

AD-A128 108

WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82

1/6

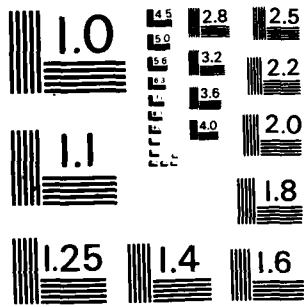
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USAFETAC/DS-82/057 SBI-AD-E850 357

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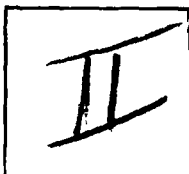
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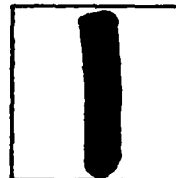


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INVENTORY

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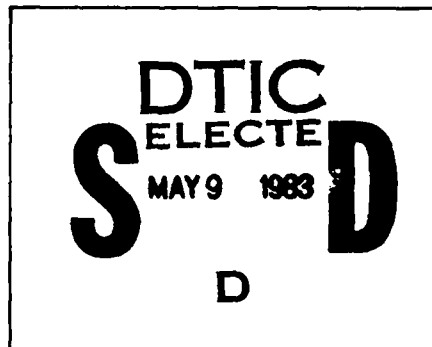
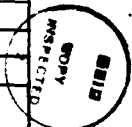
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USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

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WILL ROGERS IAP OK MCG #723530
N 35 24 W 097 36 FLD ELEV 1285 FT OKC

PARTS A-F
FOR FROM HOURLY OBS: JAN 73 - DEC 81
FOR FROM DAILY OBS: JAN 48 - DEC 81
TIME CONVERSION GMT TO LST: -6

OCT 26 1982

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ADE 850 357

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 82/057	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- WILL ROGERS IAP, OK	5. TYPE OF REPORT & PERIOD COVERED Final rept.	
	6. PERFORMING ORG REPORT NUMBER	
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11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225	12. REPORT DATE 27 OCT 82	
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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) *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) This report is a six-part statistical summary of surface weather observations for WILL ROGERS IAP, OK 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)		

DD FORM 1473
1 JAN 73

USOK 723530

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

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 723530	STATION NAME WILL ROGERS IAP/OKLAHOMA CITY, OK	LATITUDE 35° 24' N	LONGITUDE 97° 36' W	FIELD ELEV (FT) 1285	CALL SIGN OKC	WMO NUMBER 72353
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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)	HT. BARD.	
1.	Will Rogers Field, OK	WBAS	Apr 32	May 54	35 24	97 36	1280	1304	24
2.	Same	WBAS	May 54	Feb 67	Same	Same	Same	1295	24
3.	Will Rogers World IAP, OK	WSFO	Feb 67	Jun 80	Same	Same	1285	Same	24
Last Update 6/12/80									

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.	May 54	1. Hangar Roof 2. Hangar Roof	F420C F102		55 54.8	

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

FIELD COMMISSION BRANCH
 147
 100000 037011/441

WEATHER CONDITIONS

STATION: ELLSBURG, IAP US YEARS: 73-81 MONTH: 12

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
		.2	2.4	1.7	3.7		12.1	12.4				1.0	
	1-10	.2	2.3	1.7	5.5		12.5	14.1		.4	.2	14.7	
	1-15	.7	2.7	2.7	8.0		13.0	19.4	.1	1.1	.1	17.0	
	1-20		2.7	2.7	5.0		12.5	18.2	.7	1.2		14.0	
	1-24	.1	2.5	1.2	5.5		12.4	12.7	2.0	1.0		14.6	
	1-28		3.4	1.0	4.4		9.5	15.7	.7	1.1		11.7	
	1-31	.1	3.5	1.5	4.1		9.8	11.0	.4	.5		11.0	
	1-201	.1	3.6	2.4	5.5		9.5	11.1		.5		11.1	
TOTALS		.1	3.0	1.5	.		10.1	13.2	.4	.7		12.2	5509

1
0
1
1

121770
121770
121770

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

CONTAINS FREQUENCY OF OCCURRENCE OF WEATHER
CONDITION 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 NUMBER OBS
		0.7	0.0	0.0	0.0		0.0	0.0			0.0	0.0	
		0.4	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	0.0			0.0	0.0	
			0.0	0.0	0.0		0.0	0.0			0.0	0.0	
		0.1	0.0	0.0	0.0		0.0	0.0			0.0	0.0	
		0.1	0.0	0.0	0.0		0.0	0.0			0.0	0.0	
		0.0	0.0	0.0	0.0		0.0	0.0			0.0	0.0	
TOTALS		0.3	0.0	0.0	0.0		0.0	0.0			0.0	0.0	

UNIDENTIFIED STATION
 UNIDENTIFIED STATION

WEATHER CONDITIONS

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
	1-12	0.7	0.7		0.7		0.0	0.0			0.7	0.0	12
	1-11	1.5	1.7	0.1	1.1		10.0	10.1		0.7	0.2	10.0	117
	1-10	0.9	0.9	0.7	0.0		10.0	10.1	0.5	0.0	0.0	10.0	105
	1-9	0.2	0.7	0.7	1.0		0.0	10.1	1.0			10.0	97
	1-8	0.0	1.0	0.1	0.0		1.0	0.4	0.0		0.1	0.0	80
	1-7	1.2	0.0		0.7		0.0	1.0	1.0		0.7	0.0	70
	1-6	1.2	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	60
	1-5	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	50
	1-4	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	40
	1-3	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	30
	1-2	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	20
	1-1	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	10
TOTALS		0.7	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	11.0	100

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & GR 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
-	-	1.3	2.7				3.0	3.4	.4		.4	4.7	7.8
-	-	1.4	1.7	.1	.1		7.0	7.3				7.7	7.7
-	-	.4	3.7		.		3.7	12.0	.1			13.8	15.7
-	-	.5	1.7		.7		2.2	4.7	1.3			10.1	7.9
1-24	0.5	.6	.6				.6	4.0	.8			5.4	7.4
1-17	1.3	2.3	2.3		.1		5.3	3.5	.5		.5	6.3	7.9
-	2.5	3.4	3.4		.1	.1	3.5	3.5	.5		1.5	5.7	7.7
1-23	1.7	1.4	1.4				3.4	3.2	.3		.1	4.4	7.4
TOTALS		1.3	2.7	.1	.1	.	5.4	3.7	.7		.5	6.3	87.0

NO. 01 METEOROLOGICAL BRANCH
 740
 METEOROLOGICAL SERVICE

WEATHER CONDITIONS

STATION _____ ALL OF PERIOD OF _____ YEARS _____ MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1-12	6-12	0.0	10.4				1.0	9.0	0.0			0.0	10
	3-10	4.0	10.1				10.1	10.4	0.0			1.1	11
	8-10	0.0	1.0				0.0	10.0	2.0			0.0	10
	7-10	1.2	0.0				0.0	0.0	2.0		0.1	11.0	14
	1-15	1.0	1.0				0.0	0.0	1.0		0.2	0.0	12
	7-17	2.7	4.0				4.0	0.0	0.7		0.2	4.0	12
	1-17	0.0	0.0			0.0	0.0	0.0	1.0			0.0	10
	1-23	0.4	1.7				0.0	0.0	0.0			0.0	10
TOTALS		0.0	7.0			0.0	7.0	7.0	1.0		0.1	0.0	50

WILLIAMS TOWER AIRFIELD
 1740
 WEATHER SERVICE/AL

WEATHER CONDITIONS

STATION WILLIAMS TOWER AIR FIELD 73-51 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
1-2	1-1	4.4	3.3				5.5	1.1	.1			2.3	743
	1-12	4.2	3.3				5.5	3.0	.1			1.4	754
	1-20	3.4	3.5				5.5	3.7	1.0			1.4	744
	1-31	1.0	3.5				5.0	3.1	1.3			1.5	797
	1-14	1.0	3.2				3.2	.7	.5			1.0	741
	1-17	2.6	3.3				3.0	1.1	.3			1.4	745
	1-11	3.7	3.2				3.2	.5	.1		.4	3.1	741
	1-25	4.3	4.5				4.5	.4			.3	.8	797
TOTALS		1.1	3.4				4.4	2.7	.5		.1	3.1	6349

METEOROLOGICAL BRANCH
 141
 WASHINGTON SERVICE/AC

WEATHER CONDITIONS

STATION WILL OBER 14P OK STATION NAME 75-81 YEARS _____ MONTH 09

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
J	15-16	2.7	2.8				2.5	2.4	1.1			3.0	47
	15-17	2.1	4.2				4.3	3.7	1.2			4.1	51
	17-18	1.3	3.0				3.9	6.0	3.4			5.7	37
	17-18	.7	2.6				2.6	2.3	3.7			4.0	42
	17-14	.7	2.3				2.3	1.2	3.4			4.5	43
	17-17	1.2	2.3			.1	2.3	.6	2.5			3.0	27
	17-18	2.4	3.3				3.3	.8	2.7			3.7	44
	17-20	2.4	4.7				4.7	1.0	1.6			4.0	47
TOTALS		1.0	2.3			.1	3.3	2.3	2.4			4.5	51-6

METEOROLOGICAL BRANCH
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WEATHER CONDITIONS

STATION: WILL HOOKER I.P. O.P. YEARS: 73-61 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
	7-1	2.5	3.3				3.3	1.7	.4			2.1	27
	8-7	2.7	3.7				3.7	3.2	1.3			3.3	125
	9-1	1.1	2.7			.4	3.3	1.7	3.1			17.1	74
	10-1	.2	3.2				3.3	4.7	3.3			3.3	297
	11-15	.5	1.5				1.5	1.5	1.7			3.3	111
	12-1	1.1	2.5				2.5	1.2	1.7			.7	17
	1-1	3.3	3.7				3.3	.5	1.3			1.3	12
	1-23	3.4	2.7				2.7	.5	.7			1.3	117
TOTALS		3.2	2.8			.4	3.2	3.2	2.1			4.2	6568

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WEATHER CONDITIONS

STATION WILLIAMS 28P OK STATION NAME WILLIAMS 28P OK YEARS 73-74 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
	0-1	0.3	0.0				0.0	0.0	0.0			0.0	7.4
	1-11	1.3	0.0				0.0	0.0	0.0			0.0	7.4
	12-23	0.0	0.0				0.0	1.0	0.0			0.0	7.4
	24-31	0.0	0.0				0.0	0.0	0.0			0.0	7.4
	1-14	0.4	0.0				0.0	0.0	0.0			0.0	7.4
	15-21	1.0	0.0				0.0	0.0	0.0		0.0	0.0	7.4
	22-23	1.1	0.0				0.0	0.0	0.0			0.0	7.4
	24-25	0.0	0.0				0.0	0.0	0.0			0.0	7.4
TOTALS		1.2	0.0				0.0	0.0	0.0		0.0	0.0	7.4

NO. 101-100-100-100-100-100
 TAC
 WEATHER SERVICE/AC

WEATHER CONDITIONS

STATION: WELLS RIVER, INP 04 YEARS: 71-72 MONTH: 1-12

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
1-12	1-12	1.2	7.5				7.5	7.7				7.5	119
	1-12	.7	7.7				7.7	11.5				11.5	119
	1-12	.7	7.7				7.7	12.7	.7		.2	12.7	119
	1-12	.8	6.5				6.5	7.7	.1		.1	7.7	119
	1-12	.7	6.8				6.8	4.5	.1		.1	4.5	119
	1-12	.2	4.0				4.0	3.7	.1		.2	4.0	119
	1-12	.2	5.7				5.7	3.7			.1	3.7	119
	1-12	.4	6.4				6.4	4.4	.1			4.4	119
TOTALS		.6	6.4				6.4	6.7	.1		.1	6.4	1194

WILSON FIELD MAINTENANCE BRANCH
 AIR FORCE SERVICE CENTER

WEATHER CONDITIONS

WILSON FIELD, WYOMING STATION NAME 75-51 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	7-10	.3	7.3	.1	1.2		7.9	11.5	.9			11.0	7.8
	11-15	.4	7.4	.1	1.7		13.6	13.6				13.6	7.8
	15-18	.5	7.1		1.7		17.3	14.6	.9			1.0	7.8
	18-22	.5	7.1		1.7		9.1	15.5	.9	.1		17.7	7.8
1-14	.5	7.0			1.3	.3	5.4	11.7	.1	.1		12.0	7.8
15-17	.4	6.4			.4		6.5	5.2	1.3			5.0	7.8
18-21	.3	6.6			.1		6.9	7.1	.9			1.0	7.8
1-25	.1	6.3			.2		6.4	9.2	.5			4.7	7.8
TOTALS		.4	7.3	.1	1.1	.1	5.7	12.1	.7	.1		11.0	67.8

FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 WASHINGTON, D.C. 20535

WEATHER CONDITIONS

STATION: WILLOW RIVER TAP 04 YEARS: 1961 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
1-10	0-7		4.7	1.0	1.0		6.7	9.0				0.0	19
	-	.1	4.7	.7	2.1		7.5	10.5				0.0	19
	7-14		4.7	.5	1.0		6.2	12.0	.1	.1		0.0	19
	14-21		5.0	.7	2.0		7.7	13.0	1.0	.1		1.0	19
	21-28		4.7	.7	2.1		7.5	10.5	.5	.1		1.1	19
	28-31		5.0	.0	1.1		6.1	9.3	.1	.1	.1	0.0	19
	1-31		5.0	.2	1.0		6.2	7.7	.1	.1		0.0	19
	1-31		.7	.5	2.0		3.2	7.7				0.0	19
TOTALS		.1	4.1	.7	1.5		6.4	10.3	.2	.1	.1	1.0	19

METEOROLOGICAL BRANCH
 WEATHER SERVICE/140

WEATHER CONDITIONS

STATION WILL ROSEFIELD STATION NAME 10-11 YEARS 1961 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	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	400	.1	3.0	1.0	0.		1.0	13.1	.4	.1	.1	14.7	577
FEB		.1	5.1	1.1	4.		9.5	17.0	.1	.4	1.5	18.6	571
MAR		.9	1.8	.1	.1		2.7	10.1	.1	.1	.1	11.7	574
APR		1.5	.1	.1	.1	.1	6.4	5.9	.1		.1	6.7	571
MAY		7.5	7.1			.1	7.5	7.3	1.4		.1	9.3	575
JUN		.1	1.4				4.4	2.7	.1		.1	5.3	534
JUL		1.5	1.7			.1	3.3	2.3	2.4			4.4	574
AUG		1.1	.1			.1	3.3	3.7	2.1			4.2	574
SEP		1.2	.1				3.7	1.2	2.1		.1	5.1	535
OCT		.1	1.4				3.4	3.9	.1		.1	5.5	564
NOV		.4	1.1	.1	1.1	.1	3.0	12.1	.7	.1		17.0	574
DEC		.1	1.1	.7	1.1		3.4	13.3	.1	.1	.1	14.7	577
TOTALS		1.0	1.4	.1	1.1	.1	5.7	8.0	1.5	.1	.1	9.4	7744

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.

STATION NUMBER: 41-51
 STATION NAME: LIMONPHEIT, PHIN HANG

WEATHER CONDITIONS
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 LIMONPHEIT, PHIN HANG

STATION: 41-51 STATION NAME: LIMONPHEIT, PHIN HANG YEARS: MONTH:

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
Jan	144.1	0.7	0.1	12.0	0.0	0.3	34.7	75.6	0.0	0.4	0.0	0.0	144
Feb	144.0	0.7	0.4	0.5	17.0	1.0	70.9	70.0	0.4	2.0	0.5	0.0	144
Mar	144.0	1.0	0.0	0.0	1.0	1.0	75.0	70.0	4.0	0.0	0.0	0.0	144
Apr	144.0	0.0	0.0	0.0	0.0	0.0	4.0	20.0	0.0	0.0	0.0	0.0	144
May	144.0	0.0	0.0	0.0	0.0	0.0	41.0	30.0	4.0	0.0	0.0	0.0	144
Jun	144.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	144
Jul	144.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	144
Aug	144.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	144
Sep	144.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	144
Oct	144.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	144
Nov	144.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	144
Dec	144.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	144
TOTALS		0.7	0.4	2.0	0.0	1.0	30.2	20.0	4.0	0.7	0.1	0.0	1440

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

FEDERAL METEOROLOGICAL SERVICE
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 (FROM DAILY OBSERVATIONS)

WILLIAMS, IAP, OK

1951-1952

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120						
JAN		7.0	2.5	5.8	7.0	3.1	2.1	1.3	0.5					11.6	134	1.8	5.6	0.0	
FEB		1.0	0.5	0.5	0.5	0.2	5.7	2.0	0.2	0.1				2.4	15	1.0	7.0	0.0	
MAR		1.0	1.5	4.5	0.1	3.2	4.5	3.7	1.1					2.1	104	2.15	7.1	0.0	
APR		1.0	0.2	4.5	1.2	5.2	3.9	3.0	1.1	0.0				2.0	112	2.78	7.0	0.0	
MAY		1.0	0.2	1.2	1.4	1.7	0.5	0.4	0.1	4.1	1.1	0.0		1.0	13	0.54	1.1	0.0	
JUN		1.0	1.4	0.4	0.6	4.7	4.1	5.3	3.2	0.7				22.0	120	4.0	7.4	0.0	
JUL		0.2	1.4	3.9	0.3	4.1	4.4	3.3	2.4	0.3	0.1			10.9	104	3.17	5.44	0.0	
AUG		0.4	1.4	4.3	1.1	3.3	3.3	3.1	2.2	0.1				11.3	104	2.46	5.77	0.0	
SEP		11.2	0.9	0.3	1.1	4.1	3.4	4.1	2.3	0.1	0.1			22.0	120	3.0	9.0	0.0	
OCT		11.1	1.7	3.9	1.7	3.3	2.3	3.1	2.4	0.3				13.5	153	2.56	9.34	0.0	
NOV		0.8	0.1	4.1	2.9	3.1	1.3	2.3	1.2					10.7	120	1.45	5.46	0.0	
DEC		10.1	2.1	3.6	0.3	3.5	2.1	1.4	0.4					10.0	105	1.11	3.20	0.0	
ANNUAL		10.4	0.3	4.4	1.0	4.4	3.3	3.3	1.9	0.3	0.1			72.0	12416	3.22			

STATION NUMBER: 17440
 STATION NAME: ...

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

STATION: ... STATION NAME: ... YEARS: ...

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1951	.77	1.26	1.44	1.77	2.27	.73	.81	1.45	.81	.89	.69	.7	.7
1952	.77	.73	.7	1.75	1.75	1.75	.43	1.15	.91	1.52	1.70	.6	.7
1953	.77	.77	.77	1.50	1.51	1.51	1.51	1.32	.17	.44	.48	.1	.7
1954	.77	.77	.77	1.76	1.77	1.77	.75	.75	.75	.75	.75	.75	.7
1955	.77	.77	.77	1.76	1.77	1.77	.87	.87	.87	.87	.87	.87	.7
1956	.77	.77	1.23	1.33	1.33	.7	1.33	.7	.7	1.77	.7	.7	.7
1957	.77	.77	.77	.77	1.13	.77	.77	.77	.77	.77	.77	.77	.7
1958	.77	.77	1.23	.77	1.33	1.33	1.33	.77	.77	1.77	.77	.77	.7
1959	.77	.77	.77	.77	1.47	.50	.77	.77	.77	.77	.77	.77	.7
1960	.77	.77	.77	1.70	1.70	2.37	.51	1.47	1.61	1.70	.94	.7	.7
1961	.77	.77	.77	.77	1.67	2.23	.94	1.70	1.33	1.70	.77	.77	.7
1962	.77	.77	.77	1.13	3.13	1.70	1.70	1.44	1.77	2.23	.77	.77	.7
1963	.77	1.13	.77	1.97	1.34	1.34	1.34	1.34	1.34	2.34	.77	.77	.7
1964	.77	.77	.77	.77	.77	1.34	1.43	.77	.77	.77	.77	.77	.7
1965	.77	.77	.77	1.70	1.55	1.55	1.55	1.77	.77	.77	.77	.77	.7
1966	.77	.77	1.82	1.33	.50	1.65	2.11	.77	.77	1.77	1.77	.77	.7
1967	.77	1.32	.55	.77	2.41	.43	.95	1.64	.77	.77	1.31	.77	.7
1968	.77	.77	.77	1.70	.54	.77	.77	1.23	1.33	.77	.77	1.77	.7
1969	.77	1.32	.77	1.34	.50	1.77	1.4	1.77	.77	.77	.77	.77	.7
1970	.77	.77	.77	.77	1.55	1.77	.77	1.77	.77	1.41	.77	.77	.7
1971	.77	.77	.77	2.17	1.44	1.1	.43	1.14	.22	1.1	1.17	.77	.7
1972	.77	.77	1.70	.77	1.75	2.33	.57	.57	.77	.77	.77	.77	.7
1973	.77	.77	.77	1.13	.67	.77	.77	.77	.77	1.77	.77	.77	.7
1974	.77	1.33	.77	.77	.77	1.4	2.33	1.43	.77	.77	.77	.77	.7
1975	.77	.77	.77	.77	1.70	.5	1.61	.77	.77	3.1	.77	.77	.7
1976	.77	.77	1.82	.77	1.13	1.33	1.13	.77	1.77	1.77	1.77	.77	.7
1977	.77	.77	1.47	2.7	1.77	2.65	.33	.77	2.7	2.7	1.51	.77	.7
1978	.77	.77	.77	1.3	2.54	1.77	2.7	.77	.77	.77	.77	.77	.7
1979	.77	.77	.77	.77	1.77	.33	.77	.77	.77	1.21	.77	.77	.7
1980	.77	1.12	.4	1.75	1.3	1.33	1.33	1.1	.7	1.3	1.3	.77	.7
MEAN													
S D													
TOTAL OBS													

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME STATION NAME

43701

YEARS

IN AMOUNTS IN INCH

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
7	.07	1.021	.047	.00	1.087	1.087	1.087	.00	.00	.00	.00	.00	.00
8	.04	.021	1.032	.00	1.074	1.087	1.021	1.087	.00	.00	1.074	.00	.00
9	.00	.04	.07	1.011	2.070	1.04	.00	.074	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	2.012	1.087	1.087	.00	1.087	1.087	.00	.00
11													
12													
13													
14													
15													
16													
17													
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26													
27													
28													
29													
30													
31													
MEAN	.02	.044	.00	.027	.00	1.087	1.087	1.087	.00	.00	.00	.00	.00
S.D.	.00	.074	.00	.074	1.087	.00	1.087	1.087	.00	.00	.00	.00	.00
TOTAL OBS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

USAF ETAC FORM 0885 (OLA) JUL 64

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION WILLIAMSBURG STATION NAME WAP

1954

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	0.04	0.71	1.12	1.84	5.74	5.74	1.24	1.24	2.34	2.44	1.44	1.24	1.24
2	1.04	1.33	0.77	0.75	7.03	2.00	7.04	0.00	2.04	0.07	0.00	0.00	0.00
3	0.04	2.03	0.00	0.04	7.65	5.17	3.12	1.24	3.14	1.04	1.24	0.00	1.24
4	0.04	1.45	0.00	0.13	7.45	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00
5	0.04	1.00	7.29	1.02	2.02	1.34	3.12	1.05	0.00	5.04	0.07	1.24	1.24
6	0.04	0.69	0.67	0.04	0.21	0.00	0.74	1.04	0.00	1.07	0.00	1.24	1.24
7	0.04	1.33	1.04	0.72	7.42	1.04	0.00	1.12	4.12	0.00	0.00	0.00	1.24
8	0.04	1.61	0.00	0.00	7.07	2.04	0.19	0.00	0.00	7.00	0.00	0.00	1.24
9	0.04	0.76	0.15	1.02	0.67	0.04	0.13	1.04	1.04	2.04	0.00	0.00	1.24
10	0.04	0.03	0.00	0.02	7.01	7.17	0.00	1.51	1.07	1.00	0.00	0.00	1.24
11	0.04	0.00	0.04	2.01	7.54	2.02	5.44	0.04	7.04	0.00	0.00	0.00	1.24
12	0.04	1.12	0.00	0.01	0.74	5.00	7.64	0.00	1.00	4.00	0.00	0.00	1.24
13	0.04	1.04	2.33	0.74	1.92	1.04	4.04	1.04	1.04	2.04	1.04	1.04	1.24
14	1.44	1.02	0.00	0.10	7.64	2.04	1.71	1.00	0.00	2.00	1.34	0.00	1.24
15	0.04	0.12	7.21	2.77	1.51	2.34	5.15	1.04	1.04	2.04	2.40	0.00	1.24
16	0.04	0.17	1.70	2.00	1.21	0.77	2.01	0.00	0.00	0.00	1.40	0.00	1.24
17	0.04	0.04	0.06	1.04	0.14	0.12	1.57	1.07	1.04	1.04	0.00	0.00	1.24
18	0.04	2.34	1.00	3.00	0.00	2.00	2.30	0.77	0.00	0.00	0.00	0.00	1.24
19	0.04	0.04	2.42	5.71	0.24	2.24	1.21	1.04	3.15	2.04	0.00	0.00	1.24
20	0.04	1.02	2.04	1.03	7.40	2.34	1.41	1.70	2.04	0.00	0.00	1.00	1.24
21	0.04	1.03	7.01	1.00	7.99	4.04	1.42	2.30	1.04	1.04	1.04	1.04	1.24
22	0.04	0.04	0.00	5.33	0.53	2.44	1.00	0.00	0.04	1.04	1.04	0.00	1.24
23	0.04	1.93	0.00	0.04	2.62	3.15	4.12	2.11	4.04	2.04	0.00	2.04	1.24
24	0.04	0.45	1.14	7.10	4.03	1.70	7.22	1.07	2.04	7.07	2.00	0.00	1.24
25	0.04	0.31	0.70	2.34	3.61	0.31	3.30	1.30	5.04	1.04	2.51	0.00	1.24
26	0.11	2.13	0.12	4.00	0.11	3.30	0.00	0.00	5.24	5.07	7.34	0.00	1.24
27	1.04	1.04	0.12	1.04	5.70	4.64	7.74	0.00	1.24	0.00	0.77	1.04	1.24
28	1.04	0.00	0.00	2.04	0.30	0.00	1.34	0.00	1.53	1.70	0.00	0.00	1.24
29	0.04	1.44	1.31	2.00	7.07	2.04	4.11	0.00	1.24	2.41	1.54	0.00	1.24
MEAN													
S D													
TOTAL OBS													

NOTE: BASED ON LESS THAN FULL MONTHS

1

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NOAA

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

STATION WALLA WALLA STATION NAME WALLA WALLA

1971

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
7	1.50	3.23	1.77	1.75	10.14	4.54	3.75	0.0	0.0	1.01	1.40	0.0	0.0
6	1.02	0.93	1.15	2.75	7.02	2.04	5.61	0.7	0.71	1.0	1.93	2.01	0.0
5	0.0	1.29	1.0	2.16	0.0	2.02	0.42	0.0	1.01	0.0	0.91	1.0	0.0
4	0.0	1.15	2.47	2.07	2.73	2.04	5.40	0.0	1.40	2.7	2.11	0.0	0.0
3	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
2	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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.7	1.533	2.145	2.754	5.04	4.235	3.174	2.4	1.5	2.055	1.937	1.0	2.017
S D	1.007	0.798	1.535	1.072	2.587	2.050	2.398	1.003	2.0	0.0	1.000	0.0	0.0
TOTAL OBS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0

2

FEDERAL BUREAU OF SURVEY
 NATIONAL WEATHER SERVICE

DAILY AMOUNTS
 PERCENTAGE FREQUENCY OF
 (FROM DAILY OBSERVATIONS)

STATION: HILL OVERS IAP CA STATION NAME: YEARS: 40-61

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	0.1	0.4	0.5	2.3	0.9	0.5	0.7	0.1	0.1					0.7	104	7.8	10.0	0.0
FEB	0.1	0.7	0.1	0.8	0.1	0.7		0.1						0.4	96	1.9	12.0	TRACE
MAR	0.1	7.1	1.1	1.1	0.1	0.4		0.1	0.1					0.3	1054	1.5	13.0	0.0
APR	0.1	0.1		0.4										0.1	1021	0.0	0.0	0.0
MAY	0.1													0.1	1005	0.0	0.0	0.0
JUN	0.1													0.1	1020	0.0	0.0	0.0
JUL	0.1													0.1	1004	0.0	0.0	0.0
AUG	0.1													0.1	1004	0.0	0.0	0.0
SEP	0.1													0.1	1020	0.0	0.0	0.0
OCT	0.1	0.1												0.1	1004	TRACE	TRACE	0.0
NOV	0.1	0.4	0.4	0.4	0.2		0.1	0.1						0.2	1020	0.7	7.5	0.0
DEC	0.1	7.2	0.4	2.1	0.7	0.1	0.1	0.1						0.4	1054	1.5	8.2	0.0
ANNUAL	0.4	3.0	0.7	0.8	0.1	0.2	0.1	0.1	0.7					0.4	12417	0.0		

STATION 100-1000-100-00
 STATION NAME

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION 100-1000-100-00 STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	Trace	1.2	0.4	0.1									
2	Trace	Trace	Trace	Trace									
3	0.3	0.5	Trace	Trace									
4	0.1	0.3	Trace								Trace	Trace	
5	0.1	0.4	0.2							Trace			
6	Trace	0.1	0.1								Trace	Trace	
7	Trace	Trace		0.7						Trace	Trace		
8	0.1	0.4	0.4										
9	0.1	0.5	0.2									Trace	
10	0.1	2.9	2.7										
11	0.1	2.4	0.7	Trace									
12	0.1	0.3									Trace		
13	Trace	1.3	0.1										1.2
14	Trace	0.5	0.2								Trace	Trace	
15	0.1	0.5	0.1									Trace	
16	Trace	1.3									Trace		
17	Trace	0.1	0.1							Trace			
18	Trace	2.5	0.2										
19	Trace	0.1	0.4										0.4
20	Trace	0.1	0.7								Trace		
21	Trace	0.2	0.1	Trace									
22	0.1	0.1											
23	0.1	0.4											
24	Trace	0.3											
25	0.1	0.4											
26	0.1	0.4											
27	0.1	0.4											
28	0.1	0.4											
29	0.1	0.4											
30	0.1	0.4											
31	0.1	0.4											
MEAN													
SD													
TOTAL OBS.													

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

WST-04

YEARS

PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN		1.94	1.17	0.80	0.60	0.40	0.30	0.20	0.10	0.00	0.00	0.00	0.00
S.D.		0.58	0.41	0.27	0.20	0.15	0.10	0.07	0.05	0.03	0.02	0.01	0.01
TOTAL OBS		204	161	128	95	72	54	42	34	24	16	10	10

NOTE * BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0885 (OLA)
JUL 64

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: 444 STATION NAME: YEARS: 40-51

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
11	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
12	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
13	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
14	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
15	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
16	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
17	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
18	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
19	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
20	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
21	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
22	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
23	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
24	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
26	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
27	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
28	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
29	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
30	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
31	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
32	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
33	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
34	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
35	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
36	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
37	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
38	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
39	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
40	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
41	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
43	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
44	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
46	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
47	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
48	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
49	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
50	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
51	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
MEAN													
SD													
TOTAL OBS													

NOTE: BASED ON LEAST 24 FULL MONTHS

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

DAILY OBSERVATIONS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
MEAN													
S D													
TOTAL OBS													

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.

3

UNITED STATES AIR FORCE
 AIR FORCE STATION
 TITLE: WIND SPEED
 STATION NAME

EXTREME VALUES
 SUBJECT: WIND
 FROM DAILY OBSERVATIONS

1953
 YEARS

DAILY PEAK WINDS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR	70	85	100	115	130	145	160	175	190	205	220	235	180
1	75	90	105	120	135	150	165	180	195	210	225	240	185
2	80	95	110	125	140	155	170	185	200	215	230	245	190
3	85	100	115	130	145	160	175	190	205	220	235	250	195
4	90	105	120	135	150	165	180	195	210	225	240	255	200
5	95	110	125	140	155	170	185	200	215	230	245	260	205
6	100	115	130	145	160	175	190	205	220	235	250	265	210
7	105	120	135	150	165	180	195	210	225	240	255	270	215
8	110	125	140	155	170	185	200	215	230	245	260	275	220
9	115	130	145	160	175	190	205	220	235	250	265	280	225
10	120	135	150	165	180	195	210	225	240	255	270	285	230
11	125	140	155	170	185	200	215	230	245	260	275	290	235
12	130	145	160	175	190	205	220	235	250	265	280	295	240
MEAN	115	130	145	160	175	190	205	220	235	250	265	280	215
S D	15	15	15	15	15	15	15	15	15	15	15	15	15
TOTAL OBS	137	137	137	137	137	137	137	137	137	137	137	137	137

DRH

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

SURFACE WINDS

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

STATION: WILL ROGERS TAP OK YEARS: 77-81 MONTH: JAN
 CLASS: ALL WEATHER HOURS: 0000-2359
 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		.3	0.5	3.3	2.4	.6						.1	12.1
NNE		.4	1.0	1.3	.1							0.8	13.4
NE	.4	1.7	2.6	1.7								0.4	9.0
ENE	.4	1.7	1.0	.2								2.4	0.7
E	.4	1.2	.6	.1								1.3	0.1
ESE	.0	.9	.9	.1								2.1	0.3
SE		2.0	2.1	1.6								6.1	4.3
SSE		2.3	4.5	4.4	.2							11.5	9.6
S	.4	4.3	4.3	4.5	1.0							14.8	9.5
SSW	.2	1.7	1.3	.7								4.1	7.3
SW	.2	1.0	1.2	.4	.1							3.7	7.0
WSW	.4	.7	.2	.2	.1							1.7	0.7
W	.1	1.2	.4	.1								2.2	5.2
WNW	.1	1.0	.1	.1								1.3	5.7
NW	.1	.6	2.0	1.0	.6	.4						5.6	10.7
NNW	.2	1.7	2.3	2.9	1.1	.4	.2					0.9	11.3
VARS													
CALM												4.0	
	3.7	25.8	31.8	17.1	5.7	1.3	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 920

2

FEDERAL AVIATION ADMINISTRATION
METEOROLOGICAL SERVICE/AVIATION

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: JAN MONTH: 0300-2500 HOURS (LST)
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	2.2	5.6	8.1	2.6	1.2	.5					20.6	12.5
NNE	.1	.7	1.7	.9		.1						3.7	8.9
NE	.7	.4	3.2	1.1								5.4	8.3
NNE	.7	.4	1.2									2.3	5.5
E	.8	.4	.2									1.1	5.7
ESE	.1	2.1	.9									2.9	5.4
SE	.2	2.7	1.7	1.3								5.3	7.9
SSE	.7	2.2	3.3	5.1	.2							11.1	10.7
S	.9	4.5	5.5	2.3	1.0							15.4	8.5
SSW	.1	1.7	1.7	.4								3.2	7.7
SW	.2	1.2	1.3	.1								2.9	5.7
WSW	.2	.7	.5									1.5	5.4
W	.1	1.7	.7	.2								2.1	7.0
WNW	.1	1.2	.5	.4								2.3	7.2
NW	.1	.5	2.2	1.2	.5	.5						5.5	11.6
NNW	.9	.9	2.8	4.7	1.1	.6	.5					10.5	13.5
VARBL												4.7	
CALM													
	3.7	23.5	33.5	25.8	5.4	2.4	1.0					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 617

2

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK YEARS 77-81 JAN MONTH

STATION NAME WILL ROGERS IAP OK CLASS ALL WEATHER NO. OF OBS. 628

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	1.4	5.9	5.9	3.9	1.5	.2	.1				22.3	13.3
NNE	.1	.5	1.3	1.6								3.5	10.4
NF	.2	1.2	2.7	.8								5.3	3.0
ENE	.1	.4	.7	.2								1.4	7.8
E	.4	1.1	1.2	.1								2.7	5.5
ESE	.2	1.0	.5	.2								1.9	5.2
SE	.2	1.6	3.5	1.1								5.3	7.9
SSE	.1	3.1	4.7	3.6	.2							11.7	9.2
S	.6	3.4	4.1	3.1	1.1							12.3	9.6
SSW	.2	2.3	1.2	.4								4.1	5.4
SW	.1	1.4	.8	.4								2.5	5.9
WSW	.1	1.1	.5	.2								1.8	5.7
W	.4	.5	.6									1.4	5.8
WNW	.1	.5	.7		.4							1.7	5.7
NW	.2	.5	2.3	1.6	.6	.2	.1					5.9	11.0
NNW	.2	1.5	4.0	3.0	1.0	.2	.5					10.5	11.6
VARBL												4.3	
CALM													
	3.7	21.6	34.3	25.4	7.1	2.1	.8	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 628

2

FEDERAL BUREAU OF SURVEILLANCE
 NATIONAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: JAN
 CLASS: ALL WEATHER MONTH: 1970-1970
 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	5.7	8.8	4.7	1.8	.5					22.4	13.5
NNE		.6	.9	2.3	.2	.1						4.7	11.5
NE	.1	.5	2.3	1.6								4.6	9.4
ENE	.1	.4	1.8	.2								2.5	8.1
E		1.7	1.1									2.1	7.2
ESE	.1	.9	.9	.2	.1							2.2	7.5
SE	.1	.7	1.6	.5	.2							3.2	8.7
SSE		.7	3.4	4.8	.1							7.1	13.9
S	.2	2.1	5.1	5.9	2.6	.2						15.1	11.8
SSW	.2	1.1	1.6	1.5	.6	.2						5.3	10.6
SW	.1	1.2	1.2	1.5	.1							4.2	9.2
WSW	.1	1.3	1.0	.5								2.9	7.5
W	.2	1.1	.4	.2								2.7	6.6
WNW		.4	.4	.1								.9	7.9
NW		.9	1.2	2.0	.6	.5	.1					5.9	13.4
NNW	.4	1.2	2.8	4.6	1.6	.5	.2	.1				11.5	12.9
VARBL													
CALM												2.1	
	2.7	15.2	31.4	34.7	17.3	3.4	.9	.1				130.2	11.2

TOTAL NUMBER OF OBSERVATIONS 813

2

U.S. AIR FORCE CLIMATOLOGY BRANCH
 U.S. AIR FORCE TAC
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION WILL ROGERS TAP ON STATION NAME 73-81 YEARS JAN MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
 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		1.7	5.6	9.1	3.4	2.3	.4					22.5	13.8
NNE	.1	.7	1.2	1.2	.1							3.4	9.6
NE	.1	.4	2.2	1.2	.5							4.4	10.4
ENE	.1	.4	1.3	.6								2.4	8.1
E	.1	1.5	.2	.2								1.5	6.9
ESE		.3	.4	.1								1.7	7.3
SE	.2	.9	.9	1.5								3.4	9.4
SSE		1.7	2.4	3.6	.1							7.2	13.9
S	.4	.5	3.5	7.5	3.5	.1						15.6	13.2
SSW		.7	2.4	2.1	1.8	.2						7.3	12.7
SW	.2	.6	1.5	.5	1.2	.4						4.4	12.6
WSW	.1	1.7	1.3	.9	.2							3.5	9.3
W		.4	1.3	1.0	.1	.1						2.5	10.9
WNW	.1	.5	1.3	.2	.4							2.6	9.4
NW	.1	1.3	2.1	2.1	1.1	.5	.2					7.5	12.4
NNW	.4	1.7	2.6	2.8	2.2	.5	.7					15.1	13.8
VARBL													
CALM												.5	
	2.1	12.5	29.9	34.7	14.7	4.1	1.3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 622

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

12 53 STATION WILL ROGERS IAP OK STATION NO. 73-51 YEARS JAN 1950-1950 HOURS (LST) ALL WEATHER CLASS 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	4.1	11.7	7.4	1.3						21.4	13.2
NNE		.7	1.5	1.3	.6							3.5	11.5
NE		.7	2.2	1.3								4.9	7.8
ENE	.6	.5	1.9	.5								3.7	6.2
E	.4	.9	1.6	.5								3.3	7.5
ESE	.7	1.2	.5									1.9	5.8
SE		1.2	1.2	1.7								3.9	9.3
SSE	.1	.7	3.5	3.7	.5							8.6	10.5
S		1.2	3.8	6.8	1.9	.1						13.9	12.5
SSW		.4	2.2	1.9	1.1							5.6	12.0
SW	.1	.3	1.9	1.0	.6							4.1	11.0
WSW	.4	.5	1.1	.6	.1							2.7	6.9
W	.1	.8	1.6	.6								2.9	6.8
WNW	.1	.7	.9	1.2	.2		.1					3.3	11.0
NW		.8	1.1	1.3	1.1	.6	.5					5.5	15.8
NNW	.4	1.2	2.1	3.0	2.6	.7	.4					10.5	13.4
VARBL													
CALM												2.1	
	2.2	12.3	31.1	36.3	12.1	3.7	1.0					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 821

