.4	73.7	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
M.V. 12000	62.3	73.7	74.2	74.6	74.9	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
M.V. 10000	63.9	76.9	77.5	77.8	78.1	78.2	78.2	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
M.V. 9000	63.9	77.1	77.6	78.0	78.2	78.4	78.4	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
M.V. 8000	65.4	79.8	80.4	80.8	81.1	81.2	81.2	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
M.V. 7000	65.5	79.9	80.7	81.1	81.3	81.5	81.5	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
M.V. 6000	65.8	80.7	81.5	81.9	82.1	82.3	82.3	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
M.V. 5000	66.3	81.7	82.8	83.2	83.4	83.5	83.5	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
M.V. 4500	66.3	82.6	83.7	84.1	84.3	84.5	84.5	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
M.V. 4000	68.0	84.8	86.0	86.4	86.7	86.8	86.8	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4
M.V. 3500	68.5	85.5	86.7	87.2	87.4	87.6	87.6	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2
M.V. 3000	69.9	87.7	88.9	89.5	89.8	89.9	89.9	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.5	90.5
M.V. 2500	70.6	88.9	90.0	90.7	90.9	91.1	91.1	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.7
M.V. 2000	70.7	90.0	91.5	92.4	92.6	92.7	92.7	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4
M.V. 1800	70.7	90.2	91.6	92.6	92.9	93.0	93.0	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.7	93.7
M.V. 1500	70.9	90.5	92.0	93.1	93.7	93.8	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.4	94.4
M.V. 1200	71.1	90.9	92.4	93.7	94.2	94.3	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9
M.V. 1000	71.5	91.8	93.9	95.3	96.0	96.1	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.8	96.8
M.V. 900	71.5	91.8	93.9	95.3	96.1	96.2	96.2	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9
M.V. 800	71.5	91.8	94.0	95.6	96.5	96.6	96.6	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.3	97.3
M.V. 700	71.6	92.0	94.2	95.7	96.6	96.8	96.8	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5
M.V. 600	71.6	92.0	94.4	96.1	97.0	97.2	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	98.1	98.1
M.V. 500	71.6	92.1	94.6	96.2	97.3	97.4	97.8	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8
M.V. 400	71.6	92.4	94.8	96.6	97.7	97.8	98.2	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
M.V. 300	71.6	92.4	94.8	96.6	97.7	98.1	98.6	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
M.V. 200	71.6	92.5	94.9	96.8	97.8	98.2	98.8	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
M.V. 100	71.6	92.5	94.9	96.8	97.8	98.2	98.8	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
M.V. 0	71.6	92.5	94.9	96.8	97.8	98.2	98.8	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 772

CEILING VERSUS VISIBILITY

2

723535 VANCE AFB OK

73-81

AP 2

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
≥ 20000	35.7	65.9	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3
≥ 18000	38.1	72.8	73.5	73.9	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.3
≥ 16000	38.5	74.1	74.7	75.1	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.5
≥ 14000	38.6	74.2	75.1	75.5	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥ 12000	39.8	74.6	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.4
≥ 10000	39.2	75.9	76.8	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 9000	39.7	78.9	79.9	80.4	80.5	80.5	80.5	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.8
≥ 8000	40.7	81.9	82.8	83.4	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.8
≥ 7000	40.7	82.2	83.1	83.6	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.1
≥ 6000	40.7	82.4	83.4	83.9	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3
≥ 5000	40.9	82.8	83.8	84.3	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.7
≥ 4500	41.4	83.9	84.9	85.4	85.5	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.8
≥ 4000	42.3	86.1	87.0	87.7	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.4
≥ 3500	42.7	86.5	87.4	88.1	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.8
≥ 3000	43.1	87.6	88.5	89.2	89.3	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.9
≥ 2500	44.2	89.9	91.8	91.5	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	92.2
≥ 2000	44.3	90.7	91.6	92.3	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	93.0
≥ 1800	44.3	91.8	91.8	92.7	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.4
≥ 1500	44.6	92.4	93.4	94.3	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	95.0
≥ 1200	44.7	93.1	94.1	95.0	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.7
≥ 1000	45.0	94.1	95.0	96.5	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.4
≥ 900	45.1	94.5	95.4	96.9	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.8
≥ 800	45.1	94.5	95.4	96.9	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	98.0
≥ 700	45.3	94.6	95.5	97.2	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.4
≥ 600	45.3	94.6	95.5	97.2	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.4
≥ 500	45.3	94.7	95.7	97.4	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.8
≥ 400	45.3	94.7	95.7	97.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.3
≥ 300	45.3	94.7	95.7	97.7	98.9	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.9
≥ 200	45.3	94.7	95.7	97.7	98.9	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	100.0
≥ 100	45.3	94.7	95.7	97.7	98.9	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 740

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723535
STATION

VANCE AFB TX

73-81

APD

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.16	≥ 0.1	≥ 0	
≥ 20000	45.7	61.5	61.8	62.2	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8
2 20000	57.3	67.7	68.0	68.4	68.7	68.7	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.1
2 18000	50.5	68.7	68.4	68.8	69.0	69.1	69.1	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.5
2 16000	50.6	68.1	68.5	69.0	69.2	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.6
2 14000	51.0	68.6	69.0	69.5	69.7	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1
2 12000	51.9	69.9	70.3	70.8	71.0	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.5
2 10000	53.4	72.9	73.4	73.8	74.1	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.6
2 9000	53.5	73.1	73.6	74.1	74.4	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8
2 8000	54.7	75.3	75.9	76.4	76.6	76.7	76.8	76.9	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.2
2 7000	54.9	75.7	76.3	76.8	77.1	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.7
2 6000	55.1	76.5	77.1	77.7	78.0	78.0	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5
2 5000	55.8	77.7	78.4	78.9	79.2	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.8
2 4500	56.1	78.4	79.1	79.7	80.1	80.1	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6	80.7
2 4000	57.2	80.4	81.2	82.0	82.3	82.3	82.5	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.9
2 3500	57.9	81.3	82.1	83.0	83.3	83.4	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.9	84.0
2 3000	58.8	82.7	83.6	84.6	84.9	85.0	85.1	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.6
2 2500	59.8	84.4	85.4	86.5	86.9	86.9	87.1	87.2	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.6
2 2000	60.6	86.1	87.3	88.6	89.0	89.1	89.2	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.7
2 1800	60.8	86.6	87.8	89.2	89.7	89.8	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.4
2 1500	61.2	87.9	89.4	91.0	91.6	91.7	91.8	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.3
2 1200	61.7	88.8	90.3	92.2	92.8	92.9	93.1	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.6
2 1000	62.0	89.8	91.6	93.7	94.6	94.6	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.4
2 900	62.1	90.0	91.9	94.0	94.9	95.0	95.2	95.4	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.8
2 800	62.2	90.2	92.2	94.5	95.7	95.8	96.1	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.7
2 700	62.3	90.6	92.6	95.0	96.3	96.4	96.7	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.3
2 600	62.3	90.7	92.8	95.2	96.5	96.6	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.6
2 500	62.3	90.8	93.0	95.6	97.1	97.2	97.7	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.4
2 400	62.4	91.0	93.1	95.8	97.3	97.5	98.1	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.9	99.0
2 300	62.4	91.0	93.1	95.9	97.4	97.6	98.2	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.4
2 200	62.4	91.0	93.2	95.9	97.4	97.6	98.3	98.8	99.0	99.2	99.3	99.3	99.4	99.4	99.5	99.7
2 100	62.4	91.0	93.2	95.9	97.4	97.6	98.3	98.8	99.0	99.2	99.3	99.3	99.5	99.5	99.7	99.9
2 50	62.4	91.0	93.2	95.9	97.4	97.6	98.3	98.8	99.0	99.2	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6167

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

727535 VANCE AFB OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4
≥ 2000	37.5	58.1	58.4	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 1800	33.5	63.9	64.1	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
≥ 1600	33.5	63.9	64.1	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
≥ 1400	33.9	64.7	64.9	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6
≥ 1200	34.0	65.7	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
≥ 1000	36.5	70.1	70.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.8
≥ 900	36.4	70.3	70.5	71.5	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 800	37.1	72.6	72.8	73.8	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
≥ 700	37.6	74.4	74.7	75.6	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2
≥ 600	37.8	74.6	74.8	75.8	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
≥ 500	38.6	76.8	77.1	78.0	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
≥ 450	39.2	78.6	79.1	80.1	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
≥ 400	39.9	81.9	82.6	83.7	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.5
≥ 350	40.3	83.8	84.5	85.7	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5
≥ 300	40.4	85.0	86.3	87.7	88.2	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
≥ 250	40.6	85.4	86.7	88.1	88.6	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3
≥ 200	40.6	86.6	88.1	89.6	90.1	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.8
≥ 1800	40.6	86.6	88.1	89.6	90.1	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.8
≥ 1500	40.7	88.1	89.7	91.7	92.2	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 1200	40.7	88.5	91.1	92.1	92.6	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
≥ 1000	41.1	89.6	91.3	93.4	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
≥ 900	41.1	89.7	91.6	93.7	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥ 800	41.1	89.7	91.6	93.7	94.6	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥ 700	41.1	90.1	92.1	94.2	95.2	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.9
≥ 600	41.1	90.2	92.2	94.4	95.4	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1
≥ 500	41.1	90.6	92.6	94.9	96.1	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥ 400	41.1	90.8	92.8	95.0	96.7	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.9
≥ 300	41.1	91.0	93.0	95.7	97.3	97.5	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.7
≥ 200	41.1	91.0	93.0	95.7	97.6	97.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	99.1	99.3
≥ 100	41.1	91.0	93.0	95.7	97.7	97.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.5	99.7
≥ 50	41.1	91.0	93.0	95.7	97.7	97.9	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 747

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722535 VANCE AFB TX

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4
1000	24.7	53.5	54.2	55.8	56.2	56.2	56.5	56.8	56.8	57.1	57.1	57.1	57.3	57.3	57.5	57.6
2000	27.0	57.1	57.9	59.4	59.8	59.8	60.2	60.5	60.5	60.7	60.7	60.7	61.0	61.0	61.1	61.3
3000	27.0	57.1	57.9	59.4	59.8	59.8	60.2	60.5	60.5	60.7	60.7	60.7	61.0	61.0	61.1	61.3
4000	27.0	57.1	57.9	59.4	59.8	59.8	60.2	60.5	60.5	60.7	60.7	60.7	61.0	61.0	61.1	61.3
5000	27.4	58.4	59.2	60.9	61.3	61.3	61.6	61.9	61.9	62.2	62.2	62.2	62.4	62.4	62.6	62.7
6000	27.7	59.4	60.2	61.9	62.3	62.3	62.7	63.0	63.0	63.2	63.2	63.2	63.5	63.5	63.6	63.7
7000	29.2	63.4	64.4	66.4	66.9	66.9	67.3	67.5	67.5	67.8	67.8	67.8	68.1	68.1	68.2	68.3
8000	29.5	63.7	64.8	66.8	67.3	67.3	67.7	67.9	67.9	68.2	68.2	68.2	68.5	68.5	68.6	68.7
9000	30.5	66.6	67.7	69.9	70.4	70.4	70.9	71.2	71.2	71.5	71.5	71.5	71.9	71.9	72.0	72.1
10000	30.8	67.7	68.7	71.1	71.7	71.7	72.3	72.5	72.5	72.8	72.8	72.8	73.2	73.2	73.3	73.4
11000	31.4	68.8	69.9	72.3	72.9	72.9	73.4	73.7	73.7	74.0	74.0	74.0	74.3	74.3	74.5	74.6
12000	32.6	72.4	73.4	75.8	76.4	76.4	77.0	77.2	77.2	77.5	77.5	77.5	77.9	77.9	78.0	78.1
13000	32.7	73.3	74.5	76.8	77.5	77.5	78.0	78.3	78.3	78.5	78.5	78.5	78.9	78.9	79.1	79.2
14000	33.5	76.2	77.6	80.2	81.0	81.0	81.5	81.8	81.8	82.1	82.1	82.1	82.5	82.5	82.6	82.7
15000	34.4	79.4	79.8	82.6	83.4	83.4	83.9	84.2	84.2	84.4	84.4	84.4	84.8	84.8	84.9	85.1
16000	34.7	79.8	81.4	84.4	85.2	85.2	85.7	86.0	86.0	86.3	86.3	86.3	86.6	86.6	86.8	86.9
17000	34.9	80.9	82.5	85.5	86.3	86.3	86.8	87.0	87.0	87.3	87.3	87.3	87.7	87.7	87.8	88.0
18000	35.2	82.6	84.4	87.7	88.5	88.5	89.0	89.3	89.3	89.7	89.7	89.7	90.1	90.1	90.2	90.3
19000	35.2	82.7	84.6	87.8	88.6	88.6	89.1	89.4	89.4	89.8	89.8	89.8	90.2	90.2	90.3	90.4
20000	35.3	83.5	85.3	89.1	90.1	90.1	90.6	90.8	90.8	91.2	91.2	91.2	91.6	91.6	91.8	91.9
21000	35.7	84.3	86.1	89.9	90.8	90.8	91.4	91.6	91.6	92.0	92.0	92.0	92.4	92.4	92.5	92.7
22000	35.7	84.9	86.8	91.0	91.9	91.9	92.4	92.7	92.7	93.1	93.1	93.1	93.5	93.5	93.6	93.7
23000	35.7	85.3	87.2	91.5	92.4	92.4	92.9	93.2	93.2	93.6	93.6	93.6	94.0	94.0	94.1	94.2
24000	36.1	86.3	88.2	92.9	94.0	94.1	94.9	95.2	95.2	95.5	95.5	95.5	95.9	95.9	96.1	96.2
25000	36.1	86.5	88.5	93.3	94.9	95.0	95.8	96.1	96.1	96.5	96.5	96.5	96.9	96.9	97.0	97.1
26000	36.1	86.5	88.5	93.3	95.2	95.3	96.1	96.3	96.3	96.7	96.7	96.7	97.1	97.1	97.3	97.4
27000	36.3	87.0	89.0	94.4	96.3	96.5	97.3	97.5	97.5	97.9	97.9	97.9	98.3	98.3	98.4	98.6
28000	36.3	87.0	89.0	94.6	96.9	97.0	97.9	98.2	98.2	98.6	98.6	98.6	99.0	99.0	99.1	99.2
29000	36.4	87.2	89.1	94.8	97.0	97.1	98.0	98.3	98.3	98.7	98.7	98.7	99.2	99.2	99.5	99.7
30000	36.4	87.2	89.1	94.8	97.0	97.1	98.0	98.3	98.3	98.7	98.7	98.7	99.3	99.3	99.6	99.9
31000	36.4	87.2	89.1	94.8	97.0	97.1	98.0	98.3	98.3	98.7	98.7	98.7	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 764

FEDERAL CLIMATOLOGY BRANCH
WAFSC/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707535 VANCE AFB OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-7800

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	1/2	3/4	1	1 1/4	1 1/2	2	3	4	5	6	7	8			
1000	37.4	45.7	46.7	49.4	51.2	50.9	51.1	51.3	51.5	51.6	51.6	51.6	51.6	51.6	51.6
900	42.3	51.6	53.4	56.9	57.8	58.5	58.7	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2
800	42.3	51.8	53.7	57.1	58.1	58.7	58.9	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4
700	42.3	51.8	53.7	57.1	58.1	58.7	58.9	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4
600	43.5	52.7	54.5	58.1	59.2	59.8	61.4	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9
500	44.4	54.2	56.4	59.9	61.0	61.6	62.3	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9
400	45.6	57.2	59.5	63.2	65.1	65.7	66.4	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0
300	45.8	57.7	60.0	63.7	65.6	66.2	66.9	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5
200	47.5	61.9	63.2	67.3	69.1	69.7	70.6	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2
100	48.9	62.4	64.7	68.8	71.6	71.2	72.1	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7
0	49.3	62.9	65.2	69.2	71.1	71.7	72.5	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2
1000	50.6	65.0	67.4	71.6	73.4	74.0	74.9	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5
900	51.2	65.8	68.4	72.5	74.4	75.0	75.9	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5
800	52.1	67.1	70.3	74.4	76.5	77.1	78.1	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7
700	52.6	67.8	71.8	75.4	77.6	78.2	79.4	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
600	53.7	69.4	72.5	77.2	79.5	80.1	81.6	82.1	82.2	82.4	82.5	82.5	82.5	82.5	82.5
500	54.4	71.3	73.5	78.4	81.0	81.6	83.1	83.6	83.7	83.8	83.9	83.9	83.9	83.9	83.9
400	55.1	71.7	74.9	81.4	83.2	83.8	85.5	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.6
300	55.5	72.3	75.5	81.0	83.8	84.4	86.2	86.9	87.0	87.1	87.3	87.3	87.3	87.3	87.3
200	56.3	74.0	77.3	83.1	85.9	86.5	88.4	89.1	89.2	89.3	89.5	89.5	89.5	89.5	89.5
100	57.1	75.4	79.2	85.0	87.9	88.5	90.4	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.5
0	57.1	76.1	79.9	85.8	88.6	89.2	91.3	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.5
1000	57.0	76.6	80.5	86.5	89.3	90.0	92.0	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.3
900	57.7	77.7	81.7	88.1	90.9	91.5	93.9	94.6	94.7	94.9	95.0	95.0	95.0	95.0	95.1
800	57.8	77.8	82.1	88.8	91.7	92.3	94.6	95.3	95.5	95.6	95.7	95.7	95.7	95.7	95.8
700	58.1	78.2	82.5	89.5	92.3	92.9	95.3	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.6
600	58.2	78.3	82.6	89.6	92.4	93.0	95.6	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.8
500	59.7	78.7	83.0	90.1	93.0	93.6	96.2	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.7
400	58.2	78.7	83.0	90.2	93.1	93.8	96.4	97.8	98.0	98.4	98.7	98.7	98.7	98.7	98.8
300	58.2	78.7	83.0	90.2	93.1	93.8	96.4	97.8	98.0	98.7	98.9	98.9	98.9	98.9	99.3
200	58.2	78.7	83.0	90.2	93.1	93.8	96.4	97.8	98.0	98.7	98.9	98.9	98.9	98.9	99.5
100	58.2	78.7	83.0	90.2	93.1	93.8	96.4	97.8	98.0	98.7	98.9	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 816

FEDERAL CLIMATOLOGY BRANCH
WAFB ETAC
U.S. WEATHER SERVICE, WMO

CEILIN VERSUS VISIBILITY

72035 WANCE AFB TX
73-31

73-31

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

52.1	54.5	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
59.7	63.1	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
59.7	63.1	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
59.8	63.2	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
60.4	63.8	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
62.3	65.8	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
65.3	69.3	70.5	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
65.7	69.7	70.9	71.1	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
65.7	73.5	74.8	75.1	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
70.0	75.1	76.4	76.7	77.0	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
71.4	75.8	77.1	77.4	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
71.4	77.3	78.6	78.9	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
71.6	77.5	78.8	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
73.0	77.7	81.1	81.5	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
73.8	81.4	81.8	82.3	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
74.5	81.2	82.7	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
75.7	83.2	84.7	85.3	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	86.3	86.3
76.8	84.5	86.0	86.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
77.6	85.6	87.2	87.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
78.5	87.0	88.9	89.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
79.1	88.0	90.0	91.0	92.2	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	92.4
79.9	89.8	91.8	93.1	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
81.1	90.1	92.2	93.6	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
80.6	90.7	92.8	94.5	95.8	96.0	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
80.6	91.0	93.0	94.9	96.3	96.5	96.6	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
80.7	91.1	93.1	95.1	96.4	96.6	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
80.9	91.5	93.6	96.0	97.6	97.8	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
81.0	91.6	93.9	96.3	97.8	98.1	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
81.0	91.6	93.9	96.3	97.8	98.1	98.7	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
81.0	91.6	93.9	96.3	97.8	98.1	98.7	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
81.0	91.6	93.9	96.3	97.8	98.1	98.7	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 831

GENERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AND WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

123535 LAKE ARBOR

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1950-1959

CEILING	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
100	75.7	82.1	62.3	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
100	73.4	72.9	73.5	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
100	73.7	73.5	74.1	74.8	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	74.9	75.0
100	63.2	73.6	74.3	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
100	64.2	74.1	74.8	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	75.5	75.5	75.6
100	64.4	74.9	75.5	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.4
100	67.7	78.7	79.5	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5
100	68.7	79.1	79.9	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9
100	69.4	81.2	82.1	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
100	69.9	82.0	82.8	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9
100	69.9	82.3	83.3	84.1	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	84.2	84.2	84.2	84.3
100	70.6	83.6	84.6	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6
100	71.3	85.1	86.1	86.8	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	86.9	86.9	86.9	87.1
100	72.1	86.8	87.7	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3
100	72.4	88.3	89.4	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.8
100	73.1	89.6	90.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3
100	73.6	90.7	91.8	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5
100	74.0	91.2	92.4	93.7	93.8	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3
100	74.1	91.7	92.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
100	74.4	92.4	93.8	95.5	95.6	95.8	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.3
100	74.5	92.7	94.3	96.4	96.5	96.6	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
100	74.8	93.2	95.1	97.3	97.5	97.6	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3
100	74.8	93.2	95.1	97.3	97.5	97.6	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3
100	74.9	93.3	95.4	97.6	98.0	98.1	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8
100	74.9	93.3	95.5	97.8	98.1	98.3	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
100	74.9	93.4	95.6	98.0	98.5	98.6	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3
100	74.9	93.5	95.9	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
100	74.9	93.5	95.9	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
100	74.9	93.5	95.9	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
100	74.9	93.5	95.9	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
100	74.9	93.5	95.9	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
100	74.9	93.5	95.9	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 874

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

2

CEILING VERSUS VISIBILITY

73-81

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	1/2	3/4	1	1 1/4	1 1/2	2	3	4	5	6	7	8	9	10	11	12
1000	36.8	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
800	40.1	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
600	43.1	70.6	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	71.0
400	47.3	71.3	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
200	43.5	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
100	43.3	76.9	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
50	44.2	78.7	78.8	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
30	44.4	79.4	79.5	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
20	44.5	79.5	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
15	45.1	81.0	81.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
10	46.1	82.6	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
5	46.5	84.8	85.3	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
3	46.6	85.3	85.8	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
2	46.8	87.5	88.3	89.1	89.4	89.4	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1 1/2	47.1	88.6	89.4	90.5	90.9	90.9	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1	47.1	89.9	91.2	92.3	92.7	92.7	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
3/4	47.3	91.0	92.3	93.6	94.2	94.4	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1/2	47.5	91.9	93.4	94.7	95.2	95.5	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1/4	47.9	92.7	94.2	95.5	96.0	96.2	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1/8	47.9	92.9	94.3	95.6	96.1	96.4	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1/4	48.1	93.0	94.4	95.7	96.2	96.5	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1/8	48.2	93.1	94.7	96.1	96.6	96.9	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1/4	48.2	93.2	94.8	96.4	96.9	97.1	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1/8	48.2	93.2	95.1	96.8	97.9	98.2	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1/4	48.2	93.5	95.3	97.0	98.3	98.6	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1/8	48.2	93.5	95.3	97.3	98.7	99.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1/4	48.2	93.5	95.3	97.3	98.7	99.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1/8	48.2	93.5	95.3	97.3	98.7	99.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
1/4	48.2	93.5	95.3	97.3	98.7	99.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 770

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725935 WANCE AFB OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

FEET	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
0	43.2	55.8	56.3	57.3	57.1	57.2	57.3	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	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	
10	49.2	63.8	64.3	65.1	65.3	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
20	49.9	63.9	64.5	65.3	65.5	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	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	65.9	65.9	65.9
30	49.9	64.8	65.3	66.2	66.4	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
40	50.3	66.2	66.8	67.7	67.9	68.0	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
50	53.9	70.5	71.2	72.3	72.7	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
60	55.4	73.2	74.0	75.2	75.6	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
70	56.1	74.4	75.2	76.3	76.8	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
80	55.3	74.9	75.7	76.9	77.3	77.4	77.6	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	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
90	57.3	76.7	77.5	78.7	79.2	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
100	57.8	77.8	78.7	79.9	80.3	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
110	59.0	80.3	81.4	82.7	83.2	83.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
120	59.6	81.5	82.6	84.0	84.6	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
130	59.9	83.4	84.6	86.1	86.8	86.9	87.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
140	61.6	84.8	86.0	87.7	88.4	88.5	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
150	62.3	86.3	87.7	89.5	90.3	90.4	90.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
160	62.5	86.7	88.2	90.0	90.8	90.9	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
170	63.7	89.6	91.5	93.8	94.8	94.9	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
180	63.7	89.8	91.7	94.1	95.1	95.2	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
190	64.0	90.2	92.1	94.7	95.8	96.0	96.7	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
200	64.1	90.3	92.3	95.1	96.2	96.4	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
210	64.0	90.5	92.5	95.3	96.5	96.7	97.4	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
220	64.1	90.6	92.7	95.6	97.0	97.2	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
230	64.1	90.8	92.8	95.9	97.4	97.5	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
240	64.1	90.8	92.9	96.0	97.6	97.7	98.6	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
250	64.1	90.8	92.9	96.0	97.6	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
260	64.1	90.8	92.9	96.0	97.6	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 6389

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

723535 VANCE AFB TX

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-2500

CEILING (FEET)	VISIBILITY (STAT MILES)																	
	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50		
1000	38.3	66.7	67.7	68.6	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.3
900	41.7	74.4	75.7	76.7	77.6	77.8	78.0	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.5
800	41.9	74.4	75.7	76.8	77.8	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.5	78.5	78.5	78.6
700	41.9	74.4	75.8	76.9	77.9	78.0	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.6	78.6	78.6	78.6	78.7
600	43.4	76.7	78.7	79.1	80.1	80.2	80.5	80.5	80.5	80.5	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.9
500	44.3	78.7	80.1	81.2	82.2	82.3	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.9	82.9	82.9	83.0	83.0
400	44.5	78.9	80.2	81.4	82.3	82.5	82.7	82.7	82.7	82.7	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.1
300	45.2	81.1	82.5	83.6	84.5	84.7	84.9	84.9	84.9	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.4
200	45.3	81.8	83.1	84.3	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.8	85.8	85.9	85.9	85.9	85.9	86.0
100	45.3	82.3	83.7	84.8	85.8	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.6
0	46.0	83.7	85.1	86.2	87.2	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.8	87.8	87.8	88.0
1000	46.1	84.4	85.8	86.9	87.8	88.0	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.7
900	46.5	86.3	87.7	88.8	89.2	90.3	90.6	90.7	90.7	90.7	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.2
800	46.7	86.5	88.1	89.2	90.6	90.7	91.0	91.2	91.2	91.2	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.6
700	47.1	87.8	89.6	90.7	92.1	92.3	92.5	92.7	92.7	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1
600	47.1	89.4	91.3	92.5	93.9	94.1	94.3	94.5	94.6	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.0
500	47.1	90.1	92.0	93.2	94.6	94.8	95.0	95.2	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.7
400	47.2	90.2	92.1	93.4	94.8	94.9	95.2	95.3	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.9
300	47.4	90.5	92.4	93.6	95.2	95.3	95.6	95.7	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.3
200	47.4	90.5	92.4	93.6	95.3	95.4	95.7	95.9	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.4
100	47.4	90.7	92.7	93.9	95.6	95.7	96.0	96.1	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.7
0	47.4	90.7	92.7	93.9	95.6	95.7	96.0	96.1	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.7
1000	47.4	90.9	92.8	94.1	95.7	95.9	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.8
900	47.4	91.0	93.0	94.2	96.0	96.1	96.4	96.5	96.7	96.7	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.1
800	47.4	91.2	93.1	94.3	96.1	96.3	96.5	96.7	96.8	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.2
700	47.4	91.4	93.4	94.6	96.4	96.5	96.8	97.0	97.1	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.5
600	47.4	91.7	93.6	95.0	96.8	97.0	97.2	97.4	97.5	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.1
500	47.5	92.1	94.1	95.7	97.5	97.7	97.9	98.1	98.2	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.8
400	47.5	92.1	94.1	95.7	97.5	97.7	97.9	98.1	98.3	98.5	98.8	98.8	98.8	99.2	99.2	99.2	99.3	99.4
300	47.5	92.1	94.1	95.7	97.5	97.7	97.9	98.1	98.3	98.5	98.8	98.8	98.8	99.2	99.4	99.4	99.4	100.0
200	47.5	92.1	94.1	95.7	97.5	97.7	97.9	98.1	98.3	98.5	98.8	98.8	98.8	99.2	99.4	99.4	99.4	100.0
100	47.5	92.1	94.1	95.7	97.5	97.7	97.9	98.1	98.3	98.5	98.8	98.8	98.8	99.2	99.4	99.4	99.4	100.0
0	47.5	92.1	94.1	95.7	97.5	97.7	97.9	98.1	98.3	98.5	98.8	98.8	98.8	99.2	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 724

CEILING VERSUS VISIBILITY

2

723535

VANCE AFB TX

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS.

0600-7800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	57.5	58.1	58.6	59.4	59.7	59.9	60.0	60.0	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.5
900	57.1	66.7	67.3	68.5	69.1	69.4	69.6	69.6	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.1
800	57.1	66.8	67.4	68.6	69.2	69.5	69.7	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.3
700	57.1	66.8	67.4	68.6	69.2	69.5	69.7	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.3
600	57.7	67.9	68.6	69.7	70.4	70.6	70.9	70.9	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.5
500	60.4	70.8	71.5	72.8	73.5	73.7	74.0	74.0	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.6
400	63.1	74.4	75.3	76.5	77.2	77.4	77.7	77.7	77.8	78.1	78.2	78.2	78.2	78.2	78.2	78.3
300	63.3	75.1	76.0	77.3	77.9	78.2	78.5	78.5	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.1
200	65.3	77.6	78.5	79.7	80.5	80.8	81.0	81.0	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.7
150	66.2	78.2	79.1	80.4	81.2	81.4	81.7	81.7	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.3
100	66.5	78.8	79.7	81.0	81.8	82.1	82.4	82.4	82.6	82.8	82.9	82.9	82.9	82.9	82.9	83.1
50	67.4	81.8	81.8	83.1	83.8	84.1	84.5	84.5	84.6	84.9	85.0	85.0	85.0	85.0	85.0	85.1
0	67.9	81.3	82.3	83.6	84.4	84.6	85.0	85.0	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.6
1000	68.7	82.2	83.2	84.5	85.3	85.5	85.9	85.9	86.0	86.3	86.4	86.4	86.4	86.4	86.4	86.5
900	68.5	82.3	83.3	84.7	85.5	85.8	86.2	86.2	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.8
800	69.2	83.2	84.2	85.6	86.4	86.7	87.1	87.1	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.7
700	69.4	83.7	84.7	86.2	86.9	87.2	87.6	87.6	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.3
600	69.6	84.5	85.5	87.1	87.8	88.1	88.5	88.5	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.2
500	69.5	84.7	85.8	87.3	88.1	88.3	88.7	88.7	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.5
400	70.0	85.6	86.7	88.6	89.4	89.6	90.0	90.0	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.9
300	70.5	86.4	87.4	89.4	90.1	90.4	90.8	90.9	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.7
200	71.0	87.7	88.7	90.8	91.5	91.8	92.2	92.3	92.6	92.8	92.9	92.9	92.9	92.9	92.9	93.1
100	71.2	87.8	88.8	90.9	91.7	91.9	92.3	92.6	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.3
50	71.5	88.5	89.7	92.1	92.9	93.2	93.6	93.8	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.6
0	71.7	89.1	90.4	92.7	93.8	94.1	94.5	94.7	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.5
1000	71.7	89.2	90.5	92.8	94.0	94.2	94.6	94.9	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.6
900	71.8	89.4	90.6	93.3	94.6	94.9	95.4	95.6	95.9	96.4	96.5	96.5	96.5	96.5	96.5	96.7
800	71.8	89.6	91.0	94.1	95.4	95.6	96.2	96.5	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.7
700	71.8	89.6	91.0	94.2	95.5	95.8	96.4	97.1	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.2
600	71.8	89.6	91.0	94.2	95.5	95.8	96.4	97.2	97.9	98.5	98.8	98.8	99.0	99.1	99.1	99.2
500	71.8	89.6	91.0	94.2	95.5	95.8	96.4	97.2	97.9	98.6	99.0	99.0	99.4	99.5	99.5	99.6
400	71.8	89.6	91.0	94.2	95.5	95.8	96.4	97.2	97.9	98.6	99.0	99.0	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 780

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

120535 WANCE AFB OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1900-1100

CEILING	1000	900	800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800	900	1000
1000	60.8	51.5	61.8	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	62.0	62.0	62.0	62.0
900	66.7	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	68.9	68.9	68.9	68.9	68.9	68.9
800	67.1	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
700	67.1	68.5	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
600	68.0	69.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
500	69.8	71.9	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
400	73.2	75.7	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
300	74.3	77.3	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	78.0	78.0	78.0	78.0	78.0
200	76.2	79.2	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
100	77.7	81.2	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
0	77.7	81.2	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
1000	79.8	83.5	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
900	80.0	83.8	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
800	80.7	84.8	85.5	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
700	80.9	84.9	85.8	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
600	82.1	86.4	87.3	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
500	82.4	87.0	87.9	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
400	83.3	89.0	89.9	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
300	84.1	89.3	90.2	90.8	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	90.9	90.9
200	84.9	90.4	91.7	92.4	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
100	85.4	91.9	93.2	94.0	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	86.9	92.6	93.8	94.8	95.0	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1000	87.2	93.3	94.6	95.7	95.8	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	96.3	96.3
900	87.4	93.7	95.0	96.2	96.3	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
800	87.5	94.0	95.2	96.6	96.7	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700	87.7	94.2	95.5	97.0	97.2	97.5	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	97.9	97.9
600	87.7	94.2	95.6	97.2	97.7	98.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500	87.8	94.6	96.1	97.9	98.4	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	87.8	94.6	96.1	98.0	98.5	98.7	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	87.8	94.6	96.1	98.0	98.5	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	87.8	94.6	96.1	98.0	98.5	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	87.8	94.6	96.1	98.0	98.5	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	87.8	94.6	96.1	98.0	98.5	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	87.8	94.6	96.1	98.0	98.5	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 794

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
MET WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

700735 VANCE AFB TX

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

HEIGHT FEET	VISIBILITY STATUTE MILES															
	1/2	3/8	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4
NO FLOOR	66.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2 70000	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
2 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
2 5000	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
2 4000	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
2 3000	77.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2 2000	79.4	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
2 1000	79.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
2 800	80.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2 700	81.8	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
2 600	81.5	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
2 500	82.1	87.2	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2 400	82.8	87.9	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2 300	84.0	89.2	89.2	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
2 200	85.5	90.7	90.7	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
2 1000	86.7	92.0	92.0	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
2 800	87.7	94.2	94.2	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
2 700	88.2	94.8	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2 600	88.2	95.2	95.3	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
2 500	89.2	96.5	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2 400	89.3	97.1	97.6	97.7	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2 300	89.3	97.4	97.9	98.0	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2 200	89.4	97.5	98.0	98.1	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2 1000	89.7	97.7	98.4	98.5	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 800	89.8	98.0	98.6	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2 700	89.8	98.0	98.6	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2 600	89.9	98.1	98.7	99.0	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2 500	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 400	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 300	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 200	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 1000	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 800	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 700	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 600	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 500	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 400	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 300	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 200	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 1000	90.1	98.2	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 795

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

703535 VANCE AFB JK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
900	77.8	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
800	78.1	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
700	78.1	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
600	78.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
500	80.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
400	83.8	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
300	84.6	89.5	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
200	84.8	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
100	85.4	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	91.8
0	85.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1000	86.9	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
900	88.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
800	88.9	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
700	89.4	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
600	90.0	97.2	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
500	90.0	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
400	90.4	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	90.5	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
200	90.9	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
100	91.1	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	91.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1000	91.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
900	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	91.3	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 700

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WANCE AFB TX

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-0000

CEILING	1000	900	800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800	900	1000
1000	87.8	74.9	75.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
900	75.0	84.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
800	75.7	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
700	75.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
600	77.7	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
500	81.5	86.7	88.1	88.1	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
400	84.4	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
300	84.5	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
200	85.7	92.2	92.4	92.7	92.8	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
100	85.9	92.8	93.1	93.5	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
0	86.4	93.5	93.7	94.1	94.3	94.3	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	94.5	94.5
1000	86.8	94.1	94.5	94.9	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
900	87.7	94.5	94.9	95.3	95.4	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
800	88.1	96.0	96.3	96.7	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
700	88.7	96.0	96.3	96.7	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
600	88.1	96.3	96.7	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
500	88.5	96.9	97.3	97.7	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
400	88.5	96.9	97.3	97.7	97.9	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
300	88.9	97.4	97.8	98.2	98.4	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	98.7	98.7	98.7
200	88.9	97.4	97.8	98.2	98.4	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	98.7	98.7	98.7
100	88.9	97.5	97.9	98.3	98.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	88.9	97.5	97.9	98.3	98.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1000	88.9	97.7	98.1	98.4	98.7	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
900	88.9	97.7	98.0	98.4	98.7	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
800	88.9	97.9	98.3	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	88.9	98.2	98.6	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 767

FEDERAL CLIMATOLOGY BRANCH
METAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