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-51 YEARS: JAN
 MONTH: 1970-1970
 CLASS: ALL WEATHER
 HOURS (L.S.T.): 1800-1800
 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	.4	3.3	7.1	9.9	2.9	.2	.2					24.0	11.5
NNE		.6	1.3	1.1	.4							3.4	10.1
NE		1.2	2.3	.8	.2							4.6	8.7
ENE	.1	1.1	1.3	.6								3.1	8.2
E		1.2	2.5	.2								4.0	7.5
ESE	.4	1.7	2.2	.1								4.3	6.7
SE		1.6	2.8	2.2								6.5	9.0
SSE	.4	1.3	3.7	3.1	.4							5.9	9.7
S	.5	3.6	4.8	4.3	.2							13.5	9.1
SSW	.2	2.4	2.2	.4								5.2	6.7
SW	.4	.6	.5									1.7	5.2
WSW	.5	.9	.4									1.7	4.7
W	.2	1.3	.4									1.9	4.9
WNW	.4	.6	1.1	.2								2.3	6.4
NW		.7	1.1	1.2	.6	.2						3.9	11.5
NNW	.2	1.7	1.8	1.6	1.3	1.0	.1					7.7	12.5
VARBL													
CALM												3.3	
	3.6	23.9	35.5	25.8	6.0	1.4	.4					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 928

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAL

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: WILL ROGERS IAP OK YEARS: 73-81 MONTH: JAN
 CLASS: ALL WEATHER HOURS: 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		1.0	7.0	7.2	3.2	.7	.4					13.5	12.2
NNE		1.1	1.0	1.8	.4							4.3	10.1
NE	.4	1.1	3.2	.6	.1							5.4	8.2
ENE		.5	2.1	.2								2.5	7.4
E	.2	.7	1.0	.1								2.1	6.5
ESE		1.3	1.2	.9								3.9	7.5
SE	.1	2.1	2.3	2.0								6.5	8.6
SSE	1.0	1.2	4.3	3.5	.5							11.1	9.6
S	.5	4.3	4.5	4.5	.9							14.7	9.2
SSW		2.3	1.6	.4	.1							4.4	7.2
SW	.1	1.2	.9	.1	.1							2.3	6.7
WSW	.3	.9	1.0	.1								2.4	6.5
W	.1	1.2	.7	.2								2.3	6.7
WNW	.2	1.2	.4	.4								2.2	6.9
NW	.4	1.3	1.6	1.8	.4	.2						5.7	10.3
NNW	.2	1.3	1.2	1.3	.9	.4						5.9	10.8
VARBL													
CALM												4.3	
	3.8	25.3	33.8	25.2	6.5	.9	.4					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 819

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS TAP OK YEARS: 77-81 MONTH: JAN
 CLASS: ALL WEATHER HOUR: ALL
 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	.0	1.0	5.9	1.9	7.2	1.2	.3	.1				11.0	12.4
NNE	.3	.0	1.2	1.4	.2							3.6	10.4
NE	.2	.0	2.6	1.1	.1							4.0	5.8
ENE	.2	.7	1.4	.3								2.0	7.7
E	.2	.7	1.1	.2								2.4	6.3
ESE	.2	1.2	.9	.2	.5							2.0	5.7
SE	.1	1.5	1.9	1.5	.2							5.1	8.6
SESE	.2	1.7	3.7	4.0	.3							9.9	10.7
S	.5	3.7	4.6	4.9	1.5	.1						14.5	10.5
SSW	.1	1.0	1.7	1.0	.5	.1						4.9	9.2
SW	.2	1.1	1.2	.5	.3	.2						3.3	6.7
WSW	.3	.4	.7	.3	.1							2.3	7.4
W	.2	.7	.7	.3	.0	.5						2.2	7.3
WNW	.2	.7	.7	.3	.1	.0						2.0	6.2
NW	.1	.0	1.8	1.5	.7	.4	.1					5.5	12.1
NNW	.2	1.4	2.4	3.0	1.6	.5	.3	.0				9.4	12.7
VARBL													
CALM												3.3	
	3.1	2.0	32.7	29.4	8.5	2.3	.7	.0				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 6573

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

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 77-51 YEARS: _____
 CLASS: ALL WEATHER MONTH: _____
 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	4	MEAN WIND SPEED
N	.1	2.1	0.4	4.9	3.2	1.2	.1					15.2	12.5
NNE		.4	2.1	2.1	.7							5.2	11.7
NE	.1	.5	1.5	1.1	.1							3.2	7.4
ENE	.7	.9	1.2	.4								4.2	7.5
E		1.1	.5	.1								2.7	5.5
ESE		.7	1.1	.4								2.1	7.5
SE	.3	2.9	3.3	.7								7.2	7.7
SSE	.7	5.2	4.8	4.7	.3							15.7	9.1
S	.3	3.2	5.1	5.6	.8							14.9	7.9
SSW	.1	1.5	.7	.7								3.9	5.2
SW	.1	1.1	.9	.4		.3	.1					3.5	7.2
WSW		.5	1.2	.3								2.1	5.2
W	.7	.1	.3	.4	.3							1.3	13.3
WNW		.4	1.1	.3								1.7	8.5
NW	.1	.7	1.5	1.1	.7	.4	.3					4.7	13.1
NNW		1.7	1.7	2.9	2.3	.3						8.7	13.4
VARBL													
CALM												3.3	
	22.2	23.4	33.7	26.7	8.8	2.3	.5					170.3	7.9

TOTAL NUMBER OF OBSERVATIONS 751

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

SURFACE WINDS

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

STATION: VILLIERS IAP ON YEAR: 77-81 MONTH: _____
 STATION NAME: _____ YEAR: _____ MONTH: _____
 CLASS: ALL WEATHER HOURS: 1500
 CLASS: _____ HOURS: _____
 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		1.4	4.9	5.1	3.4	2.7	.7					14.3	13.6
NNE	.1	.4	2.0	1.5	.1							4.2	13.7
NNE	.1	.7	1.2	.8	.3							2.7	13.1
NNE	.1	.7	.7	.1								1.7	8.4
E	.7	1.2	.7	.7								2.5	7.1
ESE	.1	.4	1.3	.1								2.5	6.7
ESE	.4	2.3	3.4	.7								5.7	7.2
SSE	.7	4.7	4.3	.4	.4							13.1	8.9
S	.4	3.5	7.5	6.6	.7	.7						19.7	10.0
SSW	.7	.7	.5	.5								1.5	8.5
SSW	.7	.7	1.3	.4		.1						2.8	8.9
WSW		1.2	.4	.1								1.5	8.5
W		.7	.4	.5	.8							2.3	12.0
WNW		.7	.4	.3								.9	9.0
NW	.1	.7	.9	1.8	.5	.7	.1					5.1	12.0
NNW		1.1	3.0	3.5	2.3	.1						11.0	12.5
YARRL													
CALM												4.5	
TOTAL	6.7	2.5	33.7	27.1	8.5	3.4	.3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 742

U.S. WEATHER BUREAU
 CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR MAIL SERVICE 7340

SURFACE WINDS

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

STATION NAME: WILLIAMS FORT IAP OF

77-81

YEARS

MONTH

ALL WEATHER CLASS

WIND SPEED

CONDITION

SPEED KNOTS 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	.1	1.0	4.2	7.5	7.3	1.1	.7					14.7	13.2
NNE	.1	.1	2.2	1.2	.4							4.1	13.3
NE		.7	1.5	.5	.1							1.7	14.1
NNE		.1	1.2	.1								1.5	7.8
E	.1	.4	.7	.4								1.5	7.8
ESE		1.7	.5	.7								2.4	7.3
SE		1.2	1.5	1.7								4.5	5.9
SSE	.1	4.9	4.9	3.6	.4							13.9	5.6
S	.4	4.0	6.5	5.2	.9	.1						15.7	5.4
SSW	.1	1.5	1.5	.9								4.1	7.8
SW	.7	1.2	1.6	.3	.3							3.5	5.7
WSW	.7	.7	.4	.1								1.5	5.7
W	.1	1.7	.3	.1	.3							2.1	7.4
WNW		.7	.3	.5	.1	.1						1.5	11.2
NW	.1	.7	1.1	1.5	.7	.3	.4					4.7	13.1
NNW		1.7	1.7	3.1	1.7	1.1	.1					11.5	13.4
VARBL												.7	
CALM												.7	
	1.5	22.0	3.5	32.7	8.2	2.6	.8					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS

758

U.S. WEATHER BUREAU, WASHINGTON, D.C. PREPARED BY THE CLIMATOLOGY BRANCH

U.S. NAVAL CLIMATOLOGY BRANCH
 P.O. BOX 1370
 WASHINGTON, D.C. 20340

SURFACE WINDS

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

STATION NAME: WILL TOWERS IAP UK YEARS: 73-74 MONTH: FE
 CLASS: ALL WEATHER NUMBER OF OBSERVATIONS: 748
 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		1.7	3.5	7.5	3.3	.7	.5					17.2	13.5
NNE		.	1.2	1.9	.5	.1						4.5	14.1
NE			1.7	1.5	.4							3.3	11.5
ENE		.1	1.3	.7								2.4	8.5
E			1.0	1.1								2.2	7.5
ESE		.1	.8	.5	.1							2.2	7.3
SE		.7	1.2	.9								2.5	8.7
SSE			4.3	4.7	1.5	.3						11.0	11.5
S		14.0	5.7	7.2	1.9	.8						26.7	12.4
SSW		.4	2.3	1.6	1.5	.1						10.7	12.3
SW		14.0	1.1	1.2	.1							28.5	8.5
WSW	.1		1.6	.7	.3							10.2	8.5
W	.4	.1	.9	.3	.4							2.7	9.1
WNW		.1	.7	.4	.4	.1						1.7	13.5
NW		.1	1.7	1.7	.9	.5	.4					5.5	14.7
NNW	.1	.7	2.0	2.9	3.2	2.1	.5					11.4	15.2
VARBL													
CALM												1.1	
TOTAL	14.4	1.4	30.6	30.1	14.8	5.1	1.5					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS: 748

CLIMATE BRANCH
 METEOROLOGICAL SERVICE/MAS

SURFACE WINDS

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

STATION: WILLIAMS RAPID CR STATION NAME: WILLIAMS RAPID CR YEARS: 77-81 PERIOD: 1977-1981
 CLASS: ALL WEATHER MONTH: ALL MONTHS
 CONDITION: ALL WEATHER

DIREC	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	2.3	1.6	3.4	.8	.7					11.5	14.7
NNE	.1	.1	1.5	2.2	.7							8.1	11.3
NE	.1	.4	.8	1.1		.1						2.7	10.4
ENE	.1	.4	.6	.7								1.6	7.7
E	.1	.4	1.7	.5								1.7	6.5
ESE		1.7	.4	.4								2.5	6.4
SE		.1	1.3	.8	.7							1.2	4.3
SSE			1.3	2.7	.9	.3						6.9	12.7
S	.1	1.1	4.3	7.1	5.1	.8						15.0	13.5
SSW		.1	1.7	2.7	3.1	.5	.1					4.9	14.4
SW		.1	2.1	1.6	.3							4.7	12.0
WSW	.1	.1	1.1	.5	.7							2.4	9.5
W	.1	.1	1.7	1.1	.4	.1						4.1	11.2
WNW		.1	.8	.6	.1	.1						2.5	10.7
NW		.1	1.7	2.2	1.2	1.1						5.7	14.2
NNW	.1	.1	2.1	2.9	4.1	1.7	.5	.3				10.1	15.4
VARBL												.3	
CALM												.3	
	1.7	1.1	25.7	34.4	22.2	5.7	1.2	.3				125.2	13.1

TOTAL NUMBER OF OBSERVATIONS 747

UNSAFE TO FLY FROM 10:00 PM TO 05:00 AM ARE OBSERVED

U.S. NAVAL OCEANOGRAPHIC OFFICE
 WASHINGTON, D.C.
 U.S. WEATHER SERVICE (FAO)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 FROM HOURLY OBSERVATIONS

STATION: WIND CORP 145

71-81

YEARS

MOON

ALL WEATHER

1971-1972

CONDITION

DIRECTION	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.3	.6	7.7	.6	.5					17.1	14.2
NNE	.1	.4	1.1	2.3	.4						4.4	13.6
NE	.1	.1	.5	1.5							2.9	11.4
ENE	.1	.1	1.1	.3	.1						1.7	9.7
E	.1	.4	1.2	1.2							1.9	9.5
ESE	.1	.1	1.2	.5							2.3	8.6
SE	.1	.1	1.3	.9		.1					3.1	9.1
SSE	.1	.7	3.5	4.4	.5						8.9	11.2
S	.1	.7	5.1	5.4	4.9	.8					15.0	13.4
SSW	.4	.1	2.1	2.9	2.0	.3					7.4	13.3
SW	.1	.3	1.5	1.5	.3	.3					3.9	11.4
WSW	.1	.7	1.5	.4	.4						2.5	13.7
W	.1	.4	1.2	.8		.1					2.5	13.3
WNW	.3	.5	1.3	1.9	.1						4.1	13.2
NW	.1	.3	.8	2.9	1.9	.5	.1				8.5	14.9
NNW	.1	.5	2.3	3.3	2.0	1.7	1.1				11.5	15.6
VARIABLE											.7	
CALM											.7	
TOTAL	.1	6.7	20.9	33.8	16.4	4.7	1.7				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS

752

UNAPPORTIONED FROM DATA FROM PREVIOUS EDITIONS OF THIS FORM ARE NOTED

2

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20541
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: ALL HOURS IAP ON STATION NAME: 77-81 YEARS: 1900-1900
 CLASS: ALL WEATHER HOURS LST: NORTH
 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	.4	2.0	7.1	1.4	2.2	1.4	.3					24.7	12.3
NNE		.5	1.1	1.6	.3							3.7	10.5
NE	.7	.7	1.5	.9								3.3	6.4
ENE		.4	1.5									1.4	7.5
E		1.1	1.6	.3								2.4	7.1
ESE	.2	1.3	1.5	.4								3.0	7.3
SE	.1	3.7	2.5	2.7		.1						7.3	6.3
SSE	.1	3.7	3.7	3.7	.1							11.4	9.0
S	.3	5.4	6.2	3.2	.5							15.5	6.6
SSW	.1	1.1	.7	.7								2.8	7.2
SW	.1	1.1	.7	.1								2.1	6.0
WSW		.7	.1	.1		.1						1.3	7.5
W	.1	.2	.4		.1	.1						1.0	6.7
WNW	.7	.3	.5	.3	.1							1.5	6.0
NW		1.1	1.2	1.1	1.3							4.0	11.9
NNW	.1	1.3	2.6	2.6	1.1	.4						8.0	11.9
VARBL												2.5	
CALM	.2	25.7	33.1	27.4	5.6	2.8	.3					170.3	9.6

TOTAL NUMBER OF OBSERVATIONS 756

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS TAP OK STATION NAME: WILL ROGERS TAP OK YEARS: 77-81 MONTH: FEB
 CLASS: ALL WEATHER HOURS: 2100-2300
 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		2.1	7.4	7.5	2.4	1.7	.1					1.4	12.7
NNE	.0	.7	1.1	1.6	.1							3.7	10.7
NE		1.2	2.9	1.6	.1							5.9	9.3
ENE	.0	.1	.9	.3								1.0	7.8
E	.5	1.7	1.3	.3								3.9	6.0
ESE	.0	1.1	1.5	.1								2.9	6.5
SE	.3	2.1	4.4	2.0	.1							9.2	8.5
SSE	.1	3.5	6.7	4.7	.5	.1						15.7	9.5
S	.4	4.4	4.1	3.1	.4							12.4	8.4
SSW		.7	1.1	.4	.1							2.3	9.1
SW		1.7	.3	.1								2.1	5.7
WSW		.3	.4			.1						.3	9.3
W		1.2	.5	.4	.3							2.4	8.6
WNW	.4	.7	.4		.1	.1						1.7	7.8
NW	.1	1.5	1.2	1.1	1.1							5.0	10.6
NNW		1.7	1.1	1.2	1.9	.4	.1					6.0	13.0
VARBL													
CALM												3.1	
	6.7	24.4	35.3	24.4	7.2	2.7	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 747

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WAFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-61 YEARS: MONTH: ALL WEATHER CLASS: HOURS: 24 CONDITION:

SPEED KNTL DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.0	4.9	7.4	3.1	1.3	.3					15.9	13.2
NNE	.1	.4	1.5	1.8	.4	.7						4.3	11.0
NE	.1	.6	1.5	1.1	.1	.7						3.4	9.8
ENE	.1	.4	1.1	.3	.7							1.9	7.7
E	.1	.8	1.2	.6	.7							2.5	7.4
ESE	.1	.8	1.0	.5	.7							2.5	7.6
SE	.1	1.7	2.4	1.2	.2	.2						5.5	8.3
SSE	.1	2.9	4.2	3.9	.6	.1						11.9	9.7
S	.3	3.0	5.5	5.9	1.9	.3						15.9	12.9
SSW	.1	.8	1.3	1.3	.8	.1	.5					4.0	11.5
SW	.1	1.0	1.2	.7	.2	.1	.2					3.3	9.3
WSW	.1	.6	.8	.3	.1	.2						1.9	8.7
W	.1	.7	.7	.4	.3	.1						2.4	9.9
WNW	.1	.4	.7	.5	.1	.1						2.1	10.1
NW	.1	.6	1.2	1.6	1.0	.4	.2					5.4	13.2
NNW	.1	1.2	2.1	3.1	2.3	1.1	.3	.0				10.1	14.4
VARBL													
CALM												2.3	
	1.9	18.0	31.4	30.6	11.2	3.6	.8	.7				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 6211

2

USAFEC CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK YEARS 73-81 MONTH MAR
 STATION NAME CLASS ALL WEATHER HOURS (L & T) 000-0000
 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		1.4	4.0	5.2	2.7	.5						14.4	12.5
NNE		.7	1.0	1.5	.6							3.8	10.9
NE		1.7	1.5	1.0	.1							4.3	8.6
ENE	.0	1.0	1.0	.2	.4							2.8	8.7
E	.1	1.3	1.0	1.0	.2							3.6	9.1
ESE		1.1	1.2	1.0	.4							3.0	9.3
SE	.2	2.1	3.4	4.4	1.0	.2						11.3	10.7
SSE	.1	2.6	5.5	6.0	1.8							15.9	10.8
S	.2	3.3	5.2	5.0	3.0	.2						17.1	11.3
SSW	.2	.3	1.0	.2	.2							2.6	8.3
SW	.4	.6	.6	.1								1.7	8.7
WSW		.5		.1								.0	8.4
W	.2	.7	.1	.5	.6							2.0	10.8
WNW	.4	.5	.4	.4	.5							2.1	10.1
NW		.4	1.3	1.1	1.1	.5	.4					4.7	10.6
NNW	.2	.6	1.0	2.4	1.2	1.1	.2					5.3	10.8
VARBL													
CALM												2.5	
	2.4	19.8	28.1	31.0	13.9	2.6	.6					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 822

2

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: WILL ROGERS IAP OK YEARS: 73-81 MONTH: MAR
 CLASS: ALL WEATHER HOURS: 0000-2300
 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	.2	2.1	3.7	4.7	3.4	1.7						15.3	12.6
NNE	.1	1.7	.7	1.6	.1							3.9	9.9
NE		1.1	1.0	1.6								3.7	6.9
ENE		1.0	1.1	.4	.1							2.6	6.3
E		.7	1.1	.5	.2							2.6	5.3
ESE		1.1	1.3	.5	.2							3.2	5.7
SE	.4	2.7	3.3	2.5	.4	.4						9.6	9.4
SSE		2.3	4.4	6.1	1.5							14.3	11.1
S	.2	3.3	5.8	7.8	2.2	.2						19.4	11.2
SSW		1.2	.6	1.6	.4							3.6	10.0
SW	.4	.6	.9	.5								2.3	7.3
WSW	.2	.5	.4	.4								1.5	7.6
W	.1	.5	1.0	.2	.1	.4						2.3	11.2
WNW	.1	.4	.4	.6	.4	.2						2.1	12.0
NW		1.5	1.3	1.0	1.3	.2	.5					5.9	13.2
NNW		.9	.2	1.8	1.6	.4	.1					5.7	14.7
VARBL													
CALM												2.5	
	1.8	21.7	27.5	32.0	11.6	2.9	.6					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 916

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MONTH: MAR
 STATION NAME: WILL ROGERS IAP OK CLASS: ALL WEATHER MONTH: MAR
 CLASS: ALL WEATHER HOURS (LST): 0600-2600
 CONDITION: _____

SPEED KTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.8	4.6	4.3	3.9	1.1	.1					15.6	13.5
NNE	.1	.4	.7	1.0								2.7	5.5
NE	.2	1.1	1.6	1.2								4.1	6.7
ENE		.5	1.2	.5								2.2	5.7
E	.2	.7	.7	1.2	.2							3.1	9.9
ESE	.1	.5	.7	.8	.2							2.5	10.2
SE	.1	1.7	4.1	2.4	.5	.1						8.9	9.5
SSE		2.1	4.3	4.1	1.7	.2						12.4	11.1
S	.1	1.7	6.5	7.8	1.2	.5						17.9	11.6
SSW	.1	1.0	.8	1.6	.6							4.1	11.7
SW	.2	.7	1.4	1.1	.2							3.7	9.3
WSW	.2	.2	.4	.2	.1							1.2	6.5
W	.2	.5	.5	.2	.1	.1						1.6	6.7
WNW		.8	1.1	.5	.1	.2						2.7	10.0
NW	.1	1.2	1.2	1.4	1.6	.7	.2	.1				5.6	14.3
NNW		1.3	.8	1.6	2.7	.8						7.2	14.6
VARBL												3.3	
CALM													
	1.9	15.6	31.6	32.0	13.1	3.9	.4	.1				100.7	11.1

TOTAL NUMBER OF OBSERVATIONS 829

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJL

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 77-31 YEARS: 1950-1959
 CLASS: ALL WEATHER MONTH: MAR
 HOURS: 1800
 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	2.6	5.5	3.7	.5						14.4	14.4
NNE	.1	.1	1.3	.4	.1							2.2	9.7
NE		.1	1.2	1.1								2.6	10.4
ENE		.1	.7	1.2	.1							2.9	10.1
E	.1	1.1	1.2	1.2	.1							3.7	9.3
ESE	.1	.1	.7	1.8	.1	.1						2.7	10.8
SE	.1	.1	1.5	1.3	.9	.4	.2					7.3	13.3
SSE		.1	.7	2.2	1.6	.4		.1				9.5	13.5
S	.1		3.9	2.4	6.1	1.2						20.2	14.6
SSW		.1	1.1	2.6	2.3	.4	.2					7.4	14.5
SW		.1	1.1	1.2	.7	.5						4.5	12.9
WSW		.1	.5	.7	.1	.4						2.2	13.2
W		.1	.7	.7	.1	.1	.1					1.6	14.4
WNW		.1	1.1	.6	.5	.4						2.7	13.2
NW		.1	.4	1.2	1.5	1.5						5.4	16.5
NNW		.1	1.7	2.1	2.4	1.3	.2	.2				9.3	15.4
VARBL													
CALM												1.5	
TOTAL	.7	2.5	2.9	33.7	20.2	7.3	.9	.4				100.0	13.6

TOTAL NUMBER OF OBSERVATIONS 520

2

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

SURFACE WINDS

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

STATION: WALL HOBBS IAP OK YEARS: 73-81 MAP NORTH

CLASS: ALL WEATHER 1200-1400 HOURS (LST)

CONDITION: _____

SPEED KNOTS DIR	1-2	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	1.3	7.5	4.7	1.7						15.2	14.4
NNE		.1	.5	.6								1.2	10.1
NE		.1	1.1	.6								1.5	9.9
ENE	.7	.4	1.3	.5	.1							2.4	9.2
E		.7	.6	.5		.1						1.5	9.3
ESE		.6	.7	1.3	.5	.1						3.4	12.4
SE	.1	.2	1.8	2.5	1.6	.5						5.3	13.7
SSE	.2	.3	1.4	3.6	1.7	1.1						6.7	14.3
S	.1	.7	2.7	5.1	5.7	1.7	.1					15.9	15.4
SSW		.1	1.4	2.5	2.4	1.3	.4					6.2	12.7
SW		.4	1.1	2.4	1.2	1.3	.1					6.5	15.6
WSW	.1	.4	.8	1.1	.5	.5	.2					3.5	14.4
W		.4	1.0	.6	.5	.8						5.3	14.3
WNW	.1	.4	.8	.4	.4	.2	.1					2.4	12.7
NW		.4	1.2	2.1	2.2	1.3	.6					7.7	16.9
NNW	.1	.7	1.1	2.7	1.9	1.2	.1					7.3	15.2
VARBL												.2	
CALM													
	1.0	7.4	18.9	36.9	22.7	11.2	1.7					100.0	14.6

TOTAL NUMBER OF OBSERVATIONS: 529

NATIONAL METEOROLOGICAL SERVICE
 METEOROLOGICAL BRANCH
 WEATHER SERVICE/MAD

SURFACE WINDS

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

STATION: WILL ROGERS TAP CA STATION NAME: 73-81 YEARS: 1973-81 MAD: 15.0-17.0
 CLASS: ALL WEATHER HOURS: 15.0-17.0
 CONDITION: _____

SPEED KNT DIR	1-3	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	3.0	5.1	3.9	.0						14.1	14.1
NNE	.1		.4	.9	.1							1.5	11.4
NE	.0		.7	.5								2.0	8.4
ENE	.0	.1	.4	.6								1.5	9.5
E	.1	.2	.7	1.3	.1							2.0	11.4
ESE	.0	.0	.6	1.8	.4							3.7	11.5
SE		1.0	2.0	3.3	1.8	.4	.1					5.5	13.1
SSE	.1	.2	2.7	4.6	1.6	.5	.4					10.2	13.8
S		.7	1.7	6.7	6.6	1.0						15.7	15.6
SSW		.0	1.0	2.0	2.1	1.2						6.5	15.7
SW	.1	.0	1.2	2.4	.4	1.3	.2	.1				4.5	15.1
WSW		.1	.6	1.1	.5	.9	.1					3.3	16.7
W		.4	.4	.7	.1	.4						2.0	13.5
WNW	.1	.4	.9	1.5	.7	.4	.1					4.0	14.1
NW		.5	1.0	1.5	1.7	1.5	.1					5.3	16.7
NNW		.5	1.2	4.0	2.3	1.5						9.5	15.7
VARBL												.7	
CALM													
#	1.3	7.1	18.4	39.1	22.3	9.8	1.1	.1				100.0	14.3

TOTAL NUMBER OF OBSERVATIONS: 820

U.S. NAVAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MAP MONTH: _____
 CLASS: ALL WEATHER HOURS: 1400-2000
 CONDITION: _____

WIND DIRECTION	1-2	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	3.3	3.5	2.8	.7						15.3	12.2
NNE		.1	1.3	.5	.1							2.3	7.1
NE			1.9	.4								3.1	6.3
ENE	.1	.1	.4	.6	.1							2.1	8.2
E	.1	.1	1.1	1.4								3.4	7.2
ESE	.1	1.4	2.4	1.4	.5							6.2	9.7
SE	.1	1.4	4.3	4.5	1.0	.2	.1					11.3	11.4
SSE	.1	1.4	4.2	5.9	1.7	.1	.1					13.5	11.6
S	.2	2.1	3.3	5.4	1.2	.1						12.1	11.3
SSW		.1	.7	1.4	.5							3.1	11.5
SW	.2	.1	1.1	.6	.4							3.1	7.1
WSW		.3	.6	.8	.4	.1						2.5	10.7
W	.1	.6	1.7	.7	.4	.1						3.5	15.5
WNW	.1	.6	.6	1.3	.4							3.3	10.6
NW		.7	1.2	1.2	.6	.4						4.1	12.6
NNW		.1	2.3	1.6	.7	1.3						6.6	13.5
VARBL													
CALM												.5	
TOTAL	1.5	15.2	33.2	34.4	10.4	3.1	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 528

NATIONAL CLIMATOLOGY BRANCH
 WPC/STAC
 AIR WEATHER SERVICE/RAO

SURFACE WINDS

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

STATION NAME: WILL ROSE'S IAP OR YEAR: 71-72 MONTH: 11-2-72
 STATION NUMBER: _____ 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	.0	1.3	4.1	5.7	3.3	.6						17.3	12.7
NNE		.0	1.5	.7	.1							2.3	3.7
NE	.1	1.7	1.6	.4	.2							3.0	6.7
NNE	.0	1.0	.6	.5	.2							3.3	5.9
E	.1	1.2	2.2	1.3	.2							5.1	7.7
ESE		1.7	3.1	1.2	.1							6.2	8.1
SE	.1	2.4	3.4	5.8	.8	.4						15.0	11.3
SSE	.1	2.3	4.4	5.7	2.3	.1						19.0	11.6
S	.2	2.7	2.7	4.2	1.5							11.3	10.6
SSW	.1	.0	.7	.4	.2	.1						2.2	4.7
SW		.0	.2	.1	.2							1.1	2.0
WSW	.2	.0	.1	.4	.2							1.0	0.4
W	.1	.0	.6	1.1	1.1	.1						3.5	12.9
WNW	.4	1.0	.6	.5	.4	.2						3.5	10.0
NW	.7	.7	1.0	.2	1.1	.1						3.4	11.2
NNW	.0	.5	1.5	1.6	1.5	.4						5.6	13.3
VARBL												3.1	
CALM												100.0	10.7
	2.4	16.9	24.5	31.2	13.7	2.1							

TOTAL NUMBER OF OBSERVATIONS: 524

STATION IDENTIFICATION BRANCH
 1942
 AIR FORCE SERVICE/440

SURFACE WINDS

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

WIND SPEEDS 14P UP 77-81 MONTH 1948
 ALL WEATHER CLASS 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	.1	1.7	3.7	6.9	3.4	.7						17.1	10.3
NNE	.1	.4	1.0	.9	.2							2.0	7.7
NF	.1	.	1.3	.9	.7							3.1	6.9
ENE	.1	.	.8	.6	.1							2.4	7.0
E	.1	.	1.1	1.1	.2							2.5	7.0
ESE	.1	.	1.4	1.2	.3							4.0	11.0
SE	.7	1.3	3.0	7.6	1.0	.3	.1					14.0	11.4
SSE	.1	1.0	3.6	5.3	1.7	.5	.1	.0				12.4	12.7
S	.7	1.4	4.7	6.7	3.4	.5	.7					15.7	10.3
SSW	.1	.7	.9	1.5	1.1	.4	.1					4.5	13.4
SW	.7	.7	1.7	1.1	.4	.2	.7	.1				5.7	12.7
WSW	.1	.1	.4	.6	.2	.2	.7					2.1	12.1
W	.1	.	.7	.6	.4	.3	.5					2.9	12.1
WNW	.7	.7	.7	.7	.4	.2	.7					4.5	11.7
NW	.7	.	1.1	1.2	1.4	.5	.2	.7				5.5	14.7
KNW	.1	.7	1.2	2.2	1.3	1.7	.1	.0				7.1	14.7
VARIABLE												1.7	
CALM												1.7	
TOTAL	1.7	14.5	25.8	34.7	16.7	5.3	.7	.1				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 6596

U.S. METEOROLOGICAL BUREAU
 WEATHER SERVICE

SURFACE WINDS

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

STATION: WILL HUBER TAP ON DATE: 17-81 AREA: _____
 STATE OR NAVAL RESERVE: _____ CLASS: ALL WEATHER NUMBER: _____
 CONDITION: _____

DIREC	1-3	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	1.7	3.7	.6	.7						7.7	11.3
NNE			.3	1.7	.4							7.7	12.0
NE			1.5	.9	.1							3.4	9.5
NENE		.4	.0	.5	.1							1.9	9.3
E		.7	.9	.9								2.0	9.4
ESE	.1	.5	1.7	.6								3.1	8.4
SE	.1	2.3	4.2	2.2	.4							4.3	9.1
SE E	.1	4.3	7.4	7.7	1.7	.1						21.1	13.3
S	.7	3.1	5.1	6.6	4.7							23.1	12.0
SSE		1.8	.4	.4	.1	.1						2.6	8.7
SW	.4	1.3	1.0	.6								7.1	7.5
WSW		.5	.5									1.1	8.2
W	.3	.3	1.7	.5								2.5	7.6
WNW	.1	.7	1.4	.4	.3							2.9	9.7
NW	.1	1.1	2.4	1.9	1.3	.4						7.2	11.5
NNW	.1	.4	.9	2.0	1.0	.5						5.4	13.3
VARB												5.3	
CALM													
	.3	2.1	32.2	29.9	11.7	1.4						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 783

ALL DATA FROM THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 UNITED STATES WEATHER SERVICE/WAC

SURFACE WINDS

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

STATION: WILL ROGERS, IAP OK STATION NUMBER: 73-81 YEARS: APR 1950-1952
 CLASS: ALL WEATHER MONTHS: APR 1950-1952
 CONDITION: _____
 HOURS OBSERVED: _____

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	1.0	2.1	3.5	.7							1.0	11.9
NNE		.1	.7	1.1	.2	.1						2.2	11.3
NE		.4	1.9	1.0								3.3	9.9
NNE		.1	1.3	1.0	.2							3.2	10.1
E		1.0	1.0	.9								3.9	8.9
ESE		.1	1.4	.5	.1	.1						3.2	10.6
SE		1.7	3.9	3.5	.4							9.5	10.1
SSE	.2	2.2	7.4	6.0	1.1	.1						17.1	10.6
S	.1	2.4	5.4	9.5	3.2	.1						27.7	12.1
SSW	.4	1.1	1.1	1.1	.5							4.2	9.4
SW	.4	.0	.9	.5		.1						1.7	8.1
WSW	.0	.6	1.4	.1		.1						2.4	8.1
W	.1	.0	1.1	.2								2.1	7.7
WNW		.0	1.2	.5								2.2	8.9
NW		.9	1.4	2.6	.7	.4						6.1	12.4
NNW		.4	1.2	2.6	1.2	.5	.1					6.1	14.4
VARBL													
CALM													
TOTAL	1.7	15.2	33.4	36.7	8.6	1.6	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 672

2

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

SURFACE WINDS

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

STATION NAME: WILL ROGERS TAP OFF YEARS: 73-81 MONTH: APR
 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		.4	1.9	5.3	1.5	.4						10.7	13.5
NNE	.1	.4	.5	.9	.1							2.5	13.9
NE		.4	1.4	.8	.3							2.5	11.3
ENE			.4	1.4								2.3	13.5
E		.4	2.1	1.5								4.3	13.7
ESE		.4	1.4	1.0	.1	.1						3.4	13.7
SE	.1	.4	1.6	2.1	1.3	.1						6.4	12.9
SSE	.1	.1	1.6	7.3	2.3							11.5	13.7
S		.4	2.9	3.8	8.3	1.5	.1					22.2	15.7
SSW		.1	1.0	3.7	3.3	.5						6.7	15.7
SW			1.4	1.9	1.3	.1	.1					2.6	12.5
WSW		.1	.6	.5	.3	.1						1.3	11.5
W	.1	.1	1.6	.4		.1						3.3	9.0
WNW		.1	1.3	1.5	.5	.1						3.5	12.5
NW	.1	.4	.8	1.4	2.0	.4						6.4	14.1
NNW		.1	.5	2.8	2.7	.6	.3					7.2	16.5
VARBL												.1	
CALM												.1	
	.0	6.9	21.3	41.3	24.6	4.5	.5					100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 792

FEDERAL CLIMATOLOGY BRANCH
 AFM FETAL
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS 14P OK YEARS: 73-81 APP: MONTH

CLASS: ALL WEATHER HOURS: 1800-1800

CONDITION: _____

SPEED KNOTS D.R.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	2.0	1.2	2.4	.5						13.1	13.9
NNE		.5	.5	1.0	.5	.1						2.9	12.8
NE	.1	.1	.5	.8	.1							1.5	13.3
ENE		.4	.4	.5	.1							1.5	13.2
E		.5	1.3	1.3								2.2	13.2
ESE		.3	1.6	.8								2.5	13.9
SE		1.5	2.9	3.3	1.6	.5						9.1	13.1
SSE		.4	2.6	5.7	3.2	.3						17.1	14.1
S		.4	2.1	7.6	9.7	2.3	.1					22.2	16.3
SSW	.1		1.1	2.0	2.5	.5	.1					5.5	16.1
SW		.4	1.1	1.6	.6	.5	.1					4.7	14.9
WSW		.1	.5	.9	.3	.3						2.1	13.3
W		.7	1.3	1.1	.5							3.7	13.5
WNW		.1	.9	1.1	.8	.1						3.0	12.9
NW		.3	1.5	2.4	1.6	1.5						7.5	13.5
NNW		.5	1.1	1.6	2.0	.8						5.1	13.7
VARBL													
CALM												.5	
	.3	5.6	22.1	35.1	26.2	7.9	.4					100.0	14.1

TOTAL NUMBER OF OBSERVATIONS 793

2

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MONTH: APR
 CLASS: ALL WEATHER HOURS (LST): 1500-1700
 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		.1	2.0	3.3	1.5	.2	.1					10.3	13.6
NNE		.1	1.1	.9	.4							2.5	11.9
NE	.1	.1	.4	1.3	.3	.1						2.3	11.5
ENE		.1	.7	.6								1.3	10.5
E		.2	.5	.6	.7							2.3	10.1
ESE	.2	.5	.3	.8	.1	.1						2.1	10.1
SE		.1	3.1	4.1	1.8	.5						11.2	13.2
SSE		.1	2.9	3.9	4.6	.4						17.7	14.3
S	.1	.7	2.9	1.9	7.1	1.1	.1					19.4	15.5
SSW	.1	.4	1.1	2.4	1.1	.6	.1					1.7	14.7
SW		.1	1.1	1.8	.3	.5						3.5	13.2
WSW		.1	.5	.6	.4	.1						1.7	12.9
W		.1	.6	.9	.3							2.3	11.3
WNW		.4	.6	.5	.5	.6						2.5	13.8
NW		.4	1.8	1.6	1.8	1.5	.1					7.1	15.5
NNW	.1	.5	1.0	3.3	2.5	1.3						5.5	15.7
VARBL													
CALM												.4	
TOTAL	.4	3.9	20.7	41.5	22.9	7.4	.5					100.0	14.3

TOTAL NUMBER OF OBSERVATIONS

798

2

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 77-31 YEARS: 1900-1977
 CLASS: ALL WEATHER MONTH: APR
 CONDITION: _____ HOURS OBSERVED: 10000

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	.1	1.9	4.2	4.9	1.9	.4						11.3	11.5
NNE	.3	.1	1.3	1.3	.4							3.9	9.2
NE		.1	.9	1.6	.1							3.4	10.0
ENE		.5	.9		.1							1.5	7.5
E	.1	.5	1.5	1.3	.1							3.5	9.3
ESE		1.1	1.5	.4	.1							3.4	7.7
SE	.1	1.4	5.5	4.4	1.6	.4						13.5	11.3
SSE	.1	2.1	6.2	10.1	2.4	.7						21.3	11.5
S	.1	1.4	3.9	5.9	2.4	.5						14.5	12.3
SSW	.1	.4	1.1	.6	.5	.4						3.1	12.5
SW	.1	.3	.6	.3		.3						1.5	10.0
WSW		.4	.4	.1	.1	.1						1.1	11.0
W		.1	.5		.1							.7	9.7
WNW		.1	.5	.4	.3							1.3	11.9
NW		.1	.9	2.3	.6	1.1	.3					5.9	14.5
NNW		.1	1.7	2.9	1.1	1.3						6.5	15.7
VARBL													
CALM												1.4	
#	1.4	13.0	31.2	30.1	11.9	4.8	.3					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 795

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MONTH: APR
 STATION NAME: _____ CLASS: ALL WEATHER HOURS (L & T): 100-2500
 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		1.9	1.9	2.5	1.3	.4						7.9	11.5
NNE		1.3	1.4	1.0	.3							3.9	9.7
NE	.3	.5	2.1	1.3	.1							4.3	9.3
ENE		1.5	1.7	.5	.1							3.3	8.7
E		.6	2.4	.8								4.7	8.4
ESE	.1	1.5	1.7	.5	.1	.1						3.4	9.7
SE	.1	3.3	8.2	5.7	.6	.3						18.1	9.7
SSE	.3	2.3	5.0	9.8	1.9	.4						19.5	11.9
S	.4	2.9	3.0	4.3	2.4	.1						13.1	11.3
SSW	.7	.5	.6	.9	.1							2.4	8.9
SW	.1	.4	.8	.5	.1							1.7	9.3
WSW	.1	.3	.4	.3	.1							1.1	9.7
W		.1	.3									.4	6.7
WNW		.8	.8	.1	.3							1.9	8.7
NW		1.9	1.1	1.6	1.1	.5	.1					5.5	12.3
NNW		.5	2.4	1.9	.8	.1	.1					5.9	11.9
VARBL													
CALM												2.1	
	1.5	23.7	32.4	31.6	9.2	2.1	.3					100.0	10.4
TOTAL NUMBER OF OBSERVATIONS												794	

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20541
 METEOROLOGICAL SERVICE/MAS

SURFACE WINDS

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

STATION: WILL ROBERTS IAP OK STATION NUMBER: 73-81 YEARS: AD-
MONTH-
 CLASS: ALL WEATHER CLASS: ALL
 MONTH: 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	1.1	2.2	4.3	1.4	.4	.	.	.	.	.	9.4	12.7
NNE	.0	.3	.9	1.2	.4	.7	.	.	.	.	.	3.1	11.1
NE	.1	.3	1.3	1.1	.1	.	.	.	.	.	.	3.1	9.5
ENE	.0	.0	.8	.7	.1	.	.	.	.	.	.	2.7	9.3
E	.0	.0	1.3	.9	.1	.	.	.	.	.	.	3.0	9.3
ESE	.1	.7	1.4	.6	.1	.1	.	.	.	.	.	3.0	9.9
SE	.1	1.3	4.2	3.6	1.2	.3	.	.	.	.	.	11.1	13.9
SSE	.1	2.7	5.1	4.0	2.5	.7	.	.	.	.	.	17.7	12.7
S	.0	1.6	3.6	7.3	5.7	.7	.0	.	.	.	.	18.0	13.6
SSW	.1	.5	.9	1.4	1.7	.3	.7	.	.	.	.	4.5	13.7
SW	.0	.5	1.0	1.0	.3	.2	.7	.	.	.	.	3.2	11.3
WSW	.1	.3	.7	.3	.1	.1	.	.	.	.	.	1.0	10.2
W	.1	.5	.8	.4	.1	.7	.	.	.	.	.	2.7	9.1
WNW	.0	.0	1.3	.6	.3	.1	.	.	.	.	.	2.0	10.8
NW	.0	1.0	1.6	1.9	1.4	.8	.1	.	.	.	.	6.7	13.5
NNW	.0	.5	1.2	2.3	1.5	.6	.1	.	.	.	.	6.4	14.4
VARBL													
CALM												1.5	
	1.4	13.4	28.1	35.8	15.5	3.9	.3					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 6345

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

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: 1950-1959 MONTH: MAY
 CLASS: ALL WEATHER HOURS: 000-2400
 CONDITION: _____

SPEED KNOTS 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	2.1	2.7	1.5	.5	.1						7.5	9.0
NNE		1.0	1.4	1.7	.4							5.7	9.8
NW	.2	.0	2.9	.6	.1							4.5	5.4
ENE	.1	.7	.9	.6	.1							2.5	5.7
E	.1	1.7	1.4	.7								3.4	5.1
ESE		.9	2.7	1.6								5.2	9.4
SE	.2	5.3	5.3	3.1	.1							13.9	5.3
SSE	.1	3.7	7.9	7.1	.7							19.7	9.6
S	.4	3.7	5.6	4.8	1.0							18.7	9.5
SSW		.9	.5	.1								1.5	5.8
SW	.1	1.1	.4	.5								2.1	7.4
WSW	.0	.2	.1	.1	.1		.1					1.0	10.3
W	.4	.7	.5		.1							1.5	5.4
WNW	.1	1.0	1.1	.2	.1	.1						2.7	7.9
NW		1.7	1.8	1.1	.1	.4	.1					5.3	9.9
NNW	.1	1.4	.5	1.5	.5	.1						4.1	10.5
VARBL												5.3	
CALM													
IF	1.5	25.4	35.6	24.6	3.6	.7	.2					110.0	8.5

TOTAL NUMBER OF OBSERVATIONS 314

REMARKS: _____
 PRELIMINARY REPORTS OF THIS FORM ARE NOT TO BE USED FOR STATISTICAL PURPOSES

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

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK
 STATION NAME:

73-81

YEARS

MONTH: MAY

CLASS: ALL WEATHER

HOURS: 1700-1800

CONDITION:

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	3.3	2.5	.1							6.5	5.4
NNE		1.1	1.7	.7								2.5	6.2
NE		.7	2.2	1.6		.1						4.7	7.1
NNE		.1	1.7	.6								3.5	7.0
E	.4	1.1	1.2	.5								3.0	7.8
ESE		1.7	1.4	.7								3.5	7.7
SE	.1	4.7	3.2	2.7	.2	.1						7.9	8.1
SSE		4.0	7.8	6.5	.1							14.7	9.5
S	.7	4.3	6.6	7.4	.5							19.1	10.5
SSW	.1	1.4	.7	.5	.1							2.5	7.5
SW		.7	.4	.4								1.5	7.4
WSW	.1	.5	.2									.9	5.4
W	.5	1.0	.5	.1								2.2	5.4
WNW	.4	1.5	1.1	.4								3.3	6.5
NW	.4	1.1	2.2	1.5	.4	.1						5.9	6.7
NNW		1.5	1.6	1.7	.7							5.7	10.0
VARBL													
CALM												4.1	
TOTAL	7.1	29.0	35.5	26.9	2.2	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 529

UNOFFICIAL - FOR INFORMATION ONLY - NOT TO BE USED FOR LEGAL PURPOSES

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 U.S. WEATHER SERVICE/MAL

SURFACE WINDS

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

STATION NO. 3 STATION NAME WILL ROGERS IAP OK YEARS 73-81
 CLASS ALL WEATHER
 CONDITION

MAX
 WIND
 SPEED
 10.0

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	MEAN WIND SPEED	
N		1.0	2.4	5.8	.7	.1														2.1	10.0
NNE	.1	.7	.7	.7	.4	.1														2.2	10.0
NE		.7	1.7	1.3	.1															1.5	9.0
ENE		.7	2.3	1.7	.1															4.1	10.0
E	.4	.7	2.3	1.7																4.4	10.0
ESE		.7	1.5	1.7																3.1	10.0
SE	.4	3.4	3.9	1.8	.7															4.7	10.0
SSE	.5	1.7	6.4	4.1	.7	.1														13.7	10.0
S	.7	3.4	5.8	11.6	1.5															12.9	11.1
SSW	.2	.5	.8	.7																2.4	10.0
SW	.4	1.1	.2	.6																2.3	7.0
WSW	.2	.4	.0	.1																1.0	10.0
W		.7	.7	.2	.1															1.6	10.0
WW	.1	1.0	.8	.6																2.5	10.0
NW	.7	1.1	1.7	1.3	1.1															3.4	10.0
NNW	.0	1.0	2.9	1.8	.6															7.4	9.0
VARR																					
CALM																				3.0	
TOTAL	7.1	10.7	34.5	31.7	5.9	.4														170.1	9.4

TOTAL NUMBER OF OBSERVATIONS

625

2

NATIONAL CLIMATOLOGY BRANCH
 F. TAC
 METEOROLOGICAL SERVICE CANADA

SURFACE WINDS

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

STATION: WILLOW CREEK, SASK. PROV. CANADA
 YEAR: 1951
 MONTH: 11
 CLASS: ALL WEATHER
 LOCATION: SASK. PROV. CANADA

WIND DIRECTION	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.2	4.4	1.2	.1	.1					3.2	11.4
NNE		1.4	.8	.1							3.2	7.4
NE		.7	1.2	.8	.1						3.4	12.7
NENE	1.1	.6	1.5		.1						3.4	7.5
E		1.4	.7								3.5	7.1
ESE	.1		2.5	1.7	.1						3.7	9.9
SE	.1	1.1	3.7	2.2	.5	.1					3.4	7.7
SSE	.7	1.2	2.7	3.9	.7						1.1	11.3
S	.1	1.1	4.4	12.7	5.5	.2					14.1	13.5
SSW	.7	.4	1.2	2.1	1.7	.4					3.3	13.1
SW			1.1	1.6	.9	.1					3.4	12.3
WSW			.5	.5	.1							12.9
W			.2	.2							.3	7.8
WNW			1.2	.4		.1					2.3	10.8
NW			1.2	1.4	.7	.4					4.1	13.2
NNW	.1	1.1	1.6	2.5	1.1	.5					6.7	12.4
CALM											1.2	
TOTAL	1.7	12.1	23.3	41.2	13.7	2.5	.2				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 511

FORM 100-1 (REV. 1-5-50) PREPARED BY THE METEOROLOGICAL SERVICE CANADA

2

FEDERAL METEOROLOGICAL SERVICE
METEOROLOGICAL SERVICE
METEOROLOGICAL SERVICE

SURFACE WINDS

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

STATION: _____ DATE: _____ YEAR: _____
WIND OBSERVATION: _____
ALL WEATHER CLASS: _____
MEAN WIND SPEED: _____

WIND DIRECTION	0-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	25+	MEAN WIND SPEED
N	.2	.1	1.5	4.2	1.1	.2						11.7
NNE		.4	2.2	1.3	.1							11.1
NE		.1	1.8	.7								10.7
ENE		.1	.7	1.0								10.1
E	.1	.1	1.7	2.1	.3							10.5
ESE		.1	1.2	1.5								9.6
SE	.1	.1	3.2	4.1	.4							11.8
SSE		1.1	2.4	1.3	1.5	.1						12.0
S	.1	1.2	1.8	10.6	5.1	.2						13.7
SSE	.1	.1	1.3	2.1	1.2	.2						10.4
SSW		.1	.2	1.3	.2	.4						10.2
SW	.1	.1	.4	.3	.1	.2						11.1
WSW	.1	.1	.5	.6	.4		.1	.1				12.7
W	.1	.1	1.0	.1			.1	.1				10.4
WNW		.1	.1	1.3	1.1	.2						10.1
W		.1	1.1	2.3	1.2	.1						10.2
ALL	1.7	11.0	27.5	44.2	12.6	1.2	.1	.2				12.8

TOTAL NUMBER OF OBSERVATIONS: _____

STATION: _____ DATE: _____ YEAR: _____

CLIMATE DIVISION
 STATION NO. 34411 Z442

SURFACE WINDS

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

STATION NAME: _____ STATE: _____ COUNTY: _____
 ALL WEATHER CLASS _____ YEARS: _____ MONTH: _____
 LOCATION: _____

	2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	5.7	5.4	1.7							11.9	11.0
NNE		.1	10.9	2.4	.7							14.1	11.0
NE		.1	1.7	1.1	.6							3.5	11.0
NNE	.1	.1	1.0	.7	.7							3.6	11.0
E	.1	.1	2.0	1.7	.3							4.2	11.0
ESE	.1	.1	1.7	1.5	.7							4.0	11.0
SE	.1	1.7	2.8	3.0	.7	.2						11.5	11.3
SSE	.1	1.0	2.7	1.7	2.3	.7						7.5	12.0
S	.1	.1	2.4	1.6	2.8	.5						7.9	13.0
SSW		.1	.3	1.2	.6	.7						3.3	13.7
SW		.1	1.0	1.7	.1							3.0	13.0
WSW	.1	.4	.7	.3	.4	.7						3.0	13.0
W	.1	.4	1.1	.4	.1	.7	.2					3.3	13.0
WSW	.1	.7	.3	.3			.1					1.7	10.1
W	.1	1.0	1.1	.9	.9	.4						6.4	11.0
WSW		.1	1.7	1.0	1.5	.5						5.3	12.0
WSW												.7	
TOT		11.1	27.6	43.3	11.4	2.0	.2	.1				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 317

CLIMATE DIVISION
 STATION NO. 34411 Z442

U.S. METEOROLOGICAL BUREAU
 WASHINGTON, D.C. 20541
 OFFICE OF METEOROLOGICAL SERVICES

SURFACE WINDS

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

WILLIAMS, IAP, OK
 STATION NUMBER

70-51

MAY
 MONTH

ALL WEATHER
 CLASS

1950-1950
 HOURS OBS.

CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	Σ	MEAN WIND SPEED
N	.0	2.7	4.1	3.0	.9	.1						11.5	5.9
NNE		1.7	2.3	1.5	.2							5.5	4.7
NW	.7	1.1	2.2	1.1	.5	.1						5.1	4.5
ENE	.1	.7	1.2	.5								3.5	2.5
E	.1	1.1	4.5	1.8	.1	.1						5.7	4.7
ESE	.7	2.1	3.7	1.2	.1							5.7	4.7
ESE	.4	2.1	5.2	3.4	.2							14.5	4.5
SE	.0	2.1	7.3	5.2	1.5							19.2	11.1
S	.7	2.7	4.4	1.9	.7							11.5	10.2
SSE		.0	.5	.2								1.5	5.4
SSE	.1	.4	.2	.1								.7	5.5
SSE	.1	.0	.2		.2							1.5	5.5
SSE	.1	.0	.4	.4		.1						1.5	9.1
SSW	.1	.0	.2	.2	.0	.1						1.5	11.3
SSW	.1	.0	.7	.7	.2	.4	.1					3.7	11.1
SSW	.7	1.0	.5	1.3	.7	.1						3.5	11.5
VARBL												2.7	
CALM												7.4	
	7.4	1.3	34.1	5.1	5.3	1.7	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

527

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

SURFACE WINDS

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

STATION: WILL ROGERS LAP OF STATION NAME: 77-51 YEARS: 1950-1951 MONTH: 12
 CLASS: ALL WEATHER HOURS: 00-2300
 CONDITION: _____

SPEED KNOTS DIR	0-3	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	2.4	1.5	.7	.1						5.1	7.1
NNE	.1	.1	1.0	.9								2.8	6.5
NE	.4	1.2	3.1	1.9	.2							4.8	8.4
ENE	.2	.3	1.5	.4	.1							3.1	7.2
E	.7	1.8	3.9	1.1	.1							7.7	8.1
ESE	.6	2.1	3.5	1.5	.1							7.8	5.1
SE	.2	3.5	7.8	3.8	.2							15.5	5.7
SSE	.1	4.1	5.5	5.6	.7	.1						27.2	10.2
S	.7	2.3	4.1	4.7	.5	.1						11.3	10.0
SSW	.1	.4	.1									.7	5.5
SW	.7	.1	.1	.1	.1							1.5	6.1
WSW	.1	.1										.4	4.3
W	.1	.1	.1	.1	.1							.7	9.5
WNW	.7	1.1	.5		.1	.1						2.2	5.9
NW	.1	1.1	.6		.4	.4						1.7	10.3
NNW	.1	1.5	1.2	1.3	.6	.1						4.5	11.4
VARBL													
CALM												5.0	
TOTAL	5.7	25.3	35.6	24.2	4.3	.7	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 521

2

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

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-01 YEARS: 5 MONTH: MAY
 CLASS: ALL WEATHER HOURS: ALL
 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	.1	1.5	3.5	7.6	.8	.1						12.3	10.5
NNE	.1	.7	1.4	1.2	.5	.7						3.5	7.5
NF	.1	.5	1.9	1.1	.2	.7						4.1	7.5
ENE	.1	.7	1.2	.8	.1	.5						3.3	7.7
E	.1	1.1	2.2	1.2	.1	.3						4.3	8.9
ESE	.1	1.2	2.2	1.4	.3	.5						5.5	8.5
SE	.2	2.2	4.5	3.5	.3	.5						11.5	7.4
SSE	.2	2.4	5.5	7.4	1.9	.5	.3					16.6	10.5
S	.1	2.4	4.8	5.5	2.2	.1	.2					18.3	11.7
SSW	.1	.6	.8	.9	.4	.1						2.3	10.7
SW	.1	.9	.6	.7	.2	.1						2.3	7.5
WSW	.1	.4	.2	.3	.2	.1	.5					1.5	10.4
W	.1	.7	.5	.3	.1	.3	.5	.5				1.5	7.7
WNW	.2	.7	.8	.3	.1	.1	.5	.5				2.4	8.5
NW	.1	1.2	1.3	.9	.6	.3	.7					4.4	10.8
NNW	.1	1.2	1.4	1.6	.9	.2						5.4	11.3
VARIABLE													
CALM													
TOTAL	4.3	19.3	33.7	33.7	7.3	1.2	.2	.9				100.2	10.0

TOTAL NUMBER OF OBSERVATIONS: 5553

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20541
 AIR WEATHER SERVICE/FAO

SURFACE WINDS

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

STATION: WILL ROBERT IAP OK YEARS: 73-81 MONTH: JUL
 STATION NAME: WILL ROBERT IAP OK CLASS: ALL WEATHER MONTHS: 7-8-9
 CONDITION: _____

SPEED KNOTS C.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		1.1	1.5	1.5	.1	.1						4.1	9.4
NNE		.1	.9	.4		.1						2.2	6.5
NE	.1	2.1	1.1	1.1	.1							4.9	6.4
NENE		.7	1.4	.1								2.4	6.7
E		.1	1.6	.4								4.1	7.2
ESE		2.5	1.9	.4								5.1	6.5
SE	.4	5.2	6.5	1.5								13.7	7.5
SSE	.9	4.4	11.8	7.8								24.3	9.9
S	.7	3.7	6.7	12.3	1.6							25.0	10.5
SSW	.1	.3	.8	.5	.1							1.8	10.0
SW		.1	.7	.1								1.5	7.3
WSW		.1	.1									.3	6.3
W		.1	.4	.1								.5	8.5
WNW		.4	.1	.1								.5	7.0
NW	.1	.5	.4	.3								1.4	7.5
NNW		.5	.3	.5								1.5	7.6
VARBL													
CALM												4.2	
	1.0	25.9	30.5	25.8	2.0	.3						10.1	5.4

TOTAL NUMBER OF OBSERVATIONS 790

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 77-81 MONTH: JUN
 STATION NAME: WILL ROGERS IAP OK CLASS: ALL WEATHER HOUR (LST): 7:00-16:00
 CONDITION: _____

SPEED KMPH DIR	1-3	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	.8	.1	.3						4.3	9.5
NNE		.8	1.1	.5								2.6	8.5
NE		1.7	1.1	.3								2.7	8.2
ENE		1.4	1.4	.4								3.3	7.2
E	.1	1.4	1.1	.8								3.4	7.7
ESE	.9	2.4	1.1	.1								3.5	6.6
SE	.6	5.5	4.7	.9								11.2	6.7
SSE	.4	4.6	12.9	4.9								23.0	6.4
S	.5	5.5	9.6	11.7	1.8	.1						25.7	10.3
SSW	.1	1.1	1.0	.8								3.1	6.2
SW		.8	.2	.3								1.5	7.8
WSW		.4	.1	.1								1.0	6.9
W		.3	.3	.3								.8	9.5
WNW		1.7	.3	.3								1.3	6.7
NW		.5	.4	.1								1.1	6.9
NNW		.5	.8	.5								1.5	6.5
VARBL													
CALM												6.3	
	2.2	25.9	38.4	22.0	1.9	.4						171.3	8.1
TOTAL NUMBER OF OBSERVATIONS												793	

2

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

SURFACE WINDS

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

STATION NAME: WILL ROGERS IAP OK YEARS: 73-81 MONTH: JUN
 CLASS: ALL WEATHER HOURS: 00-2300
 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	1.0	2.4	.5								4.7	7.9
NNE	.1	.7	.7	.6		.1						6.3	9.3
NE		.4	1.8	1.3								7.1	7.4
ENE		.5	1.5	.5								6.5	8.4
E		1.1	1.5	.8								5.4	8.4
ESE		1.0	1.4	.4								6.4	8.9
SE	.2	3.4	4.9	.9	.1							9.5	7.3
SSE	.4	2.9	1.1	4.1	.5							16.3	7.1
S	.3	4.7	10.7	14.8	3.2							32.8	11.2
SSW	.4	1.7	1.7	2.3	.5							5.7	11.2
SW	.1	1.7	1.6	1.3								4.7	8.4
WSW		.5	.3	.4								.7	9.4
W		.4		.1								.7	7.3
WNW	.1	.1	.7									1.3	8.5
NW		.7	1.1	.1								1.7	7.9
NNW	.1	1.0	.1	.9								2.1	8.1
VARBL													
CALM												4.3	
TOTAL	7.0	21.2	39.2	29.2	4.4	.1						110.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 796

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAD

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MONTH: JUL
 STATION NAME: _____ CLASS: WIND WEATHER HOURS IN SET: 1900-1100
 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	.4	1.1	1.8	2.4								5.7	9.4
NNE		.1	1.3	.8								2.4	9.7
NE		.4	2.3	1.7	.1							3.5	9.9
ENE	.1	.4	1.5	.6	.3							2.9	9.7
E	.3	.5	1.1	1.3								3.4	9.7
ESE		.5	1.1	.9	.1							2.9	9.5
SE	.1	1.5	2.1	1.4	.4							5.5	9.4
SSE	.5	1.5	3.6	3.8	.6							10.2	10.2
S	.1	2.3	6.7	16.4	5.7	.2						33.5	12.9
SSW		.1	2.3	6.8	4.3	.4						14.2	14.4
SW	.1	.6	1.3	2.9	1.1	.1						7.5	12.4
WSW	.1	.4	.5	1.7	.1							2.1	10.6
W		.5	.4	.3	.3							2.5	9.4
WNW		.1	.1	.1	.1							.5	10.8
NW	.1	.6	.9	.1	.3	.1						2.1	8.9
NNW		.4	.7	.3	.3							1.5	9.7
VARBL													
CALM												.9	
	6.0	12.5	29.8	39.9	13.6	1.4						100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 795

2

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MONTH: JULY
 CLASS: ALL WEATHER PERIOD: 1200-1400
 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	.3	1.3	2.3	1.4	.1							5.3	7.1
NNE		.5	1.4	1.9	.3							4.2	10.7
NE		1.3	1.6	.9								3.5	8.4
ENE	.1	.7	1.3	.4								2.4	6.8
E	.1	1.1	2.1	.9								4.3	8.4
ESE	.1	.9	2.1	1.3								4.4	8.9
SE	.3	.7	3.3	1.6	.3							5.3	9.3
SSE	.1	.8	4.7	5.8	1.6	.1						13.1	12.1
S	.1	1.3	7.1	19.9	6.2	.5						37.4	13.5
SSW		.7	1.1	5.4	2.8	.5						10.2	15.4
SW	.1	.3	1.0	1.1	.5							3.2	11.6
WSW		.4	.5	.5	.3							1.5	10.9
W		.7	.5	.5	.1							1.5	8.4
WNW		.4										.4	5.7
NW		.5	.4	.3								1.1	8.4
NNW		.4	.9		.1	.1						1.5	10.3
VARBL													
CALM												1.1	
	1.3	11.7	30.3	41.9	12.2	1.3	.1					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 792

USAFAC CLIMATOLOGY BRANCH
 AFM/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

CLASS: ALL WEATHER TAP OK STATION NAME: 73-81 YEAR: JUN MONTH: 1953-1957
 CLASS: ALL WEATHER YEAR: 1953-1957
 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		.1	2.7	1.6								4.4	7.4
NNE		.2	1.6	.9	.4							3.7	13.3
NE	.1	.7	2.8	.9	.1							4.5	8.7
ENE		1.1	1.1	.5								1.3	7.7
E	.1	1.1	2.3	.8	.4							3.7	9.0
ESE	.1	.4	2.7	1.8	.1							4.9	9.7
SE		.4	4.7	3.5								5.2	13.4
SSE		.4	3.5	4.9	1.9	.7						16.0	13.1
S		1.4	7.7	21.6	6.5	.1						37.5	13.3
SSW		.5	.9	2.9	.9	.1						5.3	12.9
SW		.1	.4	.8	.1							1.4	11.5
WSW	.1	.6	.4	.1								1.4	6.3
W		.1	.3	.1								.5	9.5
WNW		.4	.4	.1								.7	5.1
NW		.4	.5	.8								1.5	10.3
NNW		.1	.4	.6								1.1	7.9
VARBL												.5	
CALM													
	.3	10.1	30.7	46.9	10.4	.5						170.2	11.6

TOTAL NUMBER OF OBSERVATIONS 785

THE GOVERNMENT OF CANADA
METEOROLOGICAL SERVICE

SURFACE WINDS

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

WIND RECORD 14P 04
STATION NAME

77501

YEARS

CON
MONTH

ALL WEATHER
CLASS

1971-1971
PERIOD

COND. FROM

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		.1	1.4	.9		.1						1.1	7.7
NNE	.1		2.8	1.2	.1							3.4	10.0
NE		1.2	1.7	.3								3.4	5.7
ENE	.4	1.0	3.1	.5	.1							4.1	7.4
E	.2	2.0	3.7	1.4								4.3	8.0
ESE	.3	2.0	3.6	1.4	.1							3.4	7.1
SE	.1	2.2	7.7	3.9	.5							14.5	7.1
SSE	.4	2.4	11.2	12.1	.5							20.8	10.1
S		2.0	7.4	12.3	2.0	.1						21.3	11.7
SSW		.1	.6	.1								.7	4.1
SW		.3	.2	.7	.1							.7	1.7
WSW	.1											.1	3.1
W		.2	.1			.1						.3	7.8
WNW		.1										.1	5.0
NW		.2	.5	.2	.1							1.1	10.6
NNW		.1	.5	.2	.2							1.1	11.7
VARBL												1.1	
CALM													
TOTAL	1.2	15.3	42.4	35.4	3.9	.4						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

822

FEDERAL METEOROLOGICAL BUREAU
OF SURVEILLANCE
ALL WEATHER SERVICE/MAG

SURFACE WINDS

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

STATION: ALL WINDS, CAP, OR
STATE: TEXAS

1981

JUN
MONTH

ALL WEATHER
CLASS

170570
HOURS: 0570

CONDITION

DIRECTION	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	1.7	.1							1.4
NNE	.0	.5	1.1								1.4
NW	.1	1.7	1.6	.1							1.6
ENE	.1	0.3	1.4	.3							1.1
E	.1	0.3	.0	.3	.2						0.5
ESE	.4	0.4	0.2	.9							1.4
SE	.7	0.4	0.1	0.8							1.4
SSE	.0	0.7	2.7	0.5	.4		.1				1.8
S	.0	0.4	0.2	0.8	.5	.1					1.0
SSW	.1	.7	.3	.7							.7
SW	.0	.7	.1	.5							.7
WSW	.0	.7	.1	.1							.3
W	.0	.7	.4	.1							.7
WNW	.0	.7	.1	.5							.9
NW	.0	.7	.1	.3							.5
NNW	.0	.7	.1	.3							.5
VARI											
CALM										3.2	
TOTAL	0.0	20.2	40.5	24.3	1.5	.1	.1			17.2	0.4

TOTAL NUMBER OF OBSERVATIONS

79

U.S. CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR SERVICE/MAT

SURFACE WINDS

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

STATION: WILLIAMS TAP STATE: MD YEAR: 1964 MONTH: ALL
 CLASS: ALL WEATHER WINDS: ALL
 CONDITION: ALL

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	1.0	1.2	.1	.1						1.4	7.3
NNE	.0	.0	1.3	.0	.1	.0						1.4	7.7
NE	.0	1.1	1.7	1.0	.1	.0						1.9	8.0
ENE	.0	1.1	1.3	.4	.0	.0						1.6	7.0
E	.0	1.0	.0	.8	.1	.0						1.9	8.0
ESE	.0	2.0	2.1	.0	.0	.0						1.3	7.0
SE	.0	3.0	5.3	2.1	.0	.0						1.0	6.7
SSE	.4	2.0	5.7	7.1	.7	.0						1.1	10.7
S	.2	2.0	8.0	14.3	3.4	.0						11.2	11.9
SSW	.1	.0	1.0	2.4	1.1	.1						1.0	10.1
SW	.0	.0	.0	.9	.0	.0						1.0	10.4
WSW	.0	.0	.3	.3	.0	.0						1.0	9.7
W	.0	.0	.3	.7	.1	.0						1.0	9.1
WNW	.0	.0	.1	.1	.0	.0						1.0	7.1
NW	.0	.0	.1	.3	.0	.0						1.4	8.7
NNW	.0	.0	.5	.4	.1	.0						1.5	8.0
CALM												1.0	7.7
TOTAL		19.1	36.2	37.3	6.3	.6	.7	.7				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 343

NATIONAL METEOROLOGICAL SERVICE
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NAME: WIND BLOWERS, MP, OK
 STATION NUMBER: 11111

77-81

YEARS

JULY

ALL WEATHER CLASS

1977-1981

DIRECTION

	4-7	8-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	%	MEAN WIND SPEED
0-3	1.7	.6	.2	.1							2.0	7.1
4-7	1.4	1.8	.4								2.6	7.0
8-10	1.7	2.1	.4								3.2	7.0
11-16	1.2	.5		.2							1.9	7.1
17-21	2.4	1.2	.5								4.3	6.9
22-27	2.7	.5									3.7	6.7
28-33	7.2	.7	1.3	.2							14.5	6.8
34-40	1.8	1.6	1.5	.1							7.1	7.0
41-47	7.8	11.4	3.7	.2							21.2	7.4
48-55	1.8	.5	.4								2.7	7.3
56	.1	.1									.2	6.9
0-3	.1		.1								.2	6.9
4-7	.1	.1									.2	6.9
8-10	.1	.1									.2	6.9
11-16	.1	.1									.2	6.9
17-21	.1	.1									.2	6.9
22-27	.1	.1									.2	6.9
28-33	.1	.1									.2	6.9
34-40	.1	.1									.2	6.9
41-47	.1	.1									.2	6.9
48-55	.1	.1									.2	6.9
56	.1	.1									.2	6.9
TOTAL	18.2	3.6	1.0	.1							31.2	

TOTAL NUMBER OF OBSERVATIONS



STATION NAME: WIND BLOWERS, MP, OK
 STATION NUMBER: 11111

AD-A128 108

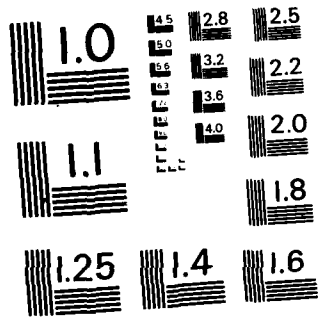
WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
USAFETAC/DS-82/057 SBI-AD-E850 357 F/G 4/2

26

UNCLASSIFIED

NL

The table consists of 10 columns and 15 rows. The top row contains the text 'UNCLASSIFIED' and 'NL' in the first and last columns respectively. The remaining 14 rows and all 10 columns are filled with solid black, indicating redacted content.



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

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS JUL MONTH
0330-0530 HOURS (LST)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.9	1.6	.6	.2							5.4	7.5
NNE		.5	1.1	1.0								2.6	9.3
NE	.2	.5	1.0	.4	.1							2.2	8.1
ENE	.2	.9	.6	.1								1.8	6.5
E	.1	1.6	1.2	.2								3.2	6.5
ESE	.4	1.7	.9	.1								3.1	5.8
SE	.2	6.2	3.6	.9								10.8	6.5
SSE	.6	12.4	12.6	1.4								27.0	6.9
S	1.4	13.8	12.4	2.1								26.7	6.9
SSW	.2	1.6	.9	.6								3.3	7.3
SW	.1	1.5	.2	.1								2.3	5.6
WSW		.4	.1	.2								.7	8.8
W		.1		.1								.2	10.0
WNW	.1	.2	.4	.1								.9	7.3
NW	.1	.7	.4	.1								1.4	6.5
NNW		1.1	.6									1.7	6.5
VARBL													
CALM												6.9	
	3.9	43.1	37.6	8.1	.4							170.0	6.4

TOTAL NUMBER OF OBSERVATIONS 812

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725530 STATION 4111 ROGERS IAP OK 73-81 YEARS JUL MONTH
0600-2400 HOURS (LST)
ALL WEATHER CLASS
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	.4	1.4	1.9	.2								4.0	7.0
NNE		.1	1.9	.7								2.8	9.3
NE	.2	1.1	1.3	.4								3.0	7.2
ENE		.1	1.1	.7								1.9	9.9
E	.2	1.3	1.1	.1								2.8	6.3
ESE	.1	2.4	1.0	.1								3.6	5.8
SE	.8	4.0	2.2	.7								7.7	6.4
SSE	.5	6.6	8.6	2.2								17.9	7.3
S	.7	10.0	17.6	6.6								35.0	8.2
SSW	.1	1.2	3.6	2.9	.2							8.1	9.8
SW	.2	1.2	1.0	.2								2.7	6.8
WSW	.2	.6	.4	.1								1.3	6.0
W		.5	.1	.1								.7	6.3
WNW	.1	.1	.1	.1								.4	6.0
NW	.1	1.2	.6	.2								2.2	6.5
NNW	.1	.7	1.1	.2								2.2	7.8
VARBL													
CALM												3.9	
	4.0	32.7	43.4	15.8	.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 629

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

724537 STATION WILL ROGERS IAP OK 73-81 YEARS JUL MONTH 0900-1800 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.7	2.6	1.3								5.2	8.3
NNE		.5	1.2	1.1								2.8	9.3
NE		.6	1.2	.9	.2							2.9	9.6
ENE		.5	1.0	.6								2.1	9.1
E	.1	.4	1.2	.4								2.1	8.5
ESE		1.0	2.3	.4								3.7	7.7
SE	.2	1.5	2.2	.4								4.3	7.1
SSE	.2	1.3	3.4	1.6								6.6	8.5
S	.1	2.1	10.5	17.4	1.1							31.2	11.3
SSW	.1	2.2	3.9	13.9	1.1							21.2	12.1
SW	.1	.5	3.2	4.6	.4							8.8	11.2
WSW	.2	.5	1.8	.2								2.8	7.9
W	.1	.7	1.1									2.0	6.8
WNW	.1	.2	.6									1.0	6.9
NW		.5	.2									.7	6.2
NNW		.6	1.0	.5								2.1	8.7
VARBL													
CALM												.6	
	2.0	13.9	37.4	43.3	2.8							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 820

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

720030
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
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		.7	2.7	1.6								4.9	9.5
NNE	.1	.7	1.9	1.0								3.7	8.9
NE	.4	.2	1.1	1.1								2.8	9.2
ENE		.8	1.0	1.0								2.8	9.0
E	.2	1.1	2.3	.8	.1							4.6	8.7
ESE	.1	.8	2.4	.5	.1							4.0	8.5
SE	.2	1.8	2.9	1.2								6.1	8.1
SSE	.4	1.4	3.9	4.1								9.8	9.7
S	.1	2.2	13.0	22.8	1.2							36.3	11.8
SSW		1.7	3.3	7.8	.7							13.5	11.6
SW		.5	1.7	2.4	.2							4.8	11.0
WSW	.1		1.0	.2								1.3	9.1
W	.1	.4	.7									1.2	7.0
WNW		.6	.1									.7	5.5
NW			.5	.4								.8	10.4
NNW		.4	.7	.6								1.7	9.4
VARBL													
CALM												1.0	
	1.8	13.4	36.0	45.4	2.4							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

830

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72753 STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS JUL MONTH 1500-1700 HOUR (LST)
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	2.3	1.0								4.7	8.9
NNE		.6	1.7	1.2								2.8	9.8
NE	.1	.5	.7	2.2			.1					3.6	10.6
ENE		.5	1.2	.9								2.6	9.2
E	.1	.9	1.9	1.1								4.0	8.8
ESE	.1	1.9	2.8	.9								5.7	7.9
SE	.1	2.2	4.1	4.1	.2							10.8	9.7
SSE		1.5	6.6	5.8								13.9	10.4
S		2.3	11.4	22.8	1.6							38.2	11.7
SSW		.5	1.7	4.1	.1							6.4	11.9
SW	.1	.6	.6	1.1								2.4	8.7
WSW		.4	.2									.6	5.4
W		.4	.1									.5	5.3
WNW		.2	.2									.5	6.5
NW		.4	.5	.2								1.1	8.2
NNW		.4	.5	.9	.1							1.8	10.2
VARBL													
CALM												1.1	
	.6	13.9	36.0	46.3	2.1		.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

823

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723530 STATION WILL ROGERS IAP OK 73-81 YEARS JUL MONTH
 1800-2000 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.9	.7		.1						3.6	8.8
NNE		.2	1.5	.7	.2							2.7	10.3
NE	.1	.7	1.7	1.0								3.5	9.2
ENE	.1	1.2	1.6	.4								3.3	7.5
E	.2	1.9	1.7	.4								4.2	6.8
ESE	.2	3.9	3.9	1.1								9.1	7.4
SE	.2	5.8	8.6	2.1								16.7	8.0
SSE	.4	4.4	13.7	7.3	.2							25.9	9.1
S		3.5	11.9	9.5	.1							25.0	9.8
SSW	.1	.2	.1	.7								1.2	9.9
SW		.2	.1									.4	7.3
WSW	.1	.6										.7	4.8
W		.2		.1		.1						.5	11.8
WNW		.2		.1	.1							.5	9.8
NW		.7										.7	5.0
NNW		.6	.2	.1	.1	.1						1.2	9.8
VARBL													
CALM												.7	
	1.7	25.3	46.9	24.1	.8	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 825

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727537 WILL ROGERS IAP OK 73-81 JUL

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	.2	1.2	.7	.4	.1							2.7	7.4
NNE		.2	1.0	.5	.1							1.8	10.4
NE	.2	2.0	2.0	.4	.1							4.6	7.4
ENE	.1	1.2	1.2	.1								2.7	6.9
E	.6	3.8	1.2	.2								5.9	5.9
ESE	.2	6.0	3.7	.6								10.5	6.4
SE	.6	9.4	10.5	1.7								22.2	7.1
SSE	.4	8.1	15.8	3.7	.1							28.0	7.8
S	.2	4.4	7.9	2.0	.1							14.7	7.7
SSW	.1	.2	.2									.5	6.4
SW		.2	.2	.1	.1							.7	9.2
WSW		.2										.2	4.5
W		.2		.1								.4	7.0
WNW	.2		.2	.1								.6	7.0
NW		.1		.1								.2	9.0
NNW		.2	.1	.2								.6	9.0
VARBL													
CALM												3.5	
	3.1	37.6	44.8	10.3	.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 819

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

728537 STATION WILL ROGERS IAP OK 73-81 YEARS JUL MONTH
 ALL WEATHER CLASS ALL HOURS (L S T) CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.3	1.8	.8	.1	.0						4.1	8.1
NNE	.0	.4	1.3	.8	.0							2.6	9.4
NE	.2	.9	1.4	.8	.1		.0					3.4	8.6
ENE	.1	.8	1.0	.5	.0							2.4	8.1
E	.2	1.7	1.5	.5	.0							3.9	7.2
ESE	.3	2.5	2.2	.5	.0							5.4	6.9
SE	.4	4.8	5.0	1.6	.1							11.9	7.4
SSE	.4	5.7	10.4	3.5	.1							20.0	8.1
S	.3	5.4	11.6	10.9	.5							28.8	9.7
SSW	.1	1.1	1.8	3.8	.3							7.1	11.1
SW	.1	.6	.9	1.1	.1							2.8	9.6
WSW	.1	.4	.4	.1								1.0	7.2
W	.1	.3	.3	.1		.0						.8	7.1
WNW	.1	.2	.2	.1	.0							.6	6.8
NW	.1	.5	.3	.2								1.0	7.0
NNW	.0	.6	.5	.3	.0	.0						1.5	8.7
VARBL													
CALM												2.7	
	2.6	27.3	40.7	25.3	1.3	.1	.0					100.3	8.4

TOTAL NUMBER OF OBSERVATIONS 6576

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72753 WILL ROGERS IAP OK 73-81 AUS
STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-2300
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	.2	1.3	1.0	.5								3.0	7.6
NNE		.5	1.6	.4								2.4	8.6
NE		1.2	1.5	.6	.1							3.4	8.2
ENE		.9	1.2	.5	.1							2.7	8.6
E	.4	1.8	2.6	.2	.1							5.1	7.2
ESE	.2	3.6	1.5	.2								5.6	6.2
SE	1.2	10.6	5.2	1.6	.1							18.7	6.5
SSE	1.5	11.9	12.2	4.0	.1							29.7	7.4
S	1.1	7.8	7.7	3.3								19.8	7.5
SSW	.4	.7	.6	.1								1.8	6.1
SW	.5	.1										.6	3.0
WSW	.1	.1										.2	3.0
W	.2	.2										.5	3.8
WNW	.1	.2	.2	.1								.7	8.2
NW	.4	.5	.5		.1							1.5	6.3
NNW	.1	.2	.4	.1	.1							1.0	8.3
VARBL													
CALM												3.2	
	6.4	41.8	36.0	11.7	.9							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72-1801 WILL ROGERS IAP OK 73-81 AUG 3307-0570
STATION NAME YEARS MONTH HOURS (LST)

ALL WEATHER
CLASS

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	.2	.4	2.3	.4	.1							3.4	5.8
NNE	.1	.9	1.2		.1							2.3	7.5
NE	.1	.9	1.1	.5								2.6	7.7
ENE	.1	.7	.6	.2								1.7	7.3
E	.1	1.5	1.5	.2								3.3	6.9
ESE	1.3	1.6	1.5	.5								4.9	5.9
SE	1.5	9.3	3.7	.9								15.4	5.9
SSE	2.8	12.2	11.9	1.1								28.3	6.5
S	1.5	8.3	11.2	3.7	.2	.1						25.1	7.9
SSW	.2	.7	.6	.1	.1							1.8	7.0
SW	.5	.6	.1	.1								1.3	5.5
WSW	.1	.1	.1									.4	5.7
W	.1	.2	.1									.5	4.5
WNW	.7	.2		.1								1.5	5.2
NW	.2	1.2	.5									2.3	5.1
NNW	.1	.5	.9	.1								1.7	7.0
VARBL													
CALM												4.2	
	10.0	39.5	37.7	7.9	.6	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 618

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

125537 STATION WILL ROGERS IAP OK 73-81 YEARS AUG MONTH 2600-2870 HOURS U.S.T.

ALL WEATHER CLASS

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	2.3	.5	.1							4.3	5.5
NNE	.2		.5	1.0								1.7	10.0
NE		.7	1.2	.4								2.3	6.4
ENE	.1	1.6	.6	.2								2.6	6.4
E	.4	1.2	1.6									3.2	6.7
ESE	.1	1.6	1.3									3.0	6.4
SE	1.2	6.6	3.6	.5								11.9	6.2
SSE	.9	3.1	10.4	2.8	.1							22.4	7.4
S	1.3	7.8	15.6	5.5	1.0							31.1	8.6
SSW	.2	1.6	1.9	1.3	.1							5.2	6.5
SW	.1	.5	.9									1.5	6.9
WSW		.5										.6	5.2
W		.2										.2	4.0
WNW	.2	.5	.6	.2								1.6	7.2
NW	.2	.5	.7	.1								1.6	6.5
NNW	.2	1.5	.6	.1								2.4	5.9
VARBL												4.7	
CALM												4.7	
	5.6	33.8	41.9	12.6	1.3							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 823