W.A.M.C. AFD UK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

55.3	59.4	63.6	69.9	72.0	73.1	74.1	77.1	77.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.4	77.4	77.7	79.0	77.2	76.2	79.3	78.3	79.3	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
52.5	77.5	77.9	78.1	79.3	73.4	74.5	76.5	74.5	76.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
52.6	77.6	77.9	78.2	79.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
53.1	73.2	75.5	78.9	78.5	79.1	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
54.5	81.4	82.9	81.1	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
57.2	83.6	84.7	84.3	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
57.7	84.1	84.5	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
57.7	85.9	85.4	85.7	86.9	87.5	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
59.1	86.8	87.3	87.6	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2
59.4	87.2	87.7	88.1	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6
59.5	88.4	89.1	89.4	89.6	89.7	89.8	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
59.5	88.5	89.4	89.6	90.0	90.1	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
60.1	90.8	90.8	91.3	91.6	91.6	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
61.5	91.7	91.2	91.7	92.7	92.1	92.2	92.3	92.7	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
62.1	91.7	92.3	92.7	93.1	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
62.5	92.7	93.3	93.8	94.1	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6
62.9	93.1	93.9	94.5	94.8	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
63.7	93.7	94.3	94.8	95.2	95.2	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
63.3	94.2	94.9	95.5	95.8	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3
63.7	94.5	95.3	96.0	96.3	96.4	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
63.9	95.0	95.7	96.4	96.8	96.9	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
63.5	95.2	95.9	96.6	97.1	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
64.1	95.4	96.1	96.9	97.3	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
64.1	95.5	96.3	97.1	97.5	97.6	97.8	97.9	98.1	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
64.1	95.7	96.5	97.2	97.7	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
64.1	95.9	96.7	97.6	98.1	98.1	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
64.2	96.7	96.9	97.9	98.4	98.5	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
64.2	96.1	96.9	98.0	98.6	98.7	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8
64.2	96.1	96.9	98.0	98.6	98.7	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
64.2	96.1	96.9	98.0	98.6	98.7	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 6197

2

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE/MAC
 WASHINGTON, D. C.
 AGENCY ADDRESS
 75-81

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS
 0300-0500
 JUL

41.4	42.1	42.7	43.4	44.1	44.8	45.5	46.2	46.9	47.6	48.3	49.0	49.7	50.4	51.1	51.8	52.5	53.2	53.9	54.6	55.3	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6	62.3	63.0	63.7	64.4	65.1	65.8	66.5	67.2	67.9	68.6	69.3	70.0	70.7	71.4	72.1	72.8	73.5	74.2	74.9	75.6	76.3	77.0	77.7	78.4	79.1	79.8	80.5	81.2	81.9	82.6	83.3	84.0	84.7	85.4	86.1	86.8	87.5	88.2	88.9	89.6	90.3	91.0	91.7	92.4	93.1	93.8	94.5	95.2	95.9	96.6	97.3	98.0	98.7	99.4	100.1
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TOTAL NUMBER OF OBSERVATIONS 762

USAR 5740 7-15-54

CEILING VERSUS VISIBILITY

STATION: WANCHANG AFB, CHINA

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

600-7800

73.7	75.9	77.5	73.2	73.9	74.1	74.5	74.7	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
76.4	75.5	76.5	79.2	79.1	79.2	79.8	79.9	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
76.7	75.6	76.6	79.3	79.2	79.3	79.9	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
76.8	75.8	76.7	78.5	79.3	79.4	80.0	80.2	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
77.1	76.1	77.1	78.8	79.7	79.8	80.4	80.5	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
78.9	78.7	79.7	81.4	82.3	82.4	83.0	83.1	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
79.6	82.4	83.7	85.4	86.3	86.4	87.1	87.1	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
81.7	82.7	84.1	85.9	86.8	86.9	87.5	87.8	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
82.6	84.5	85.8	87.6	88.7	88.9	89.5	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
82.8	84.7	86.1	87.9	89.0	89.1	89.7	90.0	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
83.7	85.1	86.4	88.2	89.4	89.5	90.1	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
83.3	85.8	87.3	89.1	90.2	90.3	90.9	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
83.3	86.0	87.5	89.4	90.5	90.6	91.2	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
83.7	87.1	88.9	91.1	92.2	92.3	92.9	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
84.1	87.8	89.6	91.8	92.9	93.0	93.6	93.9	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
84.2	88.0	89.8	92.0	93.3	93.4	94.0	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
84.4	88.6	90.5	92.8	94.0	94.1	94.7	95.0	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
84.4	88.9	90.7	93.3	94.6	94.7	95.3	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
84.7	89.1	90.9	93.5	94.9	95.0	95.7	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
84.7	89.4	91.2	94.0	95.3	95.5	96.2	96.6	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
85.0	89.6	91.4	94.2	95.6	95.7	96.5	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
85.2	89.7	91.6	94.4	95.7	95.8	96.6	96.9	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
85.2	90.0	91.8	94.7	96.1	96.2	96.9	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
85.2	90.0	91.8	94.7	96.1	96.2	96.9	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
85.2	90.0	91.8	94.9	96.2	96.3	97.2	97.7	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
85.2	90.0	91.8	94.9	96.3	96.5	97.3	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
85.3	90.1	91.9	95.0	96.5	96.6	97.4	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
85.3	90.1	91.9	95.0	96.5	96.6	97.4	97.9	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
85.3	90.1	91.9	95.0	96.5	96.6	97.4	97.9	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
85.3	90.1	91.9	95.0	96.5	96.6	97.4	97.9	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 817

CENTRAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

COMBINE RANGE AFB OK

73-21

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1900-1100

70.5	74.2	74.3	74.3	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
75.1	79.4	79.6	79.6	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
75.2	79.5	79.9	79.9	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
75.5	80.2	80.2	80.2	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
75.6	80.3	80.6	80.6	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
77.7	82.1	82.4	82.4	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
80.3	85.1	85.3	85.3	86.3	86.3	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
80.5	86.3	86.6	86.6	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9
81.7	87.9	88.1	88.1	89.0	89.0	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
82.9	88.8	89.1	89.1	89.9	89.9	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
83.2	89.8	89.8	90.0	90.9	90.9	91.0	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
84.5	90.9	91.1	91.4	92.3	92.3	92.4	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
84.8	91.1	91.4	91.6	92.6	92.6	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
85.5	92.0	92.2	92.7	93.6	93.6	93.8	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
85.9	92.3	92.6	93.0	94.0	94.0	94.1	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
86.5	93.4	93.6	94.1	95.1	95.1	95.2	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
87.1	94.1	94.4	94.8	95.8	95.8	96.0	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
87.4	94.6	94.8	95.3	96.3	96.3	96.5	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
87.4	94.8	94.8	95.3	96.3	96.3	96.5	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
88.0	95.3	95.6	96.3	97.2	97.2	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
88.1	95.4	95.7	96.5	97.6	97.6	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
88.2	95.6	95.8	97.1	98.3	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
88.2	95.6	95.8	97.1	98.3	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
88.2	95.7	96.0	97.4	98.6	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.2	95.7	96.0	97.4	98.6	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.2	95.7	96.0	97.4	98.6	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.2	95.7	96.0	97.4	98.6	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.4	96.0	96.5	97.8	99.0	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.4	96.0	96.5	97.8	99.0	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.4	96.0	96.5	97.8	99.0	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.4	96.0	96.5	97.8	99.0	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.4	96.0	96.5	97.8	99.0	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.4	96.0	96.5	97.8	99.0	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.4	96.0	96.5	97.8	99.0	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 834

FEDERAL CLIMATOLOGY BRANCH
 WAFB ETAC
 AIR WEATHER SERVICE/44C

CEILING VERSUS VISIBILITY

2

STATION WAFB OK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1900-1900

72.5	74.9	75.1	75.5	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
75.3	81.9	82.7	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
75.5	81.7	82.1	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
78.9	82.0	82.1	82.9	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
79.7	83.1	83.2	83.9	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	84.4
80.2	84.4	84.5	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
84.5	88.5	88.5	89.3	89.7	89.7	89.8	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
85.7	89.9	90.0	90.8	91.1	91.1	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
86.1	90.0	90.4	91.1	91.5	91.5	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
86.5	91.8	91.9	91.7	92.1	92.1	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
87.3	91.7	91.8	92.8	93.2	93.2	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
87.6	92.1	92.2	93.2	93.5	93.5	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
87.9	92.6	92.7	93.6	94.0	94.0	94.1	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
88.5	93.5	93.6	94.6	95.0	95.0	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
89.7	94.7	94.8	96.2	96.5	96.5	96.6	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
90.4	95.6	95.7	97.0	97.4	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
90.8	95.9	96.0	97.6	98.0	98.0	98.1	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
91.9	96.7	96.8	97.8	98.2	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
91.2	96.9	97.1	98.9	99.3	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	99.8	99.8
91.2	96.9	97.1	98.9	99.3	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	99.8	99.8
91.2	96.9	97.1	99.0	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.2	95.9	97.1	99.0	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.2	96.9	97.1	99.0	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.2	96.9	97.1	99.0	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.2	97.0	97.2	99.2	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.2	97.0	97.2	99.2	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.2	97.0	97.2	99.2	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.2	97.0	97.2	99.2	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.2	97.0	97.2	99.2	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 834

2

FEDERAL CLIMATOLOGY BRANCH
AF/ETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

1220505 331951 AFB/AM
73-51
730500 730500

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

JUL
15 00-1300

73.5	77.5	77.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
80.4	84.4	85.0	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
87.4	84.4	85.0	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
81.1	85.0	85.5	86.0	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
82.8	86.8	87.4	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
85.4	89.9	90.5	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
85.6	90.0	90.6	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
86.5	91.7	91.6	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
87.5	91.9	92.5	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
88.1	92.5	93.4	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
88.1	93.5	94.5	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
87.4	94.7	94.8	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
89.9	94.8	95.7	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
90.4	95.8	96.9	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
90.5	97.0	98.0	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
91.1	97.4	98.3	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
91.2	97.6	98.6	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	99.9
91.2	97.6	98.6	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	99.9
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.3	97.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 831

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-35 WANCE AFB OK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1900-2000

CEILING	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
100	74.5	79.5	79.5	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
90	80.4	86.3	86.4	86.9	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
80	81.4	86.6	86.7	87.2	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
70	81.3	86.9	87.1	87.5	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
60	81.2	87.5	87.7	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
50	83.7	90.4	90.5	91.0	91.7	92.0	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
40	85.3	92.9	93.1	93.5	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	94.6	94.6
30	85.4	93.1	93.2	93.6	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
20	85.9	93.8	93.9	94.4	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
10	86.7	94.5	94.6	95.1	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
0	87.1	95.1	95.1	95.6	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1000	88.1	96.3	96.4	97.0	97.6	98.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
900	88.3	96.3	96.8	97.4	98.1	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	98.5	98.5	98.5
800	89.2	96.5	97.0	97.6	98.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
700	88.4	97.1	97.5	98.1	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	88.4	97.3	97.8	98.5	99.1	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	99.9	99.9
500	88.4	97.3	97.8	98.5	99.1	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	99.9	99.9
400	88.4	97.3	97.8	98.5	99.1	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	99.9	99.9
300	88.4	97.3	97.8	98.5	99.1	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	99.9	99.9
200	88.4	97.3	97.8	98.5	99.1	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	99.9	99.9
100	88.4	97.3	97.8	98.5	99.1	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	99.9	99.9
0	88.4	97.3	97.8	98.5	99.1	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	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 803

JOURNAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1276350 1276350 WANCE AFB TX

73-51

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0100-2300

UNWEIGHTED STATISTICS																
CEILING	90	80	70	60	50	40	30	20	10	0	90	80	70	60	50	
90	49.7	82.4	87.7	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
80	52.3	87.1	87.4	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
70	52.5	87.1	87.4	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
60	52.6	87.9	88.7	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
50	54.0	91.5	90.8	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
40	55.5	93.8	94.0	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
30	55.7	94.7	94.9	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
20	56.5	95.7	96.7	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
10	56.5	95.8	96.1	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
0	56.6	96.6	96.9	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
90	56.5	96.7	97.0	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
80	57.0	97.4	97.7	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
70	57.0	97.4	97.7	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
60	57.2	97.8	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
50	57.2	97.8	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
40	57.2	97.8	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
30	57.2	97.8	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20	57.2	97.8	98.2	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
10	57.2	97.8	98.2	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
80	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
70	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
60	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	57.2	97.8	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 768

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

CEILING CLIMATOLOGY BRANCH
 WPTAF TAC
 ALL WEATHER SERVICE/MAW

CEILING VERSUS VISIBILITY

2

730335 WANCE AFB TX

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

	51.4	77.7	77.4	78.3	78.3	78.4	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	79.7	78.7
	85.5	82.4	82.9	83.7	84.2	84.2	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6
	85.5	82.5	83.0	83.8	84.3	84.3	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
	85.7	82.7	83.1	83.9	84.4	84.4	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
	86.1	83.2	83.7	84.5	85.0	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
	67.6	85.4	85.8	86.6	87.1	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
	88.3	88.7	89.3	90.1	90.6	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
	70.1	89.2	89.5	90.3	90.8	90.9	91.1	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
	70.7	90.4	91.0	91.7	92.3	92.4	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
	71.3	91.0	91.5	92.4	92.9	93.0	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
	71.5	91.4	92.0	92.8	93.4	93.5	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.0
	72.2	92.4	93.0	94.0	94.6	94.6	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
	72.3	92.8	93.4	94.4	95.0	95.0	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	72.5	93.4	94.2	95.2	95.8	95.9	96.1	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4
	72.7	93.9	94.7	95.7	96.3	96.4	96.6	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
	73.2	94.6	95.4	96.5	97.1	97.2	97.4	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
	73.5	95.0	95.7	96.9	97.5	97.6	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
	73.6	95.1	95.9	97.1	97.8	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
	73.6	95.2	96.0	97.2	97.8	97.9	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5
	73.9	95.5	96.3	97.6	98.2	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	73.9	95.5	96.3	97.7	98.3	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	73.9	95.6	96.4	97.8	98.5	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
	73.9	95.6	96.4	97.8	98.5	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	73.9	95.7	96.5	98.0	98.6	98.7	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	74.1	95.8	96.6	98.2	98.9	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
	74.0	95.8	96.6	98.2	98.9	99.0	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9
	74.0	95.8	96.6	98.2	98.9	99.0	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9
	74.0	95.8	96.6	98.2	98.9	99.0	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9
	74.0	95.8	96.6	98.2	98.9	99.0	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 6396

2

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/AMC

CEILING VERSUS VISIBILITY

STATION RANGE AFB OH

73-81

ALT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-1500

39.5	72.6	73.1	73.3	73.4	73.4	73.4	73.5	73.5	73.8	73.8	73.8	73.8	73.8	74.0	74.0
41.3	75.8	79.5	79.8	80.1	80.1	80.2	80.3	80.3	80.6	80.7	80.7	80.7	80.7	81.1	81.1
41.3	75.8	79.5	79.8	80.1	80.1	80.2	80.3	80.3	80.6	80.7	80.7	80.7	80.7	81.1	81.1
41.3	79.3	87.1	80.3	80.6	80.6	80.7	80.9	81.0	81.1	81.3	81.3	81.3	81.3	81.7	81.7
42.3	84.6	81.4	81.7	81.9	81.9	82.0	82.2	82.2	82.4	82.6	82.6	82.6	82.6	83.0	83.0
44.3	84.5	85.3	85.8	86.1	86.1	86.4	86.5	86.5	86.8	86.9	86.9	86.9	86.9	87.3	87.3
44.4	84.7	85.5	86.0	86.2	86.2	86.5	86.6	86.6	86.9	87.0	87.0	87.0	87.0	87.4	87.4
45.7	85.7	86.8	87.3	87.5	87.5	87.8	87.9	87.9	88.2	88.3	88.3	88.3	88.3	88.7	88.7
45.3	86.8	87.9	88.3	88.6	88.6	88.9	89.0	89.0	89.3	89.4	89.4	89.4	89.4	89.8	89.8
45.5	87.2	88.2	88.7	89.0	89.0	89.3	89.4	89.4	89.6	89.8	89.8	89.8	89.8	90.2	90.2
45.9	88.5	89.5	90.0	90.3	90.3	90.6	90.7	90.7	91.0	91.1	91.1	91.1	91.1	91.5	91.5
45.7	86.9	89.9	90.4	90.7	90.7	91.0	91.1	91.1	91.3	91.5	91.5	91.5	91.5	91.9	91.9
46.4	91.7	91.9	92.4	92.7	92.7	93.1	93.2	93.2	93.4	93.6	93.6	93.6	93.6	94.0	94.0
46.4	91.1	92.1	92.7	92.9	92.9	93.4	93.6	93.6	93.8	94.0	94.0	94.0	94.0	94.4	94.4
46.7	91.5	92.7	93.2	93.4	93.4	94.0	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.9	94.9
46.7	91.9	93.1	93.6	93.8	93.8	94.4	94.5	94.5	94.8	94.9	94.9	94.9	94.9	95.3	95.3
47.1	92.1	93.3	93.8	94.1	94.1	94.8	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.7	95.7
47.3	92.3	93.4	94.0	94.2	94.2	94.9	95.0	95.0	95.3	95.4	95.4	95.4	95.4	95.8	95.8
47.3	92.5	93.7	94.2	94.5	94.5	95.2	95.3	95.3	95.5	95.7	95.7	95.7	95.7	96.1	96.1
47.3	92.7	93.8	94.4	94.6	94.6	95.3	95.4	95.4	95.7	95.8	95.8	95.8	95.8	96.2	96.2
47.6	93.3	94.5	95.0	95.3	95.3	95.9	96.2	96.2	96.5	96.6	96.6	96.6	96.6	97.0	97.0
47.5	93.3	94.5	95.2	95.4	95.4	96.1	96.3	96.3	96.6	96.7	96.7	96.7	96.7	97.1	97.1
47.6	93.6	95.0	95.7	95.9	95.9	96.7	97.0	97.0	97.2	97.4	97.4	97.4	97.4	97.8	97.8
47.6	93.7	95.2	96.1	96.3	96.3	97.1	97.4	97.4	97.6	97.8	97.8	97.8	97.8	98.2	98.2
47.6	94.0	95.7	96.6	96.9	96.9	97.6	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.7	98.7
47.5	94.1	95.8	97.4	97.8	97.8	98.6	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.6	99.6
47.6	94.1	95.8	97.4	97.8	97.8	98.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.7	99.7
47.6	94.1	95.8	97.4	97.8	97.8	98.7	99.0	99.0	99.3	99.5	99.5	99.5	99.5	99.9	99.9
47.6	94.1	95.8	97.4	97.9	97.9	98.8	99.1	99.1	99.5	99.6	99.6	99.6	99.6	100.0	100.0
47.6	94.1	95.8	97.4	97.9	97.9	98.8	99.1	99.1	99.5	99.6	99.6	99.6	99.6	100.0	100.0
47.6	94.1	95.8	97.4	97.9	97.9	98.8	99.1	99.1	99.5	99.6	99.6	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 763

CEILING VERSUS VISIBILITY

STATION: WASH DC MET

73-61

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

6-0-800

61.0	62.2	65.7	66.9	68.1	68.1	68.1	68.2	68.7	68.5	68.6	68.6	68.8	68.8	68.9	69.0
65.0	69.2	72.1	74.1	75.5	75.5	75.5	75.6	75.8	75.9	76.0	76.1	76.2	76.2	76.4	76.4
67.0	69.8	72.7	74.7	76.1	76.1	76.1	76.2	76.4	76.5	76.6	76.6	76.9	76.9	77.0	77.0
67.6	70.3	73.2	75.2	76.6	76.6	76.6	76.7	76.8	77.0	77.1	77.1	77.3	77.3	77.5	77.7
68.1	72.8	75.8	77.7	78.2	78.2	78.2	79.2	79.3	79.4	79.5	79.7	79.9	79.9	80.0	80.3
68.6	77.2	80.5	82.8	84.4	84.4	84.4	84.5	84.7	84.8	84.9	84.9	85.1	85.1	85.3	85.5
68.8	78.7	81.4	82.6	85.1	85.1	85.1	85.3	85.4	85.5	85.6	85.6	85.9	85.9	86.0	86.0
68.9	79.4	82.9	85.4	87.0	87.0	87.0	87.1	87.2	87.3	87.4	87.5	87.7	87.7	87.8	87.8
69.6	80.5	84.0	86.5	88.1	88.1	88.1	88.2	88.7	88.7	88.6	88.6	88.8	88.8	88.9	88.9
69.7	81.0	84.5	87.0	88.6	88.6	88.6	88.7	88.8	88.9	88.9	88.9	89.1	89.1	89.4	89.5
69.8	82.1	85.6	88.1	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
69.8	82.3	86.0	88.4	90.0	90.0	90.0	90.1	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6
69.8	83.4	87.1	89.8	91.6	91.6	91.6	91.7	92.0	92.1	92.2	92.2	92.4	92.4	92.6	92.9
69.8	84.2	88.1	91.4	93.2	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.8	93.8	94.2	94.4
69.8	84.5	88.4	91.7	93.5	93.5	93.5	93.7	93.9	94.0	94.2	94.2	94.4	94.4	94.5	94.8
69.8	84.8	88.7	92.1	94.0	94.0	94.0	94.2	94.4	94.5	94.6	94.6	94.9	94.9	95.0	95.0
69.8	84.8	88.7	92.1	94.0	94.0	94.0	94.2	94.3	94.6	94.8	94.9	94.9	95.1	95.1	95.2
69.8	84.8	88.7	92.2	94.2	94.2	94.2	94.3	94.4	94.8	94.8	94.9	95.0	95.1	95.2	95.4
69.8	84.9	88.9	92.3	94.7	94.3	94.4	94.5	94.9	95.0	95.1	95.1	95.4	95.4	95.5	95.7
69.8	84.9	88.9	92.7	94.6	94.6	94.8	94.9	95.2	95.4	95.6	95.6	95.9	95.9	96.3	96.2
69.8	85.3	89.3	93.1	95.1	95.1	95.2	95.4	95.7	95.9	96.1	96.1	96.3	96.3	96.5	96.7
69.8	85.6	89.6	93.4	95.6	95.6	96.0	96.1	96.5	96.6	96.8	96.8	97.1	97.1	97.2	97.4
69.8	85.6	89.6	93.4	95.6	95.6	96.0	96.1	96.5	96.6	96.8	96.8	97.1	97.1	97.2	97.6
69.8	85.6	89.6	93.7	95.9	95.9	96.2	96.3	96.8	97.0	97.2	97.2	97.4	97.4	97.6	97.8
69.8	85.7	89.8	93.8	96.0	96.0	96.3	96.6	97.1	97.2	97.4	97.4	97.7	97.7	97.8	98.1
69.8	86.0	90.0	94.3	96.8	96.8	97.2	97.4	97.9	98.1	98.3	98.3	98.5	98.5	98.7	98.9
69.8	86.0	90.0	94.3	96.8	96.8	97.2	97.8	98.4	98.5	98.8	98.8	99.0	99.0	99.1	99.4
69.8	86.0	90.0	94.3	96.8	96.8	97.2	98.1	98.8	98.9	99.1	99.1	99.4	99.4	99.5	99.8
69.8	86.0	90.0	94.3	96.8	96.8	97.2	98.1	98.8	98.9	99.3	99.3	99.5	99.5	99.6	100.0
69.8	86.0	90.0	94.3	96.8	96.8	97.2	98.1	98.8	98.9	99.3	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 821

FEDERAL BUREAU OF SURVEY
METAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WASHINGTON
STATE: DISTRICT OF COLUMBIA

73-91

AO

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1949-1950

12.7	58.5	69.7	69.2	69.3	69.3	69.7	69.3	69.7	69.3	69.7	69.3	69.7	69.3	69.7	69.7	69.7	69.7
59.4	76.2	77.1	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
70.3	76.8	77.7	77.9	78.3	78.3	78.3	78.3	78.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
71.3	78.1	77.7	77.2	79.6	77.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
74.2	81.2	81.1	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
75.3	85.9	85.7	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
77.4	86.4	87.2	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
77.5	88.3	87.4	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
77.7	89.4	90.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
81.3	91.5	91.2	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	92.4
82.7	90.3	91.5	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
82.4	91.8	92.5	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
87.7	91.4	92.5	93.7	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
83.2	91.5	92.7	93.8	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
83.7	91.9	93.7	94.1	94.5	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
83.4	91.1	93.3	94.5	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
83.4	92.1	93.3	94.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
87.5	92.4	93.7	94.9	95.2	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
87.7	92.7	94.1	95.3	95.7	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
84.3	93.3	94.7	96.1	96.8	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
84.3	93.3	94.7	96.1	96.8	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
84.3	93.4	94.9	96.5	97.4	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
84.3	93.4	94.9	96.5	97.4	97.5	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
84.5	94.7	95.1	96.9	97.7	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
84.5	94.1	95.7	97.5	98.3	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
84.6	94.3	95.9	97.8	98.8	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
84.6	94.3	95.9	97.8	98.8	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
84.6	94.3	95.9	97.8	98.8	99.0	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 837

CEILING VERSUS VISIBILITY

WALLA WALLA WEATHER SERVICE
ZMAC

70-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1100-1700

87.7	78.4	72.8	77.8	72.5	72.5	73.8	73.8	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
87.7	87.7	87.4	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	87.9	87.9	87.9
87.4	81.8	81.8	81.4	81.8	81.4	81.8	81.4	81.8	81.4	81.8	81.4	81.8	81.4	81.8	81.4	81.8	81.4	81.8	81.4	81.8
87.4	81.4	87.7	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
87.6	87.9	87.6	88.8	87.7	88.7	88.4	88.8	88.7	88.8	88.7	88.8	88.7	88.8	88.7	88.8	88.7	88.8	88.7	88.8	88.7
87.2	88.5	87.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
87.3	87.4	87.4	87.4	87.6	87.5	87.6	87.5	87.6	87.5	87.6	87.5	87.6	87.5	87.6	87.5	87.6	87.5	87.6	87.5	87.6
87.7	87.7	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
87.7	87.2	84.7	84.0	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
87.7	87.2	84.7	84.8	85.3	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
87.4	84.1	86.1	86.6	86.2	86.7	86.7	86.3	86.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
87.4	84.7	86.7	86.3	87.0	87.0	87.0	87.0	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
87.8	84.8	86.8	86.5	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
87.7	85.4	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
87.7	86.9	87.1	87.8	87.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
88.7	86.9	87.7	87.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
88.2	87.0	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
88.7	88.3	87.5	88.2	88.7	88.3	88.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
88.7	88.3	87.8	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
88.2	88.3	87.6	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
88.7	88.3	87.5	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
88.7	88.3	87.5	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
88.2	88.3	87.5	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6

TOTAL NUMBER OF OBSERVATIONS 1100-1700

U.S. AIR FORCE
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

UNIT: METERS
TIME: 0000-0100

70-97

40

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1310-0000

0-100	74.7	75.5	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	77.5	77.5	77.5
100-1000	77.7	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	87.1	87.1
1000-1500	81.1	81.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1500-2000	83.3	84.5	85.2	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2000-2500	85.7	88.6	89.4	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2500-3000	86.3	88.6	89.4	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
3000-3500	87.3	89.6	91.4	91.7	92.0	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
3500-4000	87.7	91.3	92.1	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
4000-4500	87.8	92.5	93.7	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	94.4
4500-5000	87.8	92.7	93.5	94.0	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	94.5	94.5
5000-5500	87.4	93.5	94.9	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
5500-6000	87.4	93.7	95.1	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	97.0
6000-6500	87.1	93.8	96.9	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
6500-7000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
7000-7500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
7500-8000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
8000-8500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
8500-9000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
9000-9500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
9500-10000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
10000-10500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
10500-11000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
11000-11500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
11500-12000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
12000-12500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
12500-13000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
13000-13500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
13500-14000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
14000-14500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
14500-15000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
15000-15500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
15500-16000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
16000-16500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
16500-17000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
17000-17500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
17500-18000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
18000-18500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
18500-19000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
19000-19500	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
19500-20000	87.1	94.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 875

CEILING VERSUS VISIBILITY

2

UNITED STATES AIR FORCE AFB
 METEOROLOGICAL BRANCH

73-71

AL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

75.7	71.3	73.7	72.3	72.5	70.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
75.6	73.7	79.7	83.0	82.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5
77.6	78.8	79.7	87.0	87.7	80.3	87.3	80.4	87.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
80.7	79.1	80.7	87.4	87.6	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
81.8	87.3	80.9	81.2	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8
83.2	82.1	83.7	87.4	83.7	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0
85.7	86.4	87.4	88.0	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7
86.1	86.7	87.8	88.3	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
87.3	88.2	88.4	90.0	89.4	90.4	90.5	91.5	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.8
87.3	88.7	89.8	90.9	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
87.6	89.1	91.7	91.9	91.3	91.3	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7
89.3	90.3	91.4	92.1	92.5	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.9
89.4	90.5	91.7	92.3	92.7	92.7	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1
89.7	91.6	92.8	93.5	93.9	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.4
89.4	93.1	93.4	94.2	94.7	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.2
89.8	92.8	94.2	95.0	95.5	95.5	95.6	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9
89.9	93.1	94.4	95.3	95.8	95.8	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.3
90.1	93.3	94.7	95.6	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.7
90.1	93.4	94.8	95.7	96.2	96.2	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8
90.2	93.7	95.1	96.0	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.2
90.3	93.9	95.3	96.3	96.8	96.8	96.9	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.5
90.4	94.2	95.7	96.7	97.4	97.5	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.1
90.4	94.3	95.7	96.8	97.5	97.5	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2
90.5	94.4	95.9	97.0	97.8	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6
90.6	94.6	96.1	97.3	98.1	98.1	98.4	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9
90.6	94.8	96.3	97.6	98.3	98.4	98.8	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2
90.6	94.9	96.5	97.8	98.6	98.7	99.0	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.5	99.5
90.6	95.0	96.6	98.0	98.9	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8
90.6	95.0	96.6	98.0	98.9	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
90.6	95.0	96.6	98.0	98.9	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
90.6	95.0	96.6	98.0	98.9	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
90.6	95.0	96.6	98.0	98.9	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5416

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

101631 VANCE AFB TX

73-81

55

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-0000

33.7	73.7	71.4	72.3	72.6	72.8	72.8	73.3	73.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
35.1	75.1	77.4	77.8	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
36.3	76.4	77.7	78.1	78.6	78.6	78.6	79.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
36.5	76.6	77.8	78.2	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
36.8	77.5	78.8	79.2	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
37.4	79.5	80.7	81.1	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
38.7	83.5	84.9	85.6	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
39.7	83.8	85.2	85.9	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
39.7	84.3	85.9	86.5	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
39.7	85.2	86.7	87.4	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
39.7	85.3	86.8	87.5	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
39.8	85.6	87.1	87.9	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
39.9	86.3	88.1	88.9	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
40.5	87.2	89.3	91.3	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
40.7	87.8	90.5	91.0	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
41.5	88.9	91.1	92.1	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
42.7	90.0	92.2	93.2	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
42.0	90.0	92.4	93.3	93.9	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
42.0	90.0	92.4	93.3	93.9	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
42.3	91.3	92.6	93.6	94.2	94.2	94.2	94.3	94.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
42.6	91.7	93.1	94.0	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
42.6	92.7	93.1	94.0	94.6	94.6	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
42.6	93.7	93.1	94.0	94.6	94.6	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
42.6	93.8	93.1	94.5	95.0	95.0	95.0	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
42.6	94.1	93.5	94.6	95.1	95.1	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
42.7	92.1	94.6	95.7	96.3	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
42.7	92.4	94.9	96.1	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
42.7	92.6	95.3	96.8	97.9	97.9	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
42.7	93.1	96.7	97.8	99.0	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
42.7	93.1	96.7	97.8	99.0	99.0	99.0	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
42.7	93.1	96.7	97.8	99.0	99.0	99.0	99.2	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9
42.7	93.1	96.7	97.8	99.0	99.0	99.0	99.2	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 721

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

CEILING VERSUS VISIBILITY

2

STATION WANCE AFB OK

73-91

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

2610-0800

CEILING	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
100	39.4	53.3	55.2	57.2	58.3	59.4	59.2	59.7	60.1	60.4	60.6	60.6	60.6	60.6	60.8	61.2						
110	41.5	56.3	57.9	60.3	61.6	61.7	62.6	63.1	63.5	63.9	64.0	64.0	64.0	64.0	64.3	64.7						
120	41.5	56.3	57.9	60.3	61.6	61.7	62.6	63.1	63.5	63.9	64.0	64.0	64.0	64.0	64.3	64.7						
130	41.5	56.1	58.0	60.4	61.7	61.8	62.7	63.3	63.6	64.0	64.1	64.1	64.1	64.1	64.4	64.8						
140	42.4	57.5	59.5	62.1	63.4	63.5	64.4	64.9	65.3	65.7	65.8	65.8	65.8	65.8	66.1	66.5						
150	43.7	59.7	61.7	64.4	65.7	65.8	66.8	67.5	68.0	68.4	68.5	68.5	68.5	68.5	68.8	69.1						
160	45.7	63.6	65.8	68.5	69.9	70.0	71.3	72.0	72.6	73.0	73.1	73.1	73.1	73.1	73.4	73.8						
170	46.1	64.1	66.3	69.0	70.4	70.6	71.8	72.5	73.1	73.5	73.6	73.6	73.6	73.6	73.9	74.3						
180	47.7	67.1	69.7	72.5	74.3	74.4	75.9	76.7	77.3	77.7	77.8	77.8	77.8	77.8	78.1	78.5						
190	49.7	68.4	71.9	74.0	75.9	76.1	77.6	78.4	79.1	79.4	79.5	79.5	79.5	79.5	79.8	80.2						
200	48.3	69.3	71.8	74.9	76.8	77.0	78.5	79.3	79.9	80.3	80.5	80.5	80.5	80.5	80.8	81.2						
210	49.3	70.4	73.2	76.3	78.2	78.4	80.0	80.8	81.4	81.8	82.1	82.1	82.1	82.1	82.3	82.7						
220	49.7	71.2	74.1	77.2	79.1	79.3	81.2	81.9	82.6	83.0	83.2	83.2	83.2	83.2	83.5	83.9						
230	49.9	71.4	74.4	77.5	79.5	79.6	81.6	82.3	83.2	83.6	83.9	83.9	83.9	83.9	84.1	84.5						
240	47.9	71.7	74.5	77.7	79.8	79.9	81.8	82.6	83.5	83.9	84.1	84.1	84.1	84.1	84.4	84.8						
250	50.6	72.7	75.7	78.7	80.9	81.0	83.1	84.0	84.9	85.3	85.5	85.5	85.5	85.5	85.8	86.2						
260	51.3	73.5	76.6	79.6	81.8	81.9	84.1	85.0	85.9	86.3	86.6	86.6	86.6	86.6	86.8	87.2						
270	52.3	74.3	77.3	80.4	82.6	82.7	84.9	85.8	86.7	87.1	87.3	87.3	87.3	87.3	87.6	88.0						
280	52.1	74.5	77.6	80.8	83.0	83.1	85.3	86.2	87.1	87.5	87.7	87.7	87.7	87.7	88.0	88.3						
290	52.4	75.0	78.1	81.3	83.5	83.6	85.8	86.7	87.6	88.0	88.2	88.2	88.2	88.2	88.5	88.9						
300	52.4	75.2	78.4	81.7	83.9	84.0	86.2	87.1	88.0	88.3	88.6	88.6	88.6	88.6	88.9	89.2						
310	52.5	75.7	79.0	82.5	84.6	84.8	86.9	88.0	88.9	89.2	89.5	89.5	89.5	89.5	89.8	90.1						
320	52.5	75.8	79.1	82.6	84.8	84.9	87.1	88.2	89.1	89.5	89.8	89.8	89.8	89.8	90.0	90.4						
330	52.6	76.2	79.5	83.1	85.3	85.5	87.7	88.9	89.8	90.1	90.4	90.4	90.4	90.4	90.7	91.0						
340	52.3	76.6	79.9	83.5	85.7	85.9	88.1	89.2	90.1	90.5	90.8	90.8	90.8	90.8	91.2	91.5						
350	52.9	76.7	80.0	83.7	85.9	86.2	88.3	89.5	90.7	91.0	91.3	91.3	91.4	91.4	91.8	92.2						
360	53.0	77.0	80.3	84.1	86.3	86.6	88.9	90.1	91.3	91.7	91.9	91.9	91.9	92.1	92.4	93.0						
370	53.1	77.2	80.7	84.8	87.1	87.5	90.0	91.7	93.1	93.5	93.7	93.7	93.9	93.9	94.4	95.0						
380	53.1	77.2	80.7	85.1	87.5	87.8	90.7	92.3	94.0	94.6	94.9	94.9	95.0	95.0	95.5	96.3						
390	53.1	77.3	80.8	85.3	87.6	88.0	90.8	92.8	94.8	95.5	95.9	95.9	96.3	96.3	96.8	97.7						
400	53.1	77.3	80.8	85.3	87.6	88.0	90.8	92.8	94.9	95.6	96.0	96.0	96.8	96.8	97.7	99.2						
410	53.1	77.3	80.8	85.3	87.6	88.0	90.8	92.8	94.9	95.6	96.0	96.0	96.8	96.9	97.7	100.0						

TOTAL NUMBER OF OBSERVATIONS 781

GENERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

2

STATION WACE AFB TX
 PERIOD 1951-1955

71-61

SEP

PERCENTAGE OF OCCURRENCE
 FROM TOTAL OBSERVATION

800-1107

65.4	65.6	61.5	52.7	50.1	47.1	42.7	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
65.4	65.9	66.7	67.3	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	67.5	67.5
65.7	66.4	67.2	67.9	67.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
61.7	69.8	69.5	77.7	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
61.7	69.8	71.6	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
64.7	74.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
64.7	74.5	75.7	76.2	75.7	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
65.7	76.2	77.4	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
67.0	77.6	79.9	79.7	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
67.4	78.2	79.4	80.4	80.9	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
67.4	79.2	81.5	81.8	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.5	79.3	81.7	82.5	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
68.9	80.3	81.8	83.0	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
69.5	81.0	82.5	83.8	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
70.7	81.5	83.7	84.4	85.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
70.8	82.4	83.9	85.4	86.1	86.1	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
70.8	82.4	83.9	85.4	86.1	86.1	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
71.7	83.6	85.1	86.9	87.6	87.6	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
72.1	84.8	86.2	88.5	89.7	88.7	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
72.7	85.9	87.4	89.5	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
72.7	86.2	87.7	90.0	90.7	90.8	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
73.1	86.6	89.2	91.8	91.6	91.7	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
73.5	87.6	89.3	92.2	92.9	93.1	93.7	93.7	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
73.9	88.0	89.7	92.8	93.7	93.8	94.4	94.8	95.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
73.9	88.0	90.0	93.2	94.3	94.4	95.2	95.7	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
73.9	88.7	92.1	93.9	95.3	95.4	96.2	96.9	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
73.9	88.7	92.2	94.1	95.4	95.5	96.5	97.6	98.9	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
73.9	88.1	92.2	94.2	95.5	95.7	96.7	97.8	99.7	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
73.9	88.1	92.2	94.2	95.5	95.7	96.7	97.8	99.7	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
73.9	88.1	92.2	94.2	95.5	95.7	96.7	97.8	99.7	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 807