2

GENERAL CLIMATOLOGY BRANCH
 WAFB/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81
 CLASS: ALL WEATHER
 MONTH: 07-11
 NO. OF DAYS: 157
 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	1.5	1.2	.1							2.0	7.7
NNE	.1	.9	1.7	.6	.1							2.3	9.0
NE		.5	.7	.7								2.1	9.1
ENE		.0	1.2	.7								2.6	9.1
E		.5	1.1	.5								2.2	8.7
ESE	.4	.6	.9	.2								2.1	7.7
SE	.1	.0	3.3	1.2								3.2	8.8
SSE	.1	1.8	5.1	3.4	.1							10.6	9.3
S	.1	3.3	14.8	15.3	2.1	.1						37.2	11.0
SSW		.5	3.9	9.8	1.8	.2						15.5	12.4
SW		.5	2.4	2.7								5.6	10.0
WSW		1.1	1.0	.5	1							2.7	8.1
W		.4	.5									.9	8.8
WNW	.1	.5	.1	.4								1.2	7.3
NW	.4	1.7	.2	.4								1.9	8.4
NNW		.5	.5	.7								1.7	7.8
VARBL												.5	
CALM												.5	
#	1.3	14.7	38.3	39.4	4.4	.4						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 823

2

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS 1973-1981 MONTH ALL
 CLASS ALL WEATHER HOURS 1400
 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	1.1	2.4	1.2	.2							5.3	5.7
NNE		.7	.9	1.0	.1							2.7	10.1
NE		.9	1.1	1.1	.1							3.2	7.7
ENE		.4	.6	.5								1.5	7.1
E		.9	1.2	.2								2.3	7.3
ESE	.2	.5	2.7	.5								3.9	8.3
SE	.1	1.4	3.8	.4								5.6	7.8
SSE	.1	2.2	6.5	3.3	.2							12.3	9.4
S	.1	2.3	12.1	15.6	2.1	.1						35.3	11.5
SSW		.9	3.3	9.0	.9	.1						14.2	12.3
SW	.1	1.0	1.8	3.2	.1							6.2	10.6
WSW	.1	.2	1.0	.6								2.0	8.4
W	.2	.5	.2		.1							1.1	7.0
WNW		.2	.1	.2								.6	9.0
NW		.5	.4	.2								1.1	7.7
NNW		.5	.4	1.0								1.5	9.9
VARBL												.7	
CALM												.7	
	1.3	14.3	38.5	41.0	3.9	.2						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 819

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK YEARS 73-81 MONTH AUG
 CLASS ALL WEATHER MONTH 1500-1700
 CONDITION _____

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	2.6	1.0	.1							4.5	8.9
NNE		.6	.6	1.2								2.5	10.1
NE		.4	1.3	1.0								2.7	9.2
ENE	.1	.9	1.1	.4								2.5	7.7
E	.2	1.5	1.6	1.2								4.5	8.7
ESE	.1	1.3	1.8	.7								4.3	7.7
SE	.2	2.3	6.9	2.1	.1							11.3	8.5
SSE		1.5	7.2	6.5	.1							15.4	10.3
S	.5	2.1	13.2	23.1	2.3							37.9	11.2
SSW	.1	1.7	1.8	4.4	.4							7.7	11.6
SW		.7	1.2	.9	.2							3.1	9.7
WSW		.6	.4									1.0	8.5
W		.2	.1									.4	8.3
WNW		.2	.1	.2								.6	8.8
NW		.1	.4									.5	8.8
NNW	.1	.1	.6	.5								1.3	9.8
VARBL													
CALM												.6	
	1.6	13.6	41.1	40.2	2.9							100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 816

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72037 WILL ROGERS IAP OK 73-81 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 1800-2000
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		.5	1.5	1.3	.1							3.4	10.1
NNE		.9	.9	1.1								2.8	7.4
NE		1.2	1.5	1.1	.2							4.0	9.3
ENE		1.7	1.3	1.0								3.3	8.5
E		1.2	2.2	1.3								4.8	8.8
ESE	.2	3.7	3.5	.4								7.2	7.1
SE	.5	5.2	11.0	2.8								20.6	7.7
SSE	1.1	4.6	11.6	5.6								22.9	8.5
S	.4	5.1	9.3	7.4	.6							22.8	9.3
SSW		.4	1.1	1.0								2.4	10.0
SW		.4	.7	.4								1.5	9.0
WSW		.4	.2									.5	8.0
W	.2	.1		.2								.6	7.8
WNW				.1		.1						.2	19.0
NW		.1	.4									.5	7.0
NNW		.2	.1	.1	.1							.6	11.2
VARBL													
CALM												1.8	
	2.6	25.3	45.2	23.9	1.1	.1						100.0	8.5

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)

12053 STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS AUG MONTH
2100-2300 HOURS (LST)
 ALL WEATHER CLASS
 CONDITION

SPEED KNTS Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.0	1.1	.2							3.2	9.8
NNE			2.1	.7	.1							2.9	10.7
NE	.1	1.7	1.1	.7								2.9	8.5
ENE	.1	1.2	1.7	.9								3.9	8.1
E	.4	1.7	3.8	.4								6.2	7.4
ESE	.7	3.9	3.1	.4								8.1	6.4
SE	1.3	12.8	9.8	1.5								25.4	6.5
SSE	.6	9.4	13.9	6.1	.1							27.1	8.1
S	.7	4.9	5.9	1.6								13.1	7.3
SSW		.5	.6	.1	.1							1.3	8.4
SW	.1	.2	.1	.1	.1	.1						.7	11.2
WSW	.2	.1	.2	.1								.7	6.3
W	.4											.4	3.0
WNW			.1									.1	10.0
NW		.1				.1						.2	13.5
NNW		.4										.4	5.0
VARBL													
CALM												3.3	
	4.9	37.0	40.3	13.6	.7	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 619

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 720330 STATION NAME WILL ROGERS IAP OK YEARS 73-81 MONTH AUG
 CLASS ALL WEATHER HOUR (L. S. T.) ALL
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.3	1.8	.9	.1							3.8	9.0
NNE	.1	.5	1.1	.7	.1							2.5	9.5
NE	.3	.9	1.2	.8	.1							2.9	8.8
ENE	.1	.9	1.1	.5	.7							2.6	8.1
E	.2	1.2	1.9	.5	.7							3.9	7.7
ESE	.4	2.7	2.0	.4								4.8	6.8
SE	.8	6.2	5.9	1.4	.7							14.3	7.0
SSE	.9	6.5	9.5	4.1	.1							21.0	8.0
S	.7	5.3	11.2	9.5	1.7	.7						27.8	9.7
SSW	.1	.8	1.7	3.2	.4	.7						6.4	11.3
SW	.2	.5	.9	.9	.1	.7						2.6	9.6
WSW	.1	.4	.4	.2	.7							1.7	7.2
W	.2	.2	.1	.0	.0							.6	5.9
WNW	.2	.3	.2	.2	.7							.8	7.7
NW	.2	.5	.4	.1	.0	.7						1.2	6.5
NNW	.1	.5	.4	.3	.0							1.4	6.3
VARBL													
CALM												2.5	
	4.2	27.5	39.9	23.8	2.0	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 6561

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

72533 STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS SEP MONTH 1000-0200 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.3	3.0	3.1	.1							8.7	9.5
NNE	.1	.8	1.6	1.7	.3							3.8	9.3
NE	.3	2.7	1.9	.8								4.9	7.4
ENE	.1	1.3	1.5	.5								3.4	7.4
E	.5	2.1	1.3									3.9	5.9
ESE	1.0	2.9	.9									4.8	5.2
SE	.9	8.4	4.2	.3								13.7	5.9
SSE	1.9	8.3	8.7	3.1	.3							22.3	7.5
S	1.0	3.4	5.4	4.9	.5							15.2	9.2
SSW	.4	1.3	.4	.3	.1							2.4	6.6
SW	.4	.9	.1									1.4	4.9
WSW	.1	.3										.4	4.7
W	.1	.6										.8	4.2
WNW	.3	.5	.3									1.0	4.8
NW	.3	2.6	.4									3.3	5.2
NNW		1.4	1.0	.6	.1							3.1	6.3
VARBL												7.7	
CALM													
	7.4	39.0	30.6	14.6	1.4							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

12153. WLL ROGERS IAP OK 73-81 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
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	.5	2.4	4.2	3.7	.3							11.1	9.3
NNE	.3	1.7	2.0	1.1								4.5	6.4
NE	.4	1.9	1.7	.4								4.3	6.9
ENE	.3	1.7	.8	.3								2.9	5.3
E	.8	2.3	.8	.1								3.9	5.4
ESE	.5	2.9	.8	.1								4.3	5.3
SE	1.7	7.8	3.2	.1								12.7	5.6
SSE	.4	7.3	8.9	1.3								17.8	7.2
S	1.1	5.7	5.1	6.4	.3							18.6	8.6
SSW	.5	1.3	.3	.5								2.5	5.9
SW	.5	.5	.3									1.3	4.5
WSW	.1	.4		.1								.5	5.8
W	.3	1.0	.1									1.4	4.5
WNW		1.0	.5	.1								1.7	6.5
NW	.1	1.7	1.1	.3		.1						3.3	7.3
NNW	.4	1.1	.8	.4								2.7	6.5
VARBL													
CALM												6.2	
	7.8	40.0	30.4	14.9	.5	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 785

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 723530 WILL ROGERS IAP OK YEARS 73-81 MONTH SEP
 STATION NAME CLASS ALL WEATHER HOURS (LST) 0600-2000
 CONDITION

SPEED (KNTS) Dir	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	3.8	4.3	4.0	.5	.1						13.1	9.3
NNE		.5	1.8	1.4								3.8	9.6
NE	.4	1.4	1.6	.9								4.3	7.8
ENE	.5	1.4	.6	.4								2.9	6.3
E	.4	1.9	.9									3.2	5.8
ESE	.4	2.3	.8	.4								3.9	6.1
SE	1.4	6.1	4.0	.3	.1							11.9	6.0
SSE	1.5	8.1	7.8	2.0	.3							19.7	7.2
S	1.3	5.2	7.2	6.3	.4							20.4	9.0
SSW	.3	.6	.5	.8								2.1	6.4
SW	.3	.5										.8	4.2
WSW		.3	.1									.4	6.3
W	.3	.3	.1									.6	4.8
WNW	.1	.5										.6	4.8
NW	.1	1.5	1.5		.3							3.8	7.2
NNW	.1	2.3	.6	.9		.3						4.2	6.5
VARBL													
CALM												4.8	
	7.3	36.7	32.0	17.3	1.5	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 791

2

SOUSAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

127-37 WILL ROGERS IAP 04 73-81 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 1900-1100
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	.4	1.5	3.7	5.9	.4							11.2	10.8
NNE	.1	.6	1.5	2.1								4.4	10.3
NE	.4	1.7	2.8	1.8	.1							6.0	6.8
ENE	.1	.5	1.9	.3								3.0	7.3
E		1.3	1.8	.6								3.7	7.9
ESE	.3	1.5	.9	.4								3.0	6.7
SE	.1	1.7	2.5	.6								5.2	7.3
SSE	.1	2.6	6.4	4.7	.1							14.0	9.5
S	.5	2.9	11.6	17.1	2.8	.1						27.1	11.1
SSW		1.3	2.4	2.6	1.0	.1						7.4	11.6
SW	.1	.8	1.9	.5	.3							3.4	6.0
WSW	.1	.6	.6	.3								1.6	7.5
W	.3	.5	.5	.1								1.4	6.5
WNW		.5	.4	.1								1.0	7.1
NW	.3	.6	1.3	.6	.3							3.0	6.2
NNW		.6	1.0	1.5	.6							3.8	11.5
VARBL													
CALM												.3	
	3.0	18.8	39.4	32.2	5.5	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 794

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

12-133 STATION WILL ROGERS IAP OK 73-81 YEARS SEP MONTH
 ALL WEATHER CLASS 1200-1400 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		.9	2.9	5.8	1.0							10.5	11.8
NNE		.5	1.6	2.5	.6							5.3	11.2
NE	.4	1.4	2.1	1.3	.5							5.6	9.1
ENE		2.5	1.5	.6	.3							4.9	8.5
E		1.6	1.8	.8		.1						4.3	8.4
ESE	.3	1.5	1.4	.4								3.5	6.8
SE	.1	1.8	3.6	1.0								6.5	8.1
SSE	.5	2.4	2.9	4.0	.8							10.5	10.1
S	.3	2.3	6.4	17.7	3.8	.4						25.7	11.9
SSW		.9	3.5	2.8	1.4	.3						8.3	11.7
SW	.1	.6	1.1	.5								2.4	8.4
WSW	.1	.6	.9	.5								2.1	8.3
W		.6	.8	.1								1.4	7.6
WNW		.6	.5									1.1	8.2
NW		.4	1.1	.1	.1							1.8	8.7
NNW	.1	.9	.6	1.6	.9	.1						4.3	12.7
VARBL													
CALM												1.3	
	1.9	19.3	34.8	32.6	9.3	.9						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 797

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS SEP MONTH 1950-1951
CLASS ALL WEATHER
CONDITION

SPEED KNOTS DIR	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	4.4	5.3	1.8	.3		.1				12.4	12.5
NNE	.4	.5	1.9	2.5								5.2	10.2
NE	.1	1.1	1.5	2.0	.3							5.1	7.5
ENE		1.3	1.7	.3								3.3	5.8
E	.4	2.4	2.5	.8	.1							5.2	7.5
ESE	.4	1.6	2.2	.6	.1							4.9	7.9
SE		2.4	5.2	2.3								9.9	8.7
SSE	.3	2.2	3.3	5.3	1.6	.1						12.8	11.3
S	.3	2.4	7.2	10.4	2.8							23.0	11.5
SSW	.1	.5	2.5	1.3	.1							4.7	9.4
SW	.1	.6	1.1	.8	.1							2.8	9.1
WSW	.3	.3	.4									.9	5.7
W		.5	.8	.3								1.5	6.7
WNW		.6	.8	.1								1.5	6.9
NW	.4	.3	.3	.1	.1							1.1	7.1
NNW	.1	.4	1.1	.8	.5	.1						3.7	11.4
VARBL													
CALM												1.5	
	2.9	18.1	36.5	32.8	7.6	.5		.1				100.1	12.5

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION

WILL ROGERS IAP ON
 STATION NAME

73-81
 YEARS

SEP
 MONTH

ALL WEATHER
 CLASS

1900-2000
 HOURS U.S.T.

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		2.7	5.7	2.7	1.1	.2						12.5	10.1
NNE		.9	2.1	1.6								4.6	9.6
NE		2.9	2.1	.9								5.7	7.5
ENE	.5	2.1	1.1	.9								4.5	7.0
E	.2	4.9	2.2	1.4	.1							8.9	7.1
ESE	1.2	5.4	2.1	.4								9.1	6.0
SE	.4	5.7	5.2	2.4	.1							13.1	7.8
SSE	.4	4.7	7.5	6.0	.4							16.2	9.3
S	.5	4.6	4.2	3.4	.2							13.0	8.3
SSW	.1	1.5	.4	.2								2.2	6.2
SW	.1	.7	.1									.7	4.5
WSW	.1	.1	.2	.1								.5	6.4
W	.6	.4	.1									1.1	4.1
WNW	.1	.2	.1									.5	5.0
NW		.1										.1	6.0
NNW	.1	.4	.5	.2	.2							1.5	9.4
VARBL													
CALM												3.5	
	4.5	35.5	33.8	20.2	2.2	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

801

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

SURFACE WINDS

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

STATION: 2110 WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: SEP MONTH: 21.7-23.0 HOURS (L.S.T.)
CLASS: ALL WEATHER
CONDITION:

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.5	3.6	3.1	.5							5.9	1.0
NNE		.3	1.5	.9								3.1	3.6
NE	.5	2.9	3.3	.6								7.3	6.7
ENE	.6	2.3	1.4	.4								4.7	5.4
E	.6	4.3	2.9	.8								8.6	6.8
ESE	.3	5.5	2.6	.1								8.8	5.7
SE	1.8	7.7	6.0	.6								15.1	5.4
SSE	1.3	4.9	6.6	5.8	.3							20.8	5.3
S	.8	4.2	3.0	1.9								7.9	7.3
SSW	.1	.8	.5	.3								1.6	7.3
SW	.3	.2	.3									1.4	5.1
WSW		.4										.4	5.3
W	.6	.4	.3									1.3	4.3
WNW	.1	.4										.5	4.3
NW	.2	.2	.2	.1								1.4	5.3
NNW		.5	.3	.5								2.0	5.1
VARBL												3.4	
CALM												3.4	
	7.5	35.2	35.0	15.1	.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 795

U.S. AIR FORCE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAG

SURFACE WINDS

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

STATION: WILL ROBERT IAP OK YEARS: 73-81 MONTH: _____
 CLASS: ALL WEATHER CONDITION: _____
 ADDRESS: _____

SPEED CATEGORY	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.8	3.9	4.2	.7	.1		.0				11.4	10.4
NNE	.1	.7	1.8	1.7	.1							4.3	9.8
NE	.3	1.4	2.1	1.1	.1							5.9	5.0
ENE	.7	1.7	1.3	.4	.0							3.7	7.0
E	.4	2.6	1.8	.6	.0	.0						5.3	6.9
ESE	.6	3.0	1.4	.3	.0							5.3	6.7
SE	.4	5.1	4.3	.9	.0							11.1	5.0
SSE	.5	5.0	6.8	4.0	.5	.0						17.7	5.6
S	.7	3.3	6.4	6.7	1.3	.1						19.1	10.0
SSW	.2	1.0	1.3	1.1	.3	.0						4.0	9.7
SW	.2	.0	.6	.2	.0							1.0	7.0
WSW	.1	.4	.3	.1								.5	6.9
W	.2	.5	.3	.1								1.2	6.9
WNW	.1	.6	.3	.0								1.0	6.7
NW	.0	1.0	.7	.2	.1	.0						2.2	7.3
NNW	.1	1.0	.3	.8	.3	.1						3.1	9.7
VARB.												3.6	
CALM												3.6	
TOTAL	0.3	30.7	34.1	22.5	3.6	.3		.0				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 5348

2

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 U.S. WEATHER SERVICE/MAJ

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MONTH: DEC
 CLASS: ALL WEATHER MONTH: 000-1200
 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	.2	1.7	3.1	3.8	1.3	.2						17.5	13.9
NNE	.1	.4	1.1	1.1								2.7	9.7
NE		.5	1.3	.5	.4							2.7	13.2
ENE	.1	1.1	.7									2.0	6.1
E	.1	1.1	1.7	.1								2.3	6.5
ESE	.1	1.2	1.2	.6								3.2	7.8
SE	.5	5.1	3.9	2.6	.1	.2						12.6	7.9
SSE	.5	6.7	4.8	6.5	1.7	.2						24.5	9.0
S	.5	8.7	6.4	3.8	.6	.1						19.5	8.3
SSW	1.2	1.7	.6	.2		.1						3.7	6.3
SW	.5	1.1										1.5	4.5
WSW	.2	.4	.1	.1								.9	5.9
W	.1	.2										.4	3.3
WNW	.1	.6	.4	.1	.2	.1						1.6	9.2
NW	.2	1.2	.7	.2		.1						2.6	7.3
NNW	.2	1.3	1.3	1.6	.4	.2						5.1	10.2
VARBL													
CALM												4.4	
	2.0	22.4	31.7	21.3	3.7	1.5						120.1	8.2

TOTAL NUMBER OF OBSERVATIONS 617

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK YEARS: 73-81 MONTH: OCT
STATION NAME YEARS MONTH

CLASS: ALL WEATHER HOURS (L.S.T.): 1800-0500
CLASS HOURS (L.S.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	1.6	4.3	2.3	1.5	.4	.1					11.3	11.4
NNE	.1	.7	1.1	1.5	.4	.1						3.3	11.7
NE	.1	.5	1.1	.5	.1							2.3	9.7
ENE		.1	.5									.6	7.4
E		.4	.9									1.2	7.4
ESE	.4	1.2	2.1	.5								4.2	7.4
SE	.7	5.1	3.4	2.3	.1	.5						12.1	8.5
SSE	.7	6.2	8.7	4.5	.6							20.8	8.5
S	.7	6.5	7.2	5.3	.6							20.3	8.6
SSW	.5	2.2	.7	.4	.1							4.0	6.3
SW	.5	.9	.5	.1	.2							2.2	7.2
WSW	.2	.4	.1	.1								.9	6.7
W	.7	.4	.1									1.2	4.0
WNW	.2	1.3	.5		.1							2.2	6.5
NW		1.7	1.5	.7	.1	.1						4.2	6.4
NNW	.4	1.7	2.6	.9	.2	.1	.1					6.0	6.8
VARIABLE													
CALM												5.2	
	5.6	32.4	35.1	20.1	4.2	1.2	.2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 817

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: 01
CLASS: ALL WEATHER MONTH: 0500-2000
CONDITION: HOURS (LST):

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	2.4	3.4	2.9	2.2	.5						11.5	11.7
NNE	.1		1.6	1.7	.6	.1						4.1	12.7
NE		.4	.7	.7	.1							1.9	9.5
ENE	.1	.4	.7	.1								1.3	6.9
E	.1	.7	.8									1.7	6.5
ESE	.1	.7	1.3	.1								2.3	7.2
SE	.1	4.4	4.9	2.3	.4	.2						12.3	6.7
SSE	.4	7.7	7.0	5.5	.5	.1						20.5	8.6
S	.1	7.8	8.6	3.5	1.5							22.6	8.3
SSW		1.2	1.5	.2	.2							2.7	8.2
SW	.4	1.1	.5	.1								2.1	6.2
WSW	.2	.7	.4									1.3	5.1
W		.5		.2								.8	7.4
WNW		.5	.4	.1		.1						1.1	9.1
NW	.1	1.3	2.5	1.1		.1						5.2	6.4
NNW	.5	1.1	2.3	1.8	.5	.1						6.3	9.9
VARBL													
CALM												7.3	
	5.4	50.3	36.2	20.5	5.9	1.3						100.2	8.7

TOTAL NUMBER OF OBSERVATIONS 824

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK YEARS 73-81 MONTH OCT
 CLASS ALL WEATHER HOURS (L & T) 900-1100
 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	1.0	2.1	4.3	3.0	.7						11.2	13.3
NNE		.2	1.1	2.5	.6	.5						4.9	13.4
NE		.4	1.2	.4	.1	.1						2.5	9.4
ENE		.7	.7	.4								1.9	7.9
E	.1	.2	1.5	.1								2.7	8.0
ESE		.2	1.4	.7								2.3	9.7
SE		.4	1.6	2.0	.5	.1						4.6	11.5
SSE	.2	.8	5.3	7.7	1.4	.1						15.3	11.9
S	.2	2.1	7.5	12.1	3.5	.9						26.2	12.4
SSW		1.1	3.7	3.1	1.4	.2						9.4	11.5
SW	.1	1.1	1.6	2.1	.4							5.3	10.3
WSW		.2	1.1	.2								1.0	6.8
W		.1	.9	.1								1.1	6.2
WNW	.1		1.5	.1	.2							1.5	9.8
NW		.2	1.4	1.5	.2	.4						3.7	12.7
NNW	.1	1.2	1.1	1.9	.9	.4						5.6	11.9
VARBL													
CALM												.9	
	1.1	10.0	33.3	39.2	12.1	3.5						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 639

2

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

21037 WILL ROGERS IAP OR

77-81

701

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER
CLASS

12-1-14-31
HOURS

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	2.7	5.7	3.4	.2						12.8	13.5
NNE		.4	.9	2.7	.6	.1						4.5	13.1
NE	.1	.7	1.3	1.1	.1							3.4	9.4
ENE		.7	.7									1.5	6.5
E		.2	.6									.9	7.1
ESE	.1	1.0	1.7	.6								2.7	8.7
SE	.1	.4	2.3	1.8	.6							5.5	10.9
SSE		.4	2.1	6.1	1.5							17.3	13.0
S	.4	1.3	6.0	13.8	4.9	1.3						27.6	13.4
SSW	.1	.5	2.2	5.7	1.2	.1						9.9	12.5
SW	.1	.5	1.8	3.2	.4							6.1	11.4
WSW		.1	.7	.6	.5							1.9	12.6
W	.1	.7	.6	.2	.1							1.9	8.0
WNW	.1	.4	1.1	.1	.4	.1						2.2	10.4
NW	.1	.5	1.3	.7	.9	.2						3.3	12.1
NNW		.7	1.3	2.1	.6	.1						4.9	12.0
VARBL													
CALM												.4	
	1.3	9.7	26.7	44.5	15.1	2.3						100.3	12.3

TOTAL NUMBER OF OBSERVATIONS 821

2

JOURNAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

12 37 STATION WILL ROGERS IAP OK 73-81 YEARS 007 NORTH
 ALL WEATHER CLASS 1500-1700 HOURS 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	.2	.-	2.7	3.3	2.5	.1						14.4	13.0
NNE		.4	.8	1.6								2.8	10.3
NE	.2	1.2	1.2	1.1	.4	.1						4.2	9.5
ENE	.1	1.5	.8									2.4	5.9
E	.6	.5	.5									1.7	5.7
ESE	.1	.6	1.2	1.1								3.0	9.4
SE		1.7	2.4	2.5	.8							6.8	10.9
SSE		.6	3.3	7.1	1.9							13.0	12.6
S		1.6	7.3	12.2	2.7	.5						24.3	12.4
SSW		.5	2.2	4.8	.8							8.4	12.4
SW		.4	1.1	1.8	.4							3.6	11.8
WSW		.5	1.3									1.8	7.7
W		.3	.4	.4								1.6	7.4
WNW		.4	.7		.2							1.3	8.7
NW		.5	2.1	1.8	1.0	.4						5.7	12.9
NNW	.1	.4	1.5	1.2	.7	.5						4.4	12.6
VARBL												.5	
CALM												.5	
	1.5	11.6	29.4	43.7	11.5	1.7						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: OCT
 CLASS: ALL WEATHER MONTH: 1950-1970
 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		3.5	5.8	5.1	.2	.4						15.1	7.6
NNE		.7	1.7	.4	.1	.1						3.0	7.5
NE	.1	1.1	1.1	.7	.4							3.4	7.3
ENE	.2	1.2	.7									2.2	5.6
E	.2	2.2	1.2	.7								4.4	7.1
ESE	.1	2.2	1.9	.5	.1							4.8	7.5
SE	.4	5.4	7.1	1.9	.4							15.1	7.9
SSE	.4	5.7	7.3	5.3	1.1							14.7	9.1
S	.7	5.2	7.9	3.0	.1							16.9	7.8
SSW	.5	.6	.4	.4								1.8	6.6
SW	.4	.2										.6	3.5
WSW	.1	.6										.7	4.5
W	.2	.4	.1									.7	4.3
WNW		.7	.1	.2	.1							1.2	8.0
NW	.5	1.1	.4	.5	.5	.4						3.3	13.8
NNW	.1	1.7	1.2	1.0	.2							4.2	6.7
VARBL													
CALM												2.8	
	4.0	32.6	36.8	19.7	3.3	.8						100.0	8.2

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: 107537 WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: 1973-81 MONTH: OCT
 CLASS: ALL WEATHER HOURS: 2100-2300
 CONDITION: _____

SPEED KNOTS DIP	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.7	3.6	4.3	.5	.4						1.4	13.7
NNE		.5	.9	1.0	.2							2.7	13.5
NE		1.4	1.5	.1	.2							3.2	7.9
ENE	.1	.9	.9	.1								2.5	6.3
E	.1	1.6	1.5	.2								3.7	6.5
ESE	.2	2.5	1.8	.2	.1							5.1	6.7
SE	.5	5.8	6.2	2.7	.4							15.5	6.7
SSE	.5	5.7	8.0	8.0	1.4	.1						23.7	9.5
S	.5	5.4	5.2	3.1	.2							14.4	6.1
SSW	.1	1.5	.6									2.2	5.9
SW	.2	.9	.1									1.2	4.4
WSW	.1	.2	.1									.5	4.8
W	.2	.1	.2									.6	5.2
WNW	.2	.5	.1									.9	4.6
NW	.4	1.6	.9	.1	.2	.5						4.1	9.6
NNW	.2	1.7	.9	1.0	.5	.1						4.4	9.4
VARBL													
CALM												5.4	
	4.2	31.9	32.4	21.0	3.8	1.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 611

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

27 31
STATION

WILL ROGERS IAP OK
STATION NAME

77-81
YEARS

001
MONTH

ALL WEATHER
CLASS

ALL
HOURLY

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	.2	1.1	3.4	4.7	1.8	.4	.7					12.1	11.9
NNE	.1	.4	1.1	1.5	.3	.1						3.5	11.6
NE	.1	.4	1.2	.6	.2	.7						3.7	9.3
ENE	.1	.8	.7	.1								1.7	6.5
E	.2	.9	1.5	.2								2.2	6.8
ESE	.2	1.2	1.5	.5	.0							3.4	7.8
SE	.3	3.5	4.7	2.3	.4	.1						12.6	8.7
SSE	.4	4.1	6.4	6.3	1.2	.1						18.5	9.3
S	.5	4.7	7.7	7.1	1.8	.4						21.5	10.3
SSW	.3	1.1	1.4	1.9	.5	.1						5.3	10.2
SW	.3	.8	.7	.9	.2							4.5	9.3
WSW	.1	.4	.5	.1	.1							1.2	7.8
W	.2	.4	.3	.1	.7							1.1	6.6
WNW	.1	.5	.5	.1	.2	.7						1.5	6.5
NW	.2	1.1	1.3	.8	.4	.3						4.1	10.4
NNW	.2	1.2	1.5	1.4	.5	.2	.7					5.1	10.4
VARBL													
CALM												2.5	
	3.3	23.6	32.7	28.7	7.4	1.7	.0					174.0	9.6

TOTAL NUMBER OF OBSERVATIONS 5552

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AMAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: NOV
1990-2000
 CLASS: ALL WEATHER MONTH: NOV
 HOURS: 15 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	2.3	3.8	4.3	2.1	.7						12.9	11.5
NNE	.1	.9	1.7	1.6								3.5	9.9
NE		.7	1.1	.5	.1							2.0	9.1
ENE		.1	.8	.3								1.1	8.0
E	.1	.9	.9	.1								2.0	6.7
ESE	.1	.7	.9	.1								2.0	7.2
SE	.6	3.5	4.3	2.4	.1							19.7	6.1
SSE	.6	6.9	5.8	3.9	.1							17.4	6.1
S	1.4	3.1	5.5	4.6	.9	.1						15.7	9.4
SSW	.3	1.5	.9	1.3	.1							4.0	5.2
SW	.3	1.5	.9	.5								2.5	7.5
WSW	.1	.5	.1									.0	5.3
W		.5	1.1	.5	.3	.7						2.9	10.2
WNW		1.3	1.4	.1	.8							3.5	9.4
NW	.3	1.5	3.3	.9	.6							6.5	8.9
NNW		1.5	2.5	1.9	2.1	.4						8.4	12.3
VARBL													
CALM												3.9	
	4.3	26.3	33.5	22.9	7.3	1.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 798

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

SURFACE WINDS

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

STATION: WILL ROGERS TAD OP STATION NAME: WILL ROGERS TAD OP YEARS: 77-81 MONTH: NOV
 CLASS: ALL WEATHER HOURS: 300-0500
 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	.1	4.2	5.7	1.8							14.7	11.8
NNE	.1	.1	.9	1.1	.3							2.9	13.8
NE		.9	.5	.3	.4							2.1	9.8
ENE	.4	.4										.8	4.7
E	.1	.9	.5	.3								1.3	6.9
ESE	.5	.9	1.1									2.4	6.4
SE	.8	4.5	5.5	1.3								11.7	7.4
SSE	.5	3.7	5.6	3.7	.4							13.9	8.8
S	1.7	5.1	5.9	4.1	1.4							17.7	9.7
SSW		1.7	1.1	.6								3.3	7.8
SW		1.7	1.1	.3								2.7	7.3
WSW		.3	.5	.1		.1						1.7	6.0
W	.1	1.1	.6	.6	.3							2.5	5.9
WNW		.5	1.7	.6	.1	.1						3.3	9.4
NW	.3	.9	3.8	1.8	1.0		.1					7.9	10.4
NNW		1.0	2.9	2.7	2.3	.3						9.2	12.4
VARBL												5.9	
CALM													
	3.9	24.6	36.3	22.4	7.9	.5	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 785

FEDERAL BUREAU OF SURVEY
 U.S. DEPARTMENT OF COMMERCE
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 72-P1 YEAR: NOV
 CLASS: ALL WEATHER MONTH: NOV
 HOUR: 600-1800
 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		0.7	4.3	0.1	2.1	0.5						14.1	11.9
NNE	0.1		0.2	0.9	0.1							1.0	11.3
NE	0.1	0.4	0.9	0.4	0.4							2.7	8.9
ENE	0.7	0.6	0.1									1.0	4.9
E	0.1	0.5	0.9	0.1								1.8	6.7
ESE	0.5	1.1	1.5	0.1								2.5	6.7
SE		3.3	4.2	2.5								10.0	8.5
SSE	0.6	3.1	6.2	3.8	0.3	0.1						15.9	8.6
S	1.3	5.9	3.5	4.8	0.9							18.4	8.7
SSW		1.4	0.3	0.9	0.4							2.9	9.4
SW	0.1	1.0	1.1	0.1								3.2	6.6
WSW		1.1	0.4	0.1								1.6	6.7
W	0.4	0.9	0.3	0.6	0.4							2.5	6.7
WNW		1.7	1.1	0.3								2.9	7.5
NW	0.3	1.1	2.7	1.8	1.4	0.1						7.8	11.8
NNW	0.1	1.3	2.4	2.3	1.9	0.3						8.2	12.7
VARBL													
CALM												4.5	
	3.5	10.9	30.1	23.7	7.7	1.5						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 792

FEDERAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/440

SURFACE WINDS

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

STATION 3 WILL ROGERS IAP OK STATION NAME 73-91 YEARS NOV MONTH
 ALL WEATHER CLASS 1970-1175 HOURS U.S.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		1.8	3.7	7.9	7.4	.3						18.3	12.7
NNE		.6	1.4	2.7	.3	.1						5.1	11.1
NE	.1	.4	.8	.9								4.4	8.5
ENE		.4	.6	.1								1.1	7.5
E	.1	.7	.9	.1								1.8	7.8
ESE	.1	.7	.6	.4								1.4	5.4
SE	.1	1.7	3.1	1.6								5.1	8.5
SSE	.1	1.7	5.4	5.3	.6							13.2	13.3
S	.3	2.3	6.0	3.1	2.2	.3						19.0	11.5
SSW		1.4	1.9	2.5	1.5	.4						7.7	12.2
SW		.6	1.5	1.7	.1							3.3	12.3
WSW		.3	.9	.8	.5							2.4	11.5
W	.3	.1	1.1	1.0	.1							2.5	9.7
WNW		.1	1.3	.8	.1	.3						3.0	11.3
NW	.1	.5	1.9	2.2	2.5	.5						7.5	13.2
NNW		.6	2.4	4.7	1.4	.6						9.5	13.1
VARBL													
CALM												1.1	
	1.1	12.9	34.0	36.1	12.3	2.4						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 789

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20540
 AIR WEATHER SERVICE/MA

SURFACE WINDS

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

WILL ROGERS IAP 04
STATION NAME

73-91
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1100-1400
HOURS, U.S.T.