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

CEILING VERSUS VISIBILITY

WORLD HEADQUARTERS
WASH DC

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING	64.3	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
64.3	64.3	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
65.8	72.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
66.0	72.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
66.1	72.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
66.2	73.9	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
66.3	75.9	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
66.4	79.9	81.3	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
66.5	80.3	82.1	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
66.6	81.8	83.6	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
66.7	82.4	84.2	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
66.8	82.6	84.5	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
66.9	83.1	85.1	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
67.0	83.3	85.1	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
67.1	84.7	85.9	86.5	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
67.2	84.5	86.5	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
67.3	85.5	87.5	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
67.4	86.0	88.7	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
67.5	87.0	89.2	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
67.6	87.3	89.6	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
67.7	89.2	91.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
67.8	90.2	92.5	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
67.9	90.8	93.2	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
68.0	91.8	93.2	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
68.1	91.2	93.7	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
68.2	91.8	94.4	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
68.3	92.1	94.8	97.4	98.0	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	98.1
68.4	92.3	95.2	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
68.5	92.3	95.2	98.0	98.6	98.6	98.6	98.6	98.6	98.6	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
68.6	92.4	95.3	98.1	98.8	98.8	98.8	98.8	98.8	98.8	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
68.7	92.4	95.3	98.1	98.8	98.8	98.8	98.8	98.8	98.8	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
68.8	92.4	95.3	98.1	98.8	98.8	98.8	98.8	98.8	98.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
68.9	92.4	95.3	98.1	98.8	98.8	98.8	98.8	98.8	98.8	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

FEDERAL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

STATION WANDA AFB OK

73-51

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

15.0-17.0

67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
68.5	74.6	76.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
68.5	74.6	76.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
69.8	74.9	76.4	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
71.3	76.8	78.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
72.7	78.3	79.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
74.1	82.9	84.5	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
74.9	83.7	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
75.5	84.3	85.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
76.7	84.4	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
77.9	85.0	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
78.6	85.7	87.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
79.7	86.4	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
80.7	87.9	90.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
81.4	89.3	91.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
82.8	89.7	92.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
83.8	89.8	92.4	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
84.3	90.3	92.9	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
85.7	91.0	93.6	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
86.3	92.1	94.8	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
87.7	92.5	95.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
88.7	92.5	95.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
89.8	92.6	95.4	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
90.8	93.1	95.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
91.9	93.3	96.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
92.0	93.5	96.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
93.0	93.5	96.4	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.0	93.5	96.4	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.0	93.5	96.4	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.0	93.5	96.4	99.1	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 672

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: RANDOLPH AFB TX
PERIOD: 1957-1958

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

64.1	67.5	70.9	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
64.4	73.0	79.1	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
64.4	73.7	79.1	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
64.5	78.1	79.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
64.7	77.1	87.1	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
61.1	81.4	82.5	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
62.5	84.4	85.5	86.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
63.7	85.1	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
63.5	86.5	88.7	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
67.7	87.3	89.5	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
64.5	88.1	89.3	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
64.7	86.6	89.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
65.4	89.5	90.7	92.0	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
66.3	90.3	91.5	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
66.7	90.4	91.5	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
66.5	91.2	92.5	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
66.8	92.0	93.5	94.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
66.9	92.5	94.0	95.3	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
67.1	93.1	94.5	95.8	95.1	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
67.5	94.2	95.7	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
67.7	94.4	95.9	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
67.8	94.6	96.2	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
67.8	94.8	96.7	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
67.8	94.9	96.5	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
67.8	95.0	96.7	98.0	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
67.7	95.5	97.3	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
67.7	95.7	97.5	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
67.7	95.7	97.5	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
67.7	95.7	97.5	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.7	95.7	97.5	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.7	95.7	97.5	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.9	95.7	97.5	99.2	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 764

FEDERAL CLIMATOLOGY BRANCH
WUSTLAC
METEOROLOGICAL WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME: WUSTLAC

YEAR: 1951

MONTH: SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

70.5	74.5	75.5	75.7	77.5	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
42.7	77.3	87.1	87.2	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
42.7	77.3	87.1	87.2	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
42.7	77.3	87.1	87.2	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
42.4	74.8	87.5	87.6	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
42.4	74.8	87.5	87.6	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
43.4	74.8	85.5	85.5	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
43.4	74.8	85.5	85.5	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
44.4	76.7	87.5	87.7	87.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
44.4	76.7	87.5	87.7	87.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
44.7	87.1	87.9	88.1	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
44.7	87.1	87.9	88.1	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
45.4	88.1	88.9	89.1	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
45.4	88.1	88.9	89.1	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
45.7	88.9	89.7	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
45.7	88.9	89.7	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
46.1	91.1	91.1	91.2	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
46.1	91.1	91.1	91.2	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
46.5	91.2	92.4	92.5	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
46.5	91.2	92.4	92.5	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
46.6	91.6	92.8	93.0	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
46.6	91.6	92.8	93.0	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
47.4	93.8	94.7	94.2	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
47.4	93.8	94.7	94.2	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
47.4	93.7	94.2	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
47.4	93.7	94.2	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
47.4	93.0	94.2	94.3	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
47.4	93.0	94.2	94.3	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
47.7	93.5	94.7	94.9	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
47.7	93.5	94.7	94.9	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
47.7	93.5	94.7	94.9	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
47.8	94.3	95.2	96.1	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
47.8	94.3	95.2	96.1	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
48.5	95.8	97.7	97.6	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
48.5	95.8	97.7	97.6	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
48.5	96.1	97.6	97.8	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
48.5	96.1	97.6	97.8	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
48.5	96.1	97.7	98.0	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
48.5	96.1	97.7	98.0	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
48.5	96.7	98.4	98.6	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.5	96.7	98.4	98.6	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.5	96.3	98.4	98.6	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
48.5	96.3	98.4	98.6	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 773

SAFETY

FEDERAL CLIMATOLOGY BRANCH
METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION: WASHINGTON METEOROLOGICAL SERVICE

1951

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

67.1	67.5	67.6	67.3	67.7	67.7	67.9	67.9	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	71.3	72.5	73.3	73.8	73.8	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
71.3	71.4	72.6	73.5	73.9	74.0	74.1	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
71.5	71.5	72.8	73.6	74.0	74.1	74.2	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
72.1	72.8	74.1	74.9	75.4	75.4	75.6	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
72.3	74.7	75.0	76.9	77.4	77.4	77.6	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
74.5	75.7	81.0	81.3	81.5	81.6	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
74.7	79.0	81.0	81.6	82.1	82.2	82.4	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
75.7	81.7	82.4	83.4	84.1	84.1	84.4	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
81.0	81.4	83.1	84.2	84.8	84.9	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
81.7	82.1	83.4	84.9	85.5	85.6	85.8	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
81.9	82.7	84.5	85.7	86.3	86.3	86.6	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
82.7	83.3	85.1	86.3	87.1	87.1	87.3	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
82.8	84.1	85.0	87.2	87.9	88.1	88.3	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
83.1	84.5	85.4	87.7	88.4	88.5	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
83.3	85.4	87.4	88.8	89.5	89.5	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
83.7	85.1	88.1	89.5	90.2	90.3	90.7	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
83.8	86.6	88.7	90.1	90.9	90.9	91.3	91.5	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
83.9	86.7	89.3	90.4	91.2	91.2	91.7	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
84.3	87.3	89.9	91.4	92.1	92.2	92.6	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
84.7	88.4	90.5	92.1	92.8	92.9	93.3	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
85.4	88.9	90.9	92.6	93.4	93.4	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
85.4	89.9	91.0	92.7	93.5	93.6	94.0	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
85.5	89.2	91.4	93.3	94.1	94.2	94.6	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
85.7	89.6	91.9	93.9	94.7	94.8	95.3	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
85.8	90.1	92.5	94.6	95.5	95.5	96.0	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
86.0	90.3	92.7	94.9	95.9	95.9	96.4	96.6	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
86.1	90.4	92.9	95.3	96.4	96.5	97.0	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
86.2	90.5	93.1	95.7	96.9	97.1	97.6	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
86.3	90.6	93.2	95.7	96.9	97.2	97.7	98.3	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
86.4	90.5	93.2	95.7	96.9	97.0	97.7	98.3	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
86.5	90.6	93.2	95.7	96.9	97.0	97.7	98.3	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 6151

FEDERAL CLIMATOLOGY BRANCH
METEOROLOGICAL SERVICE ZMAG

CEILING VERSUS VISIBILITY

WINDS AND WEATHER SERVICE ZMAG

73-1

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-3200

37.4	70.9	77.9	73.0	73.9	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.6
37.5	75.4	74.1	76.1	76.4	75.4	76.8	76.8	76.6	76.6	76.6	76.6	76.6	76.8	76.8	76.8	77.2
37.6	75.6	76.2	76.2	74.5	75.5	76.8	76.8	76.9	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.3
37.8	70.6	76.2	76.2	74.5	75.5	76.9	76.9	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.3
37.9	75.5	74.5	76.5	76.3	76.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.2	77.2	77.2	77.6
37.3	76.6	77.5	77.3	77.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	79.7	79.7	79.7	78.4
37.1	72.3	74.5	75.9	76.2	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	80.0
37.1	73.3	73.9	79.9	77.2	79.2	77.5	79.5	79.5	79.5	79.5	79.5	79.5	77.6	77.6	79.6	80.0
37.5	70.5	81.5	81.5	81.7	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.1	82.1	82.1	82.6
37.3	81.7	81.7	82.8	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.9
37.3	81.7	82.8	83.1	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	84.1
37.5	83.2	84.2	84.3	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.4
37.5	83.2	84.3	84.3	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.4
37.7	85.1	86.7	87.2	88.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.7
37.7	85.1	86.7	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1	88.1	88.1	88.6
37.1	87.3	87.2	87.4	88.1	88.1	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.5	88.5	88.5	88.9
37.5	87.2	88.3	88.3	88.1	87.1	88.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.9
37.6	88.2	89.7	89.8	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	92.1
37.6	88.2	89.7	89.8	91.1	91.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.4
37.6	88.5	91.6	91.9	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	93.7
37.7	90.3	91.4	91.8	91.4	92.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	94.1
37.7	91.0	92.5	92.9	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.6
37.7	91.4	92.9	93.3	95.7	95.0	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	96.1
37.7	91.4	92.9	93.3	95.7	95.0	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	96.1
37.7	91.5	92.7	93.4	95.2	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	96.2
37.7	91.7	92.2	93.6	95.3	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	96.4
37.7	91.5	92.3	93.7	95.7	95.7	96.1	96.2	96.4	96.5	96.5	96.5	96.5	96.6	96.6	96.6	97.1
37.7	92.3	94.7	94.5	96.2	96.9	97.2	97.7	99.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.9
37.7	92.3	94.7	94.5	96.2	96.9	97.3	97.9	99.1	98.5	98.8	98.8	98.8	98.9	98.9	98.9	99.6
37.7	92.3	94.7	94.5	96.9	96.9	97.7	97.9	98.1	98.5	98.8	98.8	98.8	99.1	99.1	99.1	99.7
37.7	92.3	94.7	94.5	96.9	96.9	97.3	97.9	98.1	98.5	98.8	98.8	98.8	99.1	99.1	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 740

CLIMATE BUREAU

DEPARTMENT OF METEOROLOGY

WINDY BEACH

70-81

81

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

47.7	63.1	67.3	64.7	65.5	67.5	66.7	65.2	64.7	66.9	66.9	66.8	66.8	65.2	65.2	66.8	67.7
48.7	65.5	67.8	68.1	69.1	69.5	69.4	69.7	69.9	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
49.7	65.5	66.7	68.2	68.2	69.4	69.4	69.8	69.9	70.2	70.7	70.9	70.8	70.8	70.8	70.8	70.8
51.7	67.8	67.1	68.8	69.5	69.8	69.9	70.2	70.7	70.9	71.3	71.7	71.5	71.3	71.7	71.7	71.7
51.5	67.4	67.6	69.1	70.0	70.3	70.4	70.7	70.9	71.3	71.7	71.5	71.3	71.7	71.7	71.7	71.9
52.7	68.4	69.2	70.2	71.1	71.4	71.5	71.8	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
53.7	71.6	71.9	73.6	74.7	75.0	75.1	75.3	75.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
54.7	73.4	73.8	74.5	75.6	75.8	76.1	76.2	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
55.7	73.9	74.1	76.5	77.1	77.3	77.4	77.7	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
55.7	75.7	75.8	77.1	78.3	78.5	78.7	78.9	79.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
56.7	75.6	75.8	77.7	78.9	79.2	79.3	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
57.7	77.2	77.5	78.4	80.6	81.9	81.7	81.3	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
57.7	77.6	77.9	79.8	81.7	81.5	81.4	81.5	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
57.7	79.2	79.7	80.6	81.9	82.1	82.4	82.6	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
57.5	78.7	79.2	81.1	82.4	82.6	82.9	83.4	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
58.7	79.4	79.9	81.9	83.1	83.4	83.6	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
58.7	79.8	80.2	82.2	83.5	83.7	84.1	84.7	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
59.7	81.1	81.8	84.2	85.3	85.6	86.1	86.8	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
59.7	81.4	82.7	84.2	85.6	85.8	86.3	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
59.7	83.1	83.7	86.3	87.7	87.9	88.4	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
59.7	83.5	84.2	87.1	88.5	88.8	89.7	90.4	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
59.7	83.7	84.7	87.5	89.0	89.3	89.8	90.9	91.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
59.7	84.7	84.8	87.6	89.7	89.5	90.7	91.2	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
59.7	84.5	85.3	88.3	89.9	90.1	90.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
59.7	84.7	85.4	89.7	90.3	90.5	91.2	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
59.7	85.0	85.8	89.8	90.8	90.9	91.1	92.0	93.5	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2
59.7	85.7	84.7	89.4	91.4	91.6	92.8	94.6	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
59.7	85.8	85.8	89.9	91.1	92.4	93.7	95.7	96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
59.7	85.6	86.7	90.5	92.7	92.6	94.7	96.1	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
59.7	85.6	86.7	90.1	92.4	92.7	94.2	96.3	96.8	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0
59.7	85.6	86.7	90.1	92.4	92.7	94.2	96.4	96.9	97.7	98.2	98.2	98.4	98.4	98.4	98.4	98.4
59.7	85.6	86.7	90.1	92.4	92.7	94.2	96.4	96.9	97.7	98.2	98.2	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 811

CLIMATE BUREAU DEPARTMENT OF METEOROLOGY WINDY BEACH

GENERAL CLIMATOLOGY BRANCH
UNITED STATES AIR FORCE
METEOROLOGICAL SERVICE/WHAC

CEILING VERSUS VISIBILITY

STATION: MDC AFB TX
PERIOD: 1953-1954

73-31

051

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

010-117

63.4	64.5	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.7	65.7	66.0
65.7	66.3	66.7	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
66.7	66.7	66.7	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	66.4
66.7	66.4	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
67.7	69.7	71.7	70.0	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
69.2	71.1	71.6	72.3	72.0	72.0	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
70.7	74.1	74.6	75.3	75.4	75.4	75.4	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
70.5	74.9	75.7	76.4	76.5	76.5	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
71.5	75.1	77.7	77.8	78.0	78.0	78.0	78.0	78.1	78.3	78.2	78.2	78.2	78.2	78.2	78.2	78.2
72.7	77.3	78.3	79.2	79.3	79.3	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
73.1	77.0	78.9	79.8	79.9	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
73.4	78.4	79.4	80.2	80.4	80.4	80.4	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
73.7	79.7	81.1	81.0	81.2	81.2	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
74.3	80.2	81.4	82.3	82.5	82.5	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
74.7	80.7	82.0	82.9	83.1	83.3	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
75.7	81.2	82.8	83.7	84.2	84.3	84.3	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
76.7	81.9	84.5	85.5	86.1	86.1	86.1	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
76.5	82.9	84.5	85.7	85.1	85.3	85.3	85.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
76.5	84.0	85.9	87.7	84.4	85.6	85.6	85.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
77.5	85.4	87.7	89.3	90.1	90.2	90.2	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
78.1	86.1	88.1	91.6	92.7	92.8	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
78.7	86.5	88.6	91.4	93.0	93.1	93.1	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
79.4	86.7	89.8	91.7	93.5	93.5	93.5	93.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
79.7	87.3	89.4	92.4	94.2	94.5	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
79.7	88.7	91.5	93.1	95.1	95.5	95.5	95.5	96.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
79.7	88.3	91.5	93.7	95.7	96.1	97.1	97.1	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
79.7	89.4	92.5	94.0	96.0	96.5	97.6	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
79.7	88.4	91.5	94.0	96.0	96.5	97.6	98.1	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
79.7	89.4	92.5	94.0	96.0	96.5	97.6	98.1	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
79.7	88.4	92.5	94.0	96.0	96.5	97.6	98.1	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 67

CEILING VERSUS VISIBILITY

2

STATION: OTTAWA

1951

1951

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

66.7	67.0	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
70.9	71.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
74.1	74.2	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
74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
75.2	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	75.6
77.3	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
77.4	77.4	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
78.1	78.3	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
79.9	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
80.2	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
80.9	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
81.7	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	81.8	81.8
81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
82.5	82.5	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
84.3	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
85.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
87.7	87.7	89.9	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
89.9	89.9	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
90.5	91.1	92.3	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
91.1	92.4	93.6	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
91.5	93.1	94.7	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
92.2	93.8	95.4	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
92.3	94.1	95.7	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
93.8	94.6	96.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
94.9	94.9	96.4	97.4	97.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
95.3	95.3	96.8	98.0	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
95.3	95.3	97.0	98.2	98.3	98.4	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
95.3	95.3	97.0	98.2	98.3	98.4	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
95.3	95.3	97.0	98.2	98.3	98.4	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
95.3	95.3	97.0	98.2	98.3	98.4	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 831

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

STATION: WANCE AFB OK

73-81

OCY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1900-1700

65.5	69.2	70.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
71.8	76.7	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
72.2	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
72.3	77.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
72.3	77.4	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
72.8	78.4	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
74.8	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
75.1	81.3	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
76.3	83.7	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
76.7	83.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
77.7	84.2	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
77.4	84.9	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
77.5	85.0	85.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
77.8	85.5	86.7	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	87.3	87.3
78.5	86.3	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
79.3	87.2	88.8	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	89.6	89.6
80.4	89.3	90.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
80.7	90.6	92.4	93.3	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
80.7	90.7	92.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
80.8	91.4	93.2	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
81.7	92.3	93.8	94.8	95.0	95.0	95.0	95.0	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
81.3	92.4	94.3	95.5	96.0	96.0	96.0	96.0	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
81.3	92.5	94.4	95.8	96.3	96.3	96.3	96.3	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
81.4	92.9	94.9	96.3	96.9	96.9	96.9	96.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
81.4	93.2	95.3	96.6	97.3	97.3	97.3	97.3	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
81.4	93.3	95.4	96.7	97.8	97.8	97.8	97.8	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
81.4	93.5	95.5	96.9	97.9	97.9	97.9	97.9	98.1	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
81.4	93.5	95.6	97.1	98.3	98.3	98.3	98.3	98.7	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
81.4	93.6	95.6	97.1	98.3	98.3	98.3	98.3	98.7	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
81.4	93.6	95.6	97.1	98.3	98.3	98.3	98.3	98.7	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 627

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

CEILING VERSUS VISIBILITY

2

STATION NAME: WASHINGTON AFB, DC

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1950-1959

CEILING	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0
73.3	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0
73.4	56.7	78.0	78.5	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
73.5	56.9	78.7	78.5	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
73.6	56.7	78.2	78.7	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
73.7	57.4	79.7	81.2	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
73.8	58.4	81.7	83.3	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
73.9	58.7	81.9	82.6	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
74.0	58.3	83.9	84.6	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
74.1	59.8	84.4	85.2	85.4	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
74.2	59.9	84.7	85.4	85.7	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
74.3	57.3	85.2	85.9	86.2	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
74.4	57.6	87.2	88.7	88.4	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
74.5	57.4	88.7	88.9	89.3	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
74.6	51.6	88.3	89.2	89.5	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
74.7	51.5	89.5	90.7	91.7	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
74.8	52.3	91.8	93.1	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
74.9	52.3	91.9	93.3	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
75.0	52.3	92.0	93.4	94.5	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
75.1	52.3	92.2	93.5	94.6	95.7	95.3	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
75.2	52.3	93.1	94.4	95.5	95.9	95.9	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
75.3	52.3	93.2	94.5	95.6	96.0	96.0	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
75.4	52.4	93.3	94.7	95.8	96.1	96.1	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
75.5	52.4	93.4	94.8	95.9	96.3	96.3	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
75.6	52.4	93.5	94.9	96.0	96.8	96.8	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
75.7	52.4	93.6	95.0	96.1	96.9	96.9	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
75.8	52.4	93.9	95.3	96.4	97.5	97.5	97.9	97.9	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
75.9	52.4	94.0	95.4	96.9	98.1	98.1	98.5	98.5	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
76.0	52.4	94.0	95.4	96.9	98.1	98.1	98.5	98.5	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
76.1	52.4	94.0	95.4	96.9	98.1	98.1	98.5	98.5	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
76.2	52.4	94.0	95.4	96.9	98.1	98.1	98.5	98.5	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 803

FEDERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

100-10 WANCE AFB OK

73-81

207

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1100-2300

41.4	75.7	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.5	76.5	76.5	76.5
43.7	77.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.6	80.6	80.6	80.6
43.7	77.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.6	80.6	80.6	80.6
43.7	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.8	80.8	80.8	80.8
44.7	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.9	81.9	81.9	81.9
44.5	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.2	83.2	83.2	83.2
44.9	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.4	84.4	84.4	84.4
45.1	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.4	85.4	85.4	85.4
45.1	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7
45.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.5
45.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.5
46.1	87.1	87.5	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3
46.1	87.1	87.5	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.3	88.3	88.3	88.3
46.4	87.9	88.3	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.1	89.1	89.1	89.1
46.7	89.5	89.9	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.9	90.9	90.9	90.9
47.1	90.1	90.6	90.9	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.8	91.8	91.8	91.8
47.1	90.4	90.9	91.2	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.5	92.5	92.5	92.5
47.3	91.5	92.1	92.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	94.3	94.3	94.3	94.3
47.3	92.1	92.6	93.1	94.3	94.3	94.5	94.5	94.7	94.7	94.7	94.7	95.1	95.1	95.1	95.1
47.3	92.7	93.2	93.6	94.9	95.2	95.4	95.4	95.6	95.6	95.6	95.6	96.0	96.0	96.0	96.0
47.3	93.1	93.6	94.1	95.3	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.4	96.4	96.4	96.4
47.3	93.2	93.8	94.3	95.4	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5
47.3	93.8	94.3	94.8	96.1	96.2	96.5	96.5	96.6	96.6	96.6	96.6	97.0	97.0	97.0	97.0
47.3	93.8	94.3	94.8	96.1	96.4	96.6	96.6	96.7	96.9	96.9	96.9	97.3	97.3	97.3	97.3
47.3	93.8	94.3	94.8	96.1	96.5	96.7	97.0	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5
47.3	93.9	94.4	95.6	97.0	97.3	97.5	97.7	97.8	97.9	98.2	98.2	98.6	98.6	98.6	98.6
47.3	93.9	94.4	95.6	97.0	97.3	97.5	97.7	97.8	97.9	98.2	98.2	98.6	98.6	98.6	98.6
47.3	93.9	94.4	95.6	97.0	97.3	97.5	97.7	97.8	97.9	98.2	98.2	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

769

FEDERAL CLIMATOLOGY BRANCH
WAFB ETAC
AF WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

WAFB ETAC WAFB AFB TX
1953

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

1.5	69.5	70.5	70.3	70.5	70.5	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	71.1
4.6	73.9	74.3	74.6	74.8	74.9	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.5
74.7	74.1	74.5	74.9	75.1	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.7	75.9
74.2	74.3	74.8	75.1	75.3	75.3	75.4	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.9	75.9
75.1	74.2	75.0	75.4	75.6	75.6	75.7	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.3	76.3
75.7	75.7	76.2	76.6	76.8	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.5	77.5
77.3	77.9	78.4	78.8	79.1	79.1	79.2	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.8	79.8
78.2	78.2	78.8	79.2	79.5	79.5	79.6	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	80.1	80.1
79.1	79.8	80.4	80.9	81.1	81.2	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.9	81.9
80.6	80.6	81.3	81.8	82.1	82.1	82.2	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.8	82.8	82.8
81.8	81.1	81.8	82.3	82.6	82.6	82.7	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.3	83.3	83.3
82.1	81.9	82.6	83.2	83.5	83.5	83.6	83.7	83.7	83.8	83.8	83.8	83.9	83.9	83.9	84.1	84.1	84.1
82.3	82.1	82.8	83.3	83.6	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.3	84.3	84.3
82.6	83.1	83.9	84.5	84.9	84.9	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.6	85.6
83.0	83.8	84.8	85.3	85.8	85.8	85.9	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.5	86.5
83.6	84.7	85.6	86.2	86.7	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.5	87.5
84.2	85.8	86.8	87.6	88.1	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.9	88.9
84.8	87.2	88.3	89.2	89.8	89.9	90.1	90.2	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.8	90.8
85.1	87.5	88.6	89.6	90.2	90.3	90.5	90.6	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9	91.2	91.2
85.7	88.4	89.6	90.8	91.6	91.7	91.9	92.1	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.7	92.7
86.2	89.2	90.4	91.7	92.6	92.6	92.8	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.6	93.6
86.8	89.8	91.1	92.6	93.7	93.8	94.0	94.2	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.8	94.8	94.8
87.3	90.7	91.4	92.9	94.0	94.1	94.3	94.6	94.7	94.8	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0
87.9	90.2	91.7	93.2	94.4	94.4	94.7	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.6	95.6
88.4	90.6	92.0	93.6	94.8	94.9	95.2	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1
88.9	90.8	92.2	93.8	95.2	95.3	95.6	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	96.6
89.4	91.1	92.5	94.1	95.7	95.8	96.2	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.3	97.3
89.9	91.2	92.8	94.6	96.2	96.4	96.9	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.4	98.4
90.4	91.3	92.9	94.8	96.5	96.7	97.3	97.9	98.2	98.6	98.7	98.7	98.8	98.8	98.8	98.8	99.1	99.1
90.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.5	99.5
91.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
91.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
92.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
92.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
93.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
93.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
94.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
94.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
95.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
95.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
96.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
96.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
97.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
97.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
98.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
98.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
99.4	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
99.9	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7
100.0	91.3	92.9	94.8	96.5	96.7	97.4	98.0	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.3	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

6377

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

UNITED STATES AIR FORCE
 WASHINGTON

73-81

NOV
 1930-1999

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1930-1999

32.7	65.7	66.3	66.6	67.5	67.7	67.7	67.7	67.7	67.7	67.1	67.1	67.1	67.1	67.1	67.1	67.4
33.7	68.9	69.3	69.6	70.7	70.7	70.7	70.7	70.7	70.7	70.2	70.2	70.2	70.2	70.2	70.2	70.5
33.7	68.9	69.3	69.6	70.7	70.7	70.7	70.7	70.7	70.7	70.2	70.2	70.2	70.2	70.2	70.2	70.5
33.7	67.3	69.5	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.9
34.4	70.9	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.4
35.1	73.1	73.6	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.8
35.1	73.1	73.6	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.8
35.4	74.8	75.3	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.1	76.1	76.1	76.1	76.1	76.1	76.4
35.4	75.9	76.4	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.5
35.7	76.5	76.6	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.7
37.2	77.5	78.1	78.4	78.8	78.9	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.2
37.7	78.1	78.6	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.8
37.7	79.1	79.6	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.7
37.8	80.2	80.7	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	82.1
39.1	81.6	82.1	82.5	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.8
39.5	82.7	83.2	83.6	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.9
39.5	83.8	84.3	84.7	85.7	85.7	85.7	85.7	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.4
39.7	84.0	84.6	85.0	86.0	86.3	86.5	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	87.0
40.1	85.2	85.7	86.1	87.1	87.4	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	88.1
40.1	85.7	86.3	86.8	87.8	88.1	88.3	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.8
40.2	86.1	86.8	87.7	88.8	89.1	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.7
40.2	87.2	88.1	88.9	90.2	90.6	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.3
40.2	87.5	88.5	89.5	90.8	91.3	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	92.1
40.3	88.3	89.3	90.6	92.1	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.2
40.4	89.0	90.7	92.6	94.3	94.7	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.4
40.4	89.0	90.7	92.7	94.9	95.3	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	96.0
40.5	89.2	90.9	93.6	95.3	95.7	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.5
40.6	89.5	91.1	94.2	96.3	96.7	96.9	97.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	98.1
40.6	89.5	91.1	94.2	96.3	96.7	97.1	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.3
40.6	89.5	91.1	94.2	96.3	96.7	97.1	98.1	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.7
40.6	89.5	91.1	94.2	96.3	96.7	97.1	98.1	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.7
40.6	89.5	91.1	94.2	96.3	96.7	97.1	98.1	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.7
40.6	89.5	91.1	94.2	96.3	96.7	97.1	98.1	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.7

TOTAL NUMBER OF OBSERVATIONS 721

FEDERAL CLIMATOLOGY BRANCH
AFSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: HANCE AFB TX
ELEVATION: 1000 FT

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0700-1500

37.1	63.6	64.4	64.5	65.1	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.5	65.5
21.8	65.5	66.3	66.5	67.0	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5
24.3	65.5	66.3	66.5	67.0	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5
24.3	65.5	66.3	66.5	67.0	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5
27.5	65.5	66.3	66.5	67.0	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5
28.9	65.5	66.3	66.5	67.0	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5
37.7	68.1	69.1	69.3	69.8	69.8	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.2	70.2
38.7	69.4	69.4	69.5	70.1	70.1	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.5	70.5
31.7	70.5	71.5	71.6	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.6	72.6
31.9	72.3	73.3	73.4	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.4	74.4
32.7	72.6	73.5	73.7	74.2	74.2	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.7	74.7
32.5	73.5	74.5	74.7	75.2	75.2	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.6	75.6
33.2	74.2	75.2	75.3	75.9	75.9	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.3	76.3
33.4	75.1	76.0	76.3	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4
34.2	76.5	77.4	77.8	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9	78.9
34.3	78.5	79.5	80.1	80.7	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.2	81.2
34.5	78.9	79.9	80.5	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.6	81.6
34.8	81.2	82.5	83.2	84.3	84.3	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.9	84.9
35.3	81.6	83.1	83.9	85.0	85.0	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.6	85.6
35.5	82.7	84.2	85.0	86.1	86.1	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.7	86.7
36.3	84.1	85.6	86.4	87.7	87.7	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2
36.0	84.1	85.7	86.7	88.1	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6
35.7	85.0	86.7	87.7	89.1	89.1	89.3	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.6	89.6
36.1	85.7	87.5	88.8	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.7	90.7
36.1	85.7	87.5	88.8	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.7	90.7
36.1	86.1	88.1	89.8	91.3	91.3	91.6	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8
36.1	86.3	88.2	90.0	92.8	93.1	93.5	93.5	93.5	93.6	93.8	93.8	93.8	93.8	93.9	93.9
36.3	86.6	88.5	91.8	94.5	94.9	95.3	95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.7	95.7
36.3	86.7	88.5	92.0	95.0	95.0	95.7	96.1	96.5	96.5	96.7	96.8	96.8	96.8	97.0	97.0
36.3	86.7	89.6	92.0	95.2	95.8	96.4	97.0	97.0	97.0	97.8	97.8	97.8	97.8	98.1	98.1
36.3	86.7	89.6	92.0	95.2	95.8	96.4	97.0	97.0	97.5	98.1	98.1	98.8	98.8	99.0	99.0
36.3	86.7	89.6	92.0	95.2	95.8	96.4	97.0	97.0	97.5	98.1	98.1	98.9	98.9	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 732

CEILING VERSUS VISIBILITY

2

1953- WAFB AFB TX

73-81

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

NO. OF OBS.

37.8	56.8	57.4	59.6	59.5	59.6	60.1	60.1	60.1	60.5	60.5	60.5	60.6	60.6	61.0	61.0	
58.3	59.2	59.9	61.0	61.9	62.1	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.5	63.5
63.4	63.5	63.4	61.6	62.5	62.6	63.1	63.1	63.1	63.5	63.5	63.5	63.6	63.6	64.0	64.0	
64.4	59.6	61.4	61.6	62.5	62.6	63.1	63.1	63.1	63.5	63.5	63.5	63.6	63.6	64.0	64.0	
65.5	59.7	61.4	61.8	61.7	62.9	63.4	63.4	63.4	63.8	63.8	63.8	63.9	63.9	64.3	64.3	
67.1	60.4	61.3	62.5	63.4	63.5	64.0	64.0	64.0	64.4	64.4	64.4	64.4	64.5	64.5	64.9	64.9
68.1	63.4	64.3	65.5	66.4	66.5	67.0	67.0	67.0	67.4	67.4	67.4	67.4	67.5	67.5	67.9	67.9
68.3	63.8	64.7	64.8	66.8	66.9	67.4	67.4	67.4	67.8	67.8	67.8	67.8	67.9	67.9	68.3	68.3
68.7	65.2	66.1	67.3	68.2	68.3	68.8	68.8	68.8	69.2	69.2	69.2	69.4	69.4	69.7	69.7	
69.2	66.2	67.7	68.8	69.7	70.0	70.5	70.5	70.5	70.9	70.9	70.9	71.0	71.0	71.4	71.4	
70.7	67.7	68.6	69.7	70.6	70.9	71.4	71.4	71.4	71.8	71.8	71.8	72.1	72.1	72.5	72.5	
71.1	68.2	69.1	70.3	71.2	71.4	71.9	72.1	72.1	72.5	72.5	72.5	72.6	72.6	73.0	73.0	
72.2	68.7	69.6	70.9	71.8	72.1	72.6	72.7	72.7	73.1	73.1	73.1	73.2	73.2	73.6	73.6	
73.5	70.1	71.3	72.7	73.6	73.9	74.4	74.4	74.4	74.7	74.7	75.1	75.1	75.2	75.2	75.6	75.6
74.5	70.4	71.8	72.7	73.2	74.2	74.4	74.5	75.2	75.3	75.6	75.6	75.6	75.7	75.7	76.1	76.1
75.1	71.8	72.5	75.5	76.5	76.8	77.4	77.7	77.7	78.1	78.1	78.1	78.2	78.2	78.6	78.6	
76.2	72.5	74.2	76.4	77.5	77.8	78.4	78.7	78.7	79.1	79.1	79.1	79.2	79.2	79.6	79.6	
77.4	73.4	75.2	77.5	79.0	79.2	79.9	80.1	80.1	80.6	80.8	80.8	80.9	80.9	81.3	81.3	
78.5	73.5	75.5	77.8	79.2	79.5	80.1	80.4	80.4	80.8	81.2	81.2	81.3	81.3	81.7	81.7	
79.5	75.1	77.0	79.4	80.8	81.0	81.7	81.9	81.9	82.6	82.7	82.7	82.9	82.9	83.2	83.4	
80.5	77.0	79.2	81.6	83.1	83.4	84.0	84.3	84.3	84.9	85.1	85.1	85.2	85.2	85.6	85.7	
81.5	77.9	80.1	82.5	84.4	84.7	85.3	85.7	85.7	86.4	86.5	86.5	86.6	86.6	87.1	87.4	
82.5	78.3	80.8	83.1	85.1	85.3	86.0	86.4	86.4	87.0	87.1	87.1	87.3	87.4	87.8	88.1	
83.5	78.6	81.2	84.0	86.0	86.2	87.1	87.5	87.5	88.3	88.7	88.7	88.8	88.8	89.0	89.6	
84.5	78.7	81.3	84.2	86.1	86.4	87.3	87.7	87.7	88.4	88.8	88.8	89.0	89.0	89.5	89.7	
85.5	78.8	81.4	84.5	86.6	86.9	88.1	88.8	88.8	89.6	90.0	90.0	90.1	90.3	90.6	90.9	
86.5	79.5	82.1	85.6	88.3	88.6	89.9	90.6	90.8	91.7	92.1	92.1	92.3	92.3	92.7	93.2	
87.5	79.5	82.1	85.8	89.0	89.2	90.9	91.7	91.9	92.9	93.2	93.2	93.6	93.6	94.3	94.5	
88.5	79.6	82.2	86.1	89.4	89.6	91.6	92.3	92.6	93.9	94.3	94.3	94.7	94.7	95.3	95.6	
89.5	79.7	82.3	86.2	89.5	89.9	91.9	93.0	93.2	94.7	95.3	95.3	95.9	96.0	96.8	97.3	
90.5	79.7	82.3	86.2	89.5	89.9	92.1	93.1	93.4	95.1	95.8	95.8	96.5	96.6	98.1	98.7	
91.5	79.7	82.3	86.2	89.5	89.9	92.1	93.1	93.4	95.1	95.8	95.8	96.5	96.6	98.1	98.7	
92.5	79.7	82.3	86.2	89.5	89.9	92.1	93.1	93.4	95.1	95.8	95.8	96.5	96.6	98.1	98.7	

TOTAL NUMBER OF OBSERVATIONS

770

FEDERAL AVIATION ADMINISTRATION
METEOROLOGICAL SERVICE
WASH DC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

70-1100

56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
58.2	58.6	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
59.8	60.3	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
61.1	61.5	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
62.1	62.5	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
63.7	64.1	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
64.9	65.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
66.7	67.1	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
67.3	67.7	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
68.2	68.6	69.0	69.3	69.5	69.5	69.5	69.5	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
69.7	70.1	70.5	70.8	71.0	71.0	71.0	71.0	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
70.7	71.1	71.5	71.8	72.0	72.0	72.0	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
71.7	72.1	72.5	72.8	73.0	73.0	73.0	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
72.7	73.1	73.5	73.8	74.0	74.0	74.0	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
73.7	74.1	74.5	74.8	75.0	75.0	75.0	75.0	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
74.7	75.1	75.5	75.8	76.0	76.0	76.0	76.0	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
75.7	76.1	76.5	76.8	77.0	77.0	77.0	77.0	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
76.7	77.1	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
77.7	78.1	78.5	78.8	79.0	79.0	79.0	79.0	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
78.7	79.1	79.5	79.8	80.0	80.0	80.0	80.0	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
79.7	80.1	80.5	80.8	81.0	81.0	81.0	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
80.7	81.1	81.5	81.8	82.0	82.0	82.0	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
81.7	82.1	82.5	82.8	83.0	83.0	83.0	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
82.7	83.1	83.5	83.8	84.0	84.0	84.0	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
83.7	84.1	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
84.7	85.1	85.5	85.8	86.0	86.0	86.0	86.0	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
85.7	86.1	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
86.7	87.1	87.5	87.8	88.0	88.0	88.0	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
87.7	88.1	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
88.7	89.1	89.5	89.8	90.0	90.0	90.0	90.0	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
89.7	90.1	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
90.7	91.1	91.5	91.8	92.0	92.0	92.0	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
91.7	92.1	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
92.7	93.1	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
93.7	94.1	94.5	94.8	95.0	95.0	95.0	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
94.7	95.1	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
95.7	96.1	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
96.7	97.1	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
97.7	98.1	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
98.7	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.2	100.3	100.3	100.3	100.3	100.3	100.3	100.3

TOTAL NUMBER OF OBSERVATIONS 874

CEILING VERSUS VISIBILITY

STATION: WAWANAWA AND AFB 24
STATE: WISCONSIN

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-07-1973

67.7	69.5	59.7	59.5	69.5	69.5	69.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
67.7	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	65.3	65.3	65.3	65.3	65.3
63.1	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	65.7	65.7	65.7	65.7
63.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
64.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
66.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
70.7	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	70.1	70.1	70.1	70.1	70.1
67.7	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	71.9	71.9	71.9
67.3	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	72.8	72.8	72.8	72.8
67.4	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	72.9	72.9	72.9	72.9	72.9	72.9
67.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
67.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
67.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
67.7	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	74.1	74.1	74.1	74.1
66.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
71.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
73.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
84.2	81.7	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
85.7	82.7	82.7	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
86.7	84.2	85.1	86.3	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
86.4	84.7	85.7	87.1	87.6	87.7	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
86.7	85.1	86.3	87.8	88.3	88.4	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
85.7	85.7	85.7	88.7	89.6	89.7	89.7	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
86.7	85.3	87.2	89.8	91.2	91.5	92.2	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
85.7	85.5	87.3	91.0	91.8	92.2	93.2	93.9	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
86.7	86.1	87.5	90.4	92.4	92.8	94.9	96.1	97.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
86.7	86.1	87.5	90.4	92.4	92.8	95.0	96.3	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
86.7	86.1	87.6	91.4	92.4	92.8	95.0	96.3	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
86.7	86.1	87.6	91.5	92.5	92.9	95.1	96.4	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
86.7	86.1	87.6	92.5	92.5	92.9	95.1	96.4	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 974

NOV 73 STA: WAWANAWA AND AFB 24 WISCONSIN

CLIMATOLOGY BRANCH

CEILING VERSUS VISIBILITY

UNITED STATES AIR FORCE

WALLINGFORD AIRFIELD

1951

NE

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1.0	11.1	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	51.7	51.7	51.7	51.7
1.4	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	67.7	67.7	67.7	67.7	67.7	67.7
1.7	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	68.7	68.7	68.7	68.7
1.8	68.4	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	68.7	68.7
1.9	69.5	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	69.8	69.8	69.8
2.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
2.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
2.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2.4	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	74.1	74.1	74.1	74.1
2.5	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	74.5	74.5	74.5	74.5	74.5
2.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2.7	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	76.1	76.1	76.1	76.1	76.1	76.1
2.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
2.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
3.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
3.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
3.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
3.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
3.4	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
3.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
3.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
3.8	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	84.2	84.2	84.2	84.2
3.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
4.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
4.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
4.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
4.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
4.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
4.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
4.7	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	91.3	91.3	91.3	91.3
4.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
4.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
5.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
5.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
5.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
5.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
5.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
5.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
5.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
5.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
5.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
5.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
6.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

100

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

69.0	69.4	69.4	69.1	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
70.0	70.3	70.7	71.4	71.9	71.3	71.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
71.0	71.5	71.7	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2
71.0	71.1	71.6	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
72.0	72.5	72.9	72.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1
73.0	74.2	74.4	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
74.0	74.2	74.4	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
75.0	75.6	75.8	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5
76.0	77.4	78.3	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
77.0	79.0	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
78.0	80.2	80.4	81.4	81.9	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
79.0	81.4	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2
80.0	81.8	81.8	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
81.0	83.3	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
82.0	83.4	83.7	84.8	85.2	85.2	85.4	85.4	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7
83.0	84.6	85.1	86.5	86.4	86.5	86.8	86.9	86.9	86.9	87.3	87.3	87.2	87.2	87.2	87.2	87.2
84.0	85.0	85.4	86.4	86.8	86.9	87.2	87.3	87.3	87.4	87.6	87.6	87.4	87.6	87.6	87.6	87.6
85.0	85.4	85.8	86.8	87.2	87.3	87.7	87.7	87.7	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
86.0	86.6	87.0	88.1	88.5	88.7	89.1	89.2	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
87.0	86.8	87.7	88.9	89.3	89.5	89.9	90.0	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
88.0	87.3	87.7	89.9	90.7	90.4	91.0	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
89.0	87.8	88.4	90.6	91.5	91.5	91.9	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
90.0	89.7	89.7	91.4	92.3	92.4	93.1	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
91.0	89.1	89.6	92.6	93.3	93.4	94.2	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
92.0	89.7	90.7	94.1	94.5	94.6	95.4	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
93.0	89.7	90.7	94.5	94.9	95.5	96.5	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
94.0	89.7	90.7	94.7	95.3	95.4	96.4	96.6	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
95.0	90.4	91.4	95.5	96.1	96.4	97.3	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
96.0	91.4	91.4	95.5	96.1	96.4	97.3	97.6	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
97.0	91.4	91.4	95.5	96.1	96.4	97.3	97.6	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 741

CEILING VERSUS VISIBILITY

2

UNITED STATES AIR FORCE

73-31

NO. 1

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

47.1	61.1	60.5	62.9	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.6
47.3	61.9	66.7	66.7	67.0	67.0	67.1	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4
47.7	66.1	66.5	66.7	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.6	67.6
47.8	66.2	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.7	67.7
47.9	66.3	67.2	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.9	68.9
48.2	67.7	68.2	68.6	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.2	69.2	69.4
48.4	70.7	70.7	70.8	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.6
48.5	71.2	71.2	71.3	71.1	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.8
48.7	71.3	71.9	72.5	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.6
48.9	71.3	73.3	73.7	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	75.0
49.1	71.5	73.8	74.4	74.8	75.1	75.2	75.3	75.3	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.6
49.3	73.3	73.9	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.0
49.4	73.6	74.3	74.4	74.8	75.1	75.2	75.3	75.3	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.6
49.5	74.6	75.3	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.4	76.4	76.4	76.5
49.7	75.7	75.1	75.7	76.2	76.5	76.5	76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9
49.8	75.1	75.7	76.4	76.9	77.3	77.3	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7
49.9	75.5	76.4	77.2	77.7	77.7	78.1	78.1	78.2	78.3	78.3	78.4	78.4	78.5	78.5	78.5	78.6
50.0	74.5	75.1	75.8	76.5	76.8	76.9	77.0	77.0	77.1	77.1	77.2	77.3	77.3	77.4	77.4	77.5
50.1	77.7	78.1	78.7	79.5	79.8	79.9	80.0	80.1	80.1	80.3	80.3	80.3	80.4	80.4	80.4	80.5
50.2	79.1	80.7	80.8	81.2	81.3	81.4	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9
50.3	80.2	81.2	82.1	82.6	82.7	82.9	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.5
50.4	80.5	81.5	82.5	82.6	83.2	83.4	83.5	83.6	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0
50.5	82.1	83.2	84.3	84.9	85.1	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
50.6	83.2	84.5	85.7	86.4	86.5	86.8	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.4
50.7	83.9	85.3	86.9	87.8	87.9	88.3	88.4	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.9	88.9
50.8	84.3	85.8	87.5	88.5	88.7	89.0	89.2	89.3	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.7
50.9	85.3	86.4	88.4	89.4	89.6	90.0	90.2	90.3	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.8
51.0	85.5	87.4	90.1	91.4	91.6	92.2	92.7	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.5
51.1	85.7	87.7	91.7	92.4	92.7	93.5	94.0	94.2	94.6	94.7	94.7	94.8	94.8	94.8	94.9	94.9
51.2	85.9	87.9	91.4	93.3	93.6	94.7	95.4	95.7	96.2	96.4	96.4	96.4	96.5	96.6	96.7	96.7
51.3	86.1	88.1	91.7	93.8	94.2	95.3	96.2	96.5	97.1	97.3	97.3	97.5	97.5	97.5	97.7	97.8
51.4	86.1	88.1	91.7	93.9	94.2	95.4	96.3	96.7	97.5	97.8	97.8	98.1	98.1	98.1	98.4	98.5
51.5	86.1	88.1	91.7	93.9	94.2	95.4	96.4	96.8	97.6	98.0	98.0	98.5	98.5	98.6	99.0	99.5
51.6	86.1	88.1	91.7	93.9	94.2	95.4	96.4	96.8	97.6	98.0	98.0	98.5	98.6	99.0	99.0	99.5

TOTAL NUMBER OF OBSERVATIONS 6178

U. S. AIR FORCE METEOROLOGICAL BRANCH
WALLINGDALE, TEXAS
U. S. WEATHER SERVICE, TAC

CEILING VERSUS VISIBILITY

STATION: W.A.C. AFB TX
PERIOD: 10/1/50 - 10/31/50

74-51

888

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

800-100

34.5	75.4	77.4	74.1	74.2	74.2	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.5	74.7	74.7
37.1	75.4	75.4	76.1	76.2	76.2	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7
7.3	76.1	76.1	76.7	76.9	76.9	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.4
35.7	77.2	77.2	77.6	78.0	78.0	78.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.5
37.7	78.5	78.5	79.2	79.3	79.3	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8
37.7	79.4	79.4	80.1	80.2	80.2	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.8	80.8
37.2	79.7	79.7	80.4	80.5	80.5	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0
37.7	80.1	80.1	80.8	80.9	80.9	81.0	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.5	81.5
37.4	80.4	80.4	81.1	81.2	81.2	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7
37.4	80.6	80.6	81.3	81.5	81.5	81.6	81.7	81.7	81.9	81.9	81.9	81.9	81.9	82.0	82.0
37.5	80.6	80.6	81.3	81.5	81.5	81.6	81.7	81.7	81.9	81.9	81.9	81.9	81.9	82.0	82.0
37.5	81.2	81.2	81.9	82.0	82.0	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5
37.7	81.3	81.3	82.0	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.7	82.7
37.7	82.3	82.3	82.9	83.1	83.1	83.2	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.6	83.6
37.8	82.9	82.9	83.6	83.7	83.7	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2
37.8	83.3	83.3	84.1	84.3	84.3	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.8	84.8
37.8	83.3	83.3	84.1	84.3	84.3	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.8	84.8
37.8	84.3	84.3	85.1	85.2	85.2	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.7
37.4	85.2	85.2	86.0	86.1	86.1	86.2	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.6
37.4	85.2	85.2	86.0	86.1	86.1	86.2	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.6
37.7	86.6	86.6	87.4	87.5	87.5	87.6	87.8	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.0
37.7	87.4	87.4	88.2	88.3	88.3	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.8	88.8
40.1	88.3	88.3	89.1	89.2	89.2	89.3	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.7	89.7
40.1	88.3	88.3	89.1	89.2	89.2	89.3	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.7	89.7
40.1	88.7	88.7	89.5	89.6	89.6	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1
40.1	89.7	89.7	90.5	90.6	90.6	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.1	91.1
40.1	89.7	89.7	90.5	90.6	90.6	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.1	91.1
40.1	90.5	90.5	91.3	91.4	91.4	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.9	91.9
40.1	90.5	90.5	91.3	91.4	91.4	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.9	91.9
40.1	91.5	91.5	92.3	92.4	92.4	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9
40.1	91.5	91.5	92.3	92.4	92.4	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9
40.1	92.5	92.5	93.3	93.4	93.4	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
40.1	92.5	92.5	93.3	93.4	93.4	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
40.1	93.5	93.5	94.3	94.4	94.4	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9
40.1	93.5	93.5	94.3	94.4	94.4	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9
40.1	94.5	94.5	95.3	95.4	95.4	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
40.1	94.5	94.5	95.3	95.4	95.4	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
40.1	95.5	95.5	96.3	96.4	96.4	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9
40.1	95.5	95.5	96.3	96.4	96.4	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9
40.1	96.5	96.5	97.3	97.4	97.4	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9
40.1	96.5	96.5	97.3	97.4	97.4	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9
40.1	97.5	97.5	98.3	98.4	98.4	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
40.1	97.5	97.5	98.3	98.4	98.4	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
40.1	98.5	98.5	99.3	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
40.1	98.5	98.5	99.3	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 744

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

CEILING VERSUS VISIBILITY

2

STATION WANDA AFB AR

74-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

32.4	69.4	71.1	73.7	74.8	75.8	76.9	78.9	79.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
33.5	73.4	74.5	74.7	74.8	74.8	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.4
33.7	73.4	74.5	74.7	74.8	74.8	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.4
33.8	73.4	74.5	74.7	74.8	74.8	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.4
33.7	73.6	74.3	75.3	75.1	75.1	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.6
34.9	75.6	76.3	77.0	77.1	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.7
35.7	77.1	77.7	78.3	78.5	78.5	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.9	79.0
35.3	77.1	77.7	78.3	78.5	78.5	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.9	79.0
35.7	78.1	78.7	79.4	79.5	79.5	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.9	80.1
35.7	78.3	79.0	79.7	79.8	79.8	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.3
35.3	78.5	78.1	79.5	79.9	79.9	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.6
36.1	79.3	79.9	80.6	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.3
35.2	79.5	80.2	81.0	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.7
36.2	80.1	80.9	81.7	81.8	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.4
36.2	80.6	81.4	82.2	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.9
36.3	80.9	82.1	82.9	83.0	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.6
36.5	82.7	83.2	84.0	84.1	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.7
37.6	83.3	84.5	85.3	85.5	85.5	85.6	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.4
37.3	83.3	84.5	85.3	85.5	85.5	85.6	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.4
38.1	84.7	85.9	86.7	86.8	86.8	87.1	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.9
37.2	86.1	87.5	88.4	88.8	88.8	89.1	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.9	90.0
38.2	86.5	87.9	89.1	89.5	89.5	89.8	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.7
38.2	86.7	88.0	89.2	89.6	89.6	90.0	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.8	91.0
38.5	87.1	88.4	89.8	90.2	90.2	90.6	91.0	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.7
38.5	88.2	89.5	91.3	91.4	91.4	91.9	92.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.1
38.6	88.3	89.6	91.3	91.8	91.8	92.5	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.7
38.5	88.8	90.4	92.2	92.7	92.7	93.5	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.9
38.5	88.8	90.4	92.2	92.7	92.7	93.0	94.8	95.4	95.6	96.0	96.0	96.0	96.0	96.0	96.1	96.2
38.5	88.8	90.4	92.2	93.0	93.0	93.5	95.4	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.2
38.5	88.8	90.4	92.2	93.0	93.0	93.5	95.4	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.2
38.5	88.8	90.4	92.2	93.1	93.1	93.5	95.6	96.4	96.9	98.0	98.4	98.5	98.5	98.5	98.8	99.5
38.6	88.8	90.4	92.2	93.1	93.1	93.5	95.6	96.4	96.9	98.0	98.4	98.5	98.5	98.5	98.8	99.5
38.6	88.8	90.4	92.2	93.1	93.1	93.5	95.6	96.4	96.9	98.0	98.5	98.8	98.8	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 743

FEDERAL CLIMATOLOGY BRANCH
AFSLTAC
AIR WEATHER SERVICE/CLMAC

CEILING VERSUS VISIBILITY

OCTOBER 1953
STATION NAME: WANCE AFB TX
STATION NUMBER: 3500-1600

73-81

DEC 1953

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

3500-1600

CEILING	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0
40.0	42.3	47.3	52.3	57.3	62.3	67.3	72.3	77.3	82.3	87.3	92.3	97.3	100.0
45.0	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	87.5	92.5	97.5	100.0
50.0	42.6	47.6	52.6	57.6	62.6	67.6	72.6	77.6	82.6	87.6	92.6	97.6	100.0
55.0	42.7	47.7	52.7	57.7	62.7	67.7	72.7	77.7	82.7	87.7	92.7	97.7	100.0
60.0	42.8	47.8	52.8	57.8	62.8	67.8	72.8	77.8	82.8	87.8	92.8	97.8	100.0
65.0	42.9	47.9	52.9	57.9	62.9	67.9	72.9	77.9	82.9	87.9	92.9	97.9	100.0
70.0	43.0	48.0	53.0	58.0	63.0	68.0	73.0	78.0	83.0	88.0	93.0	98.0	100.0
75.0	43.1	48.1	53.1	58.1	63.1	68.1	73.1	78.1	83.1	88.1	93.1	98.1	100.0
80.0	43.2	48.2	53.2	58.2	63.2	68.2	73.2	78.2	83.2	88.2	93.2	98.2	100.0
85.0	43.3	48.3	53.3	58.3	63.3	68.3	73.3	78.3	83.3	88.3	93.3	98.3	100.0
90.0	43.4	48.4	53.4	58.4	63.4	68.4	73.4	78.4	83.4	88.4	93.4	98.4	100.0
95.0	43.5	48.5	53.5	58.5	63.5	68.5	73.5	78.5	83.5	88.5	93.5	98.5	100.0
100.0	43.6	48.6	53.6	58.6	63.6	68.6	73.6	78.6	83.6	88.6	93.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 792

FEDERAL CLIMATOLOGY BRANCH
AFSCENTAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

300005 WANCE AFB OK

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-100

67.5	61.8	62.7	62.9	63.7	63.7	63.1	63.1	63.1	63.2	63.2	63.2	63.4	63.4	63.5	63.6
63.4	63.4	69.4	70.0	70.1	70.1	70.2	70.2	70.5	70.6	70.6	70.6	70.7	70.7	70.8	70.8
63.7	63.7	69.7	70.3	70.5	70.5	70.6	70.6	70.8	70.8	70.9	70.9	71.1	71.1	71.2	71.2
63.7	63.9	69.8	70.5	70.6	70.6	70.7	70.7	70.9	71.1	71.1	71.1	71.2	71.2	71.3	71.3
65.7	70.3	71.1	71.7	71.8	71.8	71.9	71.9	72.2	72.3	72.3	72.3	72.4	72.4	72.5	72.5
66.2	71.3	72.4	73.0	73.1	73.1	73.3	73.3	73.5	73.6	73.6	73.6	73.7	73.7	73.9	73.9
66.3	72.5	73.6	75.0	75.2	75.2	75.3	75.3	75.6	75.7	75.7	75.7	75.8	75.8	75.9	76.0
67.2	73.1	74.1	75.5	75.7	75.7	75.8	75.8	76.1	76.2	76.2	76.2	76.3	76.3	76.4	76.7
67.3	74.1	75.3	76.7	76.9	76.9	77.0	77.0	77.3	77.3	77.4	77.4	77.4	77.5	77.5	77.9
68.5	74.4	75.6	76.9	77.2	77.2	77.3	77.3	77.5	77.7	77.7	77.7	77.8	77.8	77.9	78.1
68.7	74.5	75.8	77.2	77.4	77.4	77.5	77.5	77.8	77.9	77.9	77.9	78.0	78.0	78.1	78.4
69.6	75.7	76.9	78.3	78.5	78.5	78.6	78.6	78.9	79.0	79.0	79.0	79.1	79.1	79.2	79.2
69.6	75.7	76.9	78.3	78.5	78.5	78.6	78.6	78.9	79.0	79.0	79.0	79.1	79.1	79.2	79.5
69.7	75.8	77.0	78.6	78.9	78.9	79.0	79.0	79.2	79.4	79.4	79.4	79.5	79.5	79.6	79.9
70.0	75.1	77.3	78.9	79.1	79.1	79.4	79.4	79.6	79.7	79.7	79.7	79.9	79.9	80.0	80.2
70.1	76.1	78.3	79.4	79.6	79.6	79.9	79.9	80.1	80.2	80.2	80.2	80.3	80.3	80.5	80.7
70.5	76.9	79.4	80.3	80.3	80.3	80.6	80.6	80.8	81.1	81.1	81.1	81.3	81.3	81.6	81.8
71.1	78.4	80.1	81.7	82.1	82.3	82.5	82.5	82.8	83.2	83.0	83.0	83.3	83.3	83.5	83.8
71.4	78.8	80.5	82.1	82.4	82.7	82.9	82.9	83.2	83.4	83.4	83.4	83.6	83.6	83.9	84.1
72.9	81.1	82.9	84.9	85.2	85.5	85.8	85.8	86.1	86.3	86.3	86.3	86.6	86.6	86.8	87.1
74.2	82.9	84.7	86.9	87.4	87.7	88.0	88.2	88.4	88.6	88.6	88.6	88.9	88.9	89.1	89.4
74.4	83.5	85.3	87.7	88.2	88.4	88.8	88.9	89.1	89.4	89.4	89.4	89.6	89.6	89.9	90.1
74.7	84.2	86.1	89.0	89.7	90.0	90.4	90.6	90.8	91.1	91.1	91.1	91.3	91.3	91.6	91.8
74.7	84.4	86.4	89.5	90.2	90.5	90.8	91.1	91.3	91.9	91.9	91.9	92.2	92.2	92.4	92.7
74.8	84.5	86.7	89.7	90.6	90.8	91.5	91.8	92.1	92.7	92.7	92.7	92.9	93.0	93.3	93.5
74.8	84.5	87.2	90.5	91.3	91.6	92.2	92.7	92.9	93.5	93.5	93.5	93.8	93.9	94.1	94.4
74.8	84.6	87.3	91.0	91.9	92.2	92.8	93.4	93.7	94.3	94.3	94.3	94.5	94.5	94.9	95.1
74.8	84.7	87.5	91.3	92.3	92.6	93.2	94.1	94.5	95.1	95.1	95.1	95.4	95.5	95.7	96.0
74.8	84.7	87.5	91.3	92.3	92.6	93.3	94.4	94.9	96.2	96.2	96.2	96.6	96.7	96.9	97.3
74.8	84.7	87.5	91.3	92.3	92.6	93.3	94.5	95.4	97.1	97.1	97.1	97.4	97.6	98.7	99.3
74.8	84.7	87.5	91.3	92.3	92.6	93.3	94.5	95.4	97.2	97.2	97.2	97.6	97.7	98.8	99.8
74.8	84.7	87.5	91.3	92.3	92.6	93.3	94.5	95.4	97.2	97.2	97.2	97.6	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 819

FEDERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

W. A. C. AFB

73-81

2-6

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

14-1700

67.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
72.8	75.7	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
77.7	75.1	75.5	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
77.9	75.1	75.5	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
77.9	76.4	76.7	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
77.5	77.7	77.0	77.6	77.7	77.7	77.7	77.7	77.8	77.9	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
78.5	78.3	78.3	78.8	78.9	78.9	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
75.7	78.2	78.5	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
75.8	79.6	79.9	80.4	80.5	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
77.1	79.8	81.2	80.7	81.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
77.1	79.9	80.3	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
77.0	80.0	80.4	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
77.5	80.5	80.8	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
77.8	81.0	81.4	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
77.7	81.4	81.8	82.5	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
77.7	82.5	83.3	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
77.8	82.7	83.5	84.7	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
77.9	84.4	85.2	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.1	87.1
77.9	84.5	85.3	86.6	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
77.7	85.8	86.9	88.3	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7
77.8	86.1	87.1	88.5	89.4	89.4	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.1	90.1
77.8	86.8	87.9	89.1	91.1	91.1	91.9	92.0	92.0	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.9	92.9
77.7	86.9	88.1	89.4	91.4	91.5	92.2	92.4	92.4	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2
77.7	87.6	89.0	92.0	93.1	93.2	94.0	94.1	94.1	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.1	95.1
77.7	87.6	89.0	92.0	93.1	93.2	94.1	94.2	94.2	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.3	95.3
77.7	87.7	89.3	92.4	93.8	94.0	94.8	95.0	95.1	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	96.2	96.2
77.7	87.9	89.8	93.0	94.5	94.6	95.4	95.6	95.7	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	97.0	97.0
77.7	87.9	89.8	93.2	94.7	94.8	95.9	96.1	96.3	96.8	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.8	97.8
77.7	87.9	89.8	93.2	94.7	94.8	95.9	96.6	96.8	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.4	99.4
77.7	87.9	89.8	93.2	94.7	94.8	96.1	96.7	96.9	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.61	99.61
77.7	87.9	89.8	93.2	94.7	94.8	96.1	96.7	96.9	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.61	99.61
77.7	87.9	89.8	93.2	94.7	94.8	96.1	96.7	96.9	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.61	99.61

TOTAL NUMBER OF OBSERVATIONS 812

FEDERAL BUREAU OF SURVEY
METEOROLOGICAL SERVICE
METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

ADDRESS: WASHINGTON, D.C.
OFFICE: WASHINGTON, D.C.

73-31

DLG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

13 0-2000

41.7	71.2	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
43.5	74.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
45.9	77.1	75.2	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
48.	78.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
45.3	76.9	77.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
50.1	77.5	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
57.7	73.5	77.8	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
61.1	77.1	79.5	79.6	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
71.5	77.9	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
51.7	80.2	87.5	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
77.1	80.5	87.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
82.1	81.5	87.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
72.1	81.1	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
82.1	81.6	82.0	82.1	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
82.4	81.7	82.2	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
82.7	82.6	83.3	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
83.2	83.8	84.4	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
83.4	85.2	85.9	86.5	87.0	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5
83.4	85.5	86.1	86.9	87.4	87.4	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.9	87.9	87.9	87.9
83.4	86.5	87.4	88.7	89.6	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1
83.4	86.9	87.8	89.2	90.5	90.5	90.7	90.7	90.7	90.8	90.8	90.8	90.8	91.1	91.1	91.1	91.1
83.6	87.7	88.5	90.0	91.4	91.4	92.0	92.0	92.0	92.1	92.1	92.2	92.2	92.5	92.5	92.5	92.5
83.7	87.8	88.8	90.4	91.8	92.2	92.7	92.7	92.7	92.9	93.0	93.0	93.0	93.3	93.3	93.3	93.3
83.7	87.8	89.2	91.4	93.1	93.5	94.0	94.0	94.0	94.2	94.3	94.3	94.3	94.6	94.6	94.6	94.6
83.7	88.5	90.0	92.6	94.3	94.7	95.2	95.2	95.2	95.3	95.3	95.3	95.5	95.7	95.7	95.7	95.7
83.8	88.7	90.3	93.0	95.2	95.6	96.2	96.2	96.2	96.5	96.6	96.6	96.6	96.9	96.9	96.9	96.9
83.8	88.7	90.5	93.5	96.0	96.4	97.1	97.1	97.1	97.4	97.5	97.5	97.5	97.9	97.9	97.9	97.9
83.8	88.7	90.5	93.5	96.2	96.6	97.5	97.5	97.5	97.9	98.1	98.1	98.1	98.4	98.4	98.4	98.4
83.8	88.7	90.5	93.5	96.2	96.6	97.8	97.8	97.8	98.5	99.1	99.1	99.1	99.5	99.5	99.5	99.5
83.8	88.7	90.5	93.5	96.2	96.6	97.8	97.9	98.1	99.0	99.2	99.2	99.2	99.9	99.9	99.9	99.9
83.8	88.7	90.5	93.5	96.2	96.6	97.8	97.9	98.1	99.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0
83.	88.7	90.5	93.5	96.2	96.6	97.8	97.9	98.1	99.1	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 771

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

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										
		0	1	2	3	4	5	6	7	8	9	
TOTALS												

NO. 4 METEOROLOGICAL STATION
 NAME AND ADDRESS

SKY COVER

STATION NO. _____ DATE _____
 STATION NAME _____ CITY _____ STATE _____

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS	TOTAL OBS.	
		0	1	2	3	4	5	6	7	8	9			10
	1-7	41.7			1.7						1.7	1.7	4.4	7
	8-14	1.7			27.6						1.7	1.7	3.5	21
	15-21	3.0			2.8						1.3	14.4	1.4	21
	22-28	1.7			1.7						20.4	47.6	1.1	74
	29-31	1.7			21.6						14.1	47.7	1.6	25
	TOTAL	21.7			21.6						11.1	17.1	1.1	174
	1-31	11.4			1.7						1.7	22.7	1.6	114
	1-31	11.6			11.6						11.6	24.1	1.7	114
	TOTALS				11.7						14.7	34.7	1.4	1167

40 DEPARTMENT OF AIR FORCE

1961

SKY COVER

STATION NAME

PERIOD

YEAR

STATION

STATION NAME

PERIOD

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE SKY COVER	TOTAL OCCURRENCE		
		0	1	2	3	4	5	6	7	8	9			10	
1	1-31	11.6			11.6							11.6	10.0	11.6	11.6
2	1-28	11.6			11.6							11.6	10.6	11.6	11.6
3	1-31	11.6			11.6							11.6	10.0	11.6	11.6
4	1-30	11.6			11.6							11.6	10.7	11.6	11.6
5	1-31	11.6			11.6							11.6	10.7	11.6	11.6
6	1-30	11.6			11.6							11.6	10.7	11.6	11.6
7	1-31	11.6			11.6							11.6	10.7	11.6	11.6
8	1-31	11.6			11.6							11.6	10.7	11.6	11.6
9	1-30	11.6			11.6							11.6	10.7	11.6	11.6
10	1-31	11.6			11.6							11.6	10.7	11.6	11.6
11	1-30	11.6			11.6							11.6	10.7	11.6	11.6
12	1-31	11.6			11.6							11.6	10.7	11.6	11.6
TOTALS		11.6			11.6							11.6	10.7	11.6	11.6

CENTRAL CLIMATOLOGY BRANCH
 TAC
 DATA CENTER/COM/AFM

SKY COVER

STATION NO. _____ STATION NAME _____ FIELD NO. _____
 YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL PERCENTAGE	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
1-1	13.7				17.4						1.1	2.7	1.7	1
1-2	11.8				20.8						11.8	14.7	1.7	1
1-3	21.8				21.7						11.7	31.1	3.5	20
1-11	22.7				17.1						17.8	35.8	5.7	17
1-14	17.8				17.7						11.7	27.1	1.7	10
1-17	14.5				17.8						14.5	27.7	1.7	11
1-21	11.9				20.9						21.7	15.7	1.7	16
1-27	31.8				17.8						1.8	16.1	1.8	17
TOTALS					117.8						117.7	219.8	117.8	1147

WALL TERRESTRIAL BIRCH
STATION
WALL TERRESTRIAL BIRCH

SKY COVER

STATION

STATION NAME

77-81

PERIOD

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
1961	1-10	31.7			11.7						11.7	33.7	7.0	71
	- 5	1.7			11.7						11.7	25.7	7.4	71
	- 1	11.7			24.7							36.7	11.7	814
	- 11	14.7			11.7							26.7	11.7	814
	- 14	11.7			31.7							43.7	11.7	814
	- 17	11.7			11.7							23.7	11.7	814
	- 2	11.7			34.7							46.7	11.7	814
	- 23	21.7			21.7							43.7	11.7	77
TOTALS		11.7			27.4							49.1	11.7	4184

U.S. AIR FORCE
 FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIRCRAFT SERVICE DIVISION

SKY COVER

STATION NO. 1210

PERIOD 77-81

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS 1ST	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	1-27	17.1			25.7						14.3	14.6	7.7	717
FEB	1-28	21.4			11.7						11.4	12.4	4.5	722
MAR	1-31	11.6			17.4						12.7	13.7	5.7	774
APR	1-30	11.1			34.6						17.2	11.0	7.4	724
MAY	1-31	14.5			47.2						27.4	12.7	5.1	727
JUN	1-30	17.6			42.6						17.2	9.2	5.3	727
JUL	1-31	11.5			47.2						21.9	12.4	4.5	767
AUG	1-27	31.5			11.7						17.5	15.6	4.7	737
SEPT														
OCT														
NOV														
DEC														
TOTALS		21.1			21.7						11.9	15.4	4.5	91

U.S. AIR FORCE
 AIR FORCE SERVICE ZONE

SKY COVER

STATION: WAGNER AFB, MISSISSIPPI REF: 00 MONTH: JUL
STATION NAME REF. NO. MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	0-2	100.0			27.6						11.0	11.0	7.9	247
	4-6	43.1			73.2					14.7	12.4	7.4	270	
	8-10	17.6			47.7					21.4	12.3	4.6	17	
	12-14	27.7			44.7					14.6	7.6	4.5	232	
	16-18	17.6			35.6					14.1	9.7	4.6	234	
	20-22	38.4			67.4					5.1	6.7	4.7	237	
	24-26	17.6			37.6					17.9	4.7	8.7	277	
	28-31	36.8			61.3					14.1	7.6	7.4	267	
TOTALS					41.7					10.0	9.9	4.1	781	

10
 FEDERAL METEOROLOGICAL SERVICE
 METEOROLOGICAL CENTER
 WASHINGTON, D. C. 20540

SKY COVER

STATION: LA O. 150 P PERIOD: 77-81 MONTH: 7

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE			
		0	1	2	3	4	5	6	7	8	9	10	0-10	0-100	
	0-2	4.6			20.6							17.1	15.7	5.6	77
	3-5	2.6			20.9							15.1	14.7	5.4	76
	6-8	19.1			5.1							23.1	6.7	5.1	81
	9-11	21.1			2.5							24.4	11.1	4.9	87
	12-14	1.1			1.1							1.1	17.1	5.1	74
	15-17	5.1			7.1							12.9	17.1	4.9	83
	18-20	17.7			47.7							13.1	11.1	6.7	80
	21-23	30.7			10.6							14.7	13.1	4.1	77
TOTALS		27.5			47.6							20.5	14.3	4.5	477

NATIONAL CLIMATOLOGICAL SERVICE
 FEDERAL BUREAU OF SURVEYING
 AIR WEATHER SERVICE WAC

SKY COVER

STATION WAC AIR OBS 1 PERIOD 77-81 DATE 11-81

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
7	0-12	42.7			24.4						17.9	19.7	7.8	777
	-	41.7			27.4						13.5	21.2	4.1	726
	-	20.			31.1						16.6	59.3	5.5	776
	-11	21.7			34.7						16.7	27.3	5.3	677
1	-15	14.6			44.7						16.6	22.1	5.7	676
	-17	10.6			47.6						22.1	19.7	5.1	577
	-7	23.6			34.8						18.6	18.0	4.7	763
	1-23	3.6			17.2						13.3	15.3	7.7	738
TOTALS		27.6			31.3						16.7	21.6	4.7	4137

FEDERAL CLIMATOLOGICAL BRANCH
 40 TAC
 AIR WEATHER SERVICE ZHAC

SKY COVER

STATION LAKE CHARLES STATION NAME 71-81 PERIOD 197

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF TOTAL SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
7	0-12	7.1			1.9						7.4	0.7	1.7	14
	13-17	31.6			16.9						1.0	11.1	7.4	719
	18-21	31.7			17.6						11.2	17.7	4.1	163
	22-24	31.1			14.8						17.4	15.4	4.3	127
	25-28	31.7			17.3						7.7	11.7	4.1	74
	29-31	30.5			14.9						17.1	12.7	4.3	607
	1-3	31.7			23.6						11.1	13.1	4.1	177
	4-6	31.6			21.7						1.7	13.1	7.3	767
TOTALS		17.0			24.9						14.0	11.7	4.1	1354

UNITED STATES AIR FORCE
 METEOROLOGICAL BRANCH
 WEATHER SERVICE
 WAC

SKY COVER

STATION: ALBUQUERQUE PERIOD: 1981
STATION NAME PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN SKY COVER (TENTHS)	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
NOV.	0-10	4.4			11.0							11.0	11.0	11
	11-20	41.6			1.7							1.7	1.7	17
	21-30	25.0			16.0							16.0	16.0	160
	31-40	1.2			27.6							27.6	27.6	276
	41-50	27.0			11.1							11.1	11.1	111
	51-60	23.7			17.0							17.0	17.0	170
	61-70	27.6			11.7							11.7	11.7	117
	71-80	44.0			1.0							1.0	1.0	10
	81-90													
	91-100													
TOTALS					1.1							1.1	1.1	11

LOCAL OBSERVATION STATION
 NAME
 LOCATION

SKY COVER

DATE: 11-27-54 TIME: 12:00 WEATHER: BKN
 STATION NAME: LOCATION: WEATHER: MONTH: YEAR:

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS	TOTAL	
		0	1	2	3	4	5	6	7	8	9			10
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
11	24				10.0						10.0	10.0	10.0	74
TOTALS					10.0						10.0	10.0	10.0	74

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 of occurrence of temperature by 0-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 collection 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. Mean 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.

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 form. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (s). 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.

d. The relative humidity used in this summary was not reported prior to 1941; the relative humidity used was not reported prior to 1944, nor subsequent to June 1958; and was computed by means of the formula 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.