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		1.7	4.7	5.8	2.9	.3						14.9	12.5
NNE		.4	1.1	1.8	.5	.1						2.9	11.7
NE		.4	1.4	.6								2.4	9.5
ENE		.7	.5	.1								1.1	5.4
E	.4		1.7									1.4	6.7
ESE		.1	.5	.1								1.5	7.5
SE	.1	.4	2.5	1.3								4.3	9.5
SSE		.4	4.1	5.3	.8							10.5	11.5
S	.1	1.7	4.7	9.7	3.4	.5						15.8	13.0
SSW		.4	1.3	2.4	2.5	.1						7.4	13.7
SW		.5	1.5	2.3	.9							4.7	12.4
WSW		.3	.4	1.3		.1						2.4	11.7
W	.1	.4	1.6	1.1		.3						4.1	9.3
WNW		.4	1.6	2.7	.3	.1						4.7	13.3
NW		.3	2.3	1.9	1.4	.6						5.7	13.1
NNW		.4	1.5	4.0	3.4	.5						13.0	14.5
VARBL												.0	
CALM												.0	
	.3	9.5	30.5	34.0	16.3	2.9						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

793

FEDERAL BUREAU OF SURVEY
 NATIONAL BUREAU OF METEOROLOGY
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS TAP STATION NAME: 73-81 YEARS: NOV
 CLASS: ALL WEATHER MONTH: NOV
 CONDITION: _____

SPEED KNT DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.0	2.7	6.8	1.4	.4						14.3	11.9
NN			.6	.6	.1							1.9	10.1
NE	.7		1.2	.8								2.8	8.8
ENE	.1	.1	1.1	.3	.1							1.8	7.6
E	.1		1.3	.3								2.2	7.7
ESE	.3	.3	.4	.1								1.3	6.3
SE	.1	1.7	3.1	1.0	.3							6.1	6.7
SSE		1.1	4.7	6.9	1.3							11.2	11.4
S		1.3	5.7	6.3	2.6	.5						13.4	12.4
SSW	.7	.5	1.8	2.7	.9							7.5	11.4
SW		.3	2.3	1.4	.3							3.1	10.3
WSW	.1	.3	1.1	.9								2.7	9.1
W	.2	.3	1.4	.5	.1							2.6	9.2
WNW	.1	.3	.8	1.1	.8	.1						3.4	11.6
NW	.1	1.6	1.1	3.1	1.7	.3						7.8	12.5
NNW		1.7	2.7	4.5	3.2	.5						12.1	13.7
VARBL													
CALM												1.3	
	1.9	13.2	32.7	36.5	12.6	1.8						170.0	11.2

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)

STATION: WILL ROGERS TAP OK STATION NAME: 73-81 YEARS: _____
 CLASS: ALL WEATHER MONTH: NOV
 HOUR: 18 00-2100 HOURS: 18 00
 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	.7	4.6	6.5	3.6	2.1	.5						17.6	10.4
NNE		1.0	1.3	.5	.1							2.9	6.3
NE	.1	1.7	1.7	.5								3.5	6.9
ENE	.3	.9	1.1	.1								2.4	6.0
E		.5	.9	.1								1.9	7.0
ESE		2.3	1.3	.1								3.4	6.6
SE		3.6	5.3	1.8								15.7	7.9
SSE	.4	4.5	6.4	4.1	.4							15.6	6.6
S	1.0	3.3	5.8	1.9	.9							12.0	6.6
SSW	.1	1.5	1.5	.1								3.4	6.8
SW			.8									.3	6.5
WSW	.1	.0	.1	.9	.3							2.1	6.7
W	.3	.5	.7	.5								1.5	6.2
WNW	.1	.5	.5	.4	.1							1.9	6.3
NW	.1	1.4	1.0	2.3	.4	.1						5.3	10.3
NNW	.1	1.9	3.9	2.0	2.3	.4						10.5	11.4
VARBL													
CALM												3.4	
	2.9	24.5	37.5	15.9	6.5	1.1						120.0	6.7

TOTAL NUMBER OF OBSERVATIONS 797

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 FEDERAL WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION: VILL ROBERTS IAP OK STATION NAME: 77-81 YEARS: NOV
 MONTH: 11 DATE: 0-2300
 CLASS: ALL WEATHER HOURS: 1500
 CONDITION: _____

SPEED KNOTS 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	.1	2.1	5.5	4.3	2.4	.3						14.7	11.4
NNE	.3	1.7	1.6	.5	.1							3.5	5.7
NE	.1	1.0	1.7	.4								3.4	7.4
ENE		1.0	1.7	.3								2.3	7.7
E		1.4	1.3	.6								3.3	7.7
ESE	.1	1.4	1.6	.1								3.3	7.0
SE	.2	4.7	4.5	1.8								11.2	7.5
SSE	.5	4.7	7.7	3.7	.5							17.7	6.6
S	.5	4.7	4.9	3.8	.9	.3						15.1	7.3
SSW	.3	.9	1.6	.1								3.4	7.5
SW	.2	.5	.6									1.4	6.3
WSW	.1	.8	.3	.3		.7						1.6	7.8
W		.4	.9	.3	.1	.7						1.7	13.7
WNW	.1	.2	.9	.8	.3	.3						2.3	9.3
NW		1.0	2.3	.8	.8	.3						5.2	10.1
NNW		.6	2.6	1.8	1.7	.3						5.3	12.2
VARBL													
CALM												3.9	
	2.6	26.8	39.3	19.8	6.0	.5						10.4	8.8

TOTAL NUMBER OF OBSERVATIONS

794

2

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION WILL ROGERS IAP OK STATION NAME

73-81 YEARS

NOV MONTH

ALL WEATHER CLASS

ALL HOURS OF DAY

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	4.5	4.8	2.3	.3						14.1	11.7
NNE	.1	.5	1.1	1.2	.2	.2						3.2	10.0
NE	.1	.7	1.1	.5	.1							2.5	8.3
ENE	.1	.7	.7	.1	.2							1.5	7.2
E	.1	.7	.9	.2								2.1	7.3
ESE	.2	.9	1.0	.1								2.2	6.9
SE	.2	2.9	3.9	1.7								8.3	6.1
SSE	.3	3.6	5.6	4.3	.5	.7						14.4	9.3
S	.7	3.3	5.2	5.6	1.6	.2						18.7	10.4
SSW	.1	1.2	1.3	1.3	.7	.1						4.7	10.5
SW	.1	.8	1.2	.7	.2							3.0	9.3
WSW	.1	.3	.5	.5	.1	.1						1.9	9.6
W	.2	.5	.9	.6	.2	.1						2.5	9.4
WNW	.1	.3	1.2	.6	.3	.1						3.2	9.9
NW	.1	1.1	2.3	1.8	1.2	.3	.0					8.3	11.4
NNW	.3	1.1	2.7	3.7	2.2	.4						9.4	12.7
VARBL												2.8	
CALM													
	2.7	21.6	34.3	27.4	9.6	1.6	.3					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

6331

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAD

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: DEC MONTH: 000-000 HOURS (LST):
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	2.1	3.7	5.6	2.8	1.3	.1					10.7	12.9
NNE		1.3	.7	2.5		.1						4.2	10.1
NE		.2	.7	.6								1.5	10.5
ENE		.7										.7	5.2
E		.9	.9									1.7	6.6
ESE	.5	1.3	.6	.2								2.4	6.5
SE		2.7	4.2	1.3	.1							3.3	6.3
SSE	.5	3.9	6.6	3.5	.4							15.0	8.7
S	1.5	3.9	7.7	5.4	1.6	.1						17.7	9.8
SSW	.1	1.6	.4	.7	.4							3.2	8.6
SW	.5	1.6	1.7	.2								4.0	6.5
WSW	.1	.6	.2	.1								1.3	5.8
W		.6	.7	.9								2.2	9.5
WNW	.2	1.3	1.7	.4	.1							3.8	7.6
NW	.1	.9	2.7	1.2	.2							5.1	9.1
NNW	.2	.9	2.1	2.3	1.3	.9						7.7	12.9
VARBL												2.3	
CALM													
	3.3	24.9	34.6	25.5	7.0	2.4	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 819

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

12 037 STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS DEC MONTH
ALL WEATHER CLASS 300-1500 HOURS (LST) CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.1	4.8	4.7	4.2	.6	.1					10.5	13.2
NNE		1.7	1.1	1.0	.1							3.2	9.1
NE		.7	.5	.6								2.0	8.6
ENE	.1	.0	.4									1.1	5.9
E	.4	.5	.5	.1								1.9	6.7
ESE		1.2	.2	.1								1.6	6.4
SE		2.7	3.9	1.0	.1							7.0	8.3
SSE	.1	4.8	7.6	4.5	.1							17.1	8.5
S	.5	3.0	7.0	5.2	1.6							18.3	10.3
SSW	.1	1.7	1.2	.2								3.4	6.6
SW	.1	1.7	1.2	.9								3.2	6.5
WSW		.6	.9	.2								1.7	7.1
W	.1	.7	.5	.7								2.1	7.8
WNW		1.7	1.2									2.2	6.7
NW		1.7	3.2	1.4	.4							6.0	9.6
NNW		1.4	2.5	3.0	1.9	.6						9.3	12.6
VARBL													
CALM												3.4	
	1.5	23.7	36.9	24.7	8.4	1.2	.1					100.1	9.5

TOTAL NUMBER OF OBSERVATIONS 805

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72753 STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS DEC MONTH 630-1870 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.7	2.8	5.1	4.1	1.7	.1					15.7	14.2
NNE	.2	.7	.6	.7	.4							2.7	9.6
NE		.4	1.1	.1								1.6	7.6
ENE		.7	.6	.1								1.7	7.9
E		1.2	.2	.2								1.7	6.6
ESE		1.2	1.7									2.2	6.6
SE		2.5	2.5	1.5	.2							7.7	9.2
SSE	.1	3.6	7.6	3.9	.6							15.9	9.2
S	.1	4.1	5.8	7.3	1.6							18.8	10.4
SSW	.2	.6	1.3	.6	.1							2.9	8.8
SW	.1	2.5	.4	.1								3.2	5.9
WSW	.5	.6	.5									1.6	5.2
W	.1	.7	.7	.5								2.1	7.6
WNW		1.7	.6	.8	.2							2.7	9.4
NW	.4	1.6	3.8	1.6	.2	.1						7.6	8.9
NNW	.4	1.1	3.4	3.3	1.7	.2						10.1	11.8
VARBL													
CALM												3.4	
	2.4	23.3	33.0	26.8	9.2	1.7	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 824

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WILL ROGERS IAP OK STATION NAME: WILL ROGERS IAP OK YEARS: 73-81 MONTH: DEC
 CLASS: ALL WEATHER PERIOD: 1980-1180
 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	.4	1.1	3.3	5.3	3.9	1.7	.4					10.1	14.7
NNE	.1		.7	1.7	.5	.4						3.4	13.7
NE		.7	.5	.2								1.5	8.3
ENE	.2	1.1	1.0									2.2	6.1
E		.6	.5	.5								1.6	8.7
ESE		.5	.9	.1								1.5	7.4
SE	.1	.7	2.9	1.6	.2							5.6	9.8
SSE	.1	1.5	4.4	4.2	1.2							10.9	11.3
S	.6	2.5	4.4	8.3	4.0	.5						20.3	12.2
SSW		1.7	2.9	2.8	.2	.2						7.2	11.2
SW	.1	.4	1.7	1.2	.1							3.6	9.7
WSW		1.5	1.2	.4								2.6	8.1
W		.4	1.0	.1								1.5	8.1
WNW	.1	.4	1.7	.7	.4	.2						3.6	10.8
NW	.2	.5	2.2	3.1	.9	.5						7.4	12.1
NNW	.2	1.7	1.2	5.3	1.6	.6	.1					10.0	13.4
VARBL													
CALM												1.1	
	2.3	12.6	30.6	35.5	13.1	4.2	.5					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 816

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 12185 WILL ROGERS IAP OK STATION NAME 73-91 YEARS DEC MONTH 1913-1400 HOURS (LST) 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	1.0	3.1	5.0	6.9	1.3						15.0	15.3
NNE		.5	.6	.4								1.4	5.3
NE	.1	.7	1.3	.7								2.9	6.5
ENE	.1	.1	.2									.5	5.5
E		.7	.2	.1								1.1	6.4
ESE	.1	.7	.6	.5								1.9	7.8
SE	.1	.3	1.6	1.7	.6							4.3	10.6
SSE		.7	2.8	3.4	1.0	.2						8.1	12.7
S	.2	.4	2.3	5.1	4.0	.4	.5					17.3	14.1
SSW		.7	2.2	4.2	2.1	.2	.1					9.5	13.6
SW	.1	.2	1.6	2.9	.1		.1	.1				5.2	12.3
WSW		.4	1.0	.5	.1							1.9	9.5
W	.1	.3	1.4	.7	.4	.1						3.5	10.1
WNW	.1	1.0	1.7	1.7								4.5	9.3
NW		.2	1.4	3.4	1.2	.7	.1					7.1	14.3
NNW	.1	.5	2.3	4.6	3.7	.8	.2					11.7	14.7
VARBL												.4	
CALM													
	1.3	10.1	24.4	39.8	19.3	4.5	1.1	.1				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

828

JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AD WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 12 03 WILL ROGERS IAP OK STATION NAME 73-81 YEARS DEC MONTH 1970-1970 HOURS 1877
ALL WEATHER CLASS
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		1.0	3.6	6.3	4.9	1.7	.1					17.6	14.9
NNE	.1	.2	.8	1.1	.1							2.4	13.3
NE	.2	1.0	.6	.4	.2							2.4	8.7
ENE	.1	.4	.4	.1								1.0	6.5
E	.7	.5	.2	.1								1.2	6.1
ESE	.1	.5	.4	.2								1.3	7.1
SE	.2	1.7	2.4	2.2	.2							6.3	9.1
SSE	.1	2.2	3.7	4.2	.8							10.4	13.4
S	.1	1.5	4.5	7.6	2.8	.6						17.2	12.4
SSW	.1	.4	1.9	2.2	1.1	.2		.1				6.1	12.5
SW		.5	1.9	1.9	.2							4.7	13.4
WSW	.1	.7	.7	.6								2.2	8.6
W	.2	.5	2.1	.6	.1	.2						3.3	9.9
WNW		.4	1.1	.8	.2	.1						2.7	11.1
NW	.4	.6	1.7	1.8	1.1	.5						6.1	12.4
NNW		.4	2.9	5.7	4.1	.6						13.2	14.2
VARBL													
CALM												.8	
	2.2	12.7	28.4	35.6	16.0	4.0	.1	.1				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
41 WEATHER SERVICE/MAC

SURFACE WINDS

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

1973 STATION WILL ROUSERS IAP OK STATION NUMBER 73-61 YEARS MONTH DEC 1973-1973 HOURS 0000

ALL WEATHER CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.3	5.5	5.5	4.8	1.2						25.2	12.7
NNE			1.5	.6								4.5	4.4
NE	.1	1.5	2.4	.1								4.1	6.9
ENE		.7	1.1									1.5	7.1
E	.1	1.7	.7									2.5	5.7
ESE	.4	2.6	1.3	.2								4.1	6.7
SE	.2	3.4	4.5	1.2	.1							9.5	7.8
SSE	.5	3.3	3.9	5.5	.1							13.3	7.5
S	.3	2.9	6.5	3.2	.2	.1						15.6	8.7
SSW		.7	.6	.4		.1						1.5	6.3
SW		.1	.4									.5	6.3
WSW		1.2	.6									1.5	5.1
W	.2	1.1	.5	.2								2.2	6.7
WNW	.4	.7	.5	.7								2.4	7.8
NW	.1	2.1	1.6	.9	.5	.1						5.2	9.2
NNW		1.5	3.3	2.9	1.6	.5						9.9	12.2
VARBL													
CALM												3.3	
	2.7	25.9	37.1	21.4	7.3	2.2						129.0	9.2

TOTAL NUMBER OF OBSERVATIONS 421

FEDERAL CLIMATOLOGY BRANCH
AFETAC
ALL WEATHER SERVICE/MAL

SURFACE WINDS

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

STATION: WACE ROVER, TAP OF
STATION NAME

197-81

YEARS

DATE

ALL WEATHER
CLASS

197-207
WIND SPEED

LOCATION

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	.1	2.0	4.1	5.4	3.6	1.5						17.6	13.3
NNE		.1	1.3	1.2	.5							4.2	13.7
NE		1.8	1.2	.5								3.7	7.4
ENE		1.1	.2	.1								1.4	6.0
E		1.1	1.4									2.5	7.0
ESE	.1	1.4	1.0									2.5	5.7
SE		3.5	4.3	1.1	.2							9.2	7.5
SSE	.4	4.1	7.4	4.5	.9							17.5	9.7
S	.1	3.4	6.6	3.2	.5							14.4	9.0
SSW		1.7	2.7	.7	.2							4.7	6.7
SW	.1	1.0	.9	.2								2.2	7.1
WSW		.8	.5									1.1	6.7
W	.1	1.0	.2									1.4	5.3
WNW		1.0	.5	.2								1.4	6.4
NW	.1	1.4	2.7	.7	.2	.2						5.4	9.0
NNW	.1	.9	1.8	2.7	.5	1.5						7.0	13.6
VARBL													
CALM												3.7	
	1.2	27.1	36.8	21.9	6.8	3.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

617

2

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAL

SURFACE WINDS

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

STATION WILL ROGERS IAP OK

73-81

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS U.S.T.

CONDITION

SPEED KNT G.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	1.1	4.6	5.7	4.4	1.4	.1					17.3	17.4
NNE	.1	.9	.9	1.1	.2	.1						1.9	1.4
NE	.1	.4	1.1	.4	.7							2.5	2.2
ENE	.1	.6	.5	.0								1.2	1.1
E	.1	1.0	.6	.1								1.8	1.7
ESE	.1	1.2	.7	.2								2.2	2.0
SE	.1	2.2	3.3	1.5	.2							7.3	6.6
SSE	.7	3.1	5.4	4.2	.6	.3						13.5	9.6
S	.4	2.3	5.8	5.3	2.1	.2	.1					17.7	10.9
SSW	.1	1.1	1.6	1.5	.5	.1	.1	.3				4.9	3.8
SW	.1	.3	1.2	.9	.1	.1	.3	.3				3.3	2.8
WSW	.1	.7	.7	.2	.2							1.5	1.4
W	.1	.7	.9	.5	.1	.1						2.4	2.2
WNW	.1	.9	1.1	.7	.1	.3	.3					3.1	2.9
NW	.7	1.0	2.4	1.8	.6	.3	.3	.3				6.2	3.8
NNW	.1	.9	2.4	3.7	2.7	.7	.7					10.3	5.3
VARBL												2.2	
CALM													
	0.1	20.0	32.7	28.8	10.9	2.9	.3	.7				100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

5252

FEDERAL BUREAU OF SURVEY
 METAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION NAME: WIDE OVER LAP OF YEARS: 77-81
 ALL WEATHER CLASS
 MONTH: ALL
 HOURS OF DAY: ALL
 CONDITION: _____

DIRECTION	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	%	MEAN WIND SPEED
N	.1	1.6	3.5	4.4	1.8	.6	.1	.0			1.5	12.1
NNE	.1	.2	1.2	1.2	.2	.1	.1				1.2	13.3
NE	.1	.1	1.3	.9	.1	.1	.1				3.5	8.9
ENE	.1	.1	1.1	.4	.2	.1	.1				2.4	7.1
E	.2	1.2	1.4	.6	.1	.1	.1				3.3	7.8
ESE	.2	1.5	1.6	.6	.1	.1	.1				3.5	7.8
SE	.3	3.1	4.1	2.1	.3	.1	.1				4.5	8.1
SSE	.4	3.4	6.2	5.2	.8	.1	.1	.1			15.1	9.7
S	.4	3.3	5.5	7.8	2.1	.2	.2	.1			12.5	11.1
SSW	.1	.1	1.3	1.8	.6	.1	.1	.1			4.5	11.2
SW	.2	.7	.9	.8	.2	.1	.1	.1	.1		7.7	7.5
WSW	.1	.1	.5	.3	.1	.1	.1	.1			1.5	6.9
W	.1	.1	.5	.3	.1	.1	.1	.1	.1		1.7	5.5
WNW	.1	.1	.5	.4	.1	.1	.1	.1	.1		1.7	7.3
NW	.1	.1	1.2	1.0	.5	.3	.1	.1	.1		4.2	11.6
NNW	.1	.1	1.4	1.8	1.1	.4	.1	.1	.1		5.5	12.7
VARIE												
CALM											2.5	
TOTAL	2.7	21.3	33.5	29.4	8.3	2.0	.2	.0			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 77321

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 WASHINGTON, D.C. 20540

SURFACE WINDS

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

STATION: WILL TOWER IAP CA STATION NAME: 73-61 YEARS: ALL MONTH
 INSTRUMENT: CIG 100 TO 1400 FT. W/ VSBY 1/2 MI OR MORE,
 CLASS: AND/OR VSBY 1/2 TO 4-1/2 MI W/ CIG 200 FT OR MORE CONDITION: ALL MONTHS

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	1.7	5.5	11.4	4.6	1.5	.3					24.5	12.7
NNE	.1	.1	1.8	2.7	.1	.7						4.0	12.5
NE	.1	.1	2.7	1.2	.5	.7						4.1	9.1
ENE	.1	.7	1.3	.5	.1	.1						2.8	5.4
E	.1	.7	1.8	1.7	.1	.1						3.7	5.7
ESE	.7	1.7	1.4	1.2	.2	.7						4.0	7.7
SE	.1	1.7	2.4	3.6	.7	.7						8.3	11.3
SSE	.2	1.4	3.4	3.3	.9	.7						11.3	11.3
S	.7	1.4	3.6	3.8	1.5	.1						12.7	11.5
SSW	.1	.4	.8	.4	.2	.7						1.5	7.9
SW	.1	.7	.5	.2	.1	.7	.3	.3				1.1	7.5
WSW	.1	.7	.4	.2	.1	.2						.9	5.5
W	.1	.4	.3	.1	.1	.1						1.2	5.4
WNW	.1	.3	.5	.3	.2	.1						1.4	11.2
NW	.1	.6	.6	1.4	.8	.5	.1					4.1	14.3
NNW	.1	.7	1.5	4.6	2.7	1.1	.2	.3				11.4	14.7
VARBL												2.7	
CALM												2.7	
TOTAL	1.4	11.7	28.4	39.2	12.7	3.7	.7	.1				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

7480

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	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq \frac{1}{8}$	≥ 0	
NO CEILING																	
1800																	
1500					91.0												92.6
1200																	
1000																	
900																	
800																	
700																	
600																	
500										97.4							98.1
400																	
300																	
200																	
100					95.4		96.9			98.3							
0																	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.

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILLIAMS AFB, OK

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-3202

57.2	56.7	57.2	57.4	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
57.1	61.2	61.7	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
57.3	61.5	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
57.5	61.5	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
57.6	61.5	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
57.1	63.3	63.8	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
61.7	66.1	66.5	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
62.3	67.1	67.4	67.8	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
63.5	68.3	68.8	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
64.1	69.0	69.5	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
64.5	69.6	70.1	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
64.5	69.8	70.2	70.6	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
65.2	70.9	71.5	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
65.6	71.2	72.0	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
66.7	72.4	73.2	73.5	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
67.2	74.4	75.1	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
70.1	76.6	77.4	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
71.1	78.3	78.9	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
71.1	78.2	79.0	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
71.3	78.8	79.5	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
72.9	82.7	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
77.4	83.2	84.3	85.1	85.2	85.5	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
73.7	83.5	84.9	85.7	86.0	86.2	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
73.9	84.5	85.6	86.9	86.8	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
73.9	85.6	87.0	87.9	88.3	88.5	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
74.1	86.2	87.6	88.7	89.1	89.4	89.5	89.5	89.5	89.5	89.9	89.9	89.9	89.9	89.9	89.9
74.1	86.3	88.2	89.6	90.2	90.5	90.6	90.7	90.7	90.7	91.1	91.2	91.2	91.2	91.2	91.2
74.1	86.7	88.9	91.0	91.8	92.1	92.3	92.6	92.6	92.6	93.2	93.3	93.3	93.3	93.3	93.3
74.1	86.7	88.9	91.5	92.2	92.4	92.8	93.0	93.0	93.0	94.4	94.5	94.5	94.5	94.5	94.5
74.1	86.5	89.1	91.0	92.6	92.9	93.4	93.8	93.8	93.8	95.9	96.0	96.0	96.0	96.0	96.0
74.1	86.8	89.1	91.6	92.6	92.9	93.4	93.8	93.8	93.8	95.9	96.1	96.1	97.2	97.4	98.3
74.1	86.8	89.1	91.6	92.6	92.9	93.4	93.8	93.8	93.8	95.9	96.1	96.1	97.2	97.4	98.3

TOTAL NUMBER OF OBSERVATIONS 320

USAF CLIMATOLOGY BRANCH
ETAC
WATKINS SERVICE/MAO

CEILING VERSUS VISIBILITY

WATKINS SERVICE/MAO

73-61

1951

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-0500

56.1	56.2	56.4	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.5	57.5	57.5	57.7	57.7	57.8	57.9
57.4	61.0	61.2	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.5	62.5	62.6	62.7
61.4	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.5	62.5	62.6	62.7
67.4	61.1	61.2	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.5	62.5	62.6	62.7
67.7	61.2	61.5	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.7	62.7	62.8	62.9
68.0	62.5	62.7	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8	63.6	63.9	63.9	64.2	64.2
68.1	64.9	65.2	65.6	65.9	65.9	65.9	65.9	65.9	65.9	66.3	66.3	66.3	66.4	66.4	66.5	66.5
68.4	65.2	65.4	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.6	66.7	66.9
68.7	66.9	67.1	67.6	67.9	67.9	67.9	67.9	67.9	67.9	68.2	68.2	68.2	68.3	68.3	68.5	68.5
68.8	67.1	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.5	68.5	68.5	68.6	68.6	68.7	68.8
68.9	67.4	67.5	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.8	68.8	69.0	69.1
69.0	68.2	68.5	69.0	69.2	69.2	69.3	69.3	69.3	69.3	69.7	69.7	69.7	69.8	69.8	69.9	70.1
69.1	69.1	69.3	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6	70.7	70.7	70.8	70.9
69.2	69.4	69.8	70.3	70.6	70.6	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.2	71.2	71.3	71.4
69.3	70.7	71.0	71.5	71.8	71.8	71.9	71.9	71.9	71.9	72.3	72.3	72.3	72.4	72.4	72.5	72.6
69.4	72.1	72.5	73.0	73.3	73.3	73.4	73.4	73.4	73.4	73.7	73.7	73.7	73.9	73.9	74.0	74.1
69.5	74.6	75.0	75.5	75.7	75.7	76.0	76.0	76.0	76.0	76.3	76.3	76.3	76.4	76.4	76.5	76.7
69.6	75.5	75.7	76.4	76.7	76.7	76.9	76.9	76.9	76.9	77.3	77.3	77.3	77.4	77.4	77.5	77.7
69.7	76.0	76.5	77.1	77.3	77.3	77.5	77.5	77.5	77.5	77.9	77.9	77.9	78.0	78.0	78.2	78.3
69.8	77.2	77.9	78.4	78.7	78.7	78.9	78.9	78.9	78.9	79.3	79.3	79.3	79.4	79.4	79.5	79.6
69.9	79.8	80.5	81.0	81.2	81.2	81.5	81.6	81.6	82.0	82.0	82.0	82.0	82.1	82.1	82.2	82.3
70.0	82.0	82.3	83.3	83.6	83.7	83.9	84.0	84.0	84.4	84.5	84.5	84.5	84.7	84.7	84.8	84.9
70.1	82.9	84.7	84.5	84.8	85.0	85.3	85.4	85.4	85.9	86.0	86.0	86.0	86.1	86.1	86.3	86.4
70.2	83.3	84.4	84.9	85.2	85.4	85.6	85.8	85.8	86.3	86.4	86.4	86.5	86.5	86.5	86.6	86.7
70.3	83.9	85.4	85.9	86.1	86.4	86.5	86.7	86.7	87.2	87.4	87.4	87.5	87.5	87.6	87.7	87.7
70.4	85.2	86.6	87.1	87.6	87.9	88.1	88.2	88.2	88.7	88.8	88.8	89.0	89.0	89.1	89.2	89.2
70.5	85.6	87.2	88.2	88.7	89.0	89.4	89.6	89.6	90.2	90.3	90.3	90.4	90.4	90.6	90.7	90.7
70.6	85.8	87.5	89.0	89.7	89.9	90.6	90.7	90.7	91.3	91.4	91.4	91.5	91.5	91.7	91.8	91.8
70.7	85.9	87.6	89.7	90.4	90.8	91.4	91.7	91.7	92.3	92.5	92.5	93.0	93.0	93.1	93.3	93.3
70.8	85.9	87.6	89.7	90.6	90.9	91.8	92.0	92.0	93.0	93.5	93.5	94.7	94.7	94.8	95.0	95.0
70.9	85.9	87.6	89.7	90.6	90.9	91.8	92.0	92.0	93.1	94.0	94.0	95.6	95.6	95.7	96.3	97.3
71.0	85.9	87.6	89.7	90.6	90.9	91.8	92.0	92.0	93.1	94.0	94.0	95.6	95.6	95.7	96.3	97.3

TOTAL NUMBER OF OBSERVATIONS 615

FEDERAL BUREAU OF SURVEY
METEOROLOGICAL SERVICE
WALL ROVERS IAP, OK

CEILING VERSUS VISIBILITY

WALL ROVERS IAP, OK

73-81

244

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-2600

47.3	51.6	51.9	52.5	52.7	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.3	53.7	53.4	53.9
48.7	53.1	53.5	54.1	54.2	54.2	54.4	54.7	54.7	54.7	54.7	54.9	54.9	55.0	55.0	55.0
49.2	53.1	53.5	54.2	54.3	54.3	54.5	54.8	54.8	54.8	54.8	54.8	55.0	55.0	55.1	55.0
49.7	53.5	54.9	54.5	54.7	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.5	55.1
50.1	53.7	55.1	54.7	54.9	54.9	55.1	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.7	55.7
50.1	52.2	52.7	53.5	53.4	53.4	53.6	53.9	53.9	53.9	53.9	53.9	54.1	54.1	54.3	54.7
50.4	52.4	52.9	53.5	53.6	53.6	53.9	54.1	54.1	54.1	54.1	54.1	54.4	54.4	54.5	55.1
50.1	53.3	53.8	54.4	54.5	54.5	54.7	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.7	55.8
50.5	53.9	54.4	55.1	55.2	55.2	55.5	55.7	55.7	55.7	55.7	55.7	55.9	55.9	56.1	56.1
50.5	54.4	54.4	55.6	55.7	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.5	57.0
50.4	55.3	56.3	57.0	57.1	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.9	57.9	58.0	58.5
50.4	56.9	57.4	58.2	58.4	58.4	58.6	58.8	58.8	58.8	58.8	58.8	59.1	59.1	59.2	59.7
50.7	57.8	58.2	59.1	59.2	59.2	59.4	59.7	59.7	59.7	59.8	59.8	60.0	60.0	60.2	60.7
51.4	58.6	59.1	59.9	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.7	60.7	60.9	61.0	61.5
52.2	59.7	60.3	61.3	61.4	61.4	61.6	61.9	61.9	61.9	62.0	62.0	62.2	62.2	62.3	62.5
53.1	60.7	61.3	62.2	62.3	62.3	62.6	62.8	62.8	62.8	62.9	62.9	63.2	63.2	63.3	63.5
54.1	62.3	62.6	63.6	63.8	63.8	64.1	64.3	64.3	64.3	64.4	64.4	64.6	64.6	64.8	65.2
55.1	63.1	63.7	64.6	64.9	64.9	65.1	65.4	65.4	65.4	65.5	65.5	65.7	65.7	65.8	65.3
55.7	64.3	65.2	66.2	66.4	66.4	66.7	66.9	66.9	66.9	67.1	67.1	67.3	67.3	67.4	67.9
56.7	65.3	66.2	67.0	67.4	67.4	67.6	67.8	67.8	67.8	67.9	67.9	68.2	68.2	68.5	68.2
56.5	66.3	67.0	67.9	68.2	68.2	68.4	68.6	68.6	68.6	68.8	68.8	69.1	69.1	69.2	69.7
57.4	67.8	68.2	69.1	69.2	69.2	69.4	69.7	69.7	69.7	69.8	69.8	70.0	70.0	70.2	70.7
58.1	68.6	69.1	69.9	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.7	70.7	70.9	71.0	71.5
58.2	69.7	70.3	71.3	71.4	71.4	71.6	71.9	71.9	71.9	72.0	72.0	72.2	72.2	72.3	72.5
58.1	70.7	71.3	72.2	72.3	72.3	72.6	72.8	72.8	72.8	72.9	72.9	73.2	73.2	73.3	73.5
58.1	72.3	72.6	73.6	73.8	73.8	74.1	74.3	74.3	74.3	74.4	74.4	74.6	74.6	74.8	75.2
58.1	73.1	73.7	74.6	74.9	74.9	75.1	75.4	75.4	75.4	75.5	75.5	75.7	75.7	75.8	75.3
58.7	74.3	75.2	76.2	76.4	76.4	76.7	76.9	76.9	76.9	77.1	77.1	77.3	77.3	77.4	77.9
58.7	75.3	76.2	77.0	77.4	77.4	77.6	77.8	77.8	77.8	78.0	78.0	78.2	78.2	78.5	78.2
58.7	76.3	77.2	78.0	78.4	78.4	78.6	78.8	78.8	78.8	79.0	79.0	79.2	79.2	79.5	79.2
58.7	77.1	78.0	78.9	79.3	79.3	79.5	79.7	79.7	79.7	79.8	79.8	80.0	80.0	80.3	80.2
58.7	78.1	79.0	79.9	80.3	80.3	80.5	80.7	80.7	80.7	80.8	80.8	81.0	81.0	81.3	81.2
58.7	79.1	80.0	80.9	81.3	81.3	81.5	81.7	81.7	81.7	81.8	81.8	82.0	82.0	82.3	82.2
58.7	80.1	81.0	81.9	82.3	82.3	82.5	82.7	82.7	82.7	82.8	82.8	83.0	83.0	83.3	83.2
58.7	81.1	82.0	82.9	83.3	83.3	83.5	83.7	83.7	83.7	83.8	83.8	84.0	84.0	84.3	84.2
58.7	82.1	83.0	83.9	84.3	84.3	84.5	84.7	84.7	84.7	84.8	84.8	85.0	85.0	85.3	85.2
58.7	83.1	84.0	84.9	85.3	85.3	85.5	85.7	85.7	85.7	85.8	85.8	86.0	86.0	86.3	86.2
58.7	84.1	85.0	85.9	86.3	86.3	86.5	86.7	86.7	86.7	86.8	86.8	87.0	87.0	87.3	87.2
58.7	85.1	86.0	86.9	87.3	87.3	87.5	87.7	87.7	87.7	87.8	87.8	88.0	88.0	88.3	88.2
58.7	86.1	87.0	87.9	88.3	88.3	88.5	88.7	88.7	88.7	88.8	88.8	89.0	89.0	89.3	89.2
58.7	87.1	88.0	88.9	89.3	89.3	89.5	89.7	89.7	89.7	89.8	89.8	90.0	90.0	90.3	90.2
58.7	88.1	89.0	89.9	90.3	90.3	90.5	90.7	90.7	90.7	90.8	90.8	91.0	91.0	91.3	91.2
58.7	89.1	90.0	90.9	91.3	91.3	91.5	91.7	91.7	91.7	91.8	91.8	92.0	92.0	92.3	92.2
58.7	90.1	91.0	91.9	92.3	92.3	92.5	92.7	92.7	92.7	92.8	92.8	93.0	93.0	93.3	93.2
58.7	91.1	92.0	92.9	93.3	93.3	93.5	93.7	93.7	93.7	93.8	93.8	94.0	94.0	94.3	94.2
58.7	92.1	93.0	93.9	94.3	94.3	94.5	94.7	94.7	94.7	94.8	94.8	95.0	95.0	95.3	95.2
58.7	93.1	94.0	94.9	95.3	95.3	95.5	95.7	95.7	95.7	95.8	95.8	96.0	96.0	96.3	96.2
58.7	94.1	95.0	95.9	96.3	96.3	96.5	96.7	96.7	96.7	96.8	96.8	97.0	97.0	97.3	97.2
58.7	95.1	96.0	96.9	97.3	97.3	97.5	97.7	97.7	97.7	97.8	97.8	98.0	98.0	98.3	98.2
58.7	96.1	97.0	97.9	98.3	98.3	98.5	98.7	98.7	98.7	98.8	98.8	99.0	99.0	99.3	99.2
58.7	97.1	98.0	98.9	99.3	99.3	99.5	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 224

2

WALL ROBERT IAP 04

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1951

47.3	52.3	52.4	53.1	53.2	53.2	53.4	53.6	53.6	53.7	53.7	53.7	53.8	53.7	53.9	54.4
44.7	59.1	59.9	60.0	60.2	60.4	60.3	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.3	61.8
44.7	59.1	59.9	60.0	60.2	60.4	60.3	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.3	61.8
54.4	59.3	61.2	60.4	60.5	60.8	61.2	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	62.1
50.4	61.2	62.1	62.3	62.4	62.6	63.1	63.1	63.1	63.5	63.5	63.5	63.6	63.6	63.7	64.2
50.3	63.5	64.5	64.8	65.1	65.3	65.7	65.8	65.8	66.2	66.2	66.2	66.3	66.3	66.4	66.9
59.1	64.3	65.3	65.6	65.8	66.1	66.4	66.5	66.5	66.9	66.9	66.9	67.2	67.2	67.2	67.6
59.7	65.2	65.2	66.4	66.7	66.9	67.3	67.4	67.4	67.8	67.8	67.8	67.9	67.9	68.0	68.5
60.3	66.2	67.2	67.6	67.9	68.1	68.4	68.8	68.9	69.2	69.2	69.2	69.4	69.4	69.5	70.0
61.2	67.4	68.4	68.9	69.1	69.4	69.7	69.9	69.9	70.2	70.2	70.2	70.3	70.3	70.5	71.0
61.4	68.8	69.7	70.2	70.5	70.7	71.1	71.2	71.2	71.5	71.6	71.6	71.7	71.7	71.8	72.3
62.1	69.4	70.3	70.8	71.1	71.3	71.7	71.8	71.8	72.2	72.2	72.2	72.3	72.3	72.4	72.9
62.5	70.3	71.1	71.6	71.8	72.1	72.4	72.5	72.5	72.9	72.9	72.9	73.0	73.0	73.2	73.7
63.0	70.5	71.6	72.1	72.3	72.5	72.9	73.0	73.1	73.4	73.4	73.4	73.5	73.5	73.7	74.1
63.4	71.1	72.1	72.5	72.8	73.0	73.4	73.5	73.5	74.0	74.0	74.0	74.1	74.1	74.3	74.9
63.8	71.8	72.9	73.4	73.7	73.9	74.4	74.5	74.5	75.0	75.0	75.0	75.1	75.1	75.2	75.7
64.2	72.3	73.4	73.9	74.1	74.6	75.1	75.2	75.2	75.7	75.7	75.7	75.9	75.9	76.0	76.5
65.1	74.4	75.5	76.1	76.5	77.0	77.6	77.7	77.7	78.2	78.2	78.2	78.3	78.3	78.4	78.9
65.7	77.1	78.3	79.0	79.5	80.1	81.3	81.5	81.5	82.0	82.0	82.0	82.1	82.1	82.2	82.7
66.2	78.4	79.9	81.0	81.7	82.4	83.6	84.1	84.1	84.6	84.6	84.6	84.7	84.7	84.8	85.3
66.2	78.8	80.4	81.6	82.4	83.0	84.4	84.9	84.9	85.4	85.4	85.4	85.5	85.5	85.7	86.2
66.3	79.5	81.1	82.5	83.2	83.8	85.3	85.9	85.9	86.4	86.4	86.4	86.6	86.6	86.8	87.3
66.4	79.9	81.7	83.2	84.3	84.9	86.6	87.3	87.3	87.7	87.7	87.7	87.7	88.0	88.1	88.6
66.4	80.0	82.1	83.5	85.0	85.9	87.7	88.5	88.5	89.2	89.2	89.2	89.7	89.7	89.8	90.3
66.4	80.3	82.6	84.1	85.9	87.1	89.2	90.1	90.1	90.9	91.1	91.1	91.5	91.5	91.7	92.2
66.4	80.3	82.7	84.2	86.2	87.3	89.6	90.6	90.7	91.7	91.9	91.9	92.4	92.4	92.5	93.0
66.4	80.3	82.7	84.2	86.2	87.3	89.7	90.8	91.1	92.5	93.1	93.1	94.1	94.1	94.5	95.1
66.4	80.3	82.7	84.2	86.3	87.4	89.8	90.9	91.2	93.0	94.1	94.1	95.6	95.6	96.2	96.7
66.4	80.3	82.7	84.2	86.3	87.4	90.5	91.1	91.3	93.1	94.2	94.2	96.1	96.1	97.5	98.6
66.4	80.3	82.7	84.2	86.3	87.4	90.5	91.1	91.3	93.1	94.2	94.2	96.1	96.3	97.5	98.6

TOTAL NUMBER OF OBSERVATIONS 316

U.S. AIR FORCE CLIMATOLOGY BRANCH
METEOROLOGICAL TAC
WALL POUERS IAP, OKLA

CEILING VERSUS VISIBILITY

WALL POUERS IAP, OKLA

75-51

1952

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1220-1400

52.7	55.5	55.5	55.5	56.7	56.3	56.7	56.0	54.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
55.5	51.4	61.5	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
55.6	61.5	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
55.9	61.3	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4
59.1	62.3	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.3	63.3	63.3
61.3	65.6	65.9	65.9	66.2	66.2	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.7	66.7	66.7
64.1	65.5	65.9	65.9	66.2	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.7
64.4	67.0	67.0	67.5	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
65.2	69.8	70.7	70.3	70.6	70.6	70.7	70.7	70.7	70.7	70.9	70.9	70.9	70.9	71.0	71.0	71.0
66.1	70.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.8	71.8	71.8	71.8	72.0	72.0	72.0
66.2	71.3	71.9	71.9	72.1	72.1	72.1	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.7	72.7
66.5	72.0	72.5	72.5	72.9	72.9	73.1	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.5	73.5	73.5
67.4	72.9	73.5	73.5	73.7	73.7	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5
67.5	73.5	73.5	73.5	73.8	73.8	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.6	74.5	74.6
67.6	73.5	74.2	74.2	74.5	74.5	74.8	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.2	75.2	75.2
67.8	73.8	74.5	74.7	74.9	74.9	75.3	75.3	75.3	75.5	75.7	75.7	75.7	75.7	75.8	75.8	75.8
68.5	74.8	75.5	75.7	75.0	76.0	76.4	76.4	76.4	76.4	76.6	76.9	76.9	76.9	77.0	77.0	77.0
68.5	76.5	77.5	77.7	78.1	78.1	78.6	78.6	78.6	78.6	79.0	79.1	79.1	79.1	79.2	79.2	79.2
68.5	77.4	75.5	75.5	79.0	79.0	79.4	79.6	79.6	79.9	80.0	80.0	80.0	80.0	80.2	80.2	80.2
69.1	77.0	80.0	80.7	81.0	81.0	81.5	81.6	81.6	82.0	82.1	82.1	82.1	82.1	82.2	82.2	82.2
69.7	80.8	82.7	82.6	83.3	83.3	84.2	84.3	84.3	84.8	85.0	85.0	85.0	85.0	85.2	85.2	85.2
71.5	82.8	84.2	85.2	85.9	85.9	86.7	86.9	86.9	87.5	87.7	87.7	87.7	87.8	88.1	88.2	88.2
71.7	83.7	84.7	85.8	86.6	86.6	87.5	87.6	87.6	88.2	88.4	88.4	88.4	88.6	88.7	88.7	88.7
71.7	83.7	85.4	86.5	87.3	87.3	88.2	88.3	88.3	88.9	89.2	89.2	89.2	89.3	89.4	89.4	89.4
71.7	84.5	86.5	87.8	88.7	88.7	89.8	90.0	90.0	90.6	90.9	90.9	90.9	91.1	91.2	91.2	91.2
71.7	84.9	87.0	88.7	89.5	89.5	91.0	91.2	91.2	92.3	92.7	92.7	92.7	93.1	93.2	93.2	93.2
71.9	84.9	87.7	89.2	90.1	90.3	92.1	92.8	92.8	93.9	94.3	94.3	94.3	94.6	94.8	94.8	94.8
71.9	84.9	87.0	89.2	90.3	90.4	92.6	93.4	93.4	94.9	95.4	95.4	95.4	95.7	95.9	95.9	95.9
71.9	84.9	87.2	89.2	90.3	90.4	92.8	93.8	93.9	96.0	97.0	97.0	97.0	97.8	97.9	98.0	98.0
71.9	84.9	87.2	89.2	90.3	90.4	92.8	93.8	93.9	96.0	97.2	97.2	97.2	98.3	98.4	98.6	98.8
71.9	84.9	87.2	89.2	90.3	90.4	92.8	93.8	93.9	96.1	97.3	97.3	97.3	98.5	98.7	99.4	100.0
71.9	84.9	87.2	89.2	90.3	90.4	92.8	93.8	93.9	96.1	97.3	97.3	97.3	98.5	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS _____ 22

THE COUNCIL ON POLICE TRAINING
 NATIONAL POLICE TRAINING CENTER
 1015 W. 17th Street, Chicago, Illinois

CEILING VERSUS VISIBILITY

WILLIAMER, IAP, 200

73-21

641

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

10-10-1952

62.0	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
63.0	63.2	63.3	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
63.6	63.4	63.5	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
63.8	63.4	63.5	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
63.8	64.5	64.8	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
63.4	66.7	66.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
65.6	69.5	69.5	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
66.2	70.1	70.2	70.9	70.9	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
68.4	71.1	71.1	71.7	71.7	71.7	71.7	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
67.3	71.7	71.9	72.4	72.6	72.6	72.6	72.7	72.8	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
67.7	72.4	72.6	73.2	73.3	73.3	73.4	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
67.0	73.3	73.4	74.1	74.3	74.3	74.4	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
70.0	74.9	75.1	75.7	75.9	75.9	76.1	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
70.4	75.4	75.5	76.2	76.3	76.3	76.6	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
70.0	76.0	76.2	77.0	77.1	77.1	77.3	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
71.3	77.1	77.3	78.0	78.2	78.2	78.4	78.5	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
71.8	77.9	78.2	79.0	79.1	79.1	79.4	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
72.3	79.9	80.1	81.0	81.1	81.1	81.3	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
73.4	81.1	81.3	82.2	82.3	82.3	82.6	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
73.4	82.3	82.7	83.9	84.1	84.1	84.5	84.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
73.9	84.1	84.4	85.0	85.2	85.3	85.8	87.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
74.4	85.5	86.2	87.4	87.7	87.8	88.3	88.5	88.5	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3
74.5	86.0	86.7	87.9	88.3	88.4	88.9	89.1	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
74.6	87.0	87.7	88.9	89.3	89.4	89.9	90.1	90.1	90.6	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9
74.8	87.3	88.5	90.0	90.5	90.6	91.1	91.5	91.5	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2
74.8	87.7	88.9	90.7	91.6	92.0	92.8	93.4	93.4	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6
74.9	87.9	89.1	91.1	92.0	92.3	93.3	94.5	94.5	95.1	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9
74.9	87.9	89.1	91.1	92.0	92.3	93.3	94.5	94.5	95.1	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9
74.9	87.9	89.3	91.2	92.2	92.6	94.3	96.1	96.1	97.1	97.4	97.6	97.6	97.9	97.9	97.9	97.9	97.9
74.9	87.9	89.3	91.2	92.2	92.6	94.3	96.2	96.2	97.2	98.0	98.2	98.2	98.7	98.7	98.7	99.1	99.1
74.9	87.9	89.3	91.2	92.2	92.6	94.3	96.2	96.2	97.2	98.2	98.3	98.3	98.8	98.8	98.8	99.1	99.0
74.9	87.9	89.3	91.2	92.2	92.6	94.3	96.2	96.2	97.2	98.2	98.3	98.3	98.8	98.8	98.8	99.1	99.0