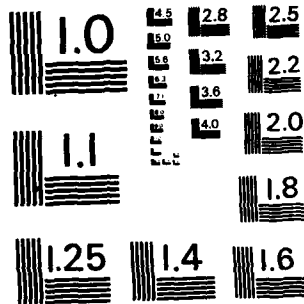
AD-A128 111

VANCE AFB OKLAHOMA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 02 DEC 82
UNCLASSIFIED USAFETAC/DS-82/061 SBI-AD-E850 361 F/G 4/2

4/6

NL

The table consists of 10 columns and 15 rows. The first row is empty. The remaining 14 rows are almost entirely filled with black redaction marks, obscuring the data. Only a few small white rectangular areas are visible within the grid, likely representing unredacted data points or specific markers.



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

2

GLOBAL CLIMATOLOGY BRANCH
 AFSE/TAC
 AIR WEATHER SERVICE/MAC
 723535 WANCE AFB OK STATION NAME

42-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1						.1	.3	.3					.1
2						.5	4.5	3.6	.1				.7
3				.1	.1	4.8	20.3	17.9	2.5				3.9
4				.2	1.5	20.9	49.2	43.1	12.6	.5			17.8
5			.4	1.6	9.8	47.8	72.0	67.3	29.7	5.1			19.7
6		.2	1.5	7.3	25.7	70.5	87.3	83.5	48.6	13.6	.3		26.5
7	.2	.6	6.0	19.3	46.6	86.6	96.0	92.9	67.0	29.3	1.7	.1	37.4
8	.5	3.1	11.6	35.1	65.5	94.6	99.2	97.4	81.7	47.6	7.3	.4	45.5
9	1.7	6.1	22.7	52.1	81.8	98.5	99.6	99.6	90.3	63.5	18.4	2.2	53.3
10	5.5	15.8	34.6	67.4	92.1	99.6	99.8	99.8	95.7	76.6	34.2	8.3	60.6
11	13.4	25.9	49.4	81.6	96.7	99.9	100.0	100.0	98.5	88.7	46.7	18.0	66.2
12	25.2	37.9	61.4	91.2	98.7	100.0			99.6	94.9	62.7	29.7	75.1
13	39.5	52.2	73.1	96.3	99.7				99.9	97.7	75.0	45.1	81.5
14	51.9	64.7	83.2	99.0	99.8				100.0	99.5	85.5	62.2	87.1
15	64.1	75.1	90.9	99.6	100.0					100.0	92.8	75.3	91.5
16	74.8	84.9	95.7	99.9							97.5	85.5	94.8
17	83.9	92.2	98.4	100.0							99.6	93.0	97.2
18	85.5	96.7	99.4								100.0	96.7	98.5
19	94.9	99.6	99.8									99.3	99.4
20	98.0	99.9	99.9									99.9	99.8
21	99.0	100.0	100.0									100.0	100.0
22	100.0												100.0
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	44.0	49.8	58.3	69.5	77.9	88.1	93.4	92.2	83.2	72.8	57.9	47.8	69.6
SD	14.014	13.626	13.604	10.694	9.232	7.740	7.327	7.904	9.920	10.676	11.779	12.522	20.283
TOTAL OBS	1177	1444	1126	1091	1103	1120	1143	1166	1114	1152	1133	1147	13513

2

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

STATION 723535 VANCE AFB OK STATION NAME

42-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90							.3	.1					.5
85						.3	1.2	.3					.1
80						1.9	4.7	3.8	.5				.9
75				.2	1.2	12.7	29.4	23.2	4.3	.1			4.0
70				.8	6.8	38.4	71.4	65.5	21.0	1.6			16.9
65			.4	4.5	19.9	68.5	93.2	87.9	43.1	6.3			27.2
60	.1		2.0	14.3	44.4	88.8	98.6	97.8	64.5	17.6	1.8	.2	36.1
55	.3	.6	4.9	27.6	68.0	96.7	99.9	99.6	83.9	35.6	5.4	1.0	43.8
50	.8	1.9	11.1	46.4	84.2	99.6	100.0	100.0	94.5	58.5	12.6	1.5	51.1
45	2.2	5.4	22.0	65.1	93.5	100.0			98.6	77.8	23.5	3.7	57.7
40	6.1	14.9	38.8	82.0	98.2				99.8	89.9	42.7	10.5	65.3
35	16.2	29.4	57.2	92.9	99.9				100.0	96.9	63.7	24.9	73.4
30	23.9	38.6	65.7	95.3						98.3	72.5	34.1	77.3
25	37.0	52.9	77.0	97.9	100.0					99.4	81.9	50.9	83.0
20	57.9	72.2	89.4	99.8						99.8	93.2	71.9	90.3
15	71.7	85.2	95.5	99.9						100.0	97.4	86.5	94.7
10	83.3	93.4	97.8	100.0							99.4	93.6	97.3
5	91.8	98.0	99.0								100.0	97.1	98.6
0	96.4	99.5	99.6									99.2	99.6
-5	99.2	99.9	100.0									100.0	99.9
-10	99.8	100.0											100.0
-15	100.0												100.0
MEAN	25.1	29.6	36.8	48.5	57.8	67.4	71.9	75.6	62.4	51.2	38.0	29.0	49.0
S D	10.390	9.568	10.423	9.571	8.100	6.339	5.015	5.274	7.826	8.747	9.561	9.062	10.484
TOTAL OBS.	1177	1044	1124	1091	1103	1120	1143	1166	1114	1152	1130	1147	13513

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 723535 VANCE AFB OK
 STATION STATION NAME

DAILY TEMPERATURES

42-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
25						2.3	10.3	6.8					.2
30					.5	16.9	41.8	33.5	6.9				1.9
35				.3	7.1	44.3	73.0	64.5	24.0	1.5			3.4
40			.2	3.7	22.3	71.5	91.9	86.9	45.1	6.9	.1		19.1
45			2.0	14.2	46.0	89.2	98.5	96.7	67.6	21.5	.7		27.6
50		.8	6.9	31.2	67.7	97.0	99.6	99.7	85.8	41.9	4.4	.1	35.6
55	.6	2.6	14.5	50.0	85.6	99.8	100.0	99.9	93.4	62.6	12.9	1.3	44.8
60	2.5	8.9	27.6	67.7	93.5	99.9		100.0	98.3	81.5	27.3	3.9	52.1
65	8.5	20.0	45.2	84.5	98.7	100.0			99.6	91.4	45.3	12.3	59.3
70	19.9	35.8	61.2	94.3	99.6				99.9	97.2	64.3	27.5	67.1
75	37.3	53.0	77.8	98.4	100.0				100.0	99.6	80.7	48.4	75.0
80	55.0	70.6	87.9	99.8						99.9	92.3	68.4	82.9
85	69.8	82.2	95.2	99.9						100.0	96.7	82.5	89.5
90	81.5	91.7	98.0	100.0							99.3	91.6	93.8
95	88.2	96.1	99.1								99.9	96.7	96.6
100	94.4	99.3	99.6								100.0	98.7	98.3
105	98.1	99.9	100.0									99.8	99.3
110	99.6	100.0										100.0	99.8
115	100.0											100.0	100.0
120													100.0
MEAN	34.7	39.9	47.7	59.2	68.0	77.9	82.8	81.6	73.2	62.2	48.2	38.6	59.5
S D	11.47	10.89	11.17	9.25	8.00	6.53	5.67	6.04	8.20	8.80	9.78	9.65	18.99
TOTAL OBS	1177	1144	1126	1091	1103	1120	1103	1166	1114	1152	1130	1147	13513

FEDERAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION NUMBER: 42-61

STATION

STATION NAME: WANCE AFB TX

STATION NAME

42-61

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42	7	69	78	86	94	96	102	102	92	84	80	66	82
43	8	78	83	88		76	104	109	95	85	78	62	
44	50	76	72	81	93	101	101	105	101	87	80	72	105
45	6	68	82	82	93	95	99	104	100	84	87	72	104
46	71	75		*	92	100	103	109	91	80	70	74	
47	65												
48		67	65	76	86	92	99	105	100	97	91	80	74
49	79	75	85	89	98	102	93	98	91	93	77	73	102
50	72	78	84	90	92	96	106	110	105	96	71	79	110
51	70	71	78	87	92	104	108	109	98	96	82	68	109
52	75	72	86	92	103	110	104	99	104	95	77	63	110
53	67	81	83	96	88	102	114	106	102	96	81	69	114
54	66	74	87	94	91	94	102	101	97	88	75	83	102
55	68	80	86	90	99	103	104	107	102	95	81	74	107
56	73	73	78	80	87	97	102	104	101	90	80	66	104
57	60	72	84	90	99	107	102	101	97	92	77	67	107
58	67	73	84	90	94	101	97	102	98	84	75	71	102
59	59	72	81	85	89	102	103	101	95	90	76	65	103
60	* 64*	72*	78*	90*	91*	95*	100*	100*	99*	84*	70*	65	* 100
61	* 73*	85*	82*	86*	95*	93*	101*	104*	97*	92*	71*	69	* 104
62	* 69*	74*	85*	91*	93*	95*	103*	103*	93*	94*	79*	66	* 103
63	* 74*	56*	78*	86*	93*	96*	105	108*	97	82*	78*	63	108
64	* 71*	74	75	86*	88	96*	102	99*	102	95*	77*	73	* 102
65	* 63*	67	86	85*	92	96*	103	102*	88	91*	81*	78	* 103
66	* 81*	72	90	86*	98	97*	103	100*	87	86*	71*	62	* 103
67	* 60*	53	81	84*	88	97*	99	104*	93	88*	70*	65	104
68	* 68*	75*	80	81*	92	99*	106	111*	97	91*	78*	70	111
69	* 50*	77	75	90*	92	102*	108	110*	103	87*	73*	77	110
70	* 75*	72	92	88*	95	100*	107	99*	102*	86*	78*	66	* 107
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

(AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

42-35
 STATION

Air Force Base OK

STATION NAME

42-35

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
72	* 62*	80	85	100*	95	98*	102	101*	98*	91*	71*	68	* 102
73	* 61*	65*	75	85*	97	95*	99	101*	92*	86*	81*	68	101
74	* 60*	69	93	80	93	99	106	99	92	84	73	60	106
75	61	59	80	85	86	94	99	100	93	91	78	74	100
76	66	81	87	85	85	99	102	103	99	91	71	68	103
77	58	75	83	87	91	98	103	97	96	89	74	71	103
78	57	55	81	80	87	98	107	104	103	94	82	73	107
79	43	64	80	81	84	98	103	98	95	94	73	63	103
80	68	76	75	86	91	107	107	107	100	91	87	70	107
81	76	85	79	90	89	103	109	103	98	91	73	68	109
MEAN	67.7	72.8	81.5	86.7	91.7	99.5	103.4	103.2	98.3	89.8	77.3	62.5	105.8
S.D.	6.927	6.959	5.977	4.811	4.769	3.776	4.143	3.993	3.926	4.493	4.300	5.653	3.537
TOTAL OBS.	1177	1044	1126	1093	1103	1120	1143	1166	1114	1152	1130	1147	13513

NOTES * (BASED ON LESS THAN FULL MONTHS)

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/440

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72135 VANCE AFB TX

42-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

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

CENTRAL CLIMATOLOGY BRANCH
 AF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

12955 VANCE AFB TX STATION NAME 42-21 YEARS
 STATION YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
71	-	2*	8	20	31*	44	53*	57	64*	45*	33*	25*	6	*
72	*	1*	15*	34	28*	40	54*	63	62*	44*	35*	32*	8	*
74	*	0*	19	17	30	48	54	63	57	46	38	18	10	*
7		1	4	19	19	47	52	58	66	43	32	15	7	
76			13	15	30	40	54	60	62	44	23	11	7	
77			17	22	26	56	57	65	64	59	38	28	13	
77			5	11	33	43	56	66	59	51	30	13		
78			4	26	12	40	52	65	58	51	19	21	9	
7		11	12	9	31	47	59	69	68	47	28	24	14	
81		18	3	27	38	43	55	70	61	47	35	26	16	
MEAN	6.7	11.0	16.5	30.8	43.2	54.8	63.1	60.7	48.5	33.3	19.6	11.9	4.1	
S.D.	7.925	6.293	7.077	4.258	6.213	4.000	4.157	4.365	5.326	4.699	5.393	5.457	5.788	
TOTAL OBS.	1177	1044	1126	1091	1103	1120	1143	1166	1114	1152	1130	1147	12513	

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

(AT LEAST ONE DAY LESS THAN 24 OBS)

SERIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723535 VANCE AFB OK 74-81 JAN 1970-0200
STATION STATION NAME YEARS MONTH HOURS (L, S, T)
PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
5 / 65				.5																											4	4				
6 / 63					.2			.7																							3	3	1			
7 / 61						.2		.3																						3	3		1			
8 / 49			.2	.2	.2	.6	.2																							5	9	3				
9 / 45			.5	.3	.6	.2																								13	13	1	1			
10 / 43			.3	.3	.2	.2																								7	7	2	2			
11 / 41			.5	1.2	1.4	.2																								10	17	12	4			
12 / 39	.5	1.2	1.1	1.5	.5																									21	21	12	4			
13 / 37		2.0	1.7	2.5	.6																									45	45	24	12			
14 / 35	.8	2.1	2.5	1.7																										42	43	24	19			
15 / 33	1.4	2.1	5.7	1.1																										67	67	56	36			
16 / 31	.1	2.5	6.3	.8																										69	69	47	35			
17 / 29	.5	2.0	3.2	.6																										42	42	21	21			
18 / 27		1.5	3.1	.2																										37	37	24	22			
19 / 25		2.9	2.6	.3																										38	38	40	52			
20 / 23		2.5	1.5	.3																										28	28	33	33			
21 / 21		2.8	.9	.2																										24	24	22	50			
22 / 19	.2	4.3	2.5	.5																										43	43	25	55			
23 / 17		2.9	1.1	.3																										28	28	39	39			
24 / 15	.2	2.9	.5																											23	23	34	27			
25 / 13		1.5	.3																											12	12	24	44			
26 / 11		1.5	.3																											12	12	15	35			
27 / 9	.2	2.2																												14	14	13	18			
28 / 7		1.1																												7	7	13	18			
29 / 5		.8																												5	5	9	25			
30 / 3		.5																												3	3	4	17			
31 / 1		.2																												1	1	3	15			
32 / -1																																	10			
33 / -3																																	7			
34 / -5																																	10			
35 / -7																																	11			
36 / -9																																	9			
37 / -11																																	2			

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727535 LANCE AFB TX
 STATION STATION NAME

73-81
 YEARS

JAN
 MONTH

PAGE 1 0310-7510
 HOURS (U.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
7/50				.4						.1																								4	4		
7/51										.1																								1	1		
7/45			.1					.4	.7																									6	6		
7/47			.1			.4	.4	.1																										8	8	1	7
7/48				.1		.4	.7																											6	5	1	1
4/43			.4			.5	.7																											7	7	0	1
7/47		1.7	.9	.6	.1																												23	21	12	12	
7/37	.1	.4	1.6	.2	.1																												12	22	24	20	
7/37	.5	2.1	2.1	1.	.1																												28	42	35	27	
7/38	.8	3.3	2.3	1.3																													12	32	28	27	
7/33	1.3	3.9	4.3	.5																													63	53	46	29	
7/31	.9	3.4	5.0	.7																													76	76	47	47	
7/31	.7	3.1	4.3	.4																													60	55	42	35	
7/27	.1	3.9	3.3																														61	51	41	42	
7/25	.7	4.2	1.9	.1																													78	76	41	49	
7/27	.7	2.6	1.4	.1																													78	79	45	48	
7/27	.1	2.7	1.7	.1																													73	59	48	44	
7/17	.1	5.0	1.1	.6																													47	47	42	45	
7/17	.4	4.3	1.1																														74	54	47	39	
7/17	.3	3.2	1.1																														71	50	41	38	
7/17	.2	2.4	.7																														45	40	44	32	
1/11	.1	1.3																															17	17	25	41	
7/7	.1	1.9																															17	17	11	29	
7/7	.3	1.3																															18	16	16	23	
7/7	.1	1.4																															4	4	16	19	
7/7	.4	.4																															3	4	8	20	
7/7	.4	.4																															3	3	3	17	
7/7																																				17	
- / -																																				13	
- / -																																					10
- / -																																					13
- / -																																					4
7-11																																					8

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 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

700135 WANCE AFB OK
 STATION STATION NAME

70-81
 YEARS

YEARS

JAN
 MONTH

PAGE 1 0000-0000
 HOURS 11.5 T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL				TOTAL			
	0	1	2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	11	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point					
TOTAL	51.1	13.5	7.9	1.9	0.7																							678	678								
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	345534	4825	69.11	338	698	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	73																									
Dry Bulb	1561	19249	27.61	73	698		61.6					93																									
Wet Bulb	49797	17417	25.0	9.522	698	7.7	75.9					93																									
Dew Point	332577	12846	18.41	1.745	698	7.7	83.4					93																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AT LEATH R. SEP. 20, 1940

PSYCHROMETRIC SUMMARY

73-32 STATION NAME YEARS MONTH HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point					
7-1																																							794	795	794

USAFETAC FORM 0-26-5 (O.L.A.) 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		
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	42575	56079	70.913	9.139	794	0	55.9					93
Wet Bulb	34561	49257	61.912	9.694	794	0	74.1					93
Dew Point	381240	44524	56.072	10.72	794	P.1	83					93

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

PSYCHROMETRIC SUMMARY

STATION: WACO AFB TX STATION NAME: WACO YEARS: 1970-71 MONTH: JULY
 TOTAL HOURS: 24 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														
57																		1	7																
56		.4	.1	.1														7	7	1	1														
55		.4	.1	.1														7	7	1	1														
54		.4	.1	.1														7	7	1	1														
53		.4	.1	.1														7	7	1	1														
52		.4	.1	.1														7	7	1	1														
51		.4	.1	.1														7	7	1	1														
50		.4	.1	.1														7	7	1	1														
49		.4	.1	.1														7	7	1	1														
48		.4	.1	.1														7	7	1	1														
47		.4	.1	.1														7	7	1	1														
46		.4	.1	.1														7	7	1	1														
45		.4	.1	.1														7	7	1	1														
44		.4	.1	.1														7	7	1	1														
43		.4	.1	.1														7	7	1	1														
42		.4	.1	.1														7	7	1	1														
41		.4	.1	.1														7	7	1	1														
40		.4	.1	.1														7	7	1	1														
39		.4	.1	.1														7	7	1	1														
38		.4	.1	.1														7	7	1	1														
37		.4	.1	.1														7	7	1	1														
36		.4	.1	.1														7	7	1	1														
35		.4	.1	.1														7	7	1	1														
34		.4	.1	.1														7	7	1	1														
33		.4	.1	.1														7	7	1	1														
32		.4	.1	.1														7	7	1	1														
31		.4	.1	.1														7	7	1	1														
30		.4	.1	.1														7	7	1	1														
29		.4	.1	.1														7	7	1	1														
28		.4	.1	.1														7	7	1	1														
27		.4	.1	.1														7	7	1	1														
26		.4	.1	.1														7	7	1	1														
25		.4	.1	.1														7	7	1	1														
24		.4	.1	.1														7	7	1	1														
23		.4	.1	.1														7	7	1	1														
22		.4	.1	.1														7	7	1	1														
21		.4	.1	.1														7	7	1	1														
20		.4	.1	.1														7	7	1	1														
19		.4	.1	.1														7	7	1	1														
18		.4	.1	.1														7	7	1	1														
17		.4	.1	.1														7	7	1	1														
16		.4	.1	.1														7	7	1	1														
15		.4	.1	.1														7	7	1	1														
14		.4	.1	.1														7	7	1	1														
13		.4	.1	.1														7	7	1	1														
12		.4	.1	.1														7	7	1	1														
11		.4	.1	.1														7	7	1	1														
10		.4	.1	.1														7	7	1	1														
9		.4	.1	.1														7	7	1	1														
8		.4	.1	.1														7	7	1	1														
7		.4	.1	.1														7	7	1	1														
6		.4	.1	.1														7	7	1	1														
5		.4	.1	.1														7	7	1	1														
4		.4	.1	.1														7	7	1	1														
3		.4	.1	.1														7	7	1	1														
2		.4	.1	.1														7	7	1	1														
1		.4	.1	.1														7	7	1	1														
0		.4	.1	.1														7	7	1	1														
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 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723035 VANCE AFB TX 72-81 72-81
 STATION MONTH YEARS
 PAGE 1 1972-1972
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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																																				9	
/-13																																				1	
/-12																																				3	
/-11																																				4	
TOTAL	7.4	57.1	132.4	15.9	6.7	2.3	.4	.4																											824	824	824

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.	2743.95	52973	65.5	15.890	824							
Dry Bulb	223445	25697	31.1	11.318	824		48.7					93
Wet Bulb	713933	22711	27.6	17.339	824		58.7					93
Dew Point	464353	16549	20.1	12.688	824	6.7	80.1					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

73-35 VANCE AFB TX 73-81 JAN 1950-1950
 STATION STATION NAME YEARS MONTH PAGE 120-140
 HOURS (L.S.T.)

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

PSYCHROMETRIC SUMMARY

72353E VANCE AFB OK STATION NAME 73-81 STATION

73-81 YEARS

JAN 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																	
/ 1																																				13	
/ 2																																				12	
/ 3																																				7	
/ 4																																				4	
/ 5																																				6	
/ 6																																				3	
/ 7																																				1	
/ 8																																				1	
/ 9																																				1	
/ 10																																				1	
/ 11																																				1	
/ 12																																				1	
/ 13																																				1	
/ 14																																				1	
/ 15																																				1	
/ 16																																				1	
/ 17																																				1	
/ 18																																				1	
/ 19																																				1	
/ 20																																				1	
/ 21																																				1	
/ 22																																				1	
/ 23																																				1	
/ 24																																				1	
/ 25																																				1	
/ 26																																				1	
/ 27																																				1	
/ 28																																				1	
/ 29																																				1	
/ 30																																				1	
/ 31																																				1	
TOTAL		0.32	.323	.17	.314	.41	.2	.6	.6	3.3	1.1	.7	.4	.1																					823	826	923

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	231167	45043	55.7	18.377	823	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	108454	70942	37.5	13.455	826		34.9	3				93
Wet Bulb	26746	26120	31.7	11.017	823		43.9					93
Dew Point	51304	17744	21.6	12.597	823	4.7	76.6					93

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

FEDERAL BUREAU OF SURVEY
 CLIMATOLOGY BRANCH
 WASHDC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723535 HANCE AFB OK 73-81 73-81 JAN. 1970-1700
 STATION STATION NAME YEARS MONTH HOURS

PAGE 1 1970-1700
 HOURS

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																		
1/78												.1	.1																									
1/71																		.1																				
5/67											.1											.4																
6/65						.1				.1	.1	.1	.5	.4																								
4/63								.4	.1			.5	.5																									
1/61					.2	.1	.1	.2	.2	.6	.2																											
1/59			.1			.2	.5	.2	.2	.1																												
1/57			.2			1.1	.9	.4	1.2	.4																												
5/55		.1	.1		.5	1.2	1.2	1.1	.9																													
4/53		.2	.1	.2	.5	.2	1.6	1.0	.1																													
1/51		.1		.1	.5	1.6	1.1	1.1																														
1/49			.2		.4	1.1	2.6	.4	.2																													
4/47		.7	.2	.1	1.1	1.0	.2																															
4/45				1.1	.7	2.1	.2																															
4/43			.4	1.2	1.1	.6	1.4	.2																														
2/41	.1	.5	.4	1.6	.6	.1	.1																															
4/39	.2	1.4	.7	1.1	.5	.5	.2																															
7/37	.4	.9	1.1	1.1	1.1	.1																																
1/35	.4	1.1	1.8	2.2	1.1																																	
3/33	.2	.7	1.8	1.5	.5	.2																																
1/31	.2	1.6	1.1	1.5	1.1																																	
1/29	.1	.5	1.5	1.2	.1																																	
1/27		.4	1.5	.5	.4																																	
1/25		.9	1.7	.2	.2																																	
1/23		.4	.7	.5																																		
2/21		1.5	2.1	.6																																		
1/19		2.5	1.1	.2																																		
1/17	.2	1.7	.6	.4																																		
1/15		1.7	.5																																			
1/13		.7	.9																																			
1/11	.6	.4																																				
1/9	.1	.7																																				
1/7																																						
1/5																																						
1/3																																						
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	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 8-63 0-26-5 (OL A) REVERSE NUMEROUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703535 WACV AFB OH 73-81 JAN 1522-17.6
 STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																				
/ 3																																					17				
/ -1																																							2		
/ -2																																							2		
- / -3																																							2		
- / -5																																								2	
- / -7																																								2	
- / -9																																									2
- / -11																																									2
-1 / -13																																									2
- / -17																																									2
- / -19																																									2
TOTAL	1.7	10.1	20.2	16.0	12.0	9.6	7.5	5.7	5.2	2.7	1.2	.4	.6	.1																						812		812	812		

USAFETAC FORM 121 44 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	
Ref. Num.	2050224	43616	53.7	19.470	812							
Dry Bulb	1479649	31867	39.2	14.062	812		30.4	8				93
Wet Bulb	975015	26667	32.8	11.062	812		42.3					93
Dew Point	519124	17852	22.0	12.496	812	3.8	74.6					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723035 VANCE AFB TX 73-81 JAN 1950-2000
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

PAGE 1870-2000
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							
47/63																		1	1									
47/59																		3	3									
47/57			.1	.1														2	2									
47/55		.1		.1	.1													6	6									
47/53		.3	.1	.8	.4	.3												11	11		2							
47/51		.1	.7	.5	.3	.8												11	11		3							
47/49		.3	.3	.4	1.2	.4	.1											13	13		3							
47/47		.5	.5	.1	1.7	1.1	.5											13	13		3							
47/45		.5	.9	1.6	2.7	.5												14	14		4							
47/43		.3	1.1	1.2	1.7	.3												14	14		4							
47/41	.1	.6	1.1	2.1	1.6	.8												14	14		4							
47/39		.9	.9	1.6	1.7													19	19		11							
47/37	.7	1.6	1.1	2.3	1.7													19	19		11							
47/35	.8	1.3	2.3	1.3	.5	.1												14	14		11							
47/33	.4	1.9	3.3	1.6	.5													16	16		12							
47/31	.1	2.5	3.6	1.9	.1													16	16		12							
47/29		1.1	1.6	1.1	.1													19	19		14							
47/27		.9	2.7	1.1	.4													18	18		14							
47/25		.5	2.5	.1														14	14		11							
47/23		.9	1.3															17	17		14							
47/21		1.6	2.1															16	16		14							
47/19	.1	2.7	1.1	1.3														19	19		14							
47/17	.1	1.7	.7															16	16		14							
47/15		2.4	.8	.1														25	25		19							
47/13		.8	.7															11	11		14							
47/11	.1	1.5	.1															13	13		14							
47/9		1.1	.3															10	10		14							
47/7		.4																7	7		14							
47/5		.1																1	1		14							
47/3																					14							
47/1																					14							
47/-1																					8							
47/-3																					11							
47/-5																					7							
Element (K)	ΣK^2	ΣK	\bar{K}	σ_K	No. Obs.	Mean No. of Hours with Temperature						Total																
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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

FEDERAL CLIMATOLOGY BRANCH
WASH DC METAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

023335 ANCO AFB OK 73-01 73-01 JAN 1953
STATION STATION NAME YEARS MONTH PAGE 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																			
-7																																								5
-6																																							7	
-5																																							1	
-4																																								4
-3																																							1	
-2																																							1	
-1																																							1	
0																																							1	
TAL	2.26	6.62	9.41	9.11	7.5	5.5	2.4	1.1	.4																													752	752	
Element (X)	$\Sigma x'$	Σx^2	Σx^3	Σx^4	No. Obs.	Mean No. of Hours with Temperature					Total																													
Rel. Hum.	2771.17	45599	60616.571		752	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	93																												
Dry Bulb	78910	25720	34211.495		752		39.1					93																												
Wet Bulb	74478	22372	29819.987		752		53.5					93																												
Dew Point	42486	15840	21112.38		752	5.7	77.7					93																												

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72735 WANCE AFB OK 73-81 JAN MONTH
 STATION STATION NAME YEARS
 PAGE 1 240-270 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
55			.4																																5	5		
53				.7																															7	7		7
51					.1																														4	4		
49																																			7	7		
47																																			5	5		
45																																			15	15		7
43																																			75	75	71	4
41																																			72	75	71	4
39																																			44	44	75	8
37																																			72	52	43	13
35																																			53	53	40	15
33																																			63	63	56	19
31																																			53	53	71	31
29																																			46	46	34	12
27																																			71	31	4	51
25																																			17	17	79	44
23																																			27	27	75	50
21																																			41	41	79	50
19																																			17	17	79	50
17																																			14	14	76	43
15																																			17	17	74	43
13																																			15	15	74	37
11																																			10	10	70	3
9																																			8	8	7	19
7																																			3	3	7	14
5																																			1	1	2	16
3																																			2	2	2	11
1																																						8
-1																																					16	
-3																																					7	
-5																																					12	
-7																																					7	
-9																																					1	
-11																																					1	
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.						0 F	32 F	67 F	73 F	80 F	93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

CENTRAL CLIMATOLOGY BRANCH
 COMPTON
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

NO. 155 STATION NAME VANCE AFB TX 71-81 YEARS MONTH JAN
 STATION NAME STATION NAME STATION NAME STATION NAME STATION NAME
 PAGE 1 0000-0000
 HOURS 0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					31
Tot	1.4	3.7	25.9	20.2	6.7	2.4																												67.5	67.5	67.5
<p style="font-size: small;">Element (X) Σ X' Σ X X σ_x No. Obs. Mean No. of Hours with Temperature</p> <p style="font-size: x-small;"> ± 0 F ± 32 F ± 67 F ± 73 F ± 80 F ± 93 F Total </p>																																				
Ref Num.	3	05063	43059	64.81	1.127	67 ^A																														
Dry Bulb	7	18563	27915	37.81	0.418	67 ^A																													93	
Wet Bulb	5	6448	1855	27.4	0.436	67 ^A																													93	
Dew Point	3	56250	13410	19.81	1.595	67 ^A																													93	

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

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL BRANCH
 U.S. WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: WAGLA AIR FLD STATION NAME: WAGLA AIR FLD YEARS: 73, 75-81 MONTH: SEP
 DATE: 10/1/81 HOURS: 15

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point		
70																																						
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
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98																																						
99																																						
100																																						
Σ X ²																																						
Σ X																																						
\bar{X}																																						
σ^2																																						
No. Obs.																																						
Mean No. of Hours with Temperature																																						
Rel. Hum.																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-5 (DLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 MA 86

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727534 RANDOLPH AFB TX STATION NAME 73-81 YEARS FEB 1960-1960
 STATION MONTH HOURS S. Y.

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Wet Bulb	Dew Point	
/ 72																																					
/ 73			.6	.1																																	
/ 74			.7	.1	.7					.1																											
/ 75			.1	.3																																	
/ 76			.4	.4	.3																																
/ 77			.7	.5	.5	.1				.1																											
/ 78			.6	.1	.2	.7	.4			.7	.1																										
/ 79		.4	1.1	1.1	1.4	1.7	.4			.7																											
/ 80		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 81		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 82		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 83		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 84		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 85		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 86		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 87		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 88		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 89		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 90		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 91		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 92		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 93		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 94		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 95		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 96		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 97		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 98		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 99		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 100		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 101		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 102		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 103		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 104		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 105		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 106		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 107		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 108		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 109		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 110		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 111		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 112		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 113		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 114		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 115		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 116		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 117		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 118		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 119		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 120		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 121		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 122		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 123		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 124		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 125		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 126		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 127		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 128		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 129		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 130		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 131		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 132		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 133		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 134		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 135		.4	1.4	1.4	1.4	1.7	.7			.7																											
/ 136		.4	1.4	1.4	1.4	1.7	.7																														

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

PSYCHROMETRIC SUMMARY

STATION WANCE AFB TX STATION NAME 72-61

YEARS

PERIOD

PAGE 1 OF 1
 MONTH 12-14-68
 HOURS 15.7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ 10			.1	.1																																	11		
1 / 11			.2	.3																																3	3	1	
/ 12																																						10	
/ 13																																						1	
/ 14																																						1	
/ 15																																						1	
/ 16																																						1	
/ 17																																						1	
/ 18																																						1	
/ 19																																						1	
/ 20																																						1	
TOTAL			10.72	2.10	12.4	3.7	6.5	6.5	7.7	3.3	1.9	1.1	.7	.4																				756	756	756			

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.	2725323	42591	56.3	20.775	756							
Dry Bulb	1022714	33784	43.8	15.220	756		22.7	7.4	2.8	.7		64
Wet Bulb	1113192	27858	36.8	10.938	756		28.8					64
Dew Point	37535	20431	27.0	10.634	756	.4	59.0					64

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

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

PSYCHROMETRIC SUMMARY

FORM 0-26-5 (OL A) STATION NAME LANCE AFB TX YEAR 70-81 MONTH FEB
 STATION 430335 STATION NAME LANCE AFB TX YEAR 70-81 MONTH FEB
 HOURS 15

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Wet Bulb	Dew Point		
67													.1					.1																				
68													.1	.1																								
69												.1	.2	.4					.4	.1																		
70						.1					.1	.3	.4	.7				.7	.1	.1	.3																	
71					.7					.4	.7	.7	1.0	.4				.4	.1																			
72				.1	.1					.7	.7	.7	.6	.4				.4		.1																		
73		.1	.4	.6	.6					.7	.6	.6	.6	.4				.4																				
74			.1	.3	.7	1.0				.7	.7	.7	.7	.1																								
75			.4	.8	.9	.7	.7			1.0	.9	.6	.5																									
76		.4	1.0	1.5	1.5	1.7	.7			.7	.7	.7	.7	.7																								
77	.1	1.3	1.6	1.5	1.5	1.7	1.7	.9		.9	.9	.9	.9	.9																								
78		1.2	1.6	1.7	1.2	.9																																
79	.4	1.6	1.7	1.2	.7	.1				.1																												
80	.3	1.7	2.3	.7	.1																																	
81	.6	1.3	2.0	.7	.6																																	
82	.4	1.0	1.9	.9	.1																																	
83	.7	1.8	2.2	.1																																		
84		2.2	1.2																																			
85	.4	2.2	.4																																			
86		1.7	.4																																			
87		3.2	1.1																																			
88		1.7	.4																																			
89		.9	.4																																			
90	.3	.7	.4																																			
91		.6																																				
92	.1	.1																																				
93																																						
94																																						
95																																						
96																																						
97																																						
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100																																						
Σ																																						
Σ																																						
R																																						
°																																						
No. Obs.																																						
Mean No. of Hours with Temperature																																						
Σ 0 F																																						
Σ 32 F																																						
Σ 67 F																																						
Σ 73 F																																						
Σ 80 F																																						
Σ 93 F																																						
Total																																						

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

U.S. CLIMATOLOGICAL ADMINISTRATION
 NATIONAL CENTER FOR ENVIRONMENTAL DATA
 5200 AUTHORITY DRIVE, WASHINGTON, D.C. 20541

PSYCHROMETRIC SUMMARY

STATION: 10371 WASH ARB. STATION NAME: WASH ARB. YEARS: 77-81
 DATE: 1988-08-08 HOURS: 3

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
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100.2																																						
Sum	351925	126322	22941	57172																																		
Avg	61.52	40.41	35.11	26.81																																		

USAFETAC FORM 0-26-5 (OL A) 3-68 REVISOR: 03-68
 UNLESS INDICATED OTHERWISE, ALL VALUES ARE IN DEGREES FAHRENHEIT

CLIMATE DIVISION
 METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: LA CLAYTON STATION NAME: LA CLAYTON YEARS: 1961 MONTH: 1
 HOURS: 24

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	De-Po		
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Element (X)	ΣX	ΣX^2	\bar{X}	S^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 800 0-26-5 (JLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C. 20541
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: 1400 ADELPHI STATION NAME: ADDELPHI YEARS: 1951 MONTH: FEB
 HOURS: 210

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

USAFETAC FORM 0-26-5 (OL A) REVISION NUMBER 1 OF THIS FORM MAY BE OBTAINED FROM THE NATIONAL CLIMATOLOGY BRANCH, WASHINGTON, D. C. 20541

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 NATIONAL WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: LAKE ARROWHEAD STATION NAME: LAKE ARROWHEAD YEARS: 1961 PERIOD: ALL MONTHS
 PAGE: 1 HOURS: 5516

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. Wet Bulb	Dry Bulb Dew Point																
100	.2	1.1	.3															174	14	46	74														
95	.1	1.1	.1															67	67	18	24														
90	.1	.6	.1															48	46	71	14														
85	.1	.3	.1															21	31	62	12														
80	.1	.2	.1															21	27	73	7														
75	.1	.2	.1															16	16	21	57														
70	.1	.1	.1															7	7	11	51														
65																				4	28														
60																					14														
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15																					1														
10																					1														
5																					1														
0																					1														
TOTAL		35	522	311	107	4	5.3	7.3	3.1	1.8	1.5	.9	.7	.7	.7	.7		5516		5516	672														

Element (X)	$\Sigma X'$	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	25472418	3568854	69.11963		5516							672
Dry Bulb	893426	27625	37.614251		5517		769.8	27.0		8.7		672
Wet Bulb	562886	181376	32.917987		5516		332.7					672
Dew Point	421292	13996	25.417096		5516	17.4	503.8					672

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

720035 LANCE AFB TX STATION NAME 72-81 YEARS MONTH

PAGE 1 OF 12 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point														
4 / 57		.1	.1	.2														4	4																
4 / 59	.1	.4	.1	.5	.1													12	22																
4 / 57	.1	.4	.6	.6	.4													22	32	13	6														
5 / 55	.1	.7	.6	.4	.2	.1												17	17	16	17														
5 / 57	.1	.6	.4	.6	.5	.1	.1											18	20	13	11														
5 / 51		2.1	1.4	.9	1.1	.2		.1										47	47	19	14														
6 / 45	.5	3.5	1.1	.7	1.4	.4	.1	.1										63	63	77	22														
6 / 47	.4	1.1	.4	.5	.5	.2												72	32	45	10														
6 / 45	.2	3.1	1.9	1.6	1.1													62	62	78	21														
4 / 47	.1	1.4	1.7	2.1	1.1	.4												54	54	54	10														
7 / 41	.2	1.2	3.1	1.1	1.7	.1												54	54	42	10														
7 / 37	.1	2.5	2.7	1.1	.4													58	58	60	10														
7 / 37	.2	2.9	3.5	1.9	.1													69	69	72	16														
7 / 35	.4	2.7	2.7	1.5														59	59	75	10														
8 / 33		3.1	3.5	.2														55	55	71	11														
8 / 31	.1	2.7	2.8	1.1														52	52	63	13														
8 / 31		1.7	2.7	.1														37	37	53	14														
8 / 27	.1	1.4	.4	.1														16	16	32	6														
8 / 25	.2	.7	.4															11	11	40	6														
8 / 23		.7																6	6	7	1														
8 / 21		.7	.1															7	7	14	1														
8 / 19		.6	.1															3	3	3	1														
8 / 17		.4																3	3	6	1														
8 / 15		.2																2	2	5	1														
8 / 13		.4																3	3	2	1														
8 / 11	.4	.5																7	7	7	1														
8 / 9		.1																1	1	4	1														
8 / 7																					1														
8 / 5																					1														
8 / 3																					1														
8 / 1																					1														
TOTAL	4.137	.631	1.315	.1	1.4	2.0	.7	.5										871	871	871	93														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	4425356	58306	72.815	0.049	801	$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb	1428947	32855	41.017	0.032	801		17.8					93																							
Wet Bulb	124451	37085	37.5	0.649	801		28.7					93																							
Dew Point	947333	25981	32.411	0.419	801		51.8					93																							

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

FEDERAL BUREAU OF SURVEY
 FEDERAL BUREAU OF INVESTIGATION
 AND SERVICE CENTER

PSYCHROMETRIC SUMMARY

STATION: LAOCL AFB, LA

YEARS: 73-81

MONTH:

DATE: 2022-11-20

HOURS: 5:00

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14-15	16	17	18	19	20-21	22	23	24-25	26	27	28-29	30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point										
7 / 77																																					
7 / 75								.1						.1		.1																					
7 / 73							.1	.1						.1																							
7 / 71				.2			.4	.2	.1																												
7 / 69				.1	.1	.1	.1	.1	.1																												
7 / 67			.1	.2	.6	.2	.1	.1	.2																												
6 / 65		.1	.4	.4	.3	.1	.1	.1	.6																												
4 / 62		.4	.6	.5	.4	.5	.4	.1	.4	.1																											
7 / 61		.4	.6	.5	.4	.6	.3	.6	.2	.1																											
7 / 59		.2	.6	.7	.7	.8	.5	1.2	.5																												
7 / 57		.7	.8	.6	.7	1.1	1.1	.5	.2																												
5 / 55		.6	.6	.6	.7	1.1	1.4	.6	.2																												
7 / 53	.1	1.0	1.1	1.1	.7	1.7	1.1	.4																													
7 / 51	.2	1.0	.6	1.1	1.2	1.1	.5	.1																													
7 / 49	.4	1.7	1.7	1.4	1.1	1.2	.5																														
7 / 47		1.9	.3	1.7	1.6	.4	.2																														
7 / 45	.1	1.3	1.1	2.0	1.7	.2	.1																														
4 / 43		.7	2.3	1.9	1.1	.2	.1																														
2 / 41		1.2	1.4	1.6	.6	.4																															
7 / 39	.2	.8	1.0	1.3	.7	.1																															
7 / 37		.5	1.2	1.2	.4																																
7 / 35		1.0	1.4	1.4	.1																																
2 / 33		.1	.0	.4	.1																																
7 / 31		1.2	1.0	.6																																	
7 / 29	.1	.2	.7	.7																																	
7 / 27	.1	.2	.5	.2																																	
7 / 25		.7	.2																																		
7 / 23		.1	.1																																		
2 / 21		.5	.7																																		
7 / 19		.1	.2																																		
1 / 17		.0	.0																																		
1 / 15		.2																																			
1 / 13	.1																																				
1 / 11																																					

Element (X)	$\Sigma X'$	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 54 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

127705 WANDL AFB TX STATION NAME YEARS MONTH 1950-1951 HOURS U.S.T.

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

Element (K)	ΣX	ΣX^2	\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.	757629	51939	61.21	0.164	837							93
Dry Bulb	7787	48465	48.51	1.067	837		3.6	4.	.0			93
Wet Bulb	156938	7862	47.5	0.516	837		17.4					93
Dew Point	112768	79124	34.81	1.707	837		42.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: YANCO AFB TX STATION NAME: YACO YEARS: _____
 MONTH: _____
 PERIOD: 10-10-1960
 HOURS: 15

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point						
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USAFETAC FORM 34 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20535

PSYCHROMETRIC SUMMARY

STATION: A. C. W. F. S. 2 STATION NAME: 77881 YEARS: 1950-1950
 MONTH: JAN
 PERIOD: 1950-1950 HOURS: 1500-3000

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

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722035 VAUCE AFB TX 722035 YEARS 1960-1961
 STATION MONTH
 PAGE 1 2100-0700
 HOURS 0157

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. Wet Bulb	Dew Point														
12	1.21	1.32	1.45	1.58	1.71	1.83	1.95	2.07	2.19	2.31	2.43	2.55	2.67	2.79	2.91	3.03	3.15	689	689														

Element (X)	Σ X'	Σ X	R	s _n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≥ 93 F
Rel. Hum.	272751	43259	62.9	17.251	689							
Dry Bulb	156439	3221	46.5	10.249	689		8.5	2.7	.1			13
Wet Bulb	125251	28139	4.8	9.229	689		15.2	.1				13
Dew Point	52875	2315	37.4	11.56	689		44.9					93

USAFETAC FORM 94 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT CLIMATOLOGY BRANCH
 AFMFLTAC
 AIR WEATHER SERVICE/MAJ

PSYCHROMETRIC SUMMARY

STATION: AFMFLTAC STATION NAME: 73-31 YEARS: 1951 MONTH: APR

PIOP: 1 HOURS: 24

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

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.	35054.3	45811	69.113	6.22	706							
Dry Bulb	2135379	38317	54.3	9.247	706			8.0				90
Wet Bulb	1762734	34696	49.1	9.43	706		2.3	1.5				90
Dew Point	1443568	31700	43.91	0.829	706	15.4						90

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

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

PSYCHROMETRIC SUMMARY

707335 HANCE AFB OK STATION NAME

73-01 YEARS

APR

MONTH

PAGE 1 7300-05-0
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
70																		0	0																
71				.1														15	15																
72			.1	1.2														15	16																
73		.1	1.2	1.2	1.2													30	30		14														
74		.4	1.5	2.2	1.5													31	31		27														
75		.7	1.9	1.4	1.1													34	34		20														
76		1.1	2.7	2.2	.7			.4		.1								47	47		17														
77		1.1	1.1	1.8	1.4	1.2				.1		.1						41	41		22														
78		.7	1.5	2.7	1.1	1.5			.7		.7							59	59		34														
79		.1	.7	1.1	1.4	1.4			.7		.7							68	69		24														
80		.7	1.2	1.7	2.5	.7		.4	.7		.7							59	59		40														
81		.4	1.4	2.6	2.5	.7		.1										51	51		29														
82		.1	1.0	3.3	2.1	.4		.3										51	51		45														
83		.4	1.1	2.3	2.3	.5		.1										49	49		27														
84		.5	1.7	1.9	.1													39	39		50														
85		.1	1.0	2.3	.5													32	37		54														
86		.4	.7	2.3	.4													28	28		53														
87		1.4	2.3	.5														31	31		30														
88		.8	1.2															15	15		74														
89		1.1	.4	.1														11	11		23														
90																		6	6		14														
91		.7																2	2		6														
92		.1																1	1		6														
93		.1																1	1		14														
94		.4																2	2		2														
95		.1																1	1		2														
96		.1																1	1		3														
97		.1																1	1		1														
98																					1														
99																						1													
100																							1												
TOTAL		7.3	18.9	42.7	24.5	9.2	1.6	1.6	.1									731	771		731														

Element (X)	$\Sigma X'$	ΣX^2	\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.	4 62.58	53734	73.5	12.442	731							
Dry Bulb	7 11.15	77754	51.6	6.530	731		1.5	6.7				97
Wet Bulb	17 13196	34722	47.5	9.496	731		4.1	10.7				98
Dew Point	14 4725	31496	43.1	11.115	731		18.1					99

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

LOCAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/AFSS

PSYCHROMETRIC SUMMARY

STATION: LANCZ AFB TX STATION NAME: 73-81 YEARS: 1951-1952
 MONTH: 1951-1952
 PAGE: 1 HOURS: 0000-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 71			.8	.5	.1	.1	.1											14	14																
/ 69			.8	.6	.2													10	14																
/ 67		.4	1.6	.1	.4													10	14																
/ 65		.8	1.5	1.1		.1												26	23	11															
/ 63	.1	.8	1.3	.5	.7	.4												24	24	10															
/ 61	.7	2.1	2.7	1.2	.6													35	25	20	10														
/ 59		2.2	2.4	.9	.8	.1	.1											32	32	45	10														
/ 57	.4	1.8	1.6	1.9	1.1	.4	.4											32	35	42	12														
/ 55	.7	1.9	1.8	2.4	1.5	.9	.1											69	39	44	24														
/ 53	.4	1.3	2.5	2.8	1.5	.5												71	71	44	42														
/ 51	.4	1.3	1.6	.9	.9	.9												46	45	50	25														
/ 49	.6	.6	3.2	1.1	.3													55	53	59	34														
/ 47		1.1	2.3	.8	.3													24	34	62	49														
/ 45		.9	1.6	1.4	.8													25	25	57	24														
/ 43		1.1	1.4	.4														47	43	64	45														
/ 41	.1	1.1	3.1	1.5	.1													47	47	58	25														
/ 39	.7	.5	1.5	.6														24	24	45	17														
/ 37		1.1	1.7	.3														12	12	51	11														
/ 35		1.1	.6	.1														14	14	21	24														
/ 33		.6	.9	.1														12	13	21	5														
/ 31		.4																7	7	11	49														
/ 29		.1	.3															2	2	10	49														
/ 27		.5	.1															5	5	5	22														
/ 25																				5	18														
/ 23		.4																3	3	1	9														
/ 21		.1																1	1	3	24														
/ 19		.1																1	1		6														
/ 17																					2														
/ 15																					1														
/ 13																					1														
TOTAL	73	22	136	723	617	4	3	.7	.5									791	791	791	791														

Element (X)	Z _{X'}	Z _X	R	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4433062	58120	73.5	12.956	791	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2198751	41019	51.9	9.522	791		2.3	5.0				90
Wet Bulb	137274	37754	47.7	9.462	791		4.4	.8				90
Dew Point	1581845	34267	43.3	11.151	791		16.5	.1				90

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

PSYCHROMETRIC SUMMARY

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIRCRAFT SERVICE ZMAC

STATION NAME: LA JOLLA AFB CA

71-01

YEARS

APR
 MONTH

PERIOD: 0000-2359
 HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
71	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	80	71	71	71

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	1-32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	11340	4347	60.217	0.778	809							
Dry Bulb	73111	48805	60.59	0.541	809		24.4					
Wet Bulb	21423	42663	52.38	0.785	809		1.4					
Dew Point	178181	36339	45.61	1.254	809		11.9	1.0				

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

FEDERAL METEOROLOGICAL BUREAU
 WASHINGTON, D. C.
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION NAME: WANCH AFB TX STATION NUMBER: 73-31 YEARS: 1960 MONTH: 12 HOURS: 5.7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point							
32																																					
31																																					
30																																					
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6																																					
5																																					
4																																					
3																																					
2																																					
1																																					
0																																					

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 70-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

UNITED STATES AIR FORCE
 14-00000
 14-00000

STATION: 14-00000 STATION NAME: 14-00000 YEARS: 1951 MONTH: 12
 HOURS: 24

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		
4	7	6	7	5	7	10	7	14	4	19	4	13	1	7	9	5	7	5	2	2	5	7	4															

Element (K)	$\Sigma X'$	ΣX	\bar{X}	S_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	241.85	438.4	11.018	718	61							
Dry Bulb	778571	78641	66.210	337	61	.1	47	2	25	7	8	7
Wet Bulb	34910	4422	55.58	401	61	.6	2	5	0			9
Dew Point	119931	37221	46.11	657	61	12	8					9

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

CLIMATE DIVISION
 WASHINGTON, D.C.

PSYCHROMETRIC SUMMARY

STATION: STATION NAME: YEARS: MONTH:
 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Pt.			
1																																							
2																																							
3																																							
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30																																							
31																																							
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature																																	
Rel. Hum.						10 F	12 F	16 F	20 F	24 F																													
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0 26-5 (O-L-A) REVISE METHODS SECTION OF THIS MANUAL 10-6-67

U.S. AIR FORCE CLIMATE DIVISION
 WASHINGTON, D.C. 20330
 FORM 1-64 (REV. 10-15-63)

PSYCHROMETRIC SUMMARY

STATION NO. **15001** STATION NAME **15001** YEARS **15**
 DATE **15-01-64**
 MONTH **15**

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																			
/																																								
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11.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	11.0	11.0	11.0	11.0																		

USAFETAL FORM 1-64 (REV. 10-15-63) (OL A) REVISIONS AND EDITS OF THIS FORM ARE UNLIT

Element (X)	Σx	Σx^2	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	0-32 F	33-67 F	68-73 F	74-80 F	> 80 F	
Ref Hum	22444	3276	45.19	1.97	9							9
Dry Bulb	7187	677	67.10	4.67	9			2.4	7.7	11.0		9
Wet Bulb	22141	4977	54.84	8.00	9			6	3.5			9
Dew Point	178375	16957	45.71	1.76	9			17.7	1.0			9

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION NAME: LA GO AFB TX

72-01

YEARS

ADD MONTH

PAGE 1 16-0000
 HOURS 57

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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																																		772	772
73																																			
74																																			
75																																			
76																																			
77																																			
78																																			
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100																																			

USAFETAC FORM 0-26-5 (OL A) 8-54-56 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX^2	ΣX	\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.	2563.33	422.23	53.117	500	772							
Dry Bulb	7134.49	466.39	63.79	556	772			37.6	13.7	2.7		54
Wet Bulb	233.16	418.85	54.18	375	772		1.3	5.7	.1			7
Dew Point	1718.67	353.71	45.91	128	772		11.8	1.7				13

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

PERIODS: JAN 01 - APR 01 STATION NAME: 72-81 YEARS: 1950-1951
 STATION: WANGU AFB OK STATION NAME: 72-81 YEARS: 1950-1951
 PAGE: 1 ALL MONTHS: ALL HOURS: U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																		
64																																		6	6				
65																																			11	11			
66																																			37	37			
67																																			45	45			
68																																			61	61			
69																																			101	101			
70																																			114	114			
71																																			176	176			
72																																			197	197		6	
73																																			269	269		77	
74																																			347	347		77	
75																																			334	334	198	133	
76																																			328	368	217	114	
77																																			410	410	382	170	
78																																			470	467	344	248	
79																																			419	417	411	250	
80																																			334	394	407	360	
81																																			328	328	435	317	
82																																			345	345	444	266	
83																																			317	317	460	230	
84																																			301	301	489	211	
85																																			268	268	433	370	
86																																			183	183	470	254	
87																																			155	155	331	353	
88																																			135	135	250	306	
89																																			89	89	203	303	
90																																			60	60	182	367	
91																																			54	54	174	329	
92																																			49	49	83	315	
93																																			20	20	56	345	
94																																			9	9	76	185	
95																																			11	11	17	157	
96																																			5	5	14	68	
97																																			7	7	8	57	
Element (X)	Σ X'	Σ X	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	
Rel Hum																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

73-01 WANDL AFB, OK STATION NAME

72-61

YEARS

MAY MONTH

PAGE 1 73047505
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		
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99																																						
100																																						
TOTAL																																						

Element (X)	Z _g	Z _w	R	P _s	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	4025472	50770	77.217.660		761	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	2741626	4578	59.4	7.777	764			1.0	2.6			4.6
Wet Bulb	238768	4326	50.4	7.058	761			5.7				5.7
Dew Point	213314	766	52.1	9.337	761		2.7	3.5				6.2

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

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/VMAC

PSYCHROMETRIC SUMMARY

MO: JUNE STATION NAME: WINDY AFB TX YEARS: 73-81 MONTH: MAY
 PAGE: 1 HOURS: 261

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
70																																		1	1					
71					.1				.2																									1	1					
72				.1	.2				.2																										1	1				
73			.1	.2	.3				.5																										1	1				
74			.1	.2	.3	.4			.6																										1	1				
75			.1	.2	.3	.4	.5		.7																										1	1				
76			.1	.2	.3	.4	.5	.6	.8																										1	1				
77			.1	.2	.3	.4	.5	.6	.7	.9																									1	1				
78			.1	.2	.3	.4	.5	.6	.7	.8	.1																								1	1				
79			.1	.2	.3	.4	.5	.6	.7	.8	.9																								1	1				
80			.1	.2	.3	.4	.5	.6	.7	.8	.9	1																							1	1				
81			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1																						1	1				
82			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1																					1	1				
83			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1																				1	1				
84			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1																			1	1				
85			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1																		1	1				
86			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1																	1	1				
87			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1																1	1				
88			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1															1	1				
89			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1														1	1				
90			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1													1	1				
91			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1												1	1				
92			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1											1	1				
93			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1				
94			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1			
95			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									1	1			
96			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									1	1		
97			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								1	1		
98			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								1	1	
99			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								1	1	
100			.1	.2	.3	.4	.5	.6	.7	.8	.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							1	1	
TOTAL			.5	1.34	2.54	4.17	6.4	9.4	13.7	19.5	27.1	37.4	50.4	67.4	89.1	116.4	150.1	191.1	239.4	294.4	357.1	428.1	507.1	594.1	689.1	794.1	907.1	1028.1	1157.1	1294.1	1449.1	1614.1	1789.1	1974.1	2169.1	2374.1	2589.1	2814.1		

Element (X)	$\sum X'$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	426138	61974	76.11	1.12	814							814
Dry Bulb	26342	49512	60.7	7.70	814			2.0	4.0	.1		814
Wet Bulb	263867	45899	56.4	7.90	814			9.0	.2			814
Dew Point	2349443	4373	50.9	9.294	814	2.1	4.2	.1				814

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

GLOBAL CLIMATOLOGY BRANCH
 WASHINGTON, DC 20335
 AIR FORCE SYSTEMS DIVISION

PSYCHROMETRIC SUMMARY

STATION: YALCO AFB TX STATION NAME: YALCO YEARS: 1951 MONTH: NOV
 PERIOD: 11-11-51 TO: 11-11-51 HOURS: 0-24

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
	87	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Element (X)	Σ X'	Σ X ²	X	X ²	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F
Rel. Hum.	33.3760	1110	62.72	3931	31						
Dry Bulb	337.147	11353	66.18	4368	31						
Wet Bulb	320.533	10285	63.29	4005	31						
Dew Point	233.717	54138	54.36	2956	31						

USAFETAC FORM 0-76-5 (O-L-A) REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE DIVISION
 METEOROLOGICAL SERVICE
 WASHINGTON, D.C.

PSYCHROMETRIC SUMMARY

STATION: 18000 NAME: 18000 YEARS: 1954 MONTH: 12
 STATION NAME: 18000 YEARS: 1954 MONTH: 12
 HOURS: 24

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					
70																																						
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Element	$\sum X$	$\sum X^2$	\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 (OL A) RE-110 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE CLIMATE BRANCH
 1954-55
 AIR STATION - SPANISH WAMP

PSYCHROMETRIC SUMMARY

STATION NAME: SPANISH WAMP
 YEARS: 1954-55
 MONTH: MAY
 DAY: 15

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																		
		1.4	1.1	0.2	1.1	0.5	1.6	1.4	0.7	1.5	0.9	1.2	0.7																										

Element (X)	ΣX	ΣX^2	\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	2561.1	444.7	53.7	1.24	19			67	73	80	93	19
Dry Bulb	4553.1	618.2	73.5	5.69	19			74	72	71	71	19
Wet Bulb	2017.4	514.4	67.5	7.58	19			71	71	71	71	19
Dew Point	2074.4	454.3	54.3	1.02	19			71	71	71	71	19

USAFETAC FORM 164 0-26 5 (OL AT) REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

PSYCHROMETRIC SUMMARY

STATION: ANGL AFB TX STATION NAME: 78-51 YEARS: 1951-52 MONTH: 11-12 HOURS: 00-24

USAETAC FORM AIR 24 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
72							.5				.4																							14	14												
73								.5			.4																																				
74			.3	.4	1.3	1.3	.5				.4																							75	74												
75			.3	1.6	3.6	3.6	1.4	.6			.6																							54	54												
76			.3	1.6	3.6	3.6	2.2	.4			.4																							59	59		2										
77		.1	1.4	1.8	3.2	3.2	3.3	.6			.6																							61	61		44										
78		.1	2.3	2.1	3.1	3.1	3.3	.6			.6																							62	62		34										
79		.1	1.2	1.8	2.6	2.6	1.7	.4			.4																							61	61		72										
80			1.3	1.8	3.1	3.1	1.8	.4			.4																							55	55		56										
81			1.2	1.7	1.7	1.7	1.7	.4			.4																							43	43		78										
82			.4	1.5	1.4	1.4	.5	.4			.4																							45	45		67										
83			.1	1.2	.5	.4	.4	.4			.4																							30	30		61										
84			.1	.1	.1	.1	.1	.1			.1																							10	10		57										
85			.2	.3	.1						.2																							4	4		78										
86			.5	.7							.5																							4	4		72										
87																																			1	1		72									
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98																																											1	1		72	
99																																											1	1		72	
100																																												1	1		72
Total		.1	.5	1.2	2.1	1.4	2.7	2.1	1.7	4.5	1.4					1.1																				77	77		77								

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	11719	49781	77.51	7.43	77	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	784	49781	64.7	7.74	77			32.9	16.8	1.1		63
Wet Bulb	278	45205	58.5	7.77	77			27.4	1.0			53
Dew Point	23433	4160	54.4	6.38	77		1.3	6.1				8

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WENTHROP SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: LAUREL AFB TX STATION NAME: LAUREL AFB TX
 YEARS: 1951

MONTH: DECEMBER
 HOURS: 724

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL
(F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
70																		70	70														
71																		71	71														
72																		72	72														
73																		73	73														
74																		74	74	111	47												
75																		75	75	100	66												
76																		76	76	77	75												
77																		77	77	92	57												
78																		78	78	79	44												
79																		79	79	71	67												
80																		80	80	46	59												
81																		81	81	31	51												
82																		82	82	17	35												
83																		83	83	7	23												
84																		84	84	1	13												
85																		85	85	0	7												
86																		86	86	0	4												
87																		87	87	0	2												
88																		88	88	0	1												
89																		89	89	0	1												
90																		90	90	0	1												
91																		91	91	0	1												
92																		92	92	0	1												
93																		93	93	0	1												
94																		94	94	0	1												
95																		95	95	0	1												
96																		96	96	0	1												
97																		97	97	0	1												
98																		98	98	0	1												
99																		99	99	0	1												
100																		100	100	0	1												
TOTAL		16	23	37	41	56	73	83	93	102	108	114	118	122	124	124	124	724	724	724	724												

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	437196	55748	77.11	11.039	724	< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total
Dry Bulb	3428222	48596	68.6	6.3	724			54.9	28.5	1		93
Wet Bulb	655968	48135	67.8	5.714	724			36.4	2			93
Dew Point	274513	4433	67.8	6.464	724			19.8	1			93

USAFETAC FORM 0-26-5 (OLA) JAN 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNITED STATES AIR FORCE
 METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WACO AFB TX STATION NAME: 72-31 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		
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Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature				Total		
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	4416.55	578.75	72.0	12.354	78							
Dry Bulb	7890.30	544.3	7.0	6.525	78			34.4	35.7			70.1
Wet Bulb	7235.44	551.6	6.4	5.536	78			70.1	4.3			74.4
Dew Point	297.313	47.82	6.1	6.2.6	78			20.5	1.7			22.2

USAFETAC FORM 34-64 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
AFETAC
U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [blank] STATION NAME: [blank] YEARS: [blank] MONTH: [blank] HOURS: [blank]

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL										
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point							
	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	784	784	784	784	784

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	46133	55.115	0.74		736							
Dry Bulb	45857	55.115	0.74		736			36.4	71.3	44.7	2.4	
Wet Bulb	45813	55.115	0.74		736			35.4	65.3			
Dew Point	45831	55.115	0.74		736			25.7	3.3			

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

UNITED STATES DEPARTMENT OF AGRICULTURE
 NATIONAL WEATHER SERVICE
 WASHINGTON, D. C. 20540

PSYCHROMETRIC SUMMARY

STATION: LA CLAYTON STATION NAME: LA CLAYTON YEARS: 1961
 MONTH: 12 HOURS: 5

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
60																																							
61																																							
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± 73 F																																							
± 80 F																																							
± 93 F																																							
Total																																							
Element (X)																																							
Rel. Hum.																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

NO. 1
 NATIONAL COMMISSION ON AIR AND SPACE
 WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION WASHINGTON FIELD STATION NAME

73-51

YEARS

1950

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		
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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 0265 (0-4) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNION MILITARY AIRFIELD
 STATION
 WASHINGTON DC

PSYCHROMETRIC SUMMARY

STATION WASHINGTON DC STATION NAME WASHINGTON DC YEARS 1954

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31	D.B. - W.B.	Dr. Bulb	Wet Bulb	De - Point	
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

USAFETAC FORM 0 26 5 (O.L. A) JUL 54 PREPARED BY THE U.S. AIR FORCE

Element (X)	$\sum x^2$	$\sum x$	N	\bar{x}	No. Obs.	Mean No. of Hours with Temp.
Rel Hum						
Dry Bulb						
Wet Bulb						
Dew Point						

AD-A128 111

VANCE AFB OKLAHOMA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. . 02 DEC 82

56

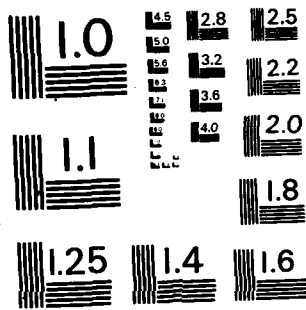
UNCLASSIFIED

USAFETAC/DS-82/061 SBI-AD-E850 381

F/G 4/2

NL

The table consists of 15 columns and 15 rows. All cells are filled with black ink, completely obscuring any data that might have been present. The grid is used for recording surface weather observations over time and across different parameters.



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

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723526 WANCE AFB OK 73-81 JUN
 STATION STATION NAME YEARS MONTH
 PAGE 2 1800-2700
 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	
TOTAL	.0	1.0	3.9	6.3	9.9	11.7	14.0	13.3	12.8	10.7	7.8	5.6	2.0	.7	.3	.1	.1		767		767	

Element (X)	ΣX	ΣX^2	\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.	2251768	40020	52.2	4.625	767							
Dry Bulb	523458	63782	82.2	7.739	767			86.9	80.0	60.0	8.0	90
Wet Bulb	366839	53741	69.2	5.116	767			64.2	27.6	.5		90
Dew Point	2978677	47536	61.9	6.681	767			25.5	2.6			90

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

GLOBAL CLIMATOLOGY BRANCH
 DTAFCTAC
 AT- LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723535 VANCE AFB OK 73-81 MONTH 2100-2300
 STATION STATION NAME YEARS MONTH HOURS (U.S. T.)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7 / 80								.1										1	1																	
6 / 87								.5	.4									7	7																	
6 / 85					.1	.3	1.4	1.4	.4	.5								72	30																	
4 / 87			.1		.7	1.2	1.6	1.6	.5	.1	.1							47	47																	
7 / 81		.1		.5	2.2	2.7	2.3	.5	.4									65	65																	
7 / 79		.7	1.2	4.7	4.5	1.9	.9	.4										94	24	7	2															
7 / 77		.3	1.1	2.3	3.1	1.5	1.1	.5	.1	.3								76	76	1	1															
6 / 75		.1	1.5	4.4	3.7	1.8	1.4	.4	.1	.1								96	26	21	2															
4 / 77	.1	.1	1.2	2.9	1.8	1.2	.7	.7	.1									65	65	76	13															
7 / 71	.2	.3	1.5	1.6	1.4	1.4	1.5	.3										59	59	125	19															
7 / 69	.1		1.6	1.4	1.6	1.4	1.4	.1	.3									58	58	110	69															
7 / 67		.3	1.5	2.6	1.2	.8	.7	.1										54	54	97	111															
6 / 65	.1	1.0	2.3	1.4	.7	.4												41	41	60	92															
4 / 67		.1	.8	.8	.4													16	16	76	77															
7 / 61		.1		.7	.3													8	8	59	79															
7 / 59			1.0	.5														11	11	47	73															
7 / 57		.2	.4															5	5	23	40															
5 / 55																				26	26															
4 / 53																				9	30															
7 / 51																					23															
5 / 49																					21															
7 / 47																					13															
4 / 45																					6															
7 / 43																					2															
7 / 41																					1															
7 / 39																					1															
TOTAL	.5	2.7	13.6	20.1	20.3	17.2	13.9	7.5	2.9	1.1	.1							733	733	733	733															

Element (X)	$\Sigma X'$	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	3289755	49215	65.8	12.712	733			80.1	59.1	24.8		90
Wet Bulb	3313000	49048	66.9	5.356	733			53.2	12.4	.2		90
Dew Point	2872264	45632	62.3	6.560	733			27.9	2.2			90

USAFETAC FORM 44 0-26-5 (OL A) STATION NUMBERS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723435 VANCE AFB TX STATION NAME

73-81 YEARS

JUN MONTH

PAGE 1

ALL MONTHS
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/107																	1	1		
6/103																.1	7	7		
6/103																.1	11	11		
6/102																.0	17	17		
6/109																.1	32	32		
6/107																.2	65	65		
6/105																.2	123	123		
6/107																.3	175	175		
6/101																.3	203	203		
6/109																.2	250	250		
6/107																.1	288	288		
6/105																.2	349	349		
6/103																.2	341	341		
6/101																.2	379	378	12	
6/109																.1	438	438	35	5
6/107																.2	464	464	125	17
6/105																.2	528	528	385	16
6/103																.2	490	490	795	122
6/101																.2	395	395	769	232
6/109																.2	348	348	834	497
6/107																.1	317	317	722	765
6/105																.1	296	296	553	763
6/103																.1	215	215	550	761
6/101																.2	140	140	456	642
6/109																.3	98	98	322	567
6/107																.3	71	71	222	409
6/105																.1	40	40	175	310
6/103																.1	11	11	93	243
6/101																.0	4	4	33	260
6/109																.0			12	203
6/107																.0			2	135
6/105																.0				73
6/103																.0				27
6/101																.0				11
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.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723735 LANCE AFB TX

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
/ 70																						11															
/ 77																						1															
/ 85																						3															
TOTAL	1.3	5.0	13.3	14.1	12.7	11.5	9.5	8.6	7.1	5.4	4.2	2.9	1.7	.9	.5	.1	.2					6095	6095														
																						6095	6095														
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	24958783	374699	61.5	17.767	6095	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	720																									
Dry Bulb	3786871	471687	77.4	9.784	6095			616.6	491.4	297.7	57.9	720																									
Wet Bulb	27902869	410815	67.4	5.914	6095			434.4	159.7	2.7		720																									
Dew Point	23559962	376674	61.8	6.794	6095			198.0	19.1			720																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723535 WANCE AFB OK 73-81 JUL
 STATION STATION NAME YEARS MONTH
 PAGE 1 0000-0000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80									.4	.4							6	6		
79								.3	.7	.3			.1				17	17		
78							.5	1.6	1.6	.7		.3	.1				36	36		
77					.1	.7	1.1	2.4	2.1	.8	.8	.1					61	61		
76				.1	.5	.9	3.2	2.4	1.3	.3	.3						68	68		
75			.3	.4	2.7	4.4	3.9	2.3	.8	.4	.1						114	114		
74			.5	2.7	4.4	5.2	2.4	.7	.4	.3							129	129	1	
73	.5	.7	2.5	4.6	2.8	.8	.8	.1	.1	.1							177	107	4	2
72		.3	2.3	2.7	1.1	.4	.1										92	92	4	9
71		.3	2.3	2.7	1.1	.4	.1										51	51	175	14
70		1.2	2.3	.8	1.1	.1	.3										43	43	192	83
69		.3	1.5	.3	.8	.3											23	23	224	102
68		.3		.1	.1	.3											6	6	90	135
67					.1												1	1	63	113
66																			19	115
65																			1	78
64																			3	37
63																			6	36
62																				15
61																				6
60																				7
59																				10
58																				6
57																				1
56																				
55																				
54																				
53																				
52																				
51																				
50																				
49																				
48																				
47																				
46																				
45																				
44																				
43																				
TOTAL	.5	2.8	11.2	16.3	18.5	15.1	12.2	8.7	6.8	4.6	2.5	.4	.3				747	747	747	747

Element (X)	ΣX^1	ΣX	\bar{X}	σ^2	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	3110618	46896	67.8	4.941	747			92.1	77.6	30.1		93
Wet Bulb	4473461	57695	77.2	4.823	747			70.5	5.6			93
Dew Point	3465979	52827	68.0	3.199	747			22.4	1.4			93
	2966393	46913	62.8	5.200	747							

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

723535 WANCE AFB OK 73-81 JUL
 STATION STATION NAME YEARS MONTH
 PAGE 1 0300-0500
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point
5 / 57									.1								1	1	
6 / 55									.3								2	2	
4 / 60							.1	.9	.8								13	13	
7 / 51						.8	.9	1.6	1.0	.1							34	34	
7 / 75					.9	1.8	1.3	2.0	.4	.7							59	59	
7 / 77			.1	1.6	3.0	3.4	2.8	1.4	.7	.3							108	108	
7 / 75			1.8	3.3	5.9	3.7	1.7	.4	.5								132	132	
4 / 73	.7	.5	4.6	8.7	3.4	2.7	.5	.1									151	151	16
7 / 71		.8	5.6	5.5	.9	1.7	.1	.1	.3								110	117	56
7 / 69	.4	1.7	4.3	2.6	.7		.1										75	75	150
6 / 67	.1	1.2	2.8	1.2	.4	.1											44	44	219
6 / 65	.1	.5	1.3	.9		.1											23	23	161
4 / 63		.1	.3	.3	.1	.1											7	7	94
7 / 61																			41
7 / 59		.1	.1	.1													3	3	12
5 / 57			.1														1	1	4
5 / 55																			5
4 / 53																			1
7 / 51																			5
5 / 49																			1
5 / 47																			3
4 / 45																			3
TOTAL	1.3	5.0	21.1	23.5	16.3	13.1	8.7	6.6	4.1	1.0							762	762	762

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	3795861	52647	69.1	3.967	762							
Dry Bulb	4186951	56389	74.1	4.303	762			88.9	60.9	9.4		93
Wet Bulb	3412112	50934	66.8	3.151	762			55.0	2.0			93
Dew Point	3.13317	47781	62.7	4.757	762			19.9	.7			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

723735 LANCE AFB TX 73-81 JUL 1960
 STATION STATION NAME YEARS MONTH PAGE 1 1600-2600 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9	10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5 / 87									.2	.5	.6	.1	.2						14	14		
6 / 85								.2	.7	.9	1.1	.2							26	26		
7 / 82					.1	.4	1.2	2.1	.5										35	35		
8 / 81				.1	1.7	1.6	3.2	1.6	.4	.1									65	65		
9 / 79			.1	.4	2.4	4.0	1.3	1.5	1.0	.2									90	90		
10 / 77			.4	2.8	5.7	3.1	2.1	.7											115	115		
11 / 75		.1	1.3	4.3	4.5	1.8	1.1	.6	.2										115	115	7	
12 / 73	.1	.5	3.5	6.4	2.7	1.1	.6	.2											118	118	36	3
13 / 71	.1	1.7	4.9	4.8	1.2	.9	.1	.1											113	113	112	13
14 / 69	.5	1.2	2.7	2.2	.7	.2	.1												63	63	227	73
15 / 67	.1	1.2	2.1	.6	.5														37	37	199	132
16 / 55		.4	1.2	.1	.1														15	15	116	170
17 / 67		.5	.1	.2	.1														3	3	74	140
18 / 61		.1	.1																2	2	35	111
19 / 59																					11	68
20 / 57		.1																	1	1	4	54
21 / 55																					3	21
22 / 53																						14
23 / 51																						6
24 / 49																						1
25 / 47																						1
TOTAL	.9	5.8	16.6	21.9	17.7	13.1	9.9	8.7	3.4	2.1	.4	.2							817	817	517	817

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3921399	55435	67.9	14.000	817	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	468323	61716	75.5	5.799	817			90.0	65.8	20.9		93
Wet Bulb	3773726	55464	67.9	3.212	817			66.1	4.9			93
Dew Point	3322663	51977	63.6	4.417	817			25.4	.6			93

USAFETAC FORM 0-26-5 (OL A) JUL 60 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

703535 VANCE AFB TX

73-81

JUL
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/101															.1	.1	.4	5	5																
7/99														.1	.4	.1	.7	.2	.1	14	14														
7/97														.6	1.3	.5	.5			25	25														
7/95														.2	1.0	1.9	.6	.2	.2	35	35														
7/93										.1	1.0	1.8	2.3	.4	.4	.1			5	50															
7/91									.6	1.2	3.0	2.4	1.7	.2	.2				75	72															
7/89								.4	1.1	3.0	2.4	2.4	.6						40	30															
7/87						.4	1.4	3.2	3.1	1.6	.5	.1							47	27															
6/85					.1	2.4	3.1	3.5	2.2	.6	.2	.2							173	103															
7/83				.1	.5	2.6	3.7	2.8	.6	.1	.1								68	98															
7/81				.2	1.7	2.5	3.1	.7	.4	.1									73	73															
7/79				.6	1.9	2.9	.2	.5	.2	.1									59	59															
7/77			.1	.7	1.7	.7	.3	.1											35	35															
7/75		.1	.4	1.1	.9	.6	.2	.2											29	29	104	3													
7/73		.4	.5	1.9	.6	.4	.1												72	37	274	18													
7/71		.2	1.6	.8	.2														24	24	213	42													
7/69		.2	.5	.2															8	8	140	30													
7/67		.2	.4																5	5	59	162													
6/65			.1																1	1	72	175													
7/63		.1																	1	1	16	134													
7/61																					2	36													
7/59																					1	64													
7/57																						10													
5/55																						13													
4/53																						10													
7/51																						12													
7/49																						4													
TOTAL		1.3	3.5	5.2	7.6	12.5	13.7	12.9	10.8	9.1	9.5	7.6	2.9	1.7	1.7	.2	.5		634	634	834	934													