TOTAL NUMBER OF OBSERVATIONS 821



FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D. C. 20515

CEILING VERSUS VISIBILITY

WILLIAMS PORT TOWER, IAP, GA

73-01

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1-1-55

50.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5
50.1	56.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
50.4	54.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3
50.4	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3
50.1	55.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1
50.3	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1
50.6	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.7	70.7	70.7	70.7	70.7
50.6	71.9	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
50.8	71.6	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6
50.4	73.7	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6
50.4	74.0	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.1	75.1	75.1	75.1
50.1	74.5	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
50.1	76.4	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.5	77.5	77.5	77.5
50.3	77.3	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3	78.4	78.4	78.4	78.4
50.4	78.5	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3
50.7	78.9	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.4	80.4	80.6	80.6	80.6	80.6
50.5	80.0	81.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6
50.2	81.1	81.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7
50.7	81.8	82.5	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.5	83.5	83.6	83.6	83.6	83.6	83.6
50.3	82.9	83.7	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.8	84.8	84.9	84.9	84.9	84.9	84.9
50.2	85.3	86.1	86.6	87.0	87.0	87.1	87.2	87.2	87.2	87.6	87.6	87.7	87.7	87.7	87.7	87.7
50.7	86.6	87.4	88.0	88.9	89.0	89.1	89.7	89.7	90.1	90.1	90.6	90.7	90.7	90.7	90.7	90.7
50.7	87.2	88.2	89.1	90.0	90.1	90.3	90.9	90.9	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
50.7	87.6	88.9	90.0	90.9	91.1	91.3	91.9	91.9	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
50.7	87.7	89.1	90.0	91.8	91.9	92.1	93.0	93.0	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6
50.3	88.0	89.5	91.1	92.6	92.8	93.0	94.1	94.2	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
50.3	88.2	89.7	91.8	93.4	93.5	94.2	95.7	95.8	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.7
50.6	88.2	89.9	92.0	93.6	93.7	94.4	95.9	96.1	97.2	97.3	97.5	98.1	98.1	98.1	98.1	98.1
50.3	88.2	89.9	92.0	93.6	93.7	94.4	95.9	96.1	97.5	97.7	97.8	98.6	98.7	98.7	98.7	98.7
50.6	88.2	89.9	92.0	93.6	93.7	94.4	95.9	96.1	97.5	97.7	97.8	98.9	99.0	99.0	99.0	99.0
50.3	88.2	89.9	92.0	93.6	93.7	94.4	95.9	96.1	97.5	97.7	97.8	98.9	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 524

5048-17A

REVISIONS: 1-1-55

FAC ELIMINATED BY FRAMING
FAC
WATER SERVICE / FAC

CEILING VERSUS VISIBILITY

WIND VELOCITY (KNOTS) 24

75-31

24

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATION

21 0-0000

64.5	61.0	59.8	64.4	59.4	59.4	59.4	59.4	57.6	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
64.4	62.9	62.9	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
65.3	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
65.5	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
65.5	63.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
65.2	65.1	65.2	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
65.3	65.9	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
66.4	70.7	70.1	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
65.6	71.7	71.2	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
66.1	71.9	71.9	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
66.1	72.0	72.1	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
66.3	72.9	73.7	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	73.5
66.2	74.3	74.2	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
67.4	74.3	74.6	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
67.7	75.3	76.1	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
67.9	77.5	77.9	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
67.6	78.7	79.1	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
71.7	79.9	80.3	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
71.4	80.3	80.7	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
72.5	82.7	83.1	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
74.1	85.1	85.6	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
74.5	86.7	87.5	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
74.6	87.1	87.8	88.7	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
74.5	87.8	88.7	89.4	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
74.5	88.4	89.4	90.9	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
74.3	89.8	89.9	91.5	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
74.9	89.1	90.1	92.2	92.7	92.7	92.7	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
74.9	89.3	91.4	93.1	93.9	93.9	93.9	94.4	94.9	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
74.7	89.3	90.4	93.2	94.2	94.2	94.2	94.8	95.3	95.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
74.7	89.3	90.4	93.2	94.2	94.2	94.2	95.1	95.7	95.9	97.4	97.8	97.8	98.1	98.1	98.1	98.1	98.1
74.7	89.3	90.4	93.2	94.3	94.3	94.3	95.3	95.9	96.0	97.5	98.2	98.2	98.7	98.7	98.7	98.7	98.7
74.9	89.3	90.4	93.2	94.3	94.3	94.3	95.3	95.9	96.0	97.6	98.2	98.2	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 422

AG CLIMATOLOGY BRANCH
157

WALL FOWER, IAP, PA

WALL FOWER, IAP, PA

CEILING VERSUS VISIBILITY

1951

PA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	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	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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TOTAL NUMBER OF OBSERVATIONS 571

WILLIAMS BRANCH
WILLIAMS SERVICE UNIT

CEILING VERSUS VISIBILITY

WILLIAMS BRANCH

73-51

801

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1530

49.3	50.1	51.9	55.7	57.6	57.5	59.3	59.7	59.7	59.0	59.2	59.2	59.3	59.4	59.5	59.5
52.4	50.1	50.9	59.5	57.8	59.3	51.4	51.3	51.3	52.2	52.4	52.4	52.5	52.2	52.7	53.1
52.5	50.1	50.9	59.8	57.8	59.3	51.4	51.8	51.4	52.2	52.4	52.4	52.5	52.5	52.7	53.1
52.4	50.1	50.9	59.8	57.8	59.3	51.4	51.3	51.3	52.2	52.4	52.4	52.5	52.5	52.7	53.1
53.2	50.4	50.7	57.2	51.2	51.2	51.5	52.2	52.7	52.6	52.7	52.7	52.9	53.0	53.1	53.5
53.3	50.4	50.4	51.3	52.2	52.2	52.9	53.3	53.3	53.7	53.8	53.8	53.9	54.1	54.2	54.5
53.4	50.5	51.0	52.5	53.4	53.4	54.1	54.5	54.5	54.9	55.0	55.0	55.1	55.3	55.4	55.8
53.4	50.5	51.7	52.6	53.5	53.5	54.2	54.6	54.6	55.0	55.1	55.1	55.3	55.4	55.5	55.9
53.6	51.4	52.4	53.5	54.2	54.2	54.9	55.3	55.3	55.7	55.8	55.8	55.9	56.1	56.2	56.6
53.7	51.5	52.5	53.4	54.3	54.3	55.0	55.4	55.4	55.8	55.9	55.9	56.1	56.2	56.3	56.7
53.7	51.7	52.5	57.5	54.5	54.5	55.1	55.5	55.5	55.9	56.1	56.1	56.2	56.3	56.4	56.8
53.7	52.2	53.1	54.1	55.0	55.0	55.7	56.1	56.1	56.4	56.5	56.5	56.7	56.8	57.0	57.4
53.7	52.7	53.9	55.1	55.9	55.9	56.6	57.0	57.0	57.4	57.5	57.5	57.6	57.8	57.9	58.3
53.7	53.1	54.2	55.3	56.2	56.2	56.8	57.2	57.2	57.6	57.8	57.9	58.0	58.2	58.3	58.7
53.7	53.5	54.7	55.3	56.7	56.7	57.8	57.8	57.9	58.2	58.3	58.3	58.4	58.5	58.7	59.1
53.7	54.1	55.3	56.3	57.2	57.2	57.9	58.3	58.3	58.7	58.8	58.8	58.9	59.1	59.2	59.6
53.7	55.3	57.7	58.4	59.6	59.6	70.5	73.7	70.7	71.1	71.2	71.2	71.3	71.5	71.6	72.0
53.7	57.4	58.8	70.3	71.2	71.2	71.9	72.3	72.3	72.7	72.8	72.8	72.9	73.1	73.2	73.6
53.9	58.3	59.7	71.9	72.1	72.1	72.8	73.2	73.2	73.6	73.7	73.7	73.8	74.0	74.1	74.5
53.9	59.7	71.7	72.5	73.7	73.7	74.4	74.8	74.4	75.2	75.3	75.3	75.4	75.6	75.7	76.1
53.9	73.3	75.3	75.3	76.5	77.7	77.7	78.7	79.3	79.4	79.5	79.9	79.9	80.1	80.2	80.7
53.9	74.3	75.6	75.2	75.4	75.4	75.7	81.2	81.4	81.8	81.9	81.9	82.0	82.2	82.3	82.7
53.9	75.2	77.1	78.9	80.3	80.3	81.9	82.4	82.6	83.0	83.1	83.1	83.2	83.4	83.5	83.9
53.9	75.4	77.5	79.5	81.2	81.2	82.6	83.4	83.6	84.0	84.3	84.3	84.4	84.5	84.7	85.1
53.9	76.2	75.7	81.2	83.0	83.0	84.5	85.2	85.5	85.9	86.1	86.1	86.3	86.4	86.5	86.9
53.9	76.5	79.5	82.2	84.1	84.1	86.0	86.9	87.2	87.5	87.8	87.8	88.0	88.1	88.2	88.6
53.9	76.5	77.4	83.1	84.9	84.9	87.1	88.1	88.2	89.3	89.6	89.6	89.7	89.9	90.0	90.4
53.9	76.5	79.4	83.2	85.6	85.6	88.1	90.0	90.0	91.5	92.3	92.3	92.5	92.6	92.7	93.1
53.9	76.5	79.4	83.2	86.0	86.0	88.8	91.1	91.4	93.5	94.8	94.8	95.0	95.1	95.2	95.6
53.9	76.5	79.4	83.2	86.0	86.0	88.8	91.4	92.1	94.2	95.2	95.2	95.3	96.0	95.7	96.6
53.9	76.5	79.4	83.2	86.0	86.0	88.8	91.4	92.1	94.2	95.2	95.2	95.3	96.2	96.7	96.8
53.9	76.5	79.4	83.2	86.0	86.0	88.8	91.4	92.1	94.2	95.2	95.2	95.8	96.2	96.81	97.0

TOTAL NUMBER OF OBSERVATIONS 757

WALL CLIMATOLOGY BRANCH
WALL TAC
WALL WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

WALL TAC
WALL WEATHER SERVICE/TAC

73-01

823

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

54.5	54.7	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3
55.7	51.7	62.1	62.1	62.2	62.2	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
65.7	61.7	67.1	67.1	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
65.7	62.1	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
65.3	62.6	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
65.1	63.7	66.1	66.1	66.2	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
65.5	67.6	68.1	68.1	68.2	68.2	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6
67.5	67.6	68.1	68.1	68.2	68.2	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6
68.2	68.4	68.9	68.9	69.1	69.1	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
68.1	68.4	68.9	68.9	69.1	69.1	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
68.4	68.6	69.1	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
69.2	69.5	7.1	70.2	70.3	70.3	70.5	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7
69.2	69.8	7.5	70.6	7.7	70.7	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
69.1	69.8	7.5	70.6	70.9	70.9	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3
69.1	70.2	7.9	71.0	71.3	71.3	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7
69.7	71.1	71.3	71.3	71.9	72.6	72.6	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0
70.1	71.3	72.5	72.6	73.3	73.3	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7
72.4	73.5	74.3	74.5	75.1	75.1	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7
73.4	74.3	75.3	75.4	76.2	76.2	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7
74.4	77.1	79.6	79.7	79.8	79.9	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7
74.5	79.1	81.1	81.6	82.6	83.1	84.0	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2
74.5	79.5	81.5	82.8	84.4	84.8	85.6	86.2	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6
74.5	81.5	82.5	84.4	86.2	86.6	87.6	88.0	88.0	88.0	88.3	88.4	88.4	88.4	88.4	88.4
74.5	81.1	83.5	85.4	87.1	87.5	88.6	89.0	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
74.5	81.5	83.2	85.8	87.6	88.0	89.2	89.8	89.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3
74.5	81.5	84.0	86.2	88.0	88.7	90.2	91.5	91.5	92.3	92.4	92.4	92.4	92.4	92.4	92.4
74.5	81.8	84.3	86.6	88.7	89.4	91.1	92.7	93.0	93.9	94.1	94.1	94.1	94.1	94.1	94.1
74.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	95.7	96.1	96.1	96.4	96.4	96.4	96.4
74.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	96.1	96.9	96.9	97.9	97.9	97.9	97.9
74.5	81.3	84.3	86.6	89.0	89.6	92.0	94.0	94.4	96.5	97.6	97.6	98.9	98.9	99.1	99.1
74.5	81.3	84.3	86.6	89.0	89.6	92.0	94.0	94.4	96.5	97.6	97.6	98.9	98.9	99.5	99.7
74.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	96.5	97.6	97.6	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 752

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL SERVICE 7740

CEILING VERSUS VISIBILITY

2

WILL ROGERS IAP, OK

73-51

503

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1950-1971

53.1	54.7	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
55.2	54.4	55.1	55.1	55.2	55.2	55.5	55.5	55.5	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
55.7	54.4	55.1	55.1	55.2	55.2	55.5	55.5	55.5	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
56.2	54.4	55.1	55.1	55.2	55.2	55.5	55.5	55.5	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
56.7	55.1	55.5	55.4	55.9	55.9	56.2	56.2	56.2	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
56.7	55.6	56.7	56.3	56.4	56.4	56.7	56.7	56.7	56.7	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
57.1	57.5	58.2	58.3	58.4	58.4	58.7	58.7	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
58.1	58.0	58.5	58.7	58.8	58.8	59.1	59.1	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
58.3	59.2	59.2	59.4	70.0	70.0	70.3	70.3	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
58.5	70.3	70.8	71.0	71.1	71.1	71.4	71.4	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
58.5	71.3	71.5	71.6	71.8	71.8	72.0	72.0	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
58.4	71.6	72.2	72.3	72.4	72.4	72.7	72.7	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
57.4	72.7	73.2	73.4	73.5	73.5	73.8	73.8	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
57.5	73.4	73.5	73.6	73.9	73.9	74.2	74.2	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
58.2	73.6	74.2	74.3	74.6	74.6	74.8	74.8	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
58.8	74.8	75.4	75.5	75.8	75.8	76.0	76.0	76.0	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
59.1	75.8	76.3	76.4	76.7	76.7	77.2	77.2	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
70.3	78.2	78.7	78.8	79.2	79.2	79.8	79.8	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
70.7	79.3	79.5	79.6	80.0	80.0	80.6	80.6	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
71.1	81.1	82.0	82.2	82.7	82.7	83.4	83.4	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
71.4	83.5	84.3	84.6	85.4	85.5	86.3	86.3	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
71.4	83.6	85.4	85.6	87.2	87.7	88.5	88.5	88.5	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
71.4	84.0	85.9	86.3	87.9	88.4	90.0	90.0	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
71.5	84.4	86.3	86.7	88.4	89.1	91.3	91.3	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
71.5	84.4	86.3	87.1	88.8	89.7	92.0	92.1	92.1	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
71.5	84.4	86.3	87.1	88.8	89.9	92.5	92.9	92.9	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
71.5	84.4	86.3	87.1	88.8	90.1	92.8	93.6	93.6	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
71.5	84.4	86.3	87.1	88.8	90.3	93.2	94.1	94.1	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
71.5	84.4	86.3	87.1	88.8	90.3	93.3	94.9	94.9	96.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
71.5	84.4	86.3	87.1	88.8	90.3	93.3	93.3	95.1	95.1	96.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
71.5	84.4	86.3	87.1	88.8	90.3	93.3	93.3	95.1	95.1	96.5	98.4	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2
71.5	84.4	86.3	87.1	88.8	90.3	93.3	93.3	95.1	95.1	96.5	98.4	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 751

WALLACE CLIMATOLOGY BRANCH
WENTZ
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-61

568

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-0-2010

64.9	61.8	62.4	63.6	63.9	63.7	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
64.3	67.7	68.2	69.2	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
64.3	67.7	68.7	69.5	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
64.3	67.7	68.3	69.5	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
64.7	69.0	69.0	69.7	70.0	70.0	70.1	70.1	70.3	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5
65.7	69.2	69.7	71.0	71.2	71.2	71.4	71.4	71.5	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8
65.7	69.3	69.9	71.1	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9
65.7	70.3	70.8	72.0	72.3	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8
66.7	70.8	71.4	72.6	72.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4
67.7	71.8	72.3	73.5	73.8	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3
67.7	72.8	73.5	74.7	75.0	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5
69.1	73.8	74.4	75.6	75.9	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4
69.6	74.4	75.1	76.3	76.7	76.7	76.8	76.8	77.0	77.0	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2
70.7	75.5	76.2	77.4	77.9	77.9	78.0	78.0	78.2	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4
71.3	77.8	78.4	79.7	80.2	80.2	80.3	80.3	80.5	80.5	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7
73.6	76.8	79.7	80.7	81.3	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8
74.3	79.9	80.7	81.9	82.5	82.5	82.6	82.6	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0
74.3	80.6	81.5	82.7	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8
74.7	81.0	82.2	83.4	83.9	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6
75.5	80.9	84.2	85.7	86.2	86.2	86.5	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
76.7	84.2	85.9	87.7	88.2	88.2	88.5	88.5	88.6	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8
76.7	84.6	86.5	88.0	89.0	89.0	89.8	89.8	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
76.3	85.5	87.4	91.0	90.6	90.6	91.4	91.4	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
76.3	85.7	87.7	90.8	91.6	91.6	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
76.3	85.7	87.8	91.6	92.5	92.5	93.3	93.4	93.6	93.7	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1
76.3	85.8	88.5	92.5	93.6	93.6	94.6	94.9	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3
76.3	85.8	88.5	92.6	94.0	94.0	95.1	95.4	95.6	95.9	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
76.3	85.8	88.5	92.6	94.0	94.0	95.3	95.9	96.0	96.4	96.6	96.6	97.3	97.3	97.3	97.3	97.3	97.3
75.3	85.8	88.5	92.6	94.0	94.0	95.4	96.0	96.1	96.5	97.5	97.5	98.8	98.8	98.8	98.8	98.8	98.8
75.3	85.8	88.5	92.6	94.0	94.0	95.4	96.0	96.1	96.7	97.6	97.6	98.9	98.9	98.9	98.9	98.9	98.9
76.3	85.8	88.5	92.6	94.0	94.0	95.4	96.0	96.1	96.7	97.6	97.6	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 747

WAFAC CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/WAC

CEILING VERSUS VISIBILITY

WAC
WALL FOWERS IAP, UK

73-61

888

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

53.2	57.0	57.5	58.0	58.5	58.6	58.8	58.9	58.9	59.1	59.2	59.2	59.2	59.3	59.4	59.4
57.3	62.3	63.3	64.0	64.4	64.5	64.8	65.0	65.0	65.1	65.2	65.2	65.3	65.4	65.4	65.5
65.3	62.8	63.4	64.0	64.4	64.5	64.8	65.0	65.0	65.1	65.2	65.2	65.3	65.4	65.4	65.5
66.3	62.3	63.4	64.0	64.5	64.6	64.9	65.0	65.0	65.1	65.3	65.3	65.3	65.4	65.5	65.6
67.4	63.3	63.9	64.6	65.0	65.1	65.4	65.5	65.5	65.7	65.8	65.8	65.9	65.9	66.0	66.1
67.3	64.5	65.0	65.7	66.1	66.2	66.6	66.7	66.7	66.8	67.2	67.0	67.0	67.1	67.2	67.3
67.3	65.9	66.5	67.2	67.6	67.7	68.1	68.2	68.2	68.3	68.5	68.5	68.5	68.6	68.7	68.8
67.4	66.1	66.7	67.3	67.8	67.9	68.2	68.4	68.4	68.5	68.6	68.6	68.7	68.8	68.9	69.0
67.3	67.0	67.6	68.3	68.7	68.8	69.2	69.3	69.3	69.4	69.5	69.5	69.7	69.7	69.8	69.9
67.4	67.5	68.1	68.8	69.2	69.3	69.7	69.8	69.8	69.9	70.1	70.1	70.2	70.2	70.3	70.4
67.3	67.8	68.5	69.1	69.6	69.7	70.1	70.2	70.2	70.3	70.5	70.5	70.5	70.6	70.7	70.8
67.3	68.6	69.2	69.9	70.4	70.5	70.8	71.0	71.0	71.1	71.2	71.2	71.3	71.4	71.4	71.5
67.3	69.2	69.9	70.7	71.2	71.3	71.6	71.7	71.8	71.9	72.0	72.0	72.1	72.2	72.2	72.3
67.3	69.6	70.3	71.0	71.6	71.7	72.0	72.2	72.2	72.3	72.5	72.5	72.5	72.6	72.7	72.8
67.3	70.2	70.9	71.6	72.2	72.3	72.7	72.8	72.8	73.0	73.1	73.1	73.2	73.3	73.3	73.4
67.3	71.4	72.1	72.8	73.4	73.5	73.9	74.1	74.1	74.2	74.4	74.4	74.4	74.5	74.6	74.7
67.3	72.5	73.2	74.0	74.7	74.8	75.3	75.4	75.4	75.5	75.7	75.7	75.8	75.8	75.9	76.0
67.3	74.2	75.1	75.8	76.6	76.7	77.2	77.3	77.3	77.5	77.6	77.6	77.7	77.8	77.9	78.0
67.3	75.1	75.9	76.8	77.6	77.7	78.2	78.3	78.4	78.5	78.7	78.7	78.7	78.8	78.9	79.0
67.3	75.6	77.8	78.7	79.6	79.7	80.2	80.4	80.4	80.6	80.7	80.7	80.8	80.9	81.0	81.1
67.3	75.9	80.3	81.4	82.4	82.6	83.3	83.5	83.5	83.7	83.9	83.9	84.0	84.1	84.1	84.2
67.3	79.2	81.6	82.9	84.1	84.4	85.2	85.4	85.5	85.7	85.9	85.9	85.9	86.0	86.1	86.2
67.3	80.5	82.4	83.8	85.1	85.4	86.4	86.8	86.8	87.0	87.2	87.2	87.3	87.4	87.4	87.5
67.3	81.3	83.2	84.6	86.0	86.4	87.6	87.9	88.0	88.2	88.4	88.4	88.5	88.6	88.6	88.7
67.3	81.4	83.4	85.5	87.0	87.5	88.7	89.2	89.3	89.6	89.8	89.8	89.9	90.0	90.0	90.1
67.3	81.4	83.7	86.2	87.8	88.4	89.9	90.5	90.6	91.1	91.3	91.3	91.4	91.5	91.5	91.6
67.3	81.5	83.9	86.7	88.5	89.1	90.8	91.8	91.9	92.6	92.8	92.8	93.0	93.0	93.1	93.2
67.3	81.6	84.1	87.0	89.0	89.7	91.7	93.1	93.3	94.1	94.6	94.6	94.8	94.9	94.9	95.0
67.3	81.6	84.1	87.1	89.2	89.9	92.0	93.8	94.0	95.3	96.1	96.1	96.5	96.6	96.7	96.8
67.3	81.6	84.1	87.1	89.2	90.0	92.1	94.0	94.2	95.6	96.8	96.8	97.8	97.9	98.2	98.4
67.3	81.6	84.1	87.1	89.2	90.0	92.1	94.0	94.2	95.8	96.9	96.9	98.0	98.1	98.7	99.5
67.3	81.6	84.1	87.1	89.2	90.0	92.1	94.0	94.2	95.8	96.9	96.9	98.0	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6407

AGRICULTURAL SERVICE

CEILING VERSUS VISIBILITY

1950 - 1951

73-81

84

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1950-1951

51.1	51.4	51.7	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.3	55.6	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58.0	58.3	58.6	58.9	59.2	59.5	59.8	60.1	60.4	60.7	61.0	61.3	61.6	61.9	62.2	62.5	62.8	63.1	63.4	63.7	64.0	64.3	64.6	64.9	65.2	65.5	65.8	66.1	66.4	66.7	67.0	67.3	67.6	67.9	68.2	68.5	68.8	69.1	69.4	69.7	70.0	70.3	70.6	70.9	71.2	71.5	71.8	72.1	72.4	72.7	73.0	73.3	73.6	73.9	74.2	74.5	74.8	75.1	75.4	75.7	76.0	76.3	76.6	76.9	77.2	77.5	77.8	78.1	78.4	78.7	79.0	79.3	79.6	79.9	80.2	80.5	80.8	81.1	81.4	81.7	82.0	82.3	82.6	82.9	83.2	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7	88.0	88.3	88.6	88.9	89.2	89.5	89.8	90.1	90.4	90.7	91.0	91.3	91.6	91.9	92.2	92.5	92.8	93.1	93.4	93.7	94.0	94.3	94.6	94.9	95.2	95.5	95.8	96.1	96.4	96.7	97.0	97.3	97.6	97.9	98.2	98.5	98.8	99.1	99.4	99.7	100.0
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TOTAL NUMBER OF OBSERVATIONS 1000

CEILING VERSUS VISIBILITY

WORLD METEOROLOGICAL ORGANIZATION
 WMO

1980-1981

1980-1981

1980-1981

STATION: (NAME, LOCATION, COORDINATES)
 REFERENCE: (SOURCE OF DATA)

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	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	4.6	4.7	4.8	4.9	5.0																																																	
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	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	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0

TOTAL NUMBER OF OBSERVATIONS



PHOENIX METEOROLOGICAL STATION

PHOENIX, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

TO

ALL

60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	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	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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TOTAL NUMBER OF OBSERVATIONS 5491

WINDSPEED BRANCH
TAC
WATER SERVICE

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

65.7	66.3	67.5	68.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
66.4	67.3	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
67.3	67.3	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
68.4	67.3	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
69.1	69.0	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
69.2	71.9	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
70.3	72.4	72.9	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
71.3	74.7	75.2	75.3	75.3	75.3	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
72.3	76.1	76.6	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
73.3	77.1	77.5	77.6	77.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
74.4	79.2	79.7	79.8	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
81.1	81.6	81.1	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
82.1	83.3	83.8	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
84.2	84.4	84.1	84.1	84.1	84.1	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
85.3	85.5	85.5	85.4	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
86.3	86.5	87.1	87.3	87.3	87.3	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
88.1	88.6	88.4	88.6	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	88.8	88.8
89.1	89.3	89.0	89.1	89.1	89.1	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
90.2	90.3	91.2	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
92.4	92.2	93.1	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
93.3	93.5	94.5	94.6	94.8	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
94.2	94.3	95.4	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
96.2	96.3	96.4	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
97.2	96.1	97.3	97.6	97.6	97.6	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
98.2	96.4	97.3	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
99.2	96.4	98.1	98.6	98.6	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
99.4	96.5	98.5	99.1	99.1	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
99.6	96.6	98.6	99.1	99.1	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	96.6	98.6	99.1	99.1	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	96.6	98.6	99.1	99.1	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	96.6	98.6	99.1	99.1	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	96.6	98.6	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 797

WINDSPEED BRANCH TAC WATER SERVICE

14540 METEOROLOGY BRANCH
LTCAC
METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

14540 WILLOW BUSH, N.S.W.

73-93

897

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1961

53.7	57.7	57.7	57.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7	57.7	57.8	57.9
51.4	55.2	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
51.4	55.2	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
51.4	55.2	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
51.4	55.3	55.5	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
52.1	55.3	55.1	55.1	57.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
54.5	55.7	58.4	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
55.1	55.2	59.3	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
56.7	71.4	71.5	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.5
57.8	71.3	72.5	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.7	73.8
57.7	73.4	71.4	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.7	74.7	74.9
71.9	75.2	75.5	75.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.5	77.5	77.5	77.7
72.4	75.1	75.5	75.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.5	79.7
73.9	74.4	74.5	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
74.7	81.3	81.7	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
75.6	81.5	82.4	82.7	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
75.3	82.9	83.4	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
77.9	84.5	85.3	85.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
79.7	85.1	85.6	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
80.5	85.4	88.9	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
81.5	89.1	89.5	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
81.1	90.3	90.7	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
81.5	91.5	92.2	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
81.5	91.8	92.5	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
81.5	92.8	94.0	95.1	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
81.5	93.5	94.6	95.8	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
81.5	94.0	95.5	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
81.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
81.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
81.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
81.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 782

WALLINGFORD AIR FORCE BASE
CONNECTICUT
METEOROLOGICAL SERVICE/MAO

CEILING VERSUS VISIBILITY

WALLINGFORD AIR FORCE BASE, CT

73-61

829

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1953-1954

54.1	54.9	55.1	55.2	55.6	55.8	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
54.1	51.7	52.2	52.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
54.7	61.8	62.3	62.7	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
54.7	62.2	62.7	63.1	63.7	63.7	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
55.1	62.5	63.1	63.3	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
55.4	64.0	64.5	65.1	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
55.6	66.2	66.3	67.3	68.0	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
55.1	66.5	67.2	67.7	68.3	68.3	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
55.7	67.7	68.3	68.8	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
55.3	68.1	69.1	69.7	70.3	70.3	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
55.7	69.1	69.7	70.3	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
55.1	70.4	71.2	71.8	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
52.6	71.3	72.2	72.8	73.4	73.4	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
53.1	71.3	72.7	73.3	73.9	73.9	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
53.5	72.3	73.7	74.3	74.9	74.9	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
54.3	73.7	74.7	75.4	76.1	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
56.2	76.2	77.2	77.9	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	78.8	78.8
57.5	78.6	79.5	80.4	81.4	81.4	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
58.1	79.4	80.4	81.3	82.3	82.3	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
59.1	81.4	82.5	83.5	84.5	84.5	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
59.3	83.7	85.2	86.2	87.2	87.3	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
61.2	85.7	87.3	88.4	89.4	89.5	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
61.2	86.2	87.9	89.2	90.3	90.4	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
61.3	88.4	89.2	89.5	90.6	90.8	91.3	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
61.5	87.3	89.2	90.6	91.8	91.9	92.4	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
61.3	88.4	90.4	91.9	93.1	93.3	94.0	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
61.3	88.7	90.9	92.8	94.1	94.3	95.3	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
61.9	88.8	91.1	93.3	94.6	94.8	96.0	97.0	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
61.9	88.8	91.1	93.3	94.6	94.8	96.3	97.3	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
61.9	88.8	91.1	93.3	94.6	94.8	96.3	97.5	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
61.9	88.8	91.1	93.3	94.6	94.8	96.3	97.5	97.9	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
61.9	88.8	91.1	93.3	94.6	94.6	96.3	97.5	97.9	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 822

U.S. AIR FORCE CLIMATOLOGY BRANCH
WAFSCAG
WAFS WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

WAFS ALL FLOWERS IAP, CA

70-51

82

PERCENTAGE TRENDS IN OCCURRENCE
FROM HOUR TO OBSERVATION

1200-1400

54.5	56.5	56.8	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
54.7	54.9	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
54.2	54.9	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
54.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
53.1	56.5	56.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
55.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
56.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
55.3	58.4	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
59.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
57.1	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
57.5	71.9	71.9	71.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
57.7	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
57.7	75.1	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	75.2	75.2	75.2	75.2	75.2
71.3	77.8	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
73.8	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
77.7	85.9	85.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
78.9	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
79.1	88.6	88.9	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	89.0
79.7	91.0	91.3	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
90.4	93.4	93.8	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
90.5	94.1	94.7	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
91.1	94.9	95.6	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
91.1	94.9	95.6	95.6	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	96.3	96.3	96.3
91.1	95.4	96.3	96.8	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
91.1	95.4	96.3	96.8	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
91.1	95.7	96.7	97.2	97.8	97.8	98.6	98.6	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.1	96.1	97.1	97.6	98.2	98.2	99.0	99.0	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
91.1	96.1	97.1	97.6	98.2	98.2	99.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
91.1	96.1	97.1	97.6	98.2	98.2	99.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
91.1	96.1	97.1	97.6	98.2	98.2	99.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
91.1	96.1	97.1	97.6	98.2	98.2	99.1	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 790

FEDERAL CLIMATOLOGY BRANCH
WASH DC 20541
A. W. MOORE SERVICE/NAO

CEILING VERSUS VISIBILITY

WILLIAMS FORT 1AP, OK

73-01

89

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1972

57.3	57.3	57.5	57.6	57.6	57.6	57.7	57.8	57.7	57.5	57.3	57.6	57.8	57.3	57.3	57.3
58.0	58.1	58.1	58.1	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
58.5	58.1	58.1	58.1	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
58.8	58.1	58.1	58.1	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
59.3	71.3	71.3	71.3	71.3	71.3	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
59.4	71.2	71.2	71.2	71.2	71.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
70.1	73.1	73.1	73.1	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
70.2	74.7	74.7	74.7	74.7	74.7	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
71.1	75.1	75.1	75.1	75.1	75.1	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
73.1	77.7	77.7	77.7	77.7	77.7	77.7	78.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
73.6	81.1	81.1	81.1	81.1	81.1	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
77.1	83.9	83.7	83.4	83.2	83.0	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
78.0	85.2	85.4	85.4	85.4	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
80.1	87.5	87.5	87.6	87.6	87.6	87.7	88.0	88.1	88.0	88.0	88.0	88.0	88.0	88.0	88.0
81.4	89.2	89.4	89.4	89.4	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
82.2	91.0	91.1	91.1	91.1	91.1	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
82.3	91.5	91.6	91.6	91.6	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
83.0	92.7	92.9	92.9	93.0	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
83.1	93.5	93.7	93.9	94.1	94.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
83.4	95.1	95.2	95.5	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
83.4	95.6	95.9	96.2	96.6	96.6	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
83.5	95.9	96.2	96.6	97.1	97.1	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
83.5	95.9	96.2	96.9	97.4	97.4	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
83.2	96.1	96.5	97.4	97.9	97.9	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
83.6	96.2	96.7	97.7	98.4	98.4	99.1	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
83.3	96.2	96.7	97.7	98.4	98.4	99.1	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
83.3	96.2	96.7	97.7	98.4	98.4	99.1	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
83.5	96.2	96.7	97.7	98.4	98.4	99.1	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
83.5	96.2	96.7	97.7	98.4	98.4	99.1	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 799

WINDSPEED DIRECTION

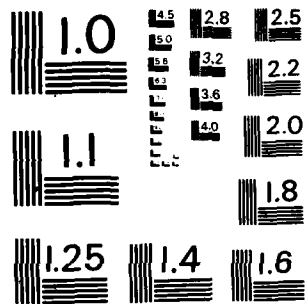
CEILING VERSUS VISIBILITY

NEW ENGLAND REGIONAL CENTER

100-1000

Table with 20 columns and 20 rows of numerical data representing observations.