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2442.35	43353	52.0	15.041	834	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	6127175	71245	85.4	7.018	834			92.8	88.7	75.2	14.4	93
Wet Bulb	4283673	59719	71.6	2.993	834			87.3	40.3			93
Dew Point	3504145	53929	64.7	4.508	834			34.1	2.3			93

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

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 73-81 LANCE AFB TX STATION NAME YEARS JUL MONTH

PAGE 1 12-10-14
 HOURS 10:00 P.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 100																		2	2																
1 / 99																		18	18																
1 / 97																		25	25																
1 / 95																		52	52																
1 / 94																		48	48																
1 / 93																		66	66																
1 / 92																		100	100																
1 / 91																		111	111																
1 / 90																		82	82																
1 / 89																		73	73																
1 / 88																		43	43																
1 / 87																		57	57																
1 / 86																		22	22																
1 / 85																		71	31		1														
1 / 84																		73	33		10														
7 / 83																		71	41		73														
1 / 82																		10	17		146														
1 / 81																		8	8		27														
1 / 80																		4	4		174														
1 / 79																		1	1		87														
1 / 78																					48														
6 / 77																					16														
4 / 76																					132														
1 / 75																					89														
1 / 74																					46														
1 / 73																					32														
5 / 72																					23														
1 / 71																					16														
1 / 70																					11														
4 / 69																					4														
1 / 68																					1														
1 / 67																					3														
4 / 66																					1														
1 / 65																					1														
1 / 64																					1														
1 / 63																					1														
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1 / 47																					1														
1 / 46																					1														
1 / 45																					1														
1 / 44																					1														
1 / 43																					1														
1 / 42																					1														
1 / 41																					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																																			

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

CENTRAL CLIMATOLOGY BRANCH
FAFETAC
AIR WEATHER SERVICE/VMAC

PSYCHROMETRIC SUMMARY

TO: AF 3E VANCE AFB TX STATION NAME: 73-81 YEARS: JUL MONTH: 1950-1950
STATION: VANCE AFB TX STATION NAME: 73-81 YEARS: JUL MONTH: 1950-1950
PAGE 1 1400-1400 HOURS 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	Dry Bulb	Wet Bulb	Dew Point	
73.2	.	1.2	2.0	2.4	3.9	5.4	10.4	10.7	10.9	10.7	10.6	8.9	9.8	4.4	3.7	4.																	834	834	834	

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

Element (X)	ΣX'	ΣX	X	n _a	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	1599544	34876	41.5	14.121	834							
Dry Bulb	748976	7643	91.8	7.327	834			93.0	92.4	86.6	47.1	93
Wet Bulb	443472	50766	72.9	2.951	834			90.4	56.0	.4		93
Dew Point	3383425	52923	63.5	5.489	834			29.4	2.0			93

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 WEATHER SERVICE/AFM/MAO

PSYCHROMETRIC SUMMARY

STATION: WACO AFB TX STAT ON NAME: 72-81 YEARS: _____
 MONTH: JUL PAGE: 15-1700
 HOURS: _____

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	De-Point	
			.2	.5	.8	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	871	871	871	871

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	134955	77414	37.91	7.687	831							
Dry Bulb	725118	77414	93.2	7.232	831			93.0	92.7	88.7	53.7	93
Wet Bulb	439249	62351	72.6	2.963	831			90.2	49.5			93
Dew Point	3236839	51631	62.1	5.955	831			24.2	1.9			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

723-35 STATION NAME: HANCE AFB OK 73-01 YEARS: JUL MONTH
 PAGE 1 1810-0000 HOURS 00-23.7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
100																		.4	3	3															
99																		.5	10	10															
98																		.5	20	20															
97																		.5	29	29															
96																		.2	41	41															
95																		.6	70	70															
94																		.1	81	81															
93																		.1	103	103															
92																		.2	89	89															
91																		.2	87	87															
90																		.1	70	70															
89																		.1	48	48															
88																		.1	44	44															
87																		.4	30	30															
86																		.1	34	34															
85																		.1	20	20															
84																		.1	9	9															
83																		.1	7	7															
82																		.2	5	5															
81																																			
80																																			
79																																			
78																																			
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40																																			

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

CLIMATE CLIMATOLOGY BRANCH
 METEOROLOGY
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

002535
 STATION

LANE AFB OK

STATION NAME

73-81

YEARS

JUL
 MONTH

PAGE 0

1830-2200
 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	
TAL		.2	1.4	3.7	4.0	4.6	7.2	9.1	10.1	12.5	12.5	17.0	17.0	19.2	5.7	4.6	2.5	2.4																			203	53

Element (X)	Σx ²	Σx	X̄	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	6470189	71465	89.7	7.791	803			93.0	91.6	82.5	29.8	93
Wet Bulb	4793713	57215	71.3	2.966	803			87.4	33.2	.1		53
Dew Point	3101339	49681	61.9	5.868	803			21.3	.6			93

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

CLIPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

727535 STATION KANOE AFB OK 73-81 YEARS 31 MONTH ALL HOURS (U. S. T.) PAGE 1

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																			
1/170																																					2	2		
1/107																																						12	12	
1/103																																							49	49
1/103																																							78	78
2/101																																							121	121
2/89																																							154	154
2/89																																							237	237
2/87																																							319	319
2/87																																							331	331
2/85																																							357	357
2/85																																							367	367
2/82																																							375	375
2/81																																							434	434
2/80																																							423	423
2/78																																							444	444
2/78																																							502	502
2/77																																							524	524
2/77																																							524	524
2/75																																							485	485
2/75																																							485	485
2/73																																							525	525
2/73																																							1097	1097
2/72																																							339	339
2/72																																							339	339
2/69																																							1251	1251
2/69																																							176	176
2/69																																							204	204
2/69																																							1299	1299
2/67																																							523	523
2/67																																							938	938
2/65																																							46	46
2/65																																							572	572
2/63																																							17	17
2/63																																							284	284
2/61																																						2	2	
2/61																																							171	171
2/59																																							2	2
2/59																																							38	38
2/57																																							16	16
2/57																																							678	678
2/55																																							2	2
2/55																																							17	17
2/53																																							1	1
2/53																																							181	181
2/51																																							93	93
2/49																																							82	82
2/47																																							36	36
2/47																																							26	26
2/45																																							19	19

USAFETAC FORM 0-26-5 (OL A) REVISION 10-65 (U. S. T.)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722535 VANCE AFB OK 72-81 JUL
 STATION STATION NAME YEARS MONTH

PAGE 1 ALL
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
71.4																						8													
1/3																						7													
7.7	2.7	7.9	10.1	10.0	9.8	9.3	9.6	8.3	7.6	6.5	5.3	4.3	4.0	2.3	1.3	1.7		6396			6396														
																		6396																	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	27358789	340909	53.318	4.95	6396	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	45291312	534896	83.6	9.342	6396			735.9	659.2	461.0	157.8	744
Wet Bulb	31540507	448499	70.1	3.773	6396			627.8	211.0	.8		744
Dew Point	25564113	472929	63.0	5.315	6396			201.5	10.8			744

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

723535 WANCE AFB OK 71-81 AUG 1960-00-0
 STATION STATION NAME YEARS MONTH HOURS (L.S.T.)
 PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
8/ 87						.1			.1	.4	.1	.1	.1					5	8																
6/ 85							.1	.5	.5	.1	.3	.4						19	19																
4/ 83							.5	1.1	1.6	1.2	.7	.1						36	36																
2/ 81					.7	1.1	1.2	1.2	1.3	.4	.1							57	57																
0/ 79		.1	.7	2.4	3.6	3.6	1.6	.7	.1									96	76																
7/ 77			1.9	3.5	2.8	2.4	.9	.9	.3									95	95	1															
5/ 75		.1	1.2	2.8	2.4	1.7	.9	.9	.8									82	82	1															
4/ 73		.9	2.3	4.3	2.8	2.4	.3	.5	.3									101	131	22	1														
2/ 71		.9	3.2	4.7	1.7	.7	.8	.3	.1									93	93	86	13														
0/ 69	.9	1.2	2.4	1.6	1.2	1.7	.4	.4										73	71	146	46														
8/ 67		1.3	2.1	.7	.8	1.7												50	50	159	48														
6/ 65	.1	.5	1.6	.4	.5													24	24	126	91														
4/ 63	.7	.9	.3	.1	.3													14	14	173	112														
2/ 61				.1	.1													2	2	45	17														
0/ 59																				76	69														
8/ 57																				21	51														
6/ 55																				5	49														
4/ 53																					22														
2/ 51																					37														
0/ 49																					21														
8/ 47																					10														
6/ 45																					4														
4/ 43																					4														
2/ 41																					1														
TOTAL	1.2	6.0	13.2	17.2	15.2	15.9	12.8	7.5	6.4	2.9	.7	.5	.5					750	750	750															

Element (X)	$\Sigma X'$	ΣX	K	σ_a	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3311884	48434	64.0	5.677	750	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4245173	56285	75.0	5.719	750			88.0	61.3	20.7		93
Wet Bulb	3332945	49915	66.6	3.821	750			51.5	2.7			93
Dew Point	2862134	46130	61.5	5.758	750			19.2	.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

723F35 LANCE AFB OK

73-81

AUG
 MONTH

PAGE 1 1300-0569
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/95								.4										5	7																
7/87							.1	.3	.7									9	9																
7/91						.5	.3	.8	1.0				.1					21	21																
7/79					.4	1.3	1.2	1.2	.1			.1	.3					35	35																
7/77						7.9	3.9	1.7	.7	.5			.1					63	83																
7/75			1.3	2.2	4.6	3.0	1.7	.9	.4									112	112																
4/73		.4	3.4	4.3	1.4	1.7	1.0	.9										96	96																
7/74		2.1	3.7	5.6	2.0	1.2	.2	.3										119	119	61	3														
7/69		2.9	3.5	4.6	1.8	1.4	.5	.7										115	115	119	31														
7/67	.7	1.4	3.8	1.8	2.2	.4		.3										81	81	155	99														
6/65	.1	1.3	2.1	1.7	1.2	.1	.1											46	46	117	95														
4/63		1.2	1.7	.7														27	27	176	114														
7/61	.3	.5	.1	.3	.1													10	10	59	137														
7/59	.1			.3	.1													4	4	5	111														
8/57				.7														2	2	18	122														
5/55																				9	42														
6/53																				5	11														
6/51																				5	19														
6/49																				5	18														
7/47																					3														
7/45																					2														
4/43																					3														
7/41																					7														
TOTAL	1.2	9.8	19.5	21.1	18.5	13.0	7.5	5.9	2.8		.3	.4	.1					763	763	763	763														

Element (X)	Σx^2	Σx	\bar{x}	σ_n	No. Obs.	$\pm 0 F$	$\pm 32 F$	Mean No. of Hours with Temperature			Total	
								$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Rel. Hum.	738,150	5328	69.8	4.474	763							
Dry Bulb	3998761	5157	72.7	4.953	763			52.2	43.8	5.6		93
Wet Bulb	327676	46916	65.4	3.837	763			43.5	.2			53
Dew Point	2385976	46738	61.3	5.496	763			16.2				93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722535 STATION NAME: ANCE AFB TX STATION NUMBER: 72-81 YEARS: MONTH: AUG

PAGE 1
 HOURS: 0000-2359

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
81									.0	.1								3	3																
80									.4	.1	.1							19	19																
79						.5	1.7	1.0	.2	.1	.1	.7						36	36																
78				.1	1.6	3.0	1.6	1.1	.4	.1	.1	.1						67	67																
77			.5	7.8	1.7	1.8	.4	.4		.1								71	71																
76			.4	3.7	4.8	2.2	.7	.9										127	127																
75		.9	3.4	4.4	2.8	3.0	.9	.1	.1									178	178																
74	.4	.9	4.7	4.0	2.4	1.2	1.2	.2										115	116																
73	.1	2.9	4.4	1.9	2.9	1.0	.2											110	110	184	64														
72		1.6	2.9	2.1	1.0	.4	.1	.1										67	67	181	73														
71	.1	1.2	2.6	1.3	1.0		.1											64	64	172	145														
70	.4	1.7	1.0	.5	.4													29	29	116	127														
69		.0	.4	.7	.1													12	12	72	115														
68		.4	.2															5	5	55	114														
67																		1	1	19	62														
66																				9	59														
65																				3	34														
64																				1	28														
63																					0														
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42																					0														
41																					0														
TOTAL	1.0	9.4	19.5	19.2	22.0	21.2	9.0	8.9	5.5	1.7	.5	.5	.4					401	401	821	93														

Element (X)	ΣX	ΣX^2	\bar{X}	S_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4161420	57309	69.914	0.014	821	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	4373495	59771	72.8	5.18	821			91.6	48.4	11.0		93
Wet Bulb	3581993	54129	65.9	3.863	821			47.5	1.2			93
Dew Point	3163293	50781	61.9	5.198	821			17.0				93

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

CELESTIAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20341
 AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

72333Z
 STATION

AFB
 STATION NAME

73-81
 YEARS

YEARS

ALL
 MONTH

PAGE 1 1-1-1400
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
1/ 50																															1	1					
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2/ 99																																					
2/ 100																																					
Σ x²	Σ x	Σ	Σ	No. Obs.			Mean No. of Hours with Temperature						Total																								
Rel. Hum.							= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																								
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM NO 84 0-26-5 (OL A) REVISED THROUGH EDITIONS OF THIS FORM ARE OBSOLETE

HEADQUARTERS CLIMATOLOGY BRANCH
AFSA/TAC
ATMOSPHERIC SERVICE/MAL

PSYCHROMETRIC SUMMARY

STATION NAME: KANGAROO POINT

STATION NAME: KANGAROO POINT

72-21

YEARS

MOSES

PAGE 1 1957-1957

HOURS 1507

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
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44																																									
	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

PSYCHROMETRIC SUMMARY

701020 LANGFLEET STATION NAME

72-51 YEARS

YEARS

MONTH

PAGE 1 1955-04-01
 HOURS 5.7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
72																		.1	1	1													
71																		.1	1	1													
70														.1	.1	.1	.2	.1	1	1													
69														.1	.2	.4	.4		11	11													
68														1.2	1.7	.9	.2	.2	7	7													
67														3.2	1.2	.7	.1		12	12													
66														.7	1.1	1.6	.5	.1	7	7													
65														.9	1.4	2.7	3.2	1.2	27	27													
64														1.4	2.7	3.2	1.7	.7	29	29													
63														.7	1.1	2.9	1.1	1.4	31	31													
62														1.1	1.5	.9	1.2	.9	12	12													
61														1.1	1.7	.5	.7	.5	14	14													
60														.1	.1	.1	.1	.1	11	11													
59																			7	7													
58																			12	12													
57																			12	11													
56																			10	10													
55																			12	12	14.5												
54																			17	17	18.3												
53																			17	17	18.4												
52																			19	19	18.9												
51																			19	19	18.9												
50																			14	14	18.1												
49																					18.1												
48																					18.1												
47																					18.1												
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43																					18.1												
42																					18.1												
41																					18.1												
TOT		1.1	5.6	3.6	5.7	6.5	6.5	10.4	9.8	13.4	11.4	11.2	7.6	4.2	1.0	.9	.4		205	205	18.5												

USAFETAC FORM 0-20-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. MAR 54

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

702535 STATION VANCE AFB TX STATION NAME 75-81 YEARS PAGE 1 ALL MONTH ALL HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point										
Totals	4.3	9.7	10.1	11.0	10.2	9.0	9.0	7.6	7.2	6.8	5.7	4.7	2.8	1.6	.7	.4	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416	6416

Element (X)	Σ x ²	Σ x	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature							
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Rel. Hum.	222 5561	357279	55.7	18.978	6416			713.2	583.5	389.7	170.8		744
Dry Bulb	42467953	518673	80.8	9.328	6416			520.8	147.0	.1			744
Wet Bulb	3 257 944	439747	68.5	4.338	6416			157.2	4.1				744
Dew Point	24687194	396336	61.8	5.694	6416								744

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

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722535 VANCE AFB TX STATION NAME

72-81

YEARS

SEP
 MONTH

PAGE 1 0000-0000
 HOURS 11.57

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	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																												1	1						
79																												1	1						
78																												5	5						
77																												1	1						
76																												14	14						
75																												17	17						
74																												45	45						
73																												65	65						
72																												70	70						
71																												61	61	29	21				
70																												55	55	10	24				
69																												74	74	39	14				
68																												63	63	94	52				
67																												41	41	71	54				
66																												45	45	61	65				
65																												35	35	62	72				
64																												37	37	46	61				
63																												37	37	18	41				
62																												27	27	18	41				
61																												21	21	36	55				
60																												12	12	31	35				
59																												10	10	26	31				
58																												3	3	22	21				
57																												2	2	1	32				
56																															22				
55																															3	20			
54																																9			
53																																9			
52																																6			
TOTAL	1.0	14.3	19.4	20.1	20.1	13.6	6.8	2.8	.3	.3	.3																	771	771	721					

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	377489	1161	71.0	14.298	721	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	7329355	48639	67.5	8.177	721			52.3	28.6	4.1		90
Wet Bulb	2752767	44241	61.4	7.208	721			25.7	2.7			90
Dew Point	2411535	41257	57.2	8.394	721			11.6				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

703535 VANCE AFB TX 72-81 SEP MONTH 1950-1950
 STATION STATION NAME YEARS PAGE 1 7300-0500
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
70																																						
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100																																						
TOTAL																																						

Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	442268	55956	76.4	17.105	732	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	3131843	47517	64.9	8.046	732			42.5	17.7	1.2		90
Wet Bulb	2698737	44111	67.3	7.450	732			10.4	1.4			90
Dew Point	2429875	41723	57.1	8.412	732			11.3	.4			90

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

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

PSYCHROMETRIC SUMMARY

STATION: 70735 NAME: LANCASHIRE YEAR: 72-61 MONTH: SEP
 STATION NAME: LANCASHIRE YEARS: 72-61 MONTH: SEP
 PAGES: 1 HOURS: 2400-0000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
72																																					
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37																																					
36																																					
35																																					
TOTAL	4.25	2.26	6.22	5.13	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	

USAFETAC FORM 54 0-26-5 (OL A) REVISION 10-60 (10-60)

Element (X)	Σ X'	Σ X	R	r _s	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	4039132	5722	77.71	0.303	781							
Dry Bulb	3325467	5577	64.9	0.017	781			40.6	16.0	1.4		90
Wet Bulb	2892894	4718	60.4	0.004	781			20.6	1.4			90
Dew Point	2623714	44814	57.4	0.186	781			11.1	0.6			90

PSYCHROMETRIC SUMMARY

727055 LARCC AFB OK STATION NAME

70-81 YEARS

OFF MONTH

USAFETAC FORM 0-26.5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15	16	17	18	19	20-21	22-23	24-25	26-27	28-29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point										
8/ 91												.1			.1														1	1						
7/ 92												.2			.1														5	5						
6/ 91												.1	.1	.4	.7	.1	.1												13	13						
5/ 87											.4	.1	.5	1.0	.9														23	23						
4/ 87											.4	.6	1.4	.6		.1													25	25						
3/ 81					.1	.1	.8	.6	1.4	1.2	.5	.1																	42	42						
2/ 86				.1	.4	.9	1.2	.4	.4	.1																			44	44						
1/ 81			.1	.4	1.2	1.2	1.7	.9	.4	.1																			49	49						
7/ 77			.1	.5	.6	1.5	1.5	1.1	.2	.1																			58	58	70					
6/ 71			.1	.8	1.9	2.6	.5	.4	.4																				55	55	21	5				
5/ 77			.4	.5	2.1	1.1	1.2	1.1	.6	.1		.1																	58	58	66	23				
4/ 71		.1	.1	1.1	1.5	1.2	1.4	.7	.2																				59	59	85	47				
3/ 69		.1	.8	1.7	.6	1.4	.5	.3	.5	.1																			53	53	66	47				
2/ 67		.5	.9	1.4	.9	.7	.2	.1																					45	45	65	50				
1/ 65		.7	1.1	.7	1.4	.9	.6	.9	.1																				47	47	65	64				
7/ 62			1.7	.6	.6	.6	1.1	.5	.1																				42	42	79	66				
6/ 61		.1	1.1	.5	1.1	.5	.7	.5																					38	39	60	70				
5/ 69		.1	.6	.7	.6	.5	.7	.1																					35	35	54	61				
4/ 57		.1	.5	.3	.4	.5	.2																						31	31	76	47				
3/ 55		.1	.2	.4	.5	.6	.1																						17	17	37	42				
2/ 53		.2	.7	.2	.4																								13	13	37	44				
1/ 51		.1	.4	.1																									5	5	72	45				
7/ 44		.1	.5																										5	5	72	41				
6/ 47																															11	28				
5/ 45																															3	18				
4/ 43																																	18			
3/ 41																																	16			
2/ 37																																	13			
1/ 35																																	1			
3/ 23																																	1			
TOTAL		2.5	8.4	10.7	13.1	14.3	17.0	13.0	8.4	6.3	4.0	2.1	.4	.4															877	877		817				
Element (X)		Σx^2	Σx	R	σ_n	No. Obs.	$\pm 0 F$	$\pm 32 F$	Mean No. of Hours with Temperature				Total																							
Rel. Hum.		3418712	50836	63.0	16.392	837			$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	93																							
Dry Bulb		43871.6	58978	73.1	9.762	837			65.7	48.2	26.1	.7	90																							
Wet Bulb		338.130	51894	64.3	7.312	837			40.8	11.2			90																							
Dew Point		2849282	47473	58.8	8.407	837			15.2	1.9			90																							

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAF

PSYCHROMETRIC SUMMARY

STATION: ANGELO AFB TX STATION NAME: 7201 YEARS: 1955
 MONTH: 12
 PAGE: 1200-1400
 HOURS: 5, 17

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL Wet Bulb De-w 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.		Div.					
77/ 1																																				1	1				
77/ 19																																				4	4				
77/ 37																																				25	25				
77/ 54																																				26	26				
77/ 62																																				73	37				
77/ 81																																				22	22				
77/ 87																																				53	57				
77/ 88																																				72	72				
77/ 89																																				47	47				
77/ 93																																				57	57				
77/ 94																																				59	59				
77/ 95																																				52	52	2			
77/ 97																																				49	49	16			
77/ 98																																				55	55	4			
77/ 99																																				36	34	78			
77/ 99																																				33	33	117			
77/ 59																																				73	38	87			
77/ 67																																				41	41	91			
77/ 68																																				27	27	75			
77/ 68																																				70	25	49			
77/ 61																																				16	16	46			
77/ 59																																				14	14	75			
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77/ 55																																				9	9	26			
77/ 57																																				7	7	75			
77/ 54																																				2	2	23			
77/ 48																																					2	2	17		
77/ 47																																						3	3	26	
77/ 40																																							24	24	
4/ 43																																							22	22	
77/ 41																																							23	23	
77/ 37																																							16	16	
77/ 35																																							4	4	
Element (X)	Z _R ²	Z _R	X	σ _R	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

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

PSYCHROMETRIC SUMMARY

721537 WANCE AFB OK STATION NAME

73-81

YEARS

LEP
 MONTH

PAGE 1 1270-1400
 HOURS 15.1

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						
72.1		4.3	3.7	6.5	6.2	10.3	11.7	13.5	11.7	9.9	8.8	6.2	3.7	2.1																								80.0	70.0	57.0	57.0	
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Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total																															
Rel. Hum.	23,453.7	4046.5	57.17	192.19	856	0 F	32 F	67 F	73 F	80 F	93 F	90																														
Dry Bulb	51,722.4	5416.9	79.51	10.49	856			7.9	67.7	45.3	9.9	90																														
Wet Bulb	35,723.8	434.6	66.3	6.99	856			51.7	17.1			9																														
Dew Point	27,963.7	462.5	58.3	8.69	856			3	15.1	1.3		90																														

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

DISTAL OUTMETEOROLOGICAL BRANCH
 STATION
 STATION NO. 1001 / MAC

PSYCHROMETRIC SUMMARY

STATION NAME

19-81

YEARS

MONTH

DATE 10-17-68
 HOURS 10:00

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	
70.0																																			
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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	1671.75	77.59	48.517	0.771	16						
Dry Bulb	126776	50.47	81.210	0.420	16			1.2	1.3	55.1	12.1
Wet Bulb	52358	31.49	66.677	0.775	16			1.2	14.7		
Dew Point	57445	45.61	58.18	0.899	16			1.2	1.2		

USAFETAC FORM 0-26-5 (01-61) METEOROLOGICAL BRANCH OF THE NATIONAL BUREAU OF STANDARDS

NATIONAL BUREAU OF STANDARDS
ATLANTA, GEORGIA

PSYCHROMETRIC SUMMARY

STATION NAME: WASHINGTON FIELD STATION
STATION NUMBER: 11991
YEARS: 1951-1952

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

USAFETAC FORM 84 0.26.5 (OL A) REVISED METHODS SCHEDULE OF THIS AND ARE CALIBRATED

USAFETAC
 WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: ANCE AFB TX STATION NAME: ANCE AFB TX YEARS: 70-81
 MONTH: ALL HOURS: ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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																																					
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Element (X)	Z _x '	Z _x	\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 84 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS PUBLICATION OBSOLETE

UNITED STATES AIR FORCE
 METEOROLOGICAL SERVICE
 METEOROLOGICAL BRANCH

PSYCHROMETRIC SUMMARY

STATION NO. 727035 STATION NAME LANGLAFB OK

DATE 72-01 YEARS

PERIOD MONTH ALL
 HOURS ALL

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

Element (X)	Σ X'	Σ X	R	σ _R	No. Obs.	Mean No. of Hours with Temperature			
						= 0 F	= 32 F	= 67 F	= 73 F
Rel. Hum.	264254.3	3858.3	62.719	0.003	6151				
Dry Bulb	32726674	444948	72.310	0.071	6151				
Wet Bulb	24970052	389217	63.3	7.462	6151				
Dew Point	2779161	373655	57.5	8.512	6151		.9	96.5	6.6

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

PSYCHROMETRIC SUMMARY

STATION: STATION NAME: YEARS: MONTH:
 FACT: HOURS:

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

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	435126	54338	71.428	9.264	761		6	8.1	0			92
Wet Bulb	192211	37427	49.996	7.05	761		2.1	7.0				93
Dew Point	1586250	33776	44.41	7.05	761		15.4	6				93

USAFETAC FORM 0-26-5 (OLA) 48-100 (REV. 1-55) (THIS FORM IS OBSOLETE)

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PSYCHROMETRIC SUMMARY

103735 VANCE AFB TX 70-81 YEARS OCT MONTH
STATION STATION NAME PAGE 1 0670-0673 HOURS 1 5 7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
1 / 73			.1	.1														4	4																		
1 / 70			.1	.1														3	3																		
1 / 69			.1	.1														10	10																		
1 / 67			.1	.1														12	12																		
1 / 65		.1	.1	.1														34	34	16	7																
1 / 63		.1	.1	.1														32	32	19	7																
1 / 61		.1	.1	.1														37	37	19	8																
1 / 59		.1	.1	.1														53	53	29	10																
1 / 57		.1	.1	.1														53	53	33	10																
1 / 55		.1	.1	.1														67	67	30	7																
1 / 53		.1	.1	.1														71	71	46	43																
1 / 51		.1	.1	.1														73	74	69	41																
1 / 49		.1	.1	.1														79	79	67	47																
1 / 47		.1	.1	.1														55	55	45	19																
1 / 45		.1	.1	.1														45	46	41	49																
1 / 43		.1	.1	.1														37	37	34	36																
1 / 41		.1	.1	.1														43	43	58	44																
1 / 39		.1	.1	.1														39	39	74	49																
1 / 37		.1	.1	.1														16	16	75	62																
1 / 35		.1	.1	.1														23	27	39	49																
1 / 33		.1	.1	.1														12	12	36	46																
1 / 31		.1	.1	.1														3	3	14	35																
1 / 29		.1	.1	.1														3	3	5	23																
1 / 27		.1	.1	.1														1	1	1	16																
1 / 25		.1	.1	.1														1	1	1	9																
1 / 23		.1	.1	.1														1	1	1	11																
1 / 21		.1	.1	.1														1	1	1	2																
1 / 19		.1	.1	.1														1	1	1	2																
TOTAL		.223	.133	.721	.512	.6	.5	.2	.2	.2	.7								817	817	817																

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	44343.3	5893.1	72.713	8.05	817	≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	2395338	43440	53.6	9.199	817		.9	7.5	.8			93
Wet Bulb	21752	39782	49.1	9.013	817		2.8	2.4				93
Dew Point	171954	36122	44.61	6.11	817		13.5	.8				93

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

ALPHAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

OFFICE STATION WANCE AFB OK STATION NAME 73-81 YEARS 1970-1970 MONTH 10
 PAGE 1 HOURS 110

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												
71	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	57.0	67.0														
																						TOTAL		TOTAL									

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	314257	48459	58.418	378	83							93
Dry Bulb	333546	5214	62.7	9.541	83			32.4	14.7	3.0		93
Wet Bulb	2422697	44971	54.2	8.225	83			7.1				93
Dew Point	1895114	38652	46.61	7.13	83	8.0	2.0					93

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

FEDERAL CLIMATE BUREAU
 WASHINGTON, D. C.
 AIR WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

STATION: LANGLE AFB TX STATION NAME: Langl YEARS: 1952-1953
 MONTH: NOV

PAGE: 1 HOURS: 1440

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
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USAFETAC FORM 0-26.5 (OLA) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
 CLIMATOLOGY BRANCH
 WETBULB THERMOMETER
 AIR STATION SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION NO. 10207 AFW
 STATION NAME

70-61

YEARS

PERIOD 12-1-60-12-31-60
 MONTHS
 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point	
10.5	5.4	5.9	7.5	7.9	8.1	7.7	7.2	7.2	7.1	8.3	6.5	5.4	7.5	1.0	.4																						

Element (X)	$\sum X$	$\sum X^2$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	4143.38	185504	69.81	9.709	59			59.4	41.2	18.	.3	93
Wet Bulb	2766.54	47477	57.1	8.772	59			11.4	.3			93
Dew Point	1904.72	38614	48.51	1.312	59		11.9	7.2				93

USAFETAC FORM 8-54 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

PSYCHROMETRIC SUMMARY

STATION NO. 14-01-100 STATION NAME 14-01 YEARS 1961
 MONTH 17 HOURS 24

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

USAFETAC
 CENTRAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.

PSYCHROMETRIC SUMMARY

STATION: **LAND WEATHER STATION** STATION NAME: **LAND WEATHER STATION** YEARS: **1957-1958** MONTH: **1957-1958** HOURS: **1957-1958**

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																							
4.0	5.6	7.0	8.7	11.1	12.7	14.2	11.1	10.5	8.4	6.7	2.0	1.0																																																																																															
<table border="1"> <thead> <tr> <th>Element (X)</th> <th>ΣX</th> <th>ΣX^2</th> <th>\bar{X}</th> <th>σ^2</th> <th>No. Obs</th> <th colspan="4">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <th>0 F</th> <th>32 F</th> <th>67 F</th> <th>73 F</th> <th>80 F</th> <th>93 F</th> <td></td> </tr> </thead> <tbody> <tr> <td>Rel. Hum.</td> <td>10234.3</td> <td>7223</td> <td>44.619</td> <td>698</td> <td>227</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>27</td> </tr> <tr> <td>Dry Bulb</td> <td>425455</td> <td>53638</td> <td>7.910</td> <td>935</td> <td>327</td> <td></td> <td></td> <td>67.0</td> <td>45.7</td> <td>2</td> <td></td> <td>27</td> </tr> <tr> <td>Wet Bulb</td> <td>215002</td> <td>17888</td> <td>5.737</td> <td>859</td> <td>327</td> <td></td> <td></td> <td>11.0</td> <td>6</td> <td></td> <td></td> <td>27</td> </tr> <tr> <td>Dew Point</td> <td>12046</td> <td>37662</td> <td>45.611</td> <td>439</td> <td>327</td> <td></td> <td>14.7</td> <td>1.3</td> <td></td> <td></td> <td></td> <td>27</td> </tr> </tbody> </table>																																Element (X)	ΣX	ΣX^2	\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.	10234.3	7223	44.619	698	227							27	Dry Bulb	425455	53638	7.910	935	327			67.0	45.7	2		27	Wet Bulb	215002	17888	5.737	859	327			11.0	6			27	Dew Point	12046	37662	45.611	439	327		14.7	1.3				27
Element (X)	ΣX	ΣX^2	\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.	10234.3	7223	44.619	698	227							27																																																																																															
Dry Bulb	425455	53638	7.910	935	327			67.0	45.7	2		27																																																																																															
Wet Bulb	215002	17888	5.737	859	327			11.0	6			27																																																																																															
Dew Point	12046	37662	45.611	439	327		14.7	1.3				27																																																																																															

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

FEDERAL CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 WEATHER SERVICE/MAIL

PSYCHROMETRIC SUMMARY

STATION NAME: LANGFLECK STATION NAME

YEARS

PERIOD

PERIOD MONTHS: ALL

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

Element (X)	Σx'	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. Hum.	214450	37474	52.420	0.98	6375							
Dry Bulb	247528	39152	61.411	5.78	6375		2.2	247.4	131.6	45.1	1.1	744
Wet Bulb	164415	33755	53.8939		6375		6.7	44.3	.9			744
Dew Point	1357425	25912	45.310	9.45	6375		102.7	8.9				744

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

GENERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION AIRCRAFT STATION NAME 72-81

YEARS

NOV
 MONTH

PAGE 1 2000-000
 HOURS 11.5.1.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point														
67		.1	.2	.4	.4	.7		.1										14	14																
68		.8	.4	.7	.1	.1												17	17																
69		.6	.6	.6	.7													14	14		7														
70	.1	1.1	1.1	1.1	.1	.6		.1										29	29		16														
71		1.0	1.7	.3	.1	.1		.3										22	22		20														
72	.3	1.3	1.7	.4	.6	.7												34	34		21														
73	.4	1.4	.4	.6	.4	.7												24	24		22														
74	.4	1.1	1.1	.7	.4	.1												27	27		19														
75	.1	2.2	1.1	2.2	.3	.6												47	47		15														
76	.1	3.5	2.1	1.8	.9	.7												73	67		48														
77		1.7	2.9	1.7	.6													46	46		46														
78		1.6	3.6	1.8	.4													55	55		50														
79		1.5	3.6	1.8	.7													55	55		49														
80	.7	1.5	2.7	.4	.7													77	37		55														
81	.1	3.3	3.3	.6														67	57		59														
82	.1	3.1	1.8	1.8	.1													77	77		61														
83		3.0	3.1		.7													73	33		43														
84	.1	3.2	1.1	.1														73	33		39														
85		1.1	1.3															41	21		43														
86		.5	.6	.4														17	17		23														
87		1.3																17	17		17														
88		.6	.6															9	9		11														
89		.4	.7															5	5		15														
90		.4	.7															7	7		4														
91		.1	.1															2	2		6														
92		.4																3	3		3														
93	.3																	3	3		3														
94																																			
95																																			
96																																			
97																																			
98																																			
99																																			
100																																			
Element (X)	$\Sigma X'$	ΣX	\bar{X}	s^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) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JUL 64

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

PSYCHROMETRIC SUMMARY

STATION NO. 703339 STATION NAME WACO, TEXAS YEARS 77-81 MONTH NOV

PAGE 1 HOURS 2000-0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. - W.B.	TOTAL Dry Bulb - Wet Bulb	Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				31	
70	.23	.33	.43	.53	.63	.73	.83	.93	1.03	1.13	1.23	1.33	1.43	1.53	1.63	1.73	1.83	1.93	2.03	2.13	2.23	2.33	2.43	2.53	2.63	2.73	2.83	2.93	3.03	3.13	3.23	720	720			
71																																				
72																																				
73																																				
74																																				
75																																				
76																																				
77																																				
78																																				
79																																				
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94																																				
95																																				
96																																				
97																																				
98																																				
99																																				
100																																				
Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.	41.678	3555	74.417	393	720	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	90																								
Dry Bulb	14568.9	31467	43.717	714	720		13.1	.1				90																								
Wet Bulb	1242.11	28997	40.317	158	720		19.4					90																								
Dew Point	1015712	25722	35.711	633	720		35.5					90																								

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

CENTRAL CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: **LAO AFB LA** STATION NAME: **LAO AFB LA** YEARS: **73-81** MONTH: **NOV**
 PARTIAL MONTHS: **NOV 01-10**

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70				.1		.4												14	14																
71		1.1	.4	.1	.1													14	14																
72		.1	.6	.6														22	22	11															
73		.6	1.2	.1		.6												11	11	14	7														
74		.1	.7	.4	.3	.1												34	34	27	18														
75		.1	1.7	.7	.4	.7												24	24	22	17														
76	.4	1.4	1.8	.8	.7													33	33	18	29														
77		.1	1.5	1.2	.3													27	27	26	15														
78		4.3	1.1	.6	.4													51	51	27	15														
79		7.2	1.6	1.7	.3													51	51	33	21														
80		1.8	3.5	1.2	.7													58	58	40	18														
81		1.5	3.5	1.4	.1													48	48	32	12														
82	.1	2.1	4.2	.6	.1													53	53	35	19														
83	.1	4.3	1.7	.7														52	52	31	31														
84	.6	3.5	3.5	.6														56	56	33	31														
85		7.0	2.6	.1														41	41	4	33														
86		2.0	1.2	.7														33	33	1	33														
87	.1	1.7	1.4															27	27	44	44														
88		2.8	.7	.4														22	22	13	37														
89		1.7	.1															17	17	7	41														
90		1.1	.1															6	6	1	14														
91		.6	.1															4	4	6	27														
92		.6	.1															4	4	6	26														
93		.7																5	5	1	13														
94		.5																6	6	1	8														
95		.1																1	1	6	3														
96																					3														
97																					7														
98																					3														
99																					7														
100																					3														
TOTAL		7.45	8.33	8.10	7.94	1.2	.3											722	722		722														

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

Element (X)	ΣX'	ΣX	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	4377197	55627	76.91	2.169	722						
Dry Bulb	1283535	78739	42.01	7.611	722		16.1				95
Wet Bulb	117832	28210	39.11	6.274	722		23.0				95
Dew Point	783718	25274	35.11	7.17	722		39.4				95

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

PSYCHROMETRIC SUMMARY

DATE: 11-01-61 STATION: LANGLEY AFB VA STATION NAME: 73-61 YEARS: NOV MONTH: NOVEMBER, 1961 PAGE: 1 HOURS: 24

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
70	51	73	44	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	77.0	77.0	77.0	77.0			

Element (X)	Z _R ²	Z _R	R	σ _R	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	4.712	6.610	76.711	4.006	77	0	17	0	0	0	0	17
Wet Bulb	141142	31757	41.510	0.522	77	0	17	0	0	0	0	17
Dew Point	135994	3798	38.211	0.76	77	0	17	0	0	0	0	17

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

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 40 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: LAUG AFB TX STATION NAME: LAUG AFB TX YEARS: 71-71 NO. 03474
 PAGE: 0900-1100
 HOURS: 15.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 77																		1	1															
7 / 75									.2	.2								2	2															
7 / 73									.4	.2	.1							3	6															
7 / 71									.4	.1								1	1															
7 / 69				.1		.4	.2	.1										2	7															
7 / 67				.4	.2	.1												1	1															
7 / 65				.4	.2	.1												1	10															
7 / 63				.4	.2	.1												24	24															
7 / 61				.4	.2	.1												24	24															
7 / 59				.4	.2	.1												27	27															
7 / 57				.4	.2	.1												32	32															
7 / 55				.4	.2	.1												40	47															
7 / 53				.4	.2	.1												47	47															
7 / 51				.4	.2	.1												73	73															
7 / 49				.4	.2	.1												80	80															
7 / 47				.4	.2	.1												85	85															
7 / 45				.4	.2	.1												85	85															
7 / 43				.4	.2	.1												85	85															
7 / 41				.4	.2	.1												85	85															
7 / 39				.4	.2	.1												85	85															
7 / 37				.4	.2	.1												85	85															
7 / 35				.4	.2	.1												85	85															
7 / 33				.4	.2	.1												85	85															
7 / 31				.4	.2	.1												85	85															
7 / 29				.4	.2	.1												85	85															
7 / 27				.4	.2	.1												85	85															
7 / 25				.4	.2	.1												85	85															
7 / 23				.4	.2	.1												85	85															
7 / 21				.4	.2	.1												85	85															
7 / 19				.4	.2	.1												85	85															
7 / 17				.4	.2	.1												85	85															
7 / 15				.4	.2	.1												85	85															
7 / 13				.4	.2	.1												85	85															
7 / 11				.4	.2	.1												85	85															
Element (X)	Z _X '	Z _X	X	°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 0-76-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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

PSYCHROMETRIC SUMMARY

STATION: LAKE CHARLES STATION NAME: LAKE CHARLES YEARS: 1951 MONTH: NOV
 FROM: 11/1 TO: 11/30 HOURS: 24

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
71.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	31.0	8.0	8.0

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

Element (X)	ΣX	ΣX^2	\bar{X}	s^2	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	785.37	6379	6.516	751	803	0	7	1	1	0	0	10
Dry Bulb	1434.5	7439	47.917	942	804	0	7	1	1	0	0	10
Wet Bulb	1113.0	7425	47.19	687	803	0	1	1	1	0	0	10
Dew Point	122.71	9941	37.31	694	803	0	5	0	0	0	0	10

PSYCHROMETRIC SUMMARY

REPORT OF MONTHLY
 DATA

STATION NAME

1961

YEARS

DATE

1961-1962

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		
70																																						
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
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100																																						

USAFETAC FORM 076-5 (OL.A) REVISED WET BULB TEMPERATURE DEPRESSION (F)

Element (X)	Z ₁	Z ₂	X	Y	No. Obs.	Mean No. of Hours with Temperature						
Rel Hum	20.77	19.46	43.77	54.42	590	0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total
Dry Bulb	25.57	46.11	14.74	37.11	594			17.0	6.0	1.0		
Wet Bulb	1.20	2.28	7.73	46.73	598							
Dew Point	12.25	17.47	10.73	37.11	594							

LOCAL CLIMATE DIVISION BRANCH
 1950-51
 1952-53

PSYCHROMETRIC SUMMARY

STATION: STATION NAME: YEARS:

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
0																																			
1																																			
2																																			
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Dry Bulb																																			
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Element (X)	$\sum X'$	$\sum X$	\bar{X}	σ_x	No. Obs.																														
Rel Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM NO. 44 0-265 (OLA) REVISED PREVIOUS EDITIONS OF THIS PUB. ARE OBSOLETE.

FEDERAL CLIMATOLOGY BRANCH
 AF LTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION NAME: WASHINGTON METRO
 STATION NAME

7-31-51

YEARS

MONTH

PERIOD: 150-0700
 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL												
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point									
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Σ X	35	31	4	74	66	55	51	744	77																																				
Rel. Hum.									77	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																													
Dry Bulb									77		6.1																																		
Wet Bulb									77		11.7																																		
Dew Point									77		31.5																																		

USAFETAC FORM 0-26-5 (OLA) JUL 54 REVISED PREVIOUS EDITIONS OF THIS PUBLICATION OBSOLETE

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE ZMAZ

PSYCHROMETRIC SUMMARY

STATION: WALCZ AFB STATION NAME: WALCZ AFB

72-81

YEARS

NO. MONTHS

PERIOD: 01-01-02
01-01-02
 HOURS: 0000-0000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
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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					Total	
Rel. Hum						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

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

PSYCHROMETRIC SUMMARY

STATION NAME: LA JOLLA AFB CA
 STATION: LA JOLLA AFB CA

74-81

YEARS

000
 MONTH

PAGE: 1
 HOURS: 5

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point							
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Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total																																
Rel. Hum						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																																
Dry Bulb																																												
Wet Bulb																																												
Dew Point																																												

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

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
ATTENTION: SERVICEMAN/MAC

PSYCHROMETRIC SUMMARY

STATION: LA OLA AFB TX STATION NAME: 4-81 YEARS: _____
 DATE: _____ MONTH: _____
 HOURS: _____

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

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	31627	51733	52.516486		744							93
Dry Bulb	114241	76897	38.973		744							93
Wet Bulb	114241	76897	38.973		744							93
Dew Point	18955	25511	28.8		744	1.4	68.6					93

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

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 WASHINGTON, D. C. 20541

PSYCHROMETRIC SUMMARY

STATION: LA CLAY FORT STATION NAME: LA CLAY FORT YEARS: 1951
 MONTH: NOVEMBER HOURS: 24

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
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USAFETAC FORM 0-10-5 (OL A) 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. Hum.						0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

WET BULB TEMPERATURE DEPRESSION (F)

PSYCHROMETRIC SUMMARY

STATION: A. C. W. F. U. K. STATION NAME: YEARS:

YEARS

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

USAFETAC FORM 8-64 0 26 5 10 (A) REVISED PER HOUSE REPORT OF THIS BOARD AND BUREAU

U.S. AIR FORCE
 1957

PSYCHROMETRIC SUMMARY

STATION: STATION NAME: YEARS: MONTHS:
 PERIOD: HOURS:

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

PSYCHROMETRIC SUMMARY

STATION: WANCE AF BUNK STATION NAME: WANCE AF BUNK YEARS: 1951 MONTH: DEC
 PAGE: 1 HOURS: 12

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

75

U.S. ARMY
 FEDERAL BUREAU OF SURVEY
 CLIMATE BRANCH

PSYCHROMETRIC SUMMARY

STATION LA. CO. AFB TX STATION NAME 70-34

YEARS

MONTH

PERIOD 1951-52
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
100																																							
95	1.1																																						
90	2.6	1.1																																					
85	3.1	2.1	1.1																																				
80	3.9	2.8	1.8	1.1																																			
75	4.1	3.1	2.1	1.1	1.1																																		
70	5.1	4.1	3.1	2.1	1.1	1.1																																	
65	6.1	5.1	4.1	3.1	2.1	1.1	1.1																																
60	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1																															
55	7.8	6.8	5.8	4.8	3.8	2.8	1.8	1.8	1.1																														
50	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1																													
45	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9	1.9	1.1																												
40	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1	1.1																											
35	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1	1.1																										
30	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9	1.9	1.9	1.1																									
25	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1	1.1	1.1																								
20	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9	1.9	1.9	1.9	1.1																							
15	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1																						
10	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9	1.9	1.9	1.9	1.9																						
5	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1	1.1	1.1																						
0	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9	1.9	1.9	1.9																						
	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1	1.1																						
	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9	1.9	1.9																						
	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1	1.1																						
	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9	1.9																						
	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	1.1																						
	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9	1.9																						
	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1																						
	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9	1.9																						
	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1																						
	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9	2.9																						
	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1																						
	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	3.9																						
	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1																						
	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9																						
	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1																						
	21.9	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9	5.9																						
	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1																						
	22.9	21.9	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9	6.9																						
	23.1	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1																						
	23.9	22.9	21.9	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9	7.9																						
	24.1	23.1	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1																						
	24.9	23.9	22.9	21.9	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9	8.9																						
	25.1	24.1	23.1	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1																						
	25.9	24.9	23.9	22.9	21.9	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9	9.9																						
	26.1	25.1	24.1	23.1	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1																						
	26.9	25.9	24.9	23.9	22.9	21.9	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9	10.9																						
	27.1	26.1	25.1	24.1	23.1	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1																						
	27.9	26.9	25.9	24.9	23.9	22.9	21.9	20.9	19.9	18.9	17.9	16.9	15.9	14.9	13.9	12.9	11.9																						
	28.1	27.1	26.1	25.1	24.1	23.1	22.1	21.1	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1																						
	28.9	27.9	26.9	25.9	24.9	23.9	22.9																																

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

PSYCHROMETRIC SUMMARY

STATION NAME: ... YEARS: ... STATION: ...

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

USAFETAC
 FORM 422
 (REV. 12-11-68)

PSYCHROMETRIC SUMMARY

STATION NO. 40 STATION NAME AFB YEARS 1968 OF MONTHS
 RANGE 1-12 DATE 1-12-68 HOURS 0-24

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																			

USAFETAC FORM 422 (REV. 12-11-68)

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel Hum	1151	30736	61.47	0.95	625	< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	744
Dry Bulb	1151	21240	34.14	1.15	625	2	6					744
Wet Bulb	1151	21240	34.14	1.15	625	2	7					744
Dew Point	1151	14857	23.77	1.28	625	5	28					744

PSYCHROMETRIC SUMMARY

ADULTERATED BY HANON
 740
 STATE OF PENNSYLVANIA

STATION NO. 40017 STATION NAME TUCUMPHO YEARS 1964
 MONTH 10 HOURS 00

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
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Element (X)	Σx^2	Σx	\bar{x}	s^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 0-26-5 (01A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE

MEANS AND STANDARD DEVIATIONS

TEMPERATURES PER MONTH FOR EACH MONTH

STATION NAME	MONTH											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MEAN	38.3	42.7	54.3	61.7	71.1	77.2	79.8	87.1	89.8	81.9	68.7	51.1
S.D.	11.95	11.88	9.27	9.14	7.84	6.49	4.82	3.81	3.17	4.17	10.14	14.77
TOTAL OBS.	128	128	128	128	128	128	128	128	128	128	128	128
MEAN	71.0	43.9	51.6	59.4	68.8	74.0	72.1	64.4	51.8	41.0	31.0	24.0
S.D.	11.38	12.16	8.33	7.77	6.37	4.30	4.58	5.14	6.34	10.11	14.77	17.77
TOTAL OBS.	69	69	69	77	74	70	76	73	73	76	72	70
MEAN	71.8	41.0	51.0	58.7	67.8	75.0	72.4	64.3	51.8	41.8	31.0	24.0
S.D.	11.81	11.11	8.62	8.00	7.77	6.30	5.89	5.17	5.17	8.31	12.08	14.84
TOTAL OBS.	77	77	71	71	71	71	67	67	61	67	70	70
MEAN	71.6	44.8	51.0	58.6	67.1	75.4	72.1	63.1	52.1	41.8	31.0	24.0
S.D.	11.31	12.7	7.11	6.92	6.11	4.16	7.81	7.14	7.71	9.76	12.40	14.84
TOTAL OBS.	75	75	63	63	63	64	64	67	67	64	64	64
MEAN	71.8	43.8	53.8	61.0	71.8	78.8	81.8	88.8	81.8	68.8	51.8	31.8
S.D.	11.47	12.00	12.82	9.77	8.69	6.79	7.30	7.89	7.71	10.11	13.77	17.77
TOTAL OBS.	75	75	77	77	73	71	64	67	67	71	74	71
MEAN	71.8	43.2	52.4	60.7	70.1	78.0	83.0	91.0	81.0	70.8	51.1	31.0
S.D.	11.81	12.75	12.84	10.47	8.79	6.14	7.83	7.51	8.01	10.11	13.11	17.77
TOTAL OBS.	74	74	77	77	77	77	67	67	67	71	71	71
MEAN	71.8	43.8	51.8	60.0	70.0	78.0	83.0	91.0	81.0	70.8	51.1	31.0
S.D.	11.47	12.76	11.58	9.58	8.71	6.71	7.11	7.77	8.07	10.11	13.77	17.77
TOTAL OBS.	67	67	77	77	77	77	67	67	67	71	71	71
MEAN	71.8	43.2	52.8	60.8	70.8	78.8	83.8	91.8	81.8	70.8	51.1	31.0
S.D.	11.41	12.81	11.49	9.21	7.74	6.47	6.48	6.78	6.77	10.11	13.41	16.93
TOTAL OBS.	67	67	68	77	77	73	66	67	67	68	64	71
MEAN	71.8	43.8	53.4	61.3	71.0	78.8	83.8	91.8	81.8	70.8	51.1	31.0
S.D.	11.34	12.25	11.07	11.35	9.89	7.74	6.84	6.74	6.71	10.11	13.11	16.93
TOTAL OBS.	67	67	68	67	68	68	68	68	68	67	67	67

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VANCE AFB OKLAHOMA REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATION..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 02 DEC 82

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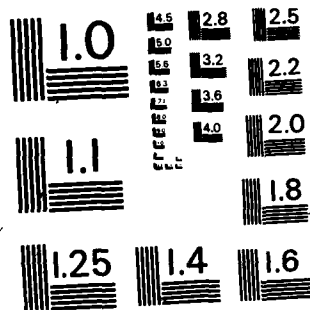
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

723705 VANCE AFB OK

73-81

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC	ANNUAL
2-07	MEAN	18.9	23.9	32.0	43.9	53.1	61.6	62.8	61.5	57.2	44.7	35.7	25.5	44.1
	S D	11.667	11.362	10.908	10.829	9.244	6.409	5.200	5.758	8.394	10.744	11.673	11.875	16.007
	TOTAL OBS	652	598	658	706	746	712	747	750	721	745	720	744	6499
2-08	MEAN	18.4	23.4	31.6	43.1	52.1	60.8	62.7	61.3	57.0	44.4	35.0	25.0	43.4
	S D	11.745	11.486	11.156	11.116	9.337	6.454	4.757	5.496	8.412	10.705	11.717	11.909	16.115
	TOTAL OBS	690	630	694	731	761	724	762	763	732	761	722	743	6721
5-8	MEAN	18.3	23.1	32.4	43.3	52.9	61.4	63.6	61.9	57.4	44.6	35.2	24.4	43.4
	S D	12.172	11.026	11.419	11.171	9.294	6.376	4.417	5.198	8.186	10.611	11.760	11.710	18.444
	TOTAL OBS	794	727	811	791	814	783	817	821	781	810	770	792	6498
-1	MEAN	20.1	25.5	34.8	45.6	54.3	62.2	64.7	63.2	58.8	46.6	37.3	26.6	45.1
	S D	12.688	11.091	11.707	11.254	9.934	6.875	4.508	5.316	8.407	10.713	11.694	11.372	16.217
	TOTAL OBS	624	756	837	878	831	794	834	837	807	837	803	819	6787
11-14	MEAN	21.0	27.0	35.4	46.0	54.8	62.1	63.5	62.3	58.3	46.5	37.5	27.5	45.3
	S D	12.597	10.634	11.778	11.637	10.152	7.384	5.489	5.729	8.691	11.312	12.181	11.673	17.737
	TOTAL OBS	623	756	837	810	830	795	834	837	806	831	804	821	6784
5-17	MEAN	22.0	27.3	34.8	45.7	54.7	62.0	62.0	61.2	57.1	45.6	37.3	27.6	44.9
	S D	12.496	11.258	11.630	11.769	10.024	7.222	5.905	5.942	8.899	11.439	11.977	11.607	17.387
	TOTAL OBS	612	740	817	809	827	790	831	833	872	827	804	812	6704
-2	MEAN	21.1	26.8	34.6	45.8	55.1	61.9	61.9	61.1	56.9	45.5	37.0	26.7	44.9
	S D	12.038	10.634	11.184	11.128	9.575	6.881	5.868	6.027	8.564	10.975	11.532	11.699	17.470
	TOTAL OBS	752	687	759	772	804	767	803	805	764	803	772	770	6258
1-23	MEAN	19.8	25.3	33.4	45.0	54.4	62.3	62.6	61.7	57.1	44.8	36.0	25.8	44.6
	S D	11.595	10.704	11.056	10.764	9.384	6.560	5.609	5.773	8.325	10.798	11.524	11.777	17.791
	TOTAL OBS	670	622	689	740	770	733	768	770	738	768	741	750	6767
ALL HOURS	MEAN	20.1	25.4	33.7	44.8	54.0	61.8	63.0	61.8	57.5	45.3	36.4	26.2	44.5
	S D	12.220	10.996	11.458	11.265	9.681	6.794	5.315	5.694	8.512	10.945	11.765	11.728	17.899
	TOTAL OBS	6033	5516	6092	6167	6383	6095	6396	6416	6151	6375	6136	6251	74012

FEDERAL BUREAU OF SURVEILLANCE
 METEOROLOGICAL SERVICE DIVISION

RELATIVE HUMIDITY

STATION WASHINGTON

PERIOD 1951

MONTH

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
	1-1	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	1
	1-2	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	2
	1-3	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	3
	1-4	100.0	99.0	91.0	76.0	62.0	47.4	33.0	20.0	10.0	5.0	99.0	4
	1-5	100.0	99.0	91.0	76.0	62.0	47.4	33.0	20.0	10.0	5.0	99.0	5
	1-6	100.0	99.0	91.0	76.0	62.0	47.4	33.0	20.0	10.0	5.0	99.0	6
	1-7	100.0	99.0	91.0	76.0	62.0	47.4	33.0	20.0	10.0	5.0	99.0	7
	1-8	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	8
	1-9	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	9
	1-10	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	10
	1-11	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	11
	1-12	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	12
	1-13	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	13
	1-14	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	14
	1-15	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	15
	1-16	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	16
	1-17	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	17
	1-18	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	18
	1-19	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	19
	1-20	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	20
	1-21	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	21
	1-22	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	22
	1-23	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	23
	1-24	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	24
	1-25	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	25
	1-26	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	26
	1-27	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	27
	1-28	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	28
	1-29	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	29
	1-30	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	30
	1-31	100.0	100.0	97.0	87.0	73.0	57.3	41.0	27.0	14.0	7.0	100.0	31
	TOTALS	100.0	99.5	91.5	76.9	62.0	47.4	33.0	20.0	10.0	5.0	100.0	31

RELATIVE HUMIDITY

NO. 10 METEOROLOGICAL FORM
1977
U.S. DEPARTMENT OF COMMERCE

STATION: LA CROSSE, WIS. PERIOD: 1977

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
-	-1	100.0	99.7	98.8	97.5	95.8	93.4	89.4	83.9	77.0	70.0	0
-	-2	100.0	99.7	98.6	97.0	94.5	91.1	86.7	80.3	72.9	66.0	0
-	-3	100.0	99.7	98.7	96.9	94.0	89.7	84.2	76.7	68.2	61.0	0
-	-4	100.0	99.5	97.5	94.7	90.5	85.6	79.7	72.3	64.0	56.0	151
1	-14	100.0	97.1	87.4	74.5	58.5	43.0	28.1	14.0	6.7	3.0	151
1	-17	100.0	73.5	42.4	27.7	14.9	8.5	4.9	2.0	1.7	1.7	747
1	-20	100.0	38.5	22.9	12.4	7.7	5.5	3.1	1.6	1.1	1.1	607
1	-23	100.0	99.0	97.3	91.2	81.2	69.5	48.7	34.4	21.5	13.0	607
TOTALS		100.0	78.5	94.2	87.3	77.5	64.2	44.0	24.5	9.0	35.4	1816

RELATIVE HUMIDITY

UNITED STATES AIR FORCE
 AIR SERVICE/MAG

STATION NAME: LA CLAYTON PERIOD: 1951 MONTH: 12

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURENCE
 (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%		
12	1-31	100.0	100.0	99.6	96.9	90.1	74.2	49.5	18.1	4.7	66.1	21
	1-17	100.0	100.0	99.7	96.4	94.7	83.9	63.3	26.	7.0	71.7	111
	1-7	100.0	100.0	100.0	99.7	96.7	83.3	61.7	23.3	7.7	77.7	701
	1-11	100.0	96.9	97.3	96.9	67.9	43.7	27.1	14.7	4.0	60.7	151
	1-15	100.0	76.4	66.3	66.3	44.7	26.6	17.6	8.	2.7	41.2	231
	1-17	100.0	76.7	6.	59.3	47.6	24.5	16.7	7.7	2.1	44.7	511
	1-20	100.0	99.4	93.7	78.1	58.9	39.6	22.7	11.1	2.3	60.1	171
	1-23	100.0	99.7	99.7	91.2	71.6	51.4	39.5	15.3	4.7	67.1	74
TOTALS		100.0	9.3	94.6	84.9	72.1	55.2	37.7	16.7	4.2	67.2	1167

1
 METEOROLOGICAL BRANCH
 4830
 WASHINGTON, D.C. 20340

RELATIVE HUMIDITY

STATION VA-0115-01 STATION NAME W-81 PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01	1-02	100.0	100.0	100.0	99.5	76.1	67.4	64.0	59.4	56.0	56.1	35
	1-03	100.0	100.0	100.0	100.0	98.4	92.2	75.7	70.4	67.6	77.1	36
	1-04	100.0	100.0	100.0	99.9	94.7	90.0	70.6	39.8	6.1	76.7	37
	1-05	100.0	99.9	95.6	90.1	78.6	74.4	29.4	11.3	4.1	79.6	38
	1-06	100.0	99.7	92.7	79.3	56.7	30.7	12.7	6.8	5.6	74.7	39
	1-07	100.0	100.0	91.2	73.5	50.3	21.3	10.6	4.6	5.5	71.0	40
	1-08	100.0	100.0	97.5	80.0	72.3	47.4	23.4	6.6	5.4	74.7	41
	1-09	100.0	100.0	107.7	80.1	92.3	78.3	51.7	27.3	15.0	70.7	42
TOTALS		100.0	100.0	97.5	71.4	79.9	63.5	42.3	19.6	4.1	68.0	408

RELATIVE HUMIDITY

ALBUQUERQUE, N.M.
 METEOROLOGICAL STATION
 DATA - MONTHLY SUMMARY

STATION: ALBUQUERQUE STATION NAME: ALBUQUERQUE PERIOD: 7-81 MONTH: JULY

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%		
JULY	1-24	100.0	100.0	100.0	99.9	94.8	84.1	67.4	49.1	34.6	27.0	731
	1-23	100.0	100.0	100.0	100.0	99.9	92.1	71.0	48.3	34.9	27.0	731
	1-22	100.0	100.0	100.0	99.7	95.9	83.9	61.4	33.1	24.4	21.2	731
	1-21	100.0	100.0	97.5	89.2	82.9	67.3	21.5	7.0	1.9	10.1	731
	1-20	100.0	99.1	97.7	98.1	95.8	18.9	8.1	2.1	.9	61.7	731
	1-19	100.0	98.7	97.6	97.0	32.7	13.6	6.0	2.7	.9	81.0	731
	1-18	100.0	99.4	97.0	79.5	51.3	27.5	11.7	4.7	1.0	26.0	731
	1-23	100.0	100.0	100.0	98.1	97.2	64.4	37.7	12.4	1.9	49.3	731
TOTALS		100.0	99.7	96.4	46.3	21.6	32.3	34.9	16.4	7.8	51.3	731

HEAD CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE BRANCH

RELATIVE HUMIDITY

STATION WASH DC METRO STATION NAME WASH DC METRO PERIOD 1-1-51 MONTH JUL

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
	1-1	100.0	100.0	97.0	91.0	87.0	80.4	73.0	64.0	53.0	42.0	34.7	147
	1-2	100.0	100.0	98.0	92.0	87.0	79.0	71.0	61.0	50.0	39.0	31.0	147
	1-3	100.0	100.0	98.0	92.0	87.0	79.0	71.0	61.0	50.0	39.0	31.0	147
	1-4	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-5	100.0	98.0	96.0	89.0	84.0	76.0	68.0	58.0	47.0	36.0	28.0	147
	1-6	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-7	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-8	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-9	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-10	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-11	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-12	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-13	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-14	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-15	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-16	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-17	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-18	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-19	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-20	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-21	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-22	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-23	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-24	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-25	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-26	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-27	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-28	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-29	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-30	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	1-31	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147
	TOTALS	100.0	99.0	97.0	90.0	85.0	77.0	69.0	59.0	48.0	37.0	29.0	147

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1-1	100.0	100.0	99.0	92.0	81.2	57.6	38.7	19.8	7.4	4.0	1
	1-2	100.0	100.0	99.0	95.0	89.9	73.5	49.7	26.0	11.0	5.0	21
	1-3	100.0	100.0	99.0	96.4	91.2	74.4	49.7	26.0	11.0	5.0	21
	1-4	100.0	100.0	99.0	97.3	94.7	76.6	49.7	26.0	11.0	5.0	21
	1-5	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-6	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-7	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-8	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-9	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-10	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-11	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-12	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-13	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-14	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-15	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-16	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-17	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-18	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-19	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-20	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-21	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-22	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-23	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-24	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-25	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-26	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-27	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-28	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-29	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-30	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	1-31	100.0	100.0	99.0	97.0	93.1	73.5	49.7	26.0	11.0	5.0	21
	TOTALS	100.0	99.0	91.0	74.0	57.0	40.3	25.0	13.3	5.0	56.0	1410

NO. 125 METEOROLOGICAL STATION
 NAME
 LOCATION

RELATIVE HUMIDITY

STATION MONTH PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
	1-10	100.0	100.0	100.0	96.0	70.0	38.0	22.0	15.0	10.0	8.0	7.0	100
	1-11	100.0	100.0	100.0	96.0	69.0	38.0	24.0	18.0	11.0	8.0	7.0	100
	1-12	100.0	100.0	100.0	95.0	68.0	37.0	23.0	17.0	11.0	8.0	7.0	100
	1-13	100.0	100.0	100.0	95.0	68.0	37.0	24.0	17.0	11.0	8.0	7.0	100
	1-14	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-15	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-16	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-17	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-18	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-19	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-20	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-21	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-22	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-23	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-24	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-25	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-26	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-27	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-28	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-29	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-30	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
	1-31	100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100
TOTALS		100.0	99.0	93.0	67.0	37.0	24.0	17.0	11.0	8.0	7.0	7.0	100

NO. 100-100000-1000
 100-100000-1000

RELATIVE HUMIDITY

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
	1-1	100.0	100.0	99.8	98.8	97.8	96.8	95.8	94.8	93.8	92.8	91.8	5
	-2	100.0	100.0	99.8	98.8	97.8	96.8	95.8	94.8	93.8	92.8	91.8	10
	-3	100.0	100.0	99.8	98.8	97.8	96.8	95.8	94.8	93.8	92.8	91.8	15
	-4	100.0	99.9	99.7	98.7	97.7	96.7	95.7	94.7	93.7	92.7	91.7	20
	1-10	100.0	99.8	99.6	98.6	97.6	96.6	95.6	94.6	93.6	92.6	91.6	25
	1-11	100.0	99.8	99.6	98.6	97.6	96.6	95.6	94.6	93.6	92.6	91.6	30
	-12	100.0	99.8	99.6	98.6	97.6	96.6	95.6	94.6	93.6	92.6	91.6	35
	1-27	100.0	99.8	99.6	98.6	97.6	96.6	95.6	94.6	93.6	92.6	91.6	40
TOTALS		100.0	99.9	99.8	98.8	97.8	96.8	95.8	94.8	93.8	92.8	91.8	55

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
FEB	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MAR	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
APR	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
MAY	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JUN	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
JUL	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
AUG	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
SEP	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
OCT	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
NOV	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
DEC	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTALS		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

U S AIR FORCE
 ENVIRONMENTAL TECHNICAL
 APPLICATIONS CENTER

PART F

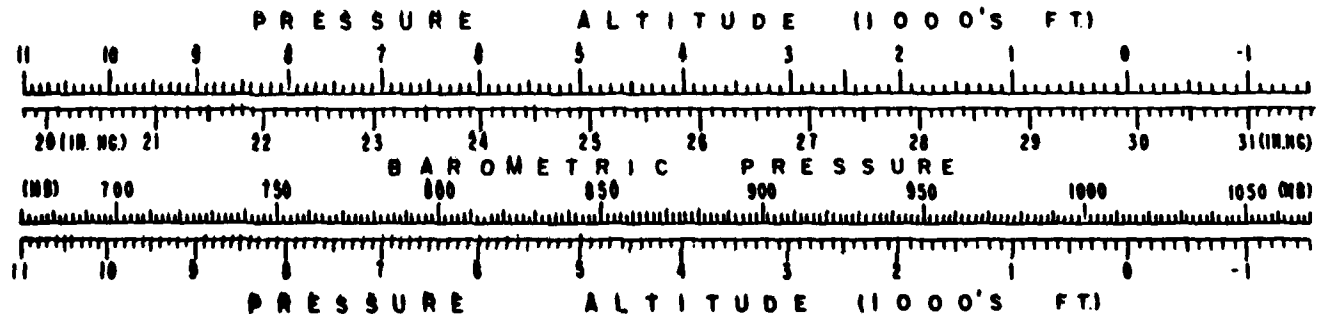
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times OCT. 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.



3
 FEDERAL BUREAU OF SURVEY
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS												ANNUAL	
HRS. OBS.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
		73-81													
		MEAN	29.73528	29.58328	29.55828	29.55528	29.51928	29.54728	29.59628	29.67428	29.62728	29.65428	29.68828	29.693	29.671
		S.D.	.227	.234	.227	.191	.154	.139	.086	.096	.149	.189	.206	.232	.174
		TOTAL OBS.	21	22	224	226	252	278	250	253	241	249	241	248	2651
		MEAN	29.73328	29.67128	29.55128	29.55528	29.57428	29.53828	29.59128	29.59728	29.62628	29.65228	29.68128	29.674	29.614
		S.D.	.227	.234	.231	.193	.151	.141	.086	.099	.149	.192	.205	.247	.199
		TOTAL OBS.	21	198	217	235	247	236	248	246	24	246	239	247	2621
		MEAN	29.72428	29.67428	29.55128	29.56428	29.52628	29.56128	29.60928	29.61528	29.63428	29.66428	29.67828	29.67	29.672
		S.D.	.227	.237	.227	.195	.16	.145	.086	.099	.152	.193	.215	.246	.199
		TOTAL OBS.	26	238	262	263	27	257	269	271	255	264	253	267	2124
		MEAN	29.75228	29.70628	29.57228	29.59028	29.58428	29.57928	29.62728	29.63528	29.66328	29.69328	29.70828	29.74	29.644
		S.D.	.243	.234	.228	.195	.170	.147	.086	.101	.151	.196	.217	.247	.207
		TOTAL OBS.	270	252	279	268	277	264	278	279	269	277	268	273	2661
		MEAN	29.75128	29.70828	29.56528	29.59128	29.53628	29.56528	29.61228	29.61928	29.64928	29.67628	29.69628	29.702	29.674
		S.D.	.243	.232	.241	.193	.167	.144	.087	.101	.151	.195	.215	.243	.207
		TOTAL OBS.	273	252	278	270	277	265	278	279	269	277	268	273	2661
		MEAN	29.69128	29.64928	29.59828	29.53528	29.49928	29.52528	29.56928	29.57128	29.59728	29.62428	29.64628	29.653	29.589
		S.D.	.240	.227	.236	.193	.163	.141	.085	.099	.151	.195	.211	.231	.196
		TOTAL OBS.	270	251	279	270	277	265	278	279	269	277	268	274	2663
		MEAN	29.70528	29.64828	29.50828	29.52228	29.47628	29.49928	29.53928	29.54428	29.58628	29.62128	29.65528	29.649	29.587
		S.D.	.233	.220	.226	.197	.153	.136	.083	.096	.152	.183	.206	.223	.196
		TOTAL OBS.	263	239	262	265	271	257	271	269	257	270	264	262	2157
		MEAN	29.73228	29.68028	29.54328	29.56128	29.57628	29.52728	29.56928	29.58328	29.62128	29.64928	29.68128	29.694	29.611
		S.D.	.227	.226	.223	.179	.148	.133	.084	.096	.149	.185	.205	.221	.192
		TOTAL OBS.	223	213	238	251	260	248	259	261	247	259	251	252	2977
ALL HOURS		MEAN	29.72428	29.67828	29.54428	29.55928	29.51528	29.54328	29.58928	29.59628	29.62628	29.65428	29.67928	29.693	29.615
		S.D.	.227	.231	.232	.189	.163	.143	.089	.102	.152	.192	.211	.236	.199
		TOTAL OBS.	2117	1845	2039	2056	2131	2030	2131	2139	2047	2121	2052	2091	24771

3
 FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

727535 VANCE AFB TX

73-81

STATION	STATION NAME	YEARS												
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0		MEAN 1021.1	1018.4	1014.2	1013.9	11.9	12.3	1013.8	1014.2	1015.4	1016.9	10.9	1015.9	1015.9
		S D 0.912	0.797	0.496	0.601	0.674	0.531	0.319	0.532	0.521	0.706	0.591	0.581	0.476
		TOTAL OBS 217	222	224	236	252	238	250	253	241	249	241	248	2851
		MEAN 1 21.3	19.9	14.0	13.5	11.3	12.1	13.6	14.0	15.3	16.4	15.7	19.0	1015.6
		S D 0.932	0.777	0.621	0.720	0.580	0.592	0.375	0.614	0.527	0.748	0.685	0.907	0.477
		TOTAL OBS 217	198	217	235	247	236	248	248	240	248	240	247	2821
		MEAN 1 21.2	19.1	14.1	14.0	12.2	13.0	14.4	14.6	15.7	17.4	15.6	18.9	1016.0
		S D 0.825	0.876	0.430	0.739	0.914	0.291	0.314	0.661	0.637	0.757	0.817	0.910	0.509
		TOTAL OBS 242	238	262	263	272	257	269	271	255	265	253	262	3125
		MEAN 1 022.3	020.3	014.9	014.9	013.0	013.6	015.0	015.4	016.8	018.4	019.7	020.1	1017.0
		S D 0.772	0.768	0.805	0.739	0.208	0.357	0.318	0.712	0.595	0.712	0.827	0.769	0.669
		TOTAL OBS 276	252	279	268	277	264	278	279	269	277	268	273	3261
1		MEAN 1 022.1	020.2	014.5	014.5	012.6	013.1	014.5	014.8	016.2	017.8	019.1	019.9	1016.6
		S D 0.720	0.698	0.927	0.746	0.633	0.260	0.344	0.730	0.573	0.792	0.820	0.991	0.687
		TOTAL OBS 272	252	279	270	277	265	278	279	269	277	268	273	3262
		MEAN 1 19.9	18.1	12.4	12.9	11.2	11.6	12.9	13.1	14.4	15.9	17.3	19.0	1014.4
		S D 0.811	0.532	0.777	0.946	0.610	0.124	0.304	0.653	0.501	0.656	0.807	0.556	0.463
		TOTAL OBS 278	252	279	270	277	264	278	279	269	277	268	274	3263
		MEAN 1 20.5	18.2	12.9	12.5	10.4	10.7	11.9	12.2	14.1	15.9	17.8	19.8	1014.5
		S D 0.934	0.330	0.415	0.637	0.617	0.044	0.068	0.640	0.601	0.763	0.653	0.262	0.506
		TOTAL OBS 283	239	262	265	271	257	271	269	257	270	264	262	3150
		MEAN 1 021.5	019.4	013.8	013.8	011.5	011.7	013.0	013.5	015.3	016.8	018.8	019.7	1015.6
		S D 0.662	0.473	0.299	0.587	0.472	0.897	0.072	0.542	0.499	0.813	0.622	0.184	0.357
		TOTAL OBS 232	213	238	251	260	248	259	261	247	259	251	252	2971
ALL HOURS		MEAN 1 021.3	19.2	13.8	13.5	11.6	12.3	13.6	14.0	15.4	17.0	15.6	19.2	1015.9
		S D 0.971	0.675	0.637	0.920	0.882	0.230	0.256	0.759	0.618	0.760	0.735	0.729	0.553
		TOTAL OBS 261	184	234	265	231	202	213	213	207	212	203	209	2472

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