TOTAL NUMBER OF OBSERVATIONS 795



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

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12 337 WILL ROGERS IAP OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-2600

USAF FORM 101

1000	35.1	42.9	44.3	45.2	46.5	46.5	47.2	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.8	48.4
900	41.2	50.7	51.9	53.3	54.6	54.6	55.3	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.9	56.5
800	41.3	50.1	52.1	53.4	54.7	54.7	55.4	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.7
700	41.3	50.2	52.2	53.5	54.8	54.8	55.6	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.8
600	41.5	50.5	52.4	53.8	55.1	55.1	55.8	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.4	57.0
500	44.1	53.1	55.2	56.5	58.0	58.0	58.7	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.9
400	47.3	57.4	59.4	61.0	62.5	62.5	63.2	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.8	64.4
300	49.1	58.4	60.4	62.0	63.4	63.4	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.8	65.4
200	49.9	61.0	63.1	64.6	66.2	66.2	66.9	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.5	68.2
100	50.7	62.0	64.2	65.7	67.3	67.3	68.0	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.6	69.2
000	50.8	62.3	64.5	66.2	67.8	67.8	68.5	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.7
1000	52.5	64.4	66.7	68.5	70.1	70.1	70.8	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.4	72.0
900	53.9	66.1	68.5	70.3	71.9	72.0	72.8	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.4	74.0
800	54.1	66.3	68.9	70.7	72.3	72.4	73.1	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.7	74.3
700	54.2	66.9	69.6	71.4	73.0	73.1	73.8	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.5	75.1
600	54.5	67.8	70.6	72.6	74.2	74.3	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.7	76.3
500	56.4	70.2	73.1	75.2	76.8	76.9	77.6	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.8
400	57.4	71.8	75.1	77.1	78.7	78.8	79.5	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.8
300	58.0	72.6	76.0	79.2	79.8	79.9	80.6	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.8
200	58.7	74.1	77.7	79.9	81.5	81.6	82.3	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.9	83.5
100	59.2	77.0	80.8	82.9	84.5	84.6	85.5	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.7
000	59.5	78.6	82.4	85.0	86.7	86.9	87.8	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.4	89.0
1000	59.7	79.7	84.0	86.9	88.6	88.9	89.8	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.4	91.0
900	61.1	80.8	85.1	88.0	89.8	90.4	91.6	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.5	93.1
800	61.4	81.5	86.1	89.3	91.3	91.9	93.1	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.9	94.6
700	61.4	81.8	86.6	90.3	92.5	93.1	94.6	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.5	96.1
600	61.4	82.0	86.8	90.8	93.2	93.8	95.3	95.9	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.5	97.1
500	61.4	82.2	87.3	91.8	94.3	94.9	96.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.7
400	61.4	82.2	87.3	91.9	94.6	95.3	97.1	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.7	99.3
300	61.4	82.2	87.4	92.0	94.7	95.4	97.2	98.2	98.2	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.6
200	61.4	82.2	87.4	92.0	94.7	95.4	97.3	98.3	98.3	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.9
100	61.4	82.2	87.4	92.0	94.7	95.4	97.3	98.3	98.3	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.9

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

72530 WILL ROGERS IAP OK

73-01

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1900-1100

CEILING	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
500	41.0	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
400	51.4	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
300	51.4	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
200	51.5	60.5	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
100	62.6	61.9	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
50	65.1	64.7	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
30	65.8	65.7	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
20	67.3	68.1	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
15	68.4	69.2	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
10	68.5	69.5	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
5	69.4	70.7	71.5	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
3	70.1	72.1	72.8	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2	70.5	72.7	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
1.5	70.6	72.8	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
1	71.3	74.8	75.5	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
0.5	73.6	77.7	78.5	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
0.25	76.1	82.9	83.6	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
0.1	76.7	84.4	85.1	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
0.05	78.3	86.8	87.6	88.6	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0.025	79.1	88.9	90.1	91.1	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0.01	79.7	90.2	91.3	92.5	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
0.005	79.9	91.8	92.7	93.4	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0.0025	79.9	91.5	93.1	94.8	95.8	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
0.001	79.9	91.8	93.4	95.4	96.8	96.9	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0.0005	79.9	92.4	94.2	96.7	98.3	98.5	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.00025	79.9	92.6	94.5	97.0	98.6	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.0001	79.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.00005	79.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.000025	79.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.00001	79.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 513

CEILING VERSUS VISIBILITY

2

72353

WILL ROGERS IAP OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	46.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
900	56.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
800	56.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
700	56.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
600	59.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
500	61.8	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
400	62.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
300	64.5	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
200	65.2	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
100	65.7	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
0	66.4	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
1000	68.1	75.6	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
900	69.7	77.3	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
800	70.8	78.5	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
700	74.3	83.2	83.5	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
600	76.6	86.5	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
500	78.4	89.5	89.8	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
400	78.8	89.8	90.3	90.9	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
300	79.8	91.9	92.0	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
200	80.2	93.3	94.3	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
100	80.4	94.3	95.5	96.5	96.6	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0	80.4	94.3	95.5	96.6	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1000	80.4	94.5	95.9	97.1	97.2	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
900	80.5	94.7	96.2	97.3	97.6	97.6	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
800	80.5	94.7	96.2	97.6	97.8	97.8	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
700	80.5	94.7	96.2	97.6	97.8	97.8	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
600	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
200	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
100	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	80.6	94.8	96.4	97.8	98.1	98.1	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	80.6	94.8	96.4	97.8	98.1	98.1	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

2033 WILL ROGERS IAP OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

1500-1700

64.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
65.1	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
65.1	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
65.1	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
65.4	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
67.0	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
68.8	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
68.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
71.4	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
72.2	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
72.5	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
74.1	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
75.9	81.5	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
77.7	83.5	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
79.1	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
81.9	88.9	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
84.1	91.7	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
85.3	93.5	93.6	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
85.4	93.8	93.9	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
85.6	94.5	94.7	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
85.9	94.9	95.3	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
85.9	95.6	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
85.9	95.6	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1
85.9	95.8	96.5	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3
85.9	96.1	96.7	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
86.0	96.3	97.1	97.8	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
86.0	96.5	97.2	98.0	98.8	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5
86.0	96.7	97.4	98.3	99.0	99.1	99.3	99.6	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
86.0	96.7	97.4	98.3	99.0	99.1	99.3	99.6	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
86.0	96.7	97.4	98.3	99.0	99.1	99.3	99.6	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
86.0	96.7	97.4	98.3	99.0	99.1	99.3	99.6	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
86.0	96.7	97.4	98.3	99.0	99.1	99.3	99.6	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 817

CEILING VERSUS VISIBILITY

123037 WILL ROGERS IAP OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS.

1800-2100

CEILING	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
11K	55.5	60.5	67.9	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
10K	63.8	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
9K	68.9	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	74.9	74.9	74.9	74.9
8K	65.9	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	74.9	74.9	74.9	74.9
7K	69.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6K	71.1	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	77.1	77.1	77.1
5K	72.3	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
4K	73.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
3K	74.7	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	80.9	80.9	80.9	80.9	80.9	80.9	80.9
2K	75.8	81.8	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	82.0
1K	76.1	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
0K	77.5	84.3	84.4	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	84.7	84.7
0K	78.3	85.2	85.4	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
0K	79.3	86.8	86.9	87.4	87.4	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
0K	80.3	88.1	88.3	88.9	88.9	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
0K	81.2	89.5	89.6	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
0K	82.4	91.0	91.3	92.1	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
0K	83.2	92.3	92.6	93.6	93.7	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	94.1
0K	83.4	92.5	92.9	93.8	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
0K	83.7	93.5	94.6	95.5	95.6	95.6	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
0K	84.1	93.8	95.0	96.0	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
0K	84.1	94.2	95.4	96.5	96.6	96.6	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
0K	84.1	94.2	95.4	96.5	96.6	96.6	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
0K	84.3	94.6	95.8	96.9	97.0	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	97.5	97.5	97.5
0K	84.3	94.9	96.1	97.2	97.3	97.3	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
0K	84.4	95.2	96.4	97.5	97.6	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
0K	84.5	95.3	96.5	97.8	98.1	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0K	84.6	95.4	96.6	97.9	98.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0K	84.7	95.5	96.7	98.1	98.3	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0K	84.7	95.5	96.7	98.1	98.3	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0K	84.7	95.5	96.7	98.1	98.3	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-037 WILL ROGERS IAP OK

73-01

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

2100-2300

CEILING (FEET)	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
500	59.2	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
550	56.5	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
600	56.5	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
650	67.0	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	73.6	73.6
700	69.2	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
750	71.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
800	71.7	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	79.3	79.3
850	72.6	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
900	73.3	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
950	73.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
1000	74.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
1050	76.1	85.1	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
1100	76.4	85.4	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
1150	76.7	85.9	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
1200	77.5	87.1	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1250	78.6	89.0	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1300	78.9	90.3	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
1350	79.0	90.4	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
1400	79.8	92.1	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
1450	80.3	93.3	93.9	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
1500	80.5	93.8	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
1550	80.6	94.2	95.1	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1600	80.9	94.4	95.5	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1650	81.0	94.6	95.7	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1700	81.4	95.1	96.3	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1750	81.4	95.1	96.3	97.3	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1800	81.5	95.5	97.0	98.5	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
1850	81.6	95.6	97.1	98.7	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
1900	81.6	95.6	97.1	98.7	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
1950	81.6	95.6	97.1	98.7	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 821

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22035 WILL ROGERS IAP OK

73-01

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING	30	26	24	22	20	18	16	14	12	10	8	6	4	2	0
1000	49.3	54.5	54.8	55.0	55.2	55.2	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.6
900	53.3	65.0	65.4	65.7	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.2	66.2
800	53.3	65.0	65.5	65.7	65.9	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3
700	52.7	65.4	65.8	66.1	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.7
600	52.4	67.3	67.8	68.0	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.6
500	62.6	69.9	70.4	70.6	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2
400	63.1	70.6	71.1	71.3	71.5	71.5	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.9
300	64.9	72.8	73.4	73.6	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.3
200	65.9	74.0	74.5	74.8	75.0	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.4
100	66.2	74.3	74.9	75.2	75.4	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8
50	67.4	76.0	76.6	77.0	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.6
25	68.7	77.7	78.3	78.8	79.0	79.1	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.5
15	69.4	78.7	79.3	79.8	80.0	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.5
10	71.0	79.5	80.2	80.7	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4
5	71.4	81.5	82.2	82.8	83.1	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.5
2	73.7	83.8	84.6	85.2	85.5	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.9	85.9	86.0
1	74.1	86.1	87.3	87.7	88.0	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.4
0	74.4	86.5	87.5	88.2	88.5	88.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.0
1000	75.2	88.1	89.3	90.0	90.4	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.9
900	76.0	89.5	90.8	91.7	92.0	92.1	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.6
800	76.2	90.4	91.9	92.8	93.3	93.3	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.8	93.8
700	76.3	90.8	92.4	93.5	93.9	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.6
600	76.5	91.4	93.1	94.4	94.9	95.0	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.6
500	76.6	91.9	93.7	95.1	95.7	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.5
400	76.7	92.3	94.3	95.9	96.7	96.8	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.7
300	76.8	92.5	94.5	96.3	97.1	97.3	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.3
200	76.9	92.7	94.9	96.9	97.7	97.9	98.6	98.8	98.8	99.1	99.1	99.1	99.2	99.2	99.3
100	76.9	92.7	95.0	97.0	97.9	98.1	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.6
50	76.9	92.8	95.0	97.1	97.9	98.2	98.9	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.8
25	76.9	92.8	95.1	97.1	97.9	98.2	98.9	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.9
15	76.9	92.8	95.1	97.1	97.9	98.2	98.9	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.9
10	76.9	92.8	95.1	97.1	97.9	98.2	98.9	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 6549

CEILING VERSUS VISIBILITY

72399

WILL ROGERS IAP OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

300-2200

1000	71.1	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
900	75.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
800	78.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
700	78.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
600	78.9	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
500	81.6	84.8	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
400	83.1	86.7	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
300	83.1	87.1	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	87.2	87.2
200	83.9	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100	84.3	88.2	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
0	84.4	88.4	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	88.6	88.6
>1000	85.6	89.7	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
900	86.8	91.3	91.5	91.5	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
800	87.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
700	88.1	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
600	88.5	93.5	93.8	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
500	89.5	95.2	95.6	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
400	89.9	95.9	96.3	96.3	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
300	90.1	96.3	96.7	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
200	90.8	97.1	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
100	91.4	97.8	98.2	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
>1000	91.1	98.2	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
900	92.1	98.5	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	99.1	99.1
800	92.1	98.5	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	99.1	99.1
700	92.2	98.6	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
600	92.1	98.7	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	92.3	98.9	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
400	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
300	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
200	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
100	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
>1000	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72553 WILL ROGERS IAP OK

73-61

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-2500

63.1	67.6	68.7	69.0	69.1	69.2	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
70.1	75.1	76.4	76.6	76.8	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
75.1	75.1	76.4	76.6	76.8	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
77.1	75.1	76.4	76.6	76.8	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
70.2	75.2	76.5	76.8	76.9	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
72.5	77.5	78.9	79.2	79.3	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
75.2	80.5	81.9	82.1	82.2	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
75.5	80.8	82.2	82.5	82.6	82.6	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
76.9	83.3	84.4	84.7	84.8	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
77.0	83.3	84.7	84.9	85.1	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
77.1	83.7	85.1	85.3	85.4	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
78.4	85.1	86.5	86.8	87.0	87.1	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
79.8	86.5	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
81.4	88.1	89.5	89.8	89.9	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
82.1	89.1	90.7	90.9	91.1	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
82.4	89.5	91.2	91.4	91.6	91.7	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
83.3	90.5	92.2	92.5	92.6	92.7	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
83.6	91.2	92.8	93.1	93.2	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
84.0	91.6	93.4	93.6	93.7	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
84.8	92.5	94.3	94.5	94.8	94.9	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
85.2	93.1	95.1	95.4	95.8	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
85.4	93.4	95.4	95.7	96.1	96.2	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
85.7	93.6	95.7	95.9	96.3	96.4	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
86.1	94.0	96.2	96.4	96.8	96.9	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
86.7	94.1	96.3	96.6	96.9	97.1	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
86.8	94.3	96.4	96.7	97.1	97.2	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
86.8	94.6	96.8	97.2	97.6	97.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
86.1	94.6	97.7	98.1	98.5	98.6	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
86.2	94.9	98.0	98.3	98.7	98.9	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
86.2	94.9	98.0	98.3	98.7	98.9	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.2	94.9	98.0	98.3	98.7	98.9	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 783

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

JETCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-2600

57.3	65.7	61.3	61.8	62.2	62.2	62.6	62.6	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8
56.5	63.1	68.7	69.2	69.6	69.6	70.0	70.0	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4
56.5	63.1	68.7	69.2	69.6	69.6	70.0	70.0	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4
57.3	69.0	69.6	70.1	70.5	70.5	70.9	70.9	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2
60.2	72.0	72.7	73.2	73.6	73.6	74.1	74.1	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5
62.4	74.6	75.4	75.9	76.3	76.3	76.9	77.0	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4
63.4	75.8	76.5	77.0	77.4	77.4	78.0	78.1	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5
65.1	77.9	78.9	79.3	79.6	79.6	80.3	80.4	80.5	80.5	80.5	80.5	80.8	80.8	80.8	80.8
65.8	78.6	79.5	80.0	80.4	80.4	81.0	81.2	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5
66.0	78.8	79.6	80.2	80.5	80.5	81.2	81.3	81.4	81.4	81.4	81.4	81.7	81.7	81.7	81.7
68.1	80.9	81.3	82.3	82.8	82.8	83.4	83.5	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9
69.2	82.4	83.4	84.0	84.5	84.5	85.2	85.3	85.4	85.4	85.4	85.4	85.7	85.7	85.7	85.7
69.3	82.7	83.7	84.3	84.8	84.8	85.4	85.6	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9
70.7	83.5	84.5	85.2	85.7	85.8	86.4	86.6	86.7	86.7	86.7	86.7	86.9	86.9	86.9	86.9
70.1	83.7	84.7	85.4	85.9	86.1	86.7	86.9	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3
70.7	84.7	85.7	86.4	86.9	87.1	87.7	87.9	88.1	88.1	88.1	88.1	88.3	88.3	88.3	88.3
71.7	86.4	87.4	88.2	88.7	88.8	89.4	89.7	89.8	89.8	89.8	89.8	90.1	90.1	90.1	90.1
72.4	87.1	88.1	88.8	89.3	89.4	90.1	90.3	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7
72.9	87.8	88.8	89.6	90.1	90.2	90.8	91.1	91.2	91.2	91.2	91.2	91.5	91.5	91.5	91.5
73.9	89.3	90.6	91.3	91.8	92.0	92.6	92.8	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2
74.5	90.3	92.0	92.8	93.3	93.5	94.2	94.5	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8
74.5	90.6	92.2	93.2	93.7	93.8	94.6	94.8	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2
74.6	91.0	92.6	93.7	94.2	94.3	95.1	95.4	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
74.7	91.2	92.8	94.0	94.5	94.6	95.5	95.7	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1
74.9	91.7	93.3	94.5	95.0	95.1	96.0	96.2	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6
74.9	92.1	94.5	95.7	96.2	96.4	97.4	97.6	97.7	97.9	97.9	97.9	98.1	98.1	98.1	98.1
75.0	92.2	94.6	96.0	96.5	96.6	98.0	98.2	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.7
75.1	92.3	94.7	96.1	96.7	96.9	98.2	98.6	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2
75.1	92.3	94.7	96.1	96.7	96.9	98.2	98.6	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.4
75.1	92.3	94.7	96.1	96.7	96.9	98.2	98.6	98.7	99.0	99.0	99.0	99.4	99.4	99.4	99.7
75.1	92.3	94.7	96.1	96.7	96.9	98.2	98.6	98.7	99.0	99.0	99.0	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 796

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILLIAMS AFB, TEXAS

73-01

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1951

63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
63.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
63.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
64.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
64.1	72.3	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
64.2	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
64.3	76.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
64.5	77.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
64.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
64.7	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	82.2	82.2
64.8	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	82.2	82.2
64.9	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
65.0	83.6	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
65.1	85.1	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
65.2	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
65.3	89.3	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
65.4	92.5	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
65.5	95.2	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
65.6	95.6	95.7	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
65.7	97.1	97.2	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
65.8	97.3	97.5	97.7	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
65.9	97.7	97.9	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
66.0	98.2	98.4	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
66.1	98.4	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
66.2	98.5	98.5	98.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
66.3	98.5	98.6	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
66.4	98.5	98.7	99.1	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
66.5	98.5	98.7	99.1	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
66.6	98.5	98.7	99.1	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
66.7	98.5	98.7	99.1	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
66.8	98.5	98.7	99.1	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
66.9	98.5	98.7	99.1	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
67.0	98.5	98.7	99.1	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 791

FEDERAL BUREAU OF SURVEY
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP, OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
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	89.3	89.3	89.3
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	91.3	91.3
92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
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	97.7	97.7	97.7	97.7	97.7	97.7	97.7
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	98.5
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	99.0	99.0	99.0	99.0
99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	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	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	99.6	99.6	99.6	99.6
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.9	99.9	99.9	99.9	99.9	99.9	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
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
METECAD
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP, OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2400

74.6	76.3	76.3	76.3	76.3	76.3	76.4	76.4	75.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
84.3	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
84.3	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
84.3	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
85.3	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
86.7	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
88.3	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
89.5	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
89.4	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
89.7	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
90.1	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
91.4	94.1	94.1	94.1	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
91.1	94.6	94.6	94.6	94.6	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
91.8	95.8	95.9	96.0	96.0	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
92.0	96.1	96.1	96.3	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
92.1	96.4	96.5	96.6	96.6	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
92.4	96.9	97.1	97.1	97.1	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
92.9	97.6	97.8	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
93.7	97.5	97.8	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
93.7	97.9	98.1	98.1	98.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
93.3	98.4	98.5	98.6	98.6	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
93.3	98.6	98.8	98.9	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
93.3	98.6	98.8	98.9	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
93.3	98.6	98.8	98.9	98.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.4	98.9	99.1	99.1	99.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 872

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

73-81 WILL ROGERS IAP OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

64.3	68.6	68.9	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
72.7	77.5	77.8	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
72.8	77.5	77.8	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
73.3	78.1	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
75.6	80.6	80.9	81.0	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
77.7	82.9	83.3	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
78.2	83.5	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
79.6	85.2	85.6	85.6	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
80.1	85.7	86.1	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5
80.3	86.0	86.4	86.5	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
81.2	87.2	87.6	87.7	87.8	87.8	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
82.3	88.4	88.9	89.0	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4
83.2	89.5	90.0	90.1	90.2	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
83.8	90.3	90.8	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
84.5	91.4	91.9	92.1	92.2	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
85.4	92.7	93.3	93.5	93.6	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
86.3	94.1	94.6	94.9	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
86.6	94.4	95.1	95.3	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
87.1	95.4	96.0	96.2	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
87.5	96.0	96.7	97.0	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
87.8	96.5	97.2	97.5	97.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
87.9	96.7	97.4	97.7	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
87.9	96.8	97.5	97.9	98.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
88.0	96.9	97.7	98.0	98.2	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
88.0	97.0	97.8	98.2	98.4	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
88.0	97.2	98.1	98.5	98.7	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.0	97.2	98.2	98.7	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
88.1	97.3	98.3	98.8	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
88.1	97.3	98.3	98.8	99.0	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
88.1	97.3	98.3	98.8	99.0	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
88.1	97.3	98.3	98.8	99.0	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6341

JOURNAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-3 WILL ROGERS IAP OK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-2200

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
76.1	79.8	81.5	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	80.6	80.6	80.6	80.6
81.1	85.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
81.1	85.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
81.2	85.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
81.2	85.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
82.1	86.4	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
85.5	90.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
85.6	90.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
86.4	91.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
87.1	92.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
87.8	93.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
88.6	94.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
89.1	95.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
89.1	95.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
89.2	95.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
89.4	96.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
89.4	96.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
89.4	96.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
89.5	96.2	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
89.9	96.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
89.9	97.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
89.9	97.2	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
90.1	97.6	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	99.0	99.0	99.0	99.0	99.0
90.1	97.6	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	99.0	99.0	99.0	99.0	99.0
90.0	97.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
90.1	98.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
90.2	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.2	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.3	98.4	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	100.0	100.0	100.0	100.0
90.3	98.4	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	100.0	100.0	100.0	100.0
90.3	98.4	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	100.0	100.0	100.0	100.0
90.3	98.4	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	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 113

USAF ETAC 0-14-5 DU A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12:00

WILL ROGERS IAP OK

73-61

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-1500

75.7	75.2	75.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
75.7	81.1	82.1	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
75.7	81.1	82.1	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
75.7	81.1	82.1	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
76.9	82.9	83.7	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
80.9	87.2	88.2	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
81.3	87.5	88.5	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
81.9	88.2	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
82.3	88.5	89.5	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
83.2	89.9	91.1	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
84.6	91.5	92.7	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
85.6	93.2	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
85.6	93.2	94.5	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
85.9	93.6	94.9	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
86.1	94.5	95.8	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
86.2	94.6	95.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
86.6	94.9	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
86.7	95.1	96.4	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
86.9	95.3	96.7	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
87.3	95.7	97.1	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
87.3	95.9	97.3	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
87.3	95.9	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
87.3	95.9	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
87.5	96.3	97.7	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
87.5	96.7	98.1	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.5	96.7	98.0	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2773

WILL ROGERS IAP OK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-2400

61.8	70.1	71.4	71.8	73.1	73.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
68.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
69.8	79.3	80.7	81.1	82.4	82.5	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
73.4	83.5	85.4	85.8	87.1	87.2	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
73.9	84.0	85.9	86.3	87.6	87.7	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
74.6	85.1	87.0	87.3	88.7	88.8	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
75.7	86.1	88.2	88.6	89.9	90.0	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
76.5	87.3	89.2	89.5	90.8	91.0	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
77.5	88.2	90.4	90.8	92.2	92.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
77.5	88.2	90.4	90.8	92.2	92.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
77.8	88.6	90.7	91.2	92.5	92.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
78.3	88.8	91.1	91.4	92.8	92.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
78.3	89.0	91.2	91.7	93.0	93.1	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
78.3	89.2	91.3	91.8	93.1	93.3	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
78.5	89.4	91.6	92.0	93.4	93.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
78.4	89.5	91.7	92.2	93.5	93.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
78.9	90.0	92.2	92.7	94.0	94.1	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
79.4	91.0	93.1	93.6	95.2	95.3	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
79.6	91.3	93.5	94.2	95.8	95.9	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
79.6	91.3	93.5	94.3	95.9	96.0	97.5	97.6	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
79.6	91.6	93.7	94.7	96.4	96.5	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
79.6	91.6	93.7	94.7	96.4	96.5	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
79.6	91.7	94.0	94.9	96.6	96.7	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
79.8	91.9	94.2	95.2	96.9	97.2	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

WILL ROGERS IAP OK

73-61

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1922-1929

57.8	75.1	75.3	76.2	75.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
71.3	79.3	80.7	81.0	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
71.3	79.3	80.7	81.0	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
71.4	79.3	80.8	81.1	81.5	81.6	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
72.9	81.6	82.5	82.9	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
76.3	85.3	86.7	87.1	87.5	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
77.1	86.1	87.1	87.5	87.8	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
78.2	87.6	88.6	88.9	89.4	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
79.6	88.1	89.3	89.7	90.3	90.4	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
79.2	88.9	90.3	90.6	91.2	91.4	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	92.0
79.2	88.9	90.3	90.6	91.2	91.4	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	92.0
79.8	89.7	91.1	91.4	92.0	92.1	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
79.8	89.7	91.1	91.4	92.0	92.1	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
80.2	90.3	91.6	92.0	92.6	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
80.5	90.9	92.2	92.7	93.4	93.6	94.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
81.1	91.7	93.1	93.6	94.3	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
81.4	92.2	93.6	94.0	94.8	94.9	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
81.9	92.9	94.3	94.8	95.5	95.6	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
82.6	93.9	95.4	96.1	96.8	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
82.8	94.4	96.1	96.7	97.4	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
82.9	94.4	96.1	96.7	97.6	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
83.1	94.6	96.2	97.0	97.8	97.9	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
83.0	94.6	96.2	97.0	97.8	97.9	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
83.1	94.8	96.4	97.3	98.2	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
83.3	95.0	96.5	97.6	98.4	98.7	99.4	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
83.3	95.0	96.5	97.6	98.4	98.7	99.4	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
83.3	95.0	96.5	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
83.3	95.0	96.5	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
83.3	95.1	96.6	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
83.3	95.1	96.6	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 822

USA METAC 14-5 DE A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

CEILING VERSUS VISIBILITY

2550 WILL ROGERS IAP, OK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12-0-1410

71.4	76.8	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
73.5	85.4	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
73.5	85.4	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
78.5	85.5	86.7	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
79.7	86.0	86.5	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
80.2	87.2	87.7	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
81.9	89.3	89.7	90.2	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
82.7	89.4	89.9	90.3	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
83.1	90.5	91.0	91.4	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
83.1	90.6	91.1	91.6	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
83.2	90.7	91.3	91.8	91.9	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
83.6	91.2	92.2	92.6	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
84.3	92.0	93.7	93.5	93.6	93.6	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
84.4	92.4	93.4	94.2	94.3	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
84.6	93.0	94.7	94.8	94.9	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
84.7	93.5	94.5	95.3	95.4	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
85.6	94.6	95.5	96.4	96.5	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
86.5	95.5	96.5	97.3	97.5	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
86.5	95.5	96.5	97.3	97.5	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
87.1	96.0	97.0	97.8	97.9	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
87.1	96.1	97.1	97.9	98.1	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
87.2	96.4	97.3	98.3	98.4	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
87.5	96.7	97.7	98.8	98.9	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.6	96.9	97.8	98.9	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 829

CENTRAL CLIMATOLOGY BRANCH
 WAFB TAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1500-1700

75.6	78.4	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
83.9	87.5	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
83.9	87.5	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
84.9	88.4	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
86.3	93.4	93.5	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
88.4	92.4	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
88.8	92.6	92.7	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
89.3	93.3	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
89.3	93.4	93.5	94.0	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
89.4	93.5	93.7	94.2	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
90.1	94.4	94.8	95.2	95.2	95.2	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
90.1	94.9	95.1	95.5	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
90.6	95.7	96.1	96.7	96.7	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
91.0	96.5	96.7	97.4	97.4	97.4	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
91.0	96.5	96.9	97.6	97.6	97.6	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
91.4	97.7	97.9	98.7	98.7	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
92.3	98.4	98.7	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
92.3	98.4	98.7	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
92.3	98.4	98.7	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
92.3	98.4	98.7	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
92.3	98.4	98.7	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
92.3	98.4	98.8	99.5	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.3	98.4	98.8	99.5	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.3	98.4	98.8	99.5	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.3	98.4	98.8	99.5	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.3	98.4	98.8	99.5	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
92.3	98.4	98.8	99.5	99.5	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 821

FEDERAL CLIMATOLOGY BRANCH
WASH DC 20540
METEOROLOGICAL SERVICE/440

CEILING VERSUS VISIBILITY

12523 WILL ROGERS IAP, OK.

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

74.7	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
84.7	89.1	89.5	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
85.1	89.3	89.7	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
85.3	89.3	89.7	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
86.2	91.4	91.8	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
87.1	93.9	94.4	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
89.2	94.1	94.5	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
89.0	94.4	94.9	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
90.1	95.5	96.1	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
90.3	95.8	96.4	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
90.7	96.5	97.1	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
90.9	96.7	97.3	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
90.9	97.1	97.8	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
90.9	97.2	97.9	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
90.9	97.2	97.9	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
90.9	97.5	98.2	99.0	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
90.9	97.6	98.3	99.2	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
90.9	97.6	98.3	99.2	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
91.0	97.7	98.4	99.3	99.6	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
91.0	97.7	98.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.0	97.7	98.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.0	97.7	98.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.0	97.7	98.5	99.5	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
91.0	97.7	98.5	99.5	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
91.0	97.7	98.5	99.5	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
91.0	97.7	98.5	99.5	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
91.0	97.7	98.5	99.5	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
91.0	97.7	98.5	99.5	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 425

USAF ETAC

FEDERAL CLIMATOLOGY BRANCH
METAS
AGRICULTURAL SERVICE

CEILING VERSUS VISIBILITY

WALL FLOWERS IAP 201

75-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

75.1	77.1	77.7	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	79.3	79.7	79.7	79.8
79.3	84.2	84.3	85.2	85.5	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
78.4	84.2	84.3	85.3	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
78.5	84.2	84.3	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
79.5	84.5	85.2	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
79.9	85.2	86.5	87.0	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
82.6	89.3	91.1	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
93.1	89.5	91.3	91.8	91.8	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
93.4	90.5	91.3	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
94.1	91.2	92.0	92.4	92.7	92.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
94.3	91.5	92.4	93.0	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
95.5	92.6	93.5	94.1	94.4	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
95.8	93.2	94.2	94.7	95.0	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
95.1	93.5	94.5	95.2	95.5	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
96.2	93.9	94.9	95.5	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
96.3	94.3	95.3	95.9	96.2	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
96.6	94.7	95.8	96.4	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
97.1	95.2	96.2	96.6	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
97.1	95.3	96.3	96.9	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
97.3	95.6	96.7	97.3	97.6	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
97.5	96.0	97.1	97.7	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
97.7	96.2	97.3	98.0	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
97.7	96.3	97.4	98.1	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
97.7	96.4	97.4	98.2	98.6	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
97.8	96.4	97.5	98.3	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
97.8	96.5	97.7	98.5	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
97.9	96.6	97.8	98.6	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
97.9	96.6	97.8	98.6	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
97.9	96.6	97.8	98.7	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.9	96.6	97.8	98.7	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.9	96.6	97.8	98.7	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5578

NATIONAL CLIMATOLOGY BRANCH
WASH DC
METEOROLOGICAL SERVICE/44C

CEILING VERSUS VISIBILITY

WIND HILL ROYAL IAP, OK

73-61

341

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-0500

65.6	71.7	72.5	71.5	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
71.2	76.5	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	77.5	77.5	77.5
71.7	76.7	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	77.6	77.6
70.7	75.7	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	77.6	77.6
73.7	80.5	80.7	81.7	81.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
71.9	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
71.2	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
81.7	89.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
82.4	91.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
83.5	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
84.5	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
85.3	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
85.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
86.0	94.5	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
86.2	94.7	95.7	95.7	95.7	95.7	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
86.5	95.3	96.3	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	96.4	96.4	96.4	96.4
87.0	95.8	96.9	96.9	96.9	96.9	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	97.1
87.1	96.0	97.1	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	97.2	97.2	97.2	97.2
87.5	96.3	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
87.6	96.4	97.5	97.7	97.8	97.8	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
87.7	96.7	97.9	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
87.7	97.2	98.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
87.7	97.2	98.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
87.7	97.4	98.8	99.3	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
87.7	97.4	99.0	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
87.7	97.5	99.1	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
87.7	97.7	99.3	99.6	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	100.0
87.7	97.7	99.3	99.6	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	100.0
87.7	97.7	99.3	99.6	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	100.0

TOTAL NUMBER OF OBSERVATIONS 316

DATA FROM 1945 TO 1949 ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
AF/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

WILL ROGERS IAP OK

73-81

1950

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1612-2422

62.7	66.1	69.2	70.9	71.6	71.8	72.2	72.3	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7
55.7	71.5	73.7	75.4	76.1	76.3	76.7	76.8	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2
56.9	71.9	73.9	75.6	76.3	76.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
56.4	71.9	73.9	75.6	76.3	76.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
57.1	71.1	74.1	75.7	76.5	76.7	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5
59.1	73.5	76.6	78.3	79.1	79.2	79.6	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
54.3	78.9	81.9	83.7	84.5	84.7	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6
54.7	74.5	82.5	84.3	85.1	85.3	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2
60.4	83.6	86.3	88.7	89.4	89.7	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5
61.7	84.5	87.4	89.6	90.3	90.5	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4
61.8	85.7	88.8	90.8	91.5	91.7	92.1	92.2	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6
61.3	86.4	89.6	91.5	92.2	92.5	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4
61.4	86.7	89.8	91.7	92.5	92.7	93.2	93.3	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7
61.8	87.3	90.4	92.4	93.1	93.3	93.8	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
70.9	87.7	90.9	92.8	93.6	93.8	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8
71.1	87.9	91.1	93.0	93.7	93.9	94.4	94.5	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9
71.1	88.1	91.3	93.2	93.9	94.2	94.7	94.8	95.1	95.0	95.0	95.0	95.0	95.1	95.1	95.1
71.5	88.6	92.2	94.3	95.0	95.3	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4
71.6	88.8	92.5	94.5	95.3	95.5	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7
71.8	89.1	92.8	94.9	95.6	95.9	96.5	96.7	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
72.1	89.3	93.1	95.1	95.9	96.4	97.0	97.2	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
72.1	89.3	93.1	95.3	96.1	96.5	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
72.1	89.6	93.3	95.5	96.2	96.7	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
72.1	90.2	94.2	96.4	97.1	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
72.1	90.2	94.2	96.4	97.1	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
72.2	90.3	94.3	96.5	97.2	97.7	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
72.2	90.3	94.3	96.5	97.2	97.8	98.5	99.0	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
72.2	90.3	94.3	96.5	97.2	97.8	98.7	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
72.2	90.3	94.3	96.5	97.2	97.8	98.7	99.3	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
72.2	90.3	94.3	96.5	97.2	97.8	98.7	99.3	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
72.2	90.3	94.3	96.5	97.2	97.8	98.7	99.3	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 324

2
NATIONAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/442

CEILING VERSUS VISIBILITY

3 100 HOURS IAP, CA

73-01

T15

400

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

900-1100

71.7	71.3	71.5	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	71.7
75.7	77.6	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
75.7	77.6	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
76.4	78.4	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
83.2	80.5	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
74.1	87.3	87.6	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	87.8	87.8
74.2	87.2	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
76.4	89.5	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
77.1	90.3	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
77.8	91.2	92.3	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	92.7
78.1	91.5	92.7	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
78.2	91.6	92.7	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
78.2	91.6	92.7	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
78.4	91.8	92.9	93.3	93.4	93.5	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
78.7	92.2	93.3	93.7	93.8	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
79.4	93.1	94.3	94.6	94.8	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
79.8	93.8	95.1	95.5	95.6	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
79.9	94.0	95.4	95.7	95.9	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
80.1	94.3	96.2	96.6	96.7	96.8	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
80.4	95.0	96.6	97.0	97.2	97.3	97.7	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
80.4	95.2	97.2	97.6	97.8	97.9	98.3	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
80.4	95.2	97.2	97.6	97.8	98.1	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
80.5	95.5	97.6	97.9	98.2	98.4	98.8	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
80.5	95.5	97.6	97.9	98.3	98.5	98.9	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
80.6	95.6	97.7	98.1	98.4	98.7	99.1	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
80.6	95.6	97.7	98.1	98.4	98.7	99.1	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
80.6	95.6	97.7	98.1	98.4	98.7	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
80.6	95.6	97.7	98.1	98.4	98.7	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
80.6	95.6	97.7	98.1	98.4	98.7	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.6	95.6	97.7	98.1	98.4	98.7	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.6	95.6	97.7	98.1	98.4	98.7	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 521

FEDERAL BUREAU OF SURVEILLANCE
 METEOROLOGICAL SERVICE/AMC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-01

AMC

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1200-1600

65.3	71.7	71.9	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.6	71.8	71.6	71.8	71.6	71.6	71.6
71.2	76.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
71.9	76.6	78.8	78.8	75.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
71.9	76.9	78.8	78.8	75.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
72.8	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
75.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
81.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
81.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
82.9	90.4	91.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
93.2	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
93.3	91.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
95.9	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
94.9	92.6	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
95.2	92.9	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
96.1	94.1	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
96.9	94.5	94.7	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	95.1
97.3	95.5	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
97.8	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
98.3	96.8	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
98.6	97.7	98.2	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
98.6	97.8	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
98.6	97.9	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
98.6	97.9	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
98.6	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.6	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS _____ 119

FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D. C. 20515
OFFICE OF CLIMATE SERVICE/AMC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP, OK

7181

AVE

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-2100

72.4	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
84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	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
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
85.5	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	85.5	85.5	85.5
87.1	92.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
93.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
94.2	94.3	94.3	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
95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
96.1	96.6	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
97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
97.9	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	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	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	98.3	98.3	98.3	98.3	98.3	98.3	98.3
98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 822

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE DIVISION

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

75-31

30-

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

11-3-2322

4.4	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
79.4	82.7	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
79.4	82.7	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
74.4	82.7	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
77.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
81.6	85.2	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	85.5
85.7	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
86.3	89.9	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
88.8	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
89.7	93.5	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
90.2	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	94.6	94.6	94.6
91.3	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
91.7	95.7	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
91.9	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
92.4	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
92.4	96.6	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
92.9	97.2	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
93.2	97.4	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
93.2	97.4	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
93.3	97.6	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
93.5	98.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
93.7	98.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
93.7	98.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
93.7	98.4	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
93.7	98.4	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	99.8	99.8
93.7	98.4	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	99.8	99.8
93.7	98.4	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	99.8	99.8
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
93.7	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 119

WETLAND CLIMATOLOGY BRANCH
 WFLM/TAC
 AIR WEATHER SERVICE/AMA

CEILING VERSUS VISIBILITY

2000 WILL HUSERS IAP CA

73-61

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1000-0000

65.2	64.6	65.9	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
65.1	72.2	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	73.6	73.6	73.6
65.1	72.2	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	73.6	73.6	73.6
65.2	72.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
65.5	72.7	73.6	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
67.8	75.4	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
71.4	79.8	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
72.8	81.0	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
74.3	83.4	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
74.8	83.9	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
74.9	84.1	85.6	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
75.6	84.9	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
76.7	86.1	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
77.7	87.3	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
78.1	88.2	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
78.7	89.4	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
79.3	89.7	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
79.7	90.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
79.8	91.1	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
80.5	91.7	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
80.6	92.3	94.1	94.3	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
80.9	92.8	94.7	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
81.1	93.2	95.1	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
81.2	94.1	96.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
81.2	94.1	96.1	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
81.2	94.5	96.6	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
81.2	94.5	96.7	97.7	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
81.2	94.6	97.7	98.1	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
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 724

FEDERAL BUREAU OF SURVEY
METEOROLOGICAL SERVICE
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WILL ROGERS IAP, OK

73-31

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-1500

55.5	63.4	63.7	64.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.4	65.6	
65.2	66.3	66.5	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.2	70.4
69.2	68.3	68.5	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.2	70.4	
69.5	68.5	68.8	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.4	70.7	
65.7	75.3	76.1	76.8	77.3	77.3	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7	78.0	78.2	
68.2	75.5	76.6	77.3	77.8	77.8	77.8	78.2	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.5	78.7	
66.5	77.1	78.1	78.9	79.4	79.4	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.7	79.7	80.0	80.3	
67.5	78.7	79.7	80.5	81.0	81.0	81.0	81.1	81.1	81.3	81.3	81.3	81.3	81.4	81.4	81.7	81.9	
68.2	79.4	80.4	81.1	81.7	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.3	82.5	
68.7	80.1	81.1	81.8	82.3	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.6	82.6	82.9	83.2	
69.6	81.8	82.8	83.6	84.1	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.5	84.5	84.7	85.0	
70.6	83.2	84.2	85.0	85.5	85.5	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.9	85.9	86.1	86.4	
71.2	84.2	85.2	86.0	86.5	86.5	86.5	86.6	86.6	86.8	86.8	86.8	86.8	86.9	86.9	87.1	87.4	
71.4	85.1	86.2	87.0	87.5	87.5	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.9	87.9	88.2	88.4	
72.7	86.0	87.1	87.9	88.4	88.4	88.4	88.5	88.5	88.7	88.7	88.7	88.8	88.8	88.8	89.0	89.3	
73.9	87.3	88.4	89.2	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	90.1	90.1	90.3	90.6	
73.9	87.3	88.7	89.4	89.9	89.9	89.9	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.6	90.8	
74.4	88.5	90.0	91.1	91.6	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	92.1	92.1	92.2	92.5	
74.5	88.9	90.7	91.6	92.1	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.7	92.7	93.0	93.2	
75.2	90.1	91.8	92.9	93.4	93.4	93.6	93.8	93.8	93.9	93.9	93.9	93.9	94.2	94.2	94.3	94.5	
75.3	90.3	92.1	93.1	93.6	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.3	94.3	94.5	94.8	
75.5	90.7	92.5	93.5	94.1	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.8	94.8	95.0	95.3	
75.8	91.3	93.1	94.3	94.9	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.5	95.5	95.8	96.1	
75.9	92.1	94.0	95.2	95.8	96.1	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.6	96.6	96.8	97.1	
75.9	92.4	94.3	96.2	96.9	97.2	97.5	97.6	97.6	98.0	98.0	98.0	98.0	98.1	98.1	98.3	98.6	
75.9	92.4	94.3	96.2	97.1	97.3	97.7	97.8	97.8	98.2	98.2	98.2	98.2	98.3	98.3	98.6	98.9	
75.9	92.4	94.4	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.5	98.5	98.5	98.6	98.6	98.9	99.1	
75.9	92.4	94.4	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.6	98.6	98.6	98.7	98.7	99.0	99.2	
75.9	92.4	94.8	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.6	98.6	98.6	98.7	98.9	99.2	99.6	
75.9	92.4	94.8	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.6	98.6	98.6	98.9	99.0	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 785

FEDERAL AVIATION ADMINISTRATION
METEOROLOGICAL SERVICE
WILCOX, ALASKA

CEILING VERSUS VISIBILITY

WILCOX, ALASKA

73-51

307

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1540-0500

42.4	51.5	54.0	55.6	56.2	56.5	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5
45.6	56.4	58.5	60.4	61.0	61.3	61.8	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.7
46.6	56.4	58.5	60.4	61.0	61.3	61.8	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.7
46.7	57.4	59.5	61.4	62.0	62.3	62.8	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.7
46.3	59.3	61.8	63.4	64.1	64.4	64.9	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.8
48.3	64.1	65.7	68.5	69.2	69.7	70.5	70.7	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.4
53.2	65.3	68.0	69.7	70.5	71.0	71.9	72.0	72.0	72.1	72.3	72.3	72.3	72.3	72.3	72.6
55.5	65.5	71.5	73.5	74.3	74.8	75.5	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.4
56.4	69.9	72.9	74.8	75.5	76.0	76.8	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.7
57.7	70.5	73.8	75.7	76.4	76.9	77.7	77.9	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.6
57.6	71.8	74.9	76.8	77.6	78.1	78.8	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.8
58.3	72.8	76.0	77.9	78.7	79.2	79.9	80.2	80.2	80.3	80.5	80.5	80.5	80.5	80.5	81.0
58.5	73.1	76.4	78.3	79.1	79.6	80.3	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8	81.3
59.1	74.4	77.7	79.6	80.3	80.8	81.6	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.6
59.4	74.7	78.2	80.1	80.8	81.3	82.2	82.5	82.5	82.7	82.8	82.8	82.8	82.8	83.0	83.4
60.2	75.5	79.3	81.3	82.1	82.6	83.5	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.5
61.2	76.3	80.7	82.7	83.5	84.2	85.0	85.2	85.2	85.5	85.6	85.6	85.6	85.6	85.6	86.1
61.4	77.3	81.2	83.5	84.2	84.7	85.9	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.5	87.0
61.7	77.9	81.8	84.2	85.0	85.5	86.6	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.6
62.5	79.4	83.5	86.0	87.0	87.5	88.7	88.9	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.8
63.2	80.6	84.7	87.4	88.4	88.9	90.0	90.3	90.3	90.5	90.7	90.7	90.7	90.7	90.7	91.2
63.7	81.5	85.5	88.3	89.3	89.8	90.9	91.2	91.2	91.4	91.6	91.6	91.6	91.6	91.6	92.1
63.8	82.2	86.4	89.1	90.0	90.5	91.7	91.9	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.8
63.7	83.2	87.4	90.2	91.2	91.8	92.9	93.2	93.2	93.4	93.7	93.7	93.7	93.7	93.7	94.2
64.1	83.9	88.1	91.0	91.9	92.0	93.7	93.9	93.9	94.2	94.5	94.5	94.5	94.5	94.5	95.0
64.1	84.1	89.5	91.6	92.7	93.3	94.8	95.1	95.1	95.3	95.6	95.6	95.6	95.6	95.6	96.1
64.1	84.2	89.9	92.1	93.4	94.2	95.7	96.1	96.1	96.5	96.8	96.8	96.8	96.8	96.8	97.3
64.1	84.5	89.7	92.3	93.7	94.6	96.2	96.7	96.7	97.2	97.9	97.9	97.9	97.9	97.9	98.4
64.1	84.5	89.7	92.3	93.7	94.7	96.5	97.0	97.0	97.5	98.1	98.1	98.1	98.1	98.1	98.6
64.1	84.5	89.7	92.3	93.7	94.7	96.5	97.0	97.0	97.5	98.2	98.2	98.2	98.2	98.2	98.7
64.1	84.5	89.7	92.3	93.7	94.7	96.5	97.0	97.0	97.5	98.2	98.2	98.2	98.2	98.2	98.7

TOTAL NUMBER OF OBSERVATIONS 723

SAFETY: ...

FEDERAL BUREAU OF SURVEY
 WASHINGTON, D. C.

CEILING VERSUS VISIBILITY

WILL ROGERS INT. CR.

73-01

682

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1922-1100

48.2	56.1	56.4	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
48.9	59.2	61.2	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
49.2	61.1	62.1	62.6	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
49.2	61.1	62.1	62.6	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
50.6	62.6	63.7	64.2	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
52.2	64.2	66.1	66.5	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
55.7	69.9	71.4	71.9	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
56.7	70.9	72.4	72.9	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
56.5	73.8	75.3	75.8	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
58.3	74.3	75.8	76.3	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
58.6	75.2	76.9	77.4	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
59.4	76.2	78.1	78.5	79.1	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
59.5	76.5	78.7	79.3	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
60.4	76.9	79.1	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
61.7	77.2	79.5	80.4	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
61.2	77.7	80.1	80.9	81.4	81.4	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
63.1	79.3	82.3	83.1	83.6	83.6	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
63.7	81.1	83.4	84.3	84.8	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
64.2	81.8	84.2	85.2	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
65.5	84.1	86.4	87.6	88.3	88.3	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
66.1	85.1	88.5	89.7	90.6	90.6	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
67.1	87.3	91.3	91.6	92.8	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
67.4	88.5	91.5	93.1	94.2	94.2	94.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
67.4	88.8	92.1	93.4	94.9	95.0	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
67.5	89.0	92.1	93.5	95.1	95.2	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
67.5	89.5	92.6	94.4	95.6	95.7	96.4	96.6	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
67.5	90.1	93.2	94.6	96.2	96.4	97.2	97.7	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
67.5	90.3	93.9	95.4	97.0	97.2	98.2	98.9	98.9	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
67.5	90.3	93.9	95.4	97.0	97.2	98.2	98.9	98.9	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
67.5	90.3	93.9	95.4	97.0	97.2	98.2	98.9	98.9	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
67.5	90.3	93.9	95.4	97.0	97.2	98.2	98.9	98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
67.5	90.3	93.9	95.4	97.0	97.2	98.2	98.9	98.9	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 797

U.S. GOVERNMENT PRINTING OFFICE

METEOROLOGICAL BRANCH
UNITED STATES NAVY
NAVY AIR SERVICE/440

CEILING VERSUS VISIBILITY

STATION: WHEEL ISLAND, AK

73-51

1952

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-12-1952

59.1	59.1	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
59.7	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
60.1	60.4	67.1	67.4	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
60.5	67.3	67.7	67.9	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	68.1
60.2	70.3	70.2	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
60.2	77.2	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
60.2	77.4	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
60.2	78.5	79.2	79.2	79.2	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
60.5	78.5	79.2	79.2	79.2	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
60.5	79.7	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
70.2	77.4	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
70.7	80.1	81.0	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	81.4
71.5	81.8	82.5	82.9	82.9	82.9	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
73.3	84.4	85.4	85.6	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
75.2	86.4	87.5	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	88.1	88.1	88.1	88.1
76.7	88.3	89.9	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	90.6	90.6	90.6	90.6
77.2	89.7	91.1	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
77.7	90.4	91.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
78.4	91.2	93.5	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
78.5	92.6	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
78.7	93.1	94.3	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
78.7	94.1	95.3	96.2	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
78.7	94.6	96.1	96.9	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
78.7	95.2	96.6	97.6	98.1	98.1	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
78.7	95.5	96.9	97.9	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
78.7	95.5	97.1	98.1	98.6	98.6	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
78.7	95.5	97.2	98.4	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.7	95.5	97.2	98.4	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.7	95.5	97.2	98.4	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 795

ALBUQUERQUE, NEW MEXICO
1961-1970

CEILING VERSUS VISIBILITY

WIND DIRECTION AND SPEED: 10-15

75-50

147

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1961-1970

1.7	65.7	64.7	66.7	61.8	66.5	65.8	65.9	66.4	66.3	66.7	66.3	66.4	66.1	66.4	66.1
1.7	74.4	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
66.3	74.7	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
66.3	74.9	75.1	75.3	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
66.4	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
1.7	79.1	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
66.3	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
66.3	83.9	84.7	84.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
66.7	85.4	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
7.2	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
67.4	86.3	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
67.3	87.2	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
76.7	86.1	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
76.1	87.2	88.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
67.2	91.4	91.9	91.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
71.4	91.1	91.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
61.4	92.1	92.5	92.8	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
61.7	93.1	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
61.7	93.9	94.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
61.7	94.5	95.2	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
62.3	95.3	95.5	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
62.5	96.5	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
62.5	97.1	98.1	98.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
62.5	97.1	98.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
62.5	97.1	98.7	98.5	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
62.5	97.1	98.7	98.5	99.1	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
62.5	97.1	98.7	98.5	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.5	97.1	98.7	98.5	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.5	97.1	98.7	98.5	99.1	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 147

ALBUQUERQUE, NEW MEXICO

FEDERAL CLIMATOLOGY BRANCH
WAFB TAC
WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

WILL ROGERS IAP, OK

73-91

56

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1100-2100

71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
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
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
75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
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
79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
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
83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
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
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
86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
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
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
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
90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
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	94.1
95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
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
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
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 796

USAF ETC

FEDERAL AVIATION ADMINISTRATION
METEOROLOGICAL SERVICE/FAA

CEILING VERSUS VISIBILITY

WILL TOUERS IAP, OK

73-01

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

58.4	63.2	65.7	64.1	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
61.8	69.8	70.3	70.7	70.9	70.9	71.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2
61.8	69.7	70.4	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.4
61.2	69.8	70.5	70.9	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4
62.5	70.7	71.4	71.8	72.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
64.3	73.1	73.2	74.3	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8
67.7	77.7	78.7	79.1	79.3	74.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
68.6	78.5	79.5	79.9	80.1	80.2	80.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.6
70.0	80.3	81.3	81.8	82.0	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
70.5	81.0	82.0	82.4	82.7	82.7	82.9	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
70.7	81.5	82.7	83.1	83.3	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.8
71.2	82.5	83.6	84.1	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
72.3	83.5	84.7	85.2	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.9
72.3	84.3	85.6	86.1	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
73.4	85.3	86.7	87.2	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.9
74.1	86.2	87.7	88.2	88.5	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.1
74.8	87.3	88.8	89.4	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.2
75.4	88.2	89.8	90.4	90.6	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
75.6	88.6	90.2	90.9	91.1	91.2	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7
76.1	89.7	91.4	92.1	92.4	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.0
76.4	90.5	92.2	93.0	93.4	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.9	94.0
76.3	91.4	93.3	94.1	94.5	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1
77.1	92.0	93.9	94.7	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8
77.1	92.5	94.4	95.3	95.8	95.9	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5
77.1	92.8	94.7	95.7	96.3	96.4	96.7	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1
77.2	93.2	95.2	96.2	96.8	96.9	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7
77.2	93.4	95.6	96.7	97.3	97.5	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.5
77.3	93.5	95.8	97.1	97.8	98.0	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.4
77.2	93.5	95.8	97.1	97.9	98.1	98.8	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.7
77.2	93.5	95.8	97.1	97.9	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
77.2	93.5	95.8	97.1	97.9	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.9
77.2	93.5	95.8	97.1	97.9	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 1346

FEDERAL BUREAU OF SURVEY
WETAC
METEOROLOGICAL SERVICE/MAID

CEILING VERSUS VISIBILITY

WILL ROGERS IAP, OK

73-01

001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-0200

70.2	70.3	70.5	70.9	70.9	71.0	71.3	71.3	71.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
71.1	73.5	73.3	74.2	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
71.3	73.7	74.1	74.3	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
71.5	74.1	74.2	74.6	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
71.9	74.1	74.3	74.7	74.7	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
73.2	75.7	75.9	76.3	76.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
75.3	76.4	76.7	77.0	77.0	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
76.5	77.4	77.3	78.1	78.1	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
76.4	78.4	78.7	79.1	79.1	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
77.5	79.5	80.0	80.3	80.3	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
77.5	81.4	81.9	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
79.1	83.0	83.5	83.9	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
79.3	83.4	83.9	84.5	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
79.8	84.1	84.6	85.2	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
80.6	85.1	85.6	86.2	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
82.3	86.9	87.5	88.1	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
82.4	87.8	88.4	89.0	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
82.8	89.2	90.1	90.7	90.7	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
83.1	89.7	90.6	91.2	91.2	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
83.3	90.2	91.4	92.2	92.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
83.5	90.8	92.4	93.3	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
83.7	91.1	92.8	93.6	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
83.7	91.3	93.7	94.1	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
83.7	91.6	93.5	94.7	94.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
83.7	91.7	94.1	95.5	95.7	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
83.9	92.2	94.9	96.5	96.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
83.9	92.3	95.5	97.1	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
83.9	92.3	95.5	97.1	97.6	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
83.9	92.3	95.5	97.1	97.6	97.8	98.5	98.7	98.7	98.7	99.0	99.0	99.1	99.1	99.3	99.4	99.4
83.9	92.3	95.5	97.1	97.6	97.8	98.5	98.7	98.7	98.7	99.0	99.0	99.1	99.1	99.3	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 118

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WILL ROGERS TAP OK

73-81

001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-0500

63.0	66.5	66.7	67.1	67.5	67.5	67.5	67.6	67.6	67.7	67.8	67.8	68.0	68.1	68.1	68.5
65.2	68.1	68.5	68.8	69.2	69.2	69.2	69.3	69.3	69.4	69.5	69.6	69.7	69.8	69.8	70.3
65.2	68.1	68.5	68.8	69.2	69.2	69.2	69.3	69.3	69.4	69.6	69.6	69.7	69.8	69.8	70.3
65.5	68.5	68.8	69.2	69.6	69.6	69.6	69.7	69.7	69.8	69.9	69.9	70.0	70.2	70.2	70.7
66.1	69.1	69.4	69.8	70.2	70.2	70.2	70.3	70.3	70.4	70.5	70.5	70.7	70.8	70.9	71.3
66.6	69.6	69.9	70.3	70.7	70.7	70.7	70.8	70.8	70.9	71.0	71.1	71.1	71.3	71.3	71.8
66.9	71.9	72.2	72.6	73.0	73.0	73.0	73.1	73.1	73.2	73.3	73.3	73.5	73.6	73.6	74.1
69.0	72.6	73.1	73.3	73.7	73.7	73.7	73.8	73.8	74.0	74.1	74.1	74.2	74.3	74.4	75.1
71.0	74.2	74.6	74.9	75.3	75.3	75.3	75.4	75.4	75.6	75.7	75.7	75.8	75.9	76.0	76.7
71.9	75.3	75.3	76.2	76.5	76.5	76.5	76.7	76.7	76.8	76.9	76.9	77.0	77.1	77.3	77.9
73.1	76.7	77.1	77.5	77.9	77.9	77.9	78.0	78.0	78.1	78.2	78.2	78.4	78.5	78.5	79.0
74.3	79.4	79.5	79.8	80.0	80.2	80.2	80.3	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.5
76.4	80.6	81.1	81.4	81.8	81.8	81.8	81.9	81.9	82.0	82.2	82.2	82.3	82.4	82.5	83.1
76.8	81.1	81.5	81.9	82.3	82.3	82.3	82.4	82.4	82.5	82.6	82.6	82.8	82.9	83.0	83.6
77.1	81.4	81.9	82.3	82.6	82.6	82.6	82.8	82.8	82.9	83.0	83.0	83.1	83.3	83.4	84.1
77.6	81.9	82.4	82.8	83.1	83.1	83.1	83.3	83.3	83.4	83.5	83.5	83.6	83.7	83.9	84.5
77.8	82.4	83.0	83.4	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1	84.2	84.4	84.5	85.1
78.7	84.0	84.6	85.0	85.3	85.3	85.3	85.5	85.5	85.6	85.7	85.7	85.8	85.9	86.1	86.7
78.9	84.7	85.5	85.8	86.2	86.2	86.2	86.3	86.3	86.4	86.6	86.6	86.6	86.8	86.9	87.5
79.0	86.2	87.0	87.4	87.8	87.8	87.8	87.9	87.9	88.0	88.1	88.1	88.3	88.4	88.5	89.1
79.3	86.7	87.7	88.0	88.4	88.4	88.4	88.5	88.5	88.6	88.8	88.8	88.9	89.0	89.1	89.7
79.7	87.4	88.4	88.8	89.1	89.1	89.1	89.2	89.2	89.4	89.5	89.5	89.6	89.7	89.9	90.5
79.7	88.3	89.1	89.5	89.9	89.9	89.9	90.0	90.0	90.1	90.2	90.2	90.3	90.5	90.6	91.2
79.7	88.3	89.4	89.7	90.3	90.3	90.3	90.6	90.6	90.7	90.8	90.8	91.0	91.1	91.2	91.8
80.4	89.5	91.1	91.6	92.2	92.2	92.2	92.5	92.5	92.7	92.8	92.8	92.9	93.0	93.2	93.8
80.4	89.5	91.1	91.6	92.4	92.4	92.4	92.8	92.8	92.9	93.0	93.0	93.2	93.3	93.4	94.0
80.6	90.0	91.7	92.2	93.3	93.3	93.4	93.8	93.8	93.9	94.0	94.0	94.1	94.3	94.4	95.0
80.7	90.1	91.9	92.6	94.5	94.5	94.7	95.4	95.4	95.6	95.7	95.7	96.1	96.1	96.2	96.8
80.8	90.2	92.2	93.3	95.0	95.0	95.6	96.2	96.2	96.6	96.7	96.7	97.1	97.2	97.3	97.9
80.8	90.2	92.2	93.3	95.2	95.2	96.0	96.7	96.7	97.4	97.7	97.7	98.2	98.3	98.4	99.0
80.8	90.2	92.2	93.3	95.2	95.2	96.0	96.7	96.7	97.8	98.0	98.0	98.7	98.8	99.0	99.6
80.8	90.2	92.2	93.3	95.2	95.2	96.0	96.7	96.7	97.8	98.0	98.0	98.7	98.8	99.0	99.6
80.8	90.2	92.2	93.3	95.2	95.2	96.0	96.7	96.7	97.8	98.0	98.0	98.7	98.8	99.0	99.6

TOTAL NUMBER OF OBSERVATIONS 112

2
 FEDERAL CLIMATOLOGY BRANCH
 AFSTAC
 METEOROLOGICAL SERVICE/MAS

CEILING VERSUS VISIBILITY

WALL ROSS, IAP, CA

73-63

267

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1613-2633

54.4	56.6	59.6	59.8	60.6	60.6	60.9	60.9	61.0	61.0	61.3	61.3	61.4	61.4	62.3	62.5
62.1	62.1	63.3	63.7	64.4	64.4	64.8	64.8	64.9	64.9	65.2	65.2	65.3	65.3	66.1	66.5
67.3	62.3	63.3	63.7	64.4	64.4	64.8	64.8	64.9	64.9	65.2	65.2	65.3	65.3	66.1	66.5
67.4	62.4	63.5	63.8	64.6	64.6	64.9	64.9	65.1	65.1	65.3	65.3	65.4	65.4	66.3	66.6
68.1	63.3	64.4	64.8	65.5	65.5	65.9	65.9	66.1	66.1	66.3	66.3	66.4	66.4	67.2	67.6
68.1	65.3	66.4	66.7	67.5	67.5	67.8	67.8	68.1	68.1	68.2	68.2	68.3	68.3	69.2	69.5
61.7	67.3	68.1	68.4	69.2	69.2	69.5	69.5	69.7	69.7	69.9	69.9	70.0	70.0	70.9	71.2
62.4	67.8	68.9	69.3	70.0	70.0	70.4	70.4	70.5	70.5	70.8	70.8	70.9	70.9	71.7	72.1
63.3	69.5	70.6	71.0	71.7	71.7	72.1	72.1	72.2	72.2	72.5	72.5	72.5	72.5	73.4	73.8
64.2	70.9	72.0	72.3	73.1	73.1	73.4	73.4	73.5	73.5	73.8	73.8	73.9	73.9	74.8	75.1
66.6	72.9	74.0	74.4	75.1	75.1	75.5	75.5	75.6	75.6	75.8	75.8	75.9	75.9	76.8	77.2
67.6	74.6	75.7	76.1	76.8	76.8	77.2	77.2	77.3	77.3	77.5	77.5	77.7	77.7	78.5	78.9
68.7	75.8	76.9	77.3	78.0	78.0	78.4	78.4	78.5	78.5	78.8	78.8	78.9	78.9	79.7	80.1
68.9	76.3	77.4	77.8	78.5	78.5	78.9	78.9	79.1	79.1	79.2	79.2	79.4	79.4	80.2	80.6
69.2	76.6	77.7	78.0	78.8	78.8	79.1	79.1	79.2	79.2	79.5	79.5	79.6	79.6	80.5	80.8
69.7	77.3	78.4	78.8	79.6	79.6	80.0	80.0	80.1	80.1	80.3	80.3	80.5	80.5	81.3	81.7
70.1	78.0	79.1	79.5	80.3	80.3	80.7	80.7	80.8	80.8	81.1	81.1	81.2	81.2	82.0	82.4
71.1	79.5	80.7	81.2	82.2	82.2	82.5	82.5	82.6	82.6	82.9	82.9	83.1	83.1	84.0	84.3
71.0	80.6	81.8	82.3	83.4	83.4	83.7	83.7	83.9	83.9	84.1	84.1	84.3	84.3	85.2	85.6
72.6	82.1	83.7	84.3	85.7	85.7	86.0	86.0	86.2	86.2	86.4	86.4	86.7	86.7	87.5	87.9
73.1	83.7	85.2	86.0	87.4	87.4	87.7	87.7	87.9	87.9	88.1	88.1	88.3	88.3	89.2	89.6
73.7	85.1	86.4	87.3	88.6	88.6	89.1	89.1	89.2	89.2	89.4	89.4	89.7	89.7	90.5	90.9
74.2	86.7	87.3	88.2	89.6	89.6	89.9	89.9	90.0	90.0	90.4	90.4	90.7	90.7	91.5	91.9
74.4	86.2	87.7	88.7	90.0	90.0	90.4	90.4	90.5	90.5	90.7	90.9	90.9	91.1	91.9	92.4
75.1	87.0	88.5	89.6	90.9	90.9	91.5	91.5	91.6	91.7	92.0	92.0	92.2	92.2	93.1	93.4
75.2	87.3	89.0	90.0	91.4	91.5	92.1	92.2	92.4	92.5	92.7	92.7	93.0	93.0	93.8	94.2
75.2	87.6	89.4	90.5	92.0	92.2	92.8	93.2	93.3	93.4	93.7	93.7	93.9	93.9	94.8	95.1
75.2	87.9	89.9	91.0	92.7	93.1	93.8	94.4	94.5	95.1	95.5	95.5	95.8	95.8	96.6	97.0
75.2	88.0	90.0	91.1	92.8	93.2	94.2	94.8	94.9	95.6	96.0	96.0	96.4	96.4	97.2	97.6
75.2	88.0	90.0	91.1	92.8	93.2	94.4	95.0	95.1	96.0	96.6	96.6	97.1	97.1	97.9	98.3
75.2	88.0	90.0	91.1	92.8	93.2	94.4	95.0	95.1	96.0	96.6	96.6	97.1	97.1	98.5	99.3
75.2	88.0	90.0	91.1	92.8	93.2	94.4	95.0	95.1	96.0	96.6	96.6	97.1	97.1	98.5	99.3

TOTAL NUMBER OF OBSERVATIONS 824

FEDERAL CLIMATOLOGY BRANCH
WAFSCAG
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WILL ROGERS IAP OK

75-61

1967

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1960-1965

60.3	61.9	62.3	62.8	62.8	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
61.2	67.0	67.7	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
61.7	67.0	67.7	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
62.1	67.3	67.9	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
62.5	67.8	68.4	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
64.2	69.4	70.0	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
66.5	72.2	72.8	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
66.7	72.3	73.1	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
68.9	75.6	76.3	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
68.8	76.7	77.4	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
70.4	77.4	78.1	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
70.7	78.0	78.8	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
70.9	78.4	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
71.2	79.1	79.8	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
71.7	79.9	80.5	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
72.3	81.6	82.3	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
73.6	83.3	84.2	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
74.9	85.3	86.2	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
75.4	85.9	86.8	87.4	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
76.4	87.9	88.5	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
77.2	89.1	90.0	91.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
77.8	90.4	91.6	92.3	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
78.1	91.1	92.5	93.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
78.1	91.4	92.7	93.6	94.7	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
78.3	91.7	93.2	94.1	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
78.3	92.1	93.5	94.4	95.8	96.2	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
78.5	92.5	94.0	94.9	96.5	97.0	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	97.9
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 813

2

FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE
METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

WALL ROBERT IAP OK

73-81

267

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

124J-1420

64.7	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	66.9
67.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
69.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
69.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
70.3	72.7	73.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
71.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
73.5	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
73.8	76.4	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
75.0	79.0	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
75.5	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
77.1	81.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
77.3	81.5	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
78.1	82.1	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
78.9	83.1	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
78.3	83.9	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
80.7	86.5	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
82.2	88.6	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
83.9	90.3	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
84.3	91.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
85.1	92.7	93.6	93.7	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
85.2	93.3	94.3	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
85.5	94.1	95.1	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
85.9	94.5	95.9	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
85.9	95.3	96.6	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
85.9	95.9	97.3	97.4	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
86.1	96.2	97.8	97.9	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
86.1	96.5	98.1	98.4	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
86.1	96.6	98.2	98.5	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
86.1	96.6	98.2	98.5	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
86.1	96.6	98.2	98.5	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
86.1	96.6	98.2	98.5	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 822

U.S. GOVERNMENT PRINTING OFFICE: 1964 O 345-001

FEDERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/44

CEILING VERSUS VISIBILITY

WILL ROGERS IAP, OK

73-81

007

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

69.1	70.9	71.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
75.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
75.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
75.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
75.9	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
77.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
78.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
79.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
81.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
81.3	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
81.6	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
82.4	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	86.1
82.9	86.7	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
83.2	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
84.1	88.5	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
84.6	89.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
86.1	91.2	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
87.3	92.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
87.4	93.0	93.9	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
87.9	94.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
88.0	94.7	95.5	96.0	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
88.4	95.2	96.4	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
88.5	95.3	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
88.5	95.9	97.6	97.8	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
88.5	96.6	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.5	96.6	98.4	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
88.5	96.7	98.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.5	96.7	98.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.5	96.7	98.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.5	96.7	98.5	98.9	99.3	99.6	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 _____ 25

USAF ETAC WEATHER SERVICE/44 WEATHER SERVICE/44 ARE ABSOLUTE

CEILING VERSUS VISIBILITY

2

FULL REPORT IAP 04

75-51

507

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

11-2-2301

70.1	71.5	71.7	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9
74.8	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8
75.2	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1
75.3	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
75.4	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4
75.5	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6
77.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1
78.2	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4
81.7	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9
81.5	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0
81.5	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0
81.1	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6
83.5	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5
83.8	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7
84.6	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8
85.1	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3
85.4	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9
87.5	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1
87.9	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6
88.5	91.5	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1
89.1	92.9	93.1	93.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6
89.7	94.1	94.3	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8
89.7	94.7	95.0	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
91.1	95.2	95.4	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9
93.0	95.7	96.3	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2
90.0	95.8	96.6	97.2	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8
90.3	95.9	96.9	97.7	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
90.2	96.3	97.3	98.0	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
90.2	96.3	97.3	98.0	98.6	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
90.2	96.3	97.3	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
91.2	96.3	97.3	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6
91.2	96.3	97.3	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 613

UNITED STATES METEOROLOGICAL SERVICE
WORLD WEATHER SERVICE

CEILING VERSUS VISIBILITY

2

WORLD WEATHER SERVICE

1954

100

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

67.2	67.7	67.9	68.1	68.4	68.6	68.9	69.1	69.3	69.5	69.7	69.9	70.1	70.3	70.5	70.7	70.9	71.1	71.3	71.5	71.7	71.9	72.1	72.3	72.5	72.7	72.9	73.1	73.3	73.5	73.7	73.9	74.1	74.3	74.5	74.7	74.9	75.1	75.3	75.5	75.7	75.9	76.1	76.3	76.5	76.7	76.9	77.1	77.3	77.5	77.7	77.9	78.1	78.3	78.5	78.7	78.9	79.1	79.3	79.5	79.7	79.9	80.1	80.3	80.5	80.7	80.9	81.1	81.3	81.5	81.7	81.9	82.1	82.3	82.5	82.7	82.9	83.1	83.3	83.5	83.7	83.9	84.1	84.3	84.5	84.7	84.9	85.1	85.3	85.5	85.7	85.9	86.1	86.3	86.5	86.7	86.9	87.1	87.3	87.5	87.7	87.9	88.1	88.3	88.5	88.7	88.9	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7	94.9	95.1	95.3	95.5	95.7	95.9	96.1	96.3	96.5	96.7	96.9	97.1	97.3	97.5	97.7	97.9	98.1	98.3	98.5	98.7	98.9	99.1	99.3	99.5	99.7	99.9
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TOTAL NUMBER OF OBSERVATIONS 5557

UNITED STATES METEOROLOGICAL SERVICE

1. ALL ELEVATIONS BRANCH
 2. THE
 3. WITH A CEILING

CEILING VERSUS VISIBILITY

4. ALL FOUR TABLES

73-51

Yr.

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1955-1956

62.3	61.3	67.7	67.9	65.9	65.8	67.3	66.3	67.7	63.7	63.3	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
63.3	65.3	65.4	65.7	65.5	65.8	65.8	65.2	66.2	65.3	65.7	65.3	66.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
63.3	65.3	65.4	65.7	65.8	65.8	66.7	66.3	66.7	65.2	65.2	65.2	66.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
64.2	64.3	66.3	66.5	66.7	66.7	66.9	66.9	66.9	66.9	67.3	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
65.7	67.4	67.4	68.3	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9
66.5	67.3	67.3	68.2	68.3	68.3	68.5	68.5	68.5	68.5	68.7	68.8	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1
68.2	68.7	70.8	71.8	71.9	71.9	71.2	71.2	71.2	71.2	71.3	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
69.3	71.2	71.4	72.2	72.3	72.3	72.5	72.5	72.5	72.5	72.8	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
70.5	71.7	72.4	72.7	72.8	72.8	73.1	73.1	73.1	73.1	73.3	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
71.1	73.4	74.2	74.4	74.5	74.5	74.5	74.8	74.8	74.8	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
71.7	74.1	74.5	75.1	75.2	75.2	75.4	75.4	75.4	75.4	75.7	75.8	75.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
71.3	74.2	74.1	75.2	75.3	75.3	75.6	75.6	75.6	75.6	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
72.7	75.3	75.2	75.4	75.6	75.6	75.8	75.8	75.8	75.8	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
73.5	76.9	77.9	78.3	78.4	78.4	78.7	78.7	78.7	78.9	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
74.5	78.2	79.4	79.9	80.1	80.1	80.3	80.3	80.3	80.6	80.7	80.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
75.6	80.1	81.3	81.8	82.0	82.2	82.2	82.2	82.2	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
75.5	81.3	81.5	82.1	82.2	82.2	82.5	82.5	82.5	82.5	82.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
75.7	81.3	83.1	83.6	83.7	83.7	84.0	84.0	84.0	84.2	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
76.3	84.1	85.3	85.8	86.0	86.0	86.2	86.2	86.2	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
76.2	85.5	87.8	88.5	88.7	88.7	89.1	89.1	89.1	89.3	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
76.5	87.7	89.1	89.7	90.0	90.0	90.4	90.4	90.4	90.6	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
77.3	88.2	89.7	90.4	90.6	90.8	91.2	91.2	91.2	91.4	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
77.3	88.5	90.5	91.4	91.5	91.6	92.0	92.0	92.0	92.4	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
77.3	88.5	91.7	92.5	92.7	92.7	93.1	93.1	93.1	93.5	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
77.9	89.5	91.9	92.8	93.0	93.0	93.9	93.9	93.9	94.2	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
77.9	89.6	92.0	93.0	93.5	93.5	94.7	94.7	94.7	95.2	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
77.9	89.5	92.4	93.7	94.2	94.4	95.7	95.7	95.7	96.4	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
77.9	89.5	92.4	93.7	94.2	94.4	96.1	96.1	96.1	97.2	98.1	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
77.9	89.5	92.4	93.7	94.2	94.4	96.1	96.1	96.1	97.2	98.1	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 778

CEILING VERSUS VISIBILITY

WILL ROGERS INT. OK

73-51

904

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1000-1400

67.0	67.2	67.4	67.6	67.8	68.0	68.2	68.4	68.6	68.8	69.0	69.2	69.4	69.6	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.4	71.6	71.8	72.0	72.2	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6	78.8	79.0	79.2	79.4	79.6	79.8	80.0	80.2	80.4	80.6	80.8	81.0	81.2	81.4	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.2	86.4	86.6	86.8	87.0	87.2	87.4	87.6	87.8	88.0	88.2	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4	95.6	95.8	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.4	97.6	97.8	98.0	98.2	98.4	98.6	98.8	99.0	99.2	99.4	99.6	99.8	100.0
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TOTAL NUMBER OF OBSERVATIONS 734

TABLE SET BY CLIMATE BRANCH, WATER SERVICE

CEILING CLIMATOLOGY BRANCH
HAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-81

MM

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1140-2000

63.1	64.5	64.6	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
65.2	68.1	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
65.2	68.1	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
65.3	68.4	68.5	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
69.1	70.2	70.3	71.5	71.5	71.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
69.4	71.7	71.4	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
69.8	72.3	72.4	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
71.0	73.7	74.1	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
71.7	74.3	74.7	75.1	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
71.9	74.5	74.9	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
73.7	76.3	76.7	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
74.4	77.1	77.5	77.8	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
74.4	77.3	77.7	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
75.2	79.5	80.1	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
77.1	80.4	81.1	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
75.1	81.7	82.4	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
75.5	82.7	83.3	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
75.5	83.2	84.7	84.6	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
77.5	84.4	85.1	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
77.5	87.3	88.2	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
81.7	89.0	90.2	91.2	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
81.7	89.4	90.9	91.9	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
81.9	91.1	91.7	92.7	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
82.1	91.1	92.3	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
82.2	91.7	93.6	95.1	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
82.2	91.8	94.1	96.0	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
82.2	91.9	94.2	96.2	96.7	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
82.2	91.9	94.2	96.6	97.4	97.4	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
82.2	91.9	94.2	96.7	97.5	97.5	98.2	98.6	98.6	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5
82.2	91.9	94.2	96.7	97.5	97.5	98.2	98.6	98.6	99.2	99.2	99.2	99.2	99.5	99.7	99.9	99.9
82.2	91.9	94.2	96.7	97.5	97.5	98.2	98.6	98.6	99.2	99.2	99.2	99.2	99.5	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 1794

FEDERAL CLIMATOLOGY BRANCH
WINDSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

75-51

947

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

60.3	60.1	60.7	60.4	60.5	60.5	60.5	60.6	60.6	60.5	60.6	60.6	60.7	60.7	60.7	60.8
62.3	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	65.2	65.2	65.2	65.1
62.4	64.5	64.7	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.2
62.5	64.5	64.7	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.2
62.6	64.7	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.4
63.4	65.7	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.5
65.1	67.4	67.8	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.4
65.4	67.9	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.9
65.9	69.5	69.9	70.1	70.2	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.6
69.1	70.9	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.8	71.8	71.8	71.9	71.9	72.0
69.4	71.3	71.6	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4
69.9	72.9	73.4	73.6	73.6	73.6	73.7	73.8	73.8	73.9	73.9	73.9	74.2	74.2	74.2	74.3
70.4	74.1	74.5	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.2	75.3
70.7	74.4	74.8	75.1	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.7
71.5	75.5	76.0	76.3	76.3	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.8	76.8
72.5	76.7	77.3	77.6	77.7	77.7	77.8	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.2
73.5	78.1	78.8	79.2	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.7	79.8
74.7	80.1	80.8	81.2	81.3	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.8
75.2	80.9	81.5	82.0	82.1	82.1	82.2	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.6
76.4	83.0	83.7	84.2	84.3	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.8	84.8
77.2	84.9	85.8	86.2	86.4	86.4	86.5	86.7	86.7	86.8	86.8	86.8	86.9	86.9	87.0	87.0
77.7	86.2	87.1	87.8	88.1	88.2	88.5	88.5	88.5	88.7	88.7	88.7	88.8	88.8	88.9	88.9
77.8	86.9	87.9	88.7	89.1	89.2	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.9	89.9
77.9	87.3	88.5	89.4	89.9	90.0	90.4	90.5	90.5	90.6	90.7	90.7	90.8	90.8	90.9	90.9
78.1	87.6	89.2	90.2	90.8	90.9	91.4	91.5	91.5	91.7	91.7	91.7	91.8	91.9	91.9	92.0
78.1	88.2	89.8	91.1	91.7	92.0	92.6	92.8	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.4
78.2	88.4	90.2	91.7	92.5	92.8	93.9	94.1	94.1	94.7	94.8	94.8	94.9	94.9	95.0	95.0
78.2	88.4	90.3	92.0	93.0	93.3	94.7	95.1	95.2	95.9	96.1	96.1	96.2	96.2	96.3	96.4
78.2	88.5	90.4	92.3	93.3	93.6	95.2	95.7	95.7	96.8	97.0	97.1	97.3	97.3	97.4	97.5
78.2	88.5	90.4	92.3	93.3	93.7	95.3	95.9	95.9	97.1	97.5	97.6	98.1	98.1	98.3	98.5
78.2	88.5	90.4	92.3	93.3	93.7	95.3	95.9	95.9	97.1	97.8	97.8	98.5	98.7	99.2	99.5
78.2	88.5	90.4	92.3	93.3	93.7	95.3	95.9	95.9	97.1	97.8	97.8	98.6	98.7	99.41	100.0

TOTAL NUMBER OF OBSERVATIONS 5334

U.S. AIR FORCE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILL ROGERS TAP, OK

75-81

220

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1000-0200

71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.7	71.7
71.1	72.8	72.9	72.9	72.9	72.9	73.1	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5
72.1	73.1	73.4	73.4	73.4	73.4	73.6	73.6	73.7	73.9	73.9	73.9	73.9	73.9	74.1	74.1	
73.1	74.1	74.2	74.2	74.2	74.2	74.3	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.8	74.8	
74.1	75.0	75.2	75.2	75.2	75.2	75.3	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.8	75.8	
74.7	75.9	76.1	76.1	76.0	76.0	76.1	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.6	76.6	
75.1	76.0	76.1	76.1	76.1	76.1	76.3	76.3	76.4	76.6	76.6	76.6	76.6	76.6	76.7	76.7	
75.3	76.3	76.4	76.4	76.4	76.4	76.5	76.5	76.6	76.9	76.9	76.9	76.9	76.9	77.0	77.0	
75.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
75.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.1	77.1	
75.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.7	77.7	
75.1	77.1	77.2	77.2	77.2	77.2	77.4	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.8	77.8	
76.1	77.2	77.4	77.4	77.4	77.4	77.5	77.5	77.6	77.8	77.8	77.8	77.8	77.8	78.0	78.0	
76.7	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.7	78.7	
77.2	78.1	78.5	78.5	78.6	78.6	78.7	78.7	78.8	79.1	79.1	79.1	79.1	79.1	79.2	79.2	
77.2	78.6	79.7	79.7	79.8	79.8	79.9	79.9	80.0	80.3	80.3	80.3	80.3	80.3	80.4	80.4	
77.9	80.4	80.5	80.5	81.7	81.7	81.9	81.9	81.1	81.3	81.3	81.3	81.3	81.3	81.4	81.4	
77.8	82.1	82.3	82.3	82.5	82.5	82.7	82.7	82.9	83.1	83.1	83.1	83.1	83.1	83.2	83.2	
81.9	84.9	85.1	85.3	85.6	85.6	85.8	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.3	86.3	
82.9	87.6	87.8	88.1	88.4	88.4	88.6	88.6	88.7	89.0	89.0	89.0	89.0	89.0	89.1	89.1	
83.7	89.1	89.2	89.8	89.8	89.8	90.3	90.3	90.5	90.9	90.9	90.9	90.9	90.9	91.1	91.1	
84.1	89.7	91.1	91.5	91.7	91.7	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
84.1	90.2	91.5	91.1	91.3	91.3	91.8	91.8	91.9	92.4	92.4	92.4	92.4	92.4	92.5	92.5	
84.1	91.5	91.8	91.4	91.7	91.7	92.2	92.2	92.3	92.8	92.8	92.8	92.8	92.8	92.9	92.9	
84.1	91.5	91.8	91.6	91.8	91.8	92.4	92.4	92.5	93.0	93.0	93.0	93.0	93.0	93.1	93.1	
84.1	93.8	91.3	93.0	93.3	93.3	94.0	94.0	94.1	95.1	95.1	95.1	95.1	95.1	95.5	95.5	
84.1	93.8	91.3	93.3	93.6	93.6	94.4	94.4	94.5	95.6	95.6	95.6	95.6	95.6	96.7	96.7	
84.1	93.8	91.3	93.4	93.9	93.9	95.1	95.2	95.3	96.7	96.7	96.7	96.7	96.7	97.1	97.1	
84.1	93.8	91.3	93.4	94.1	94.1	95.6	95.8	96.0	97.3	97.3	97.3	97.3	97.3	98.4	98.4	
84.1	93.8	91.3	93.4	94.1	94.1	95.6	95.8	96.0	97.4	97.4	97.4	98.2	98.2	99.31	99.31	
84.1	93.8	91.3	93.4	94.1	94.1	95.6	95.8	96.0	97.4	97.4	97.4	98.2	98.2	99.31	99.31	

TOTAL NUMBER OF OBSERVATIONS 217

CEILING VERSUS VISIBILITY

WILLOWBURG, IAP, OK

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-2300

63.3	64.2	64.7	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.1
65.7	67.8	68.3	68.4	68.4	68.4	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0
66.7	67.8	68.7	68.4	68.4	68.4	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0
66.8	67.9	68.4	68.5	68.5	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2
67.5	68.4	68.9	69.0	69.0	69.0	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.7	69.7
68.4	69.5	70.0	70.1	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.8	70.8
69.1	70.1	70.6	70.8	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.4	71.4
69.2	70.3	70.5	70.9	70.9	70.9	71.2	71.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.5	71.5
70.3	71.4	71.9	72.0	72.0	72.0	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5
71.5	72.4	72.9	73.0	73.0	73.0	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5
71.4	72.5	73.0	73.1	73.1	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.8	73.8
71.7	73.1	73.5	73.6	73.6	73.6	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.3	74.3
72.3	73.5	74.1	74.1	74.1	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.9	74.9
72.8	74.1	74.5	74.6	74.6	74.6	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.2	75.2
72.9	74.4	74.9	75.0	75.0	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5
73.3	75.2	75.7	75.9	76.0	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.7	76.7
74.4	76.1	76.6	76.9	77.0	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7	77.7
75.9	78.0	78.6	79.0	79.1	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.9	79.9
77.4	79.7	80.3	80.7	80.8	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.6	81.6
79.6	81.8	83.0	83.8	84.0	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7	84.7
81.5	82.3	83.7	83.8	83.9	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7	84.7
83.2	84.4	85.4	85.9	86.1	86.1	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.9	86.9
82.3	87.9	87.7	89.7	89.8	89.8	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.7	90.7
82.5	86.7	89.9	91.4	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
82.5	87.3	91.5	91.2	91.4	91.4	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.4	92.4
82.5	89.4	91.1	91.9	92.2	92.2	92.5	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.5	93.5
82.5	89.4	91.4	92.7	93.2	93.2	94.0	94.3	94.4	94.8	94.8	94.8	94.8	94.8	95.0	95.4	95.4
82.5	89.4	91.4	92.7	93.5	93.5	94.4	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.4	95.8	95.8
82.5	89.4	91.4	92.7	93.5	93.5	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.4	95.8	95.8
82.5	89.4	91.4	92.7	93.5	93.5	95.0	95.4	95.5	97.0	97.3	97.3	97.3	97.3	98.1	98.5	98.5
82.5	89.4	91.4	92.7	93.5	93.5	95.0	95.4	95.5	97.0	97.3	97.3	97.3	97.3	98.9	99.5	99.9
82.5	89.4	91.4	92.7	93.5	93.5	95.0	95.4	95.5	97.0	97.3	97.3	97.3	97.3	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 674

WINDS AND WEATHER SERVICE
WINDS AND WEATHER SERVICE

CEILING VERSUS VISIBILITY

WINDS AND WEATHER SERVICE

73-51

000

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-1600

63.7	63.7	64.0	64.3	64.6	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.3	65.3	65.3
63.9	67.2	67.7	68.1	68.4	68.4	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.9	69.2	69.1	69.1
63.9	67.2	67.7	68.3	68.4	68.4	68.6	68.6	68.8	68.8	68.8	68.6	68.8	68.9	69.2	69.1	69.1
64.2	67.6	68.1	68.6	68.8	68.6	69.7	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.4	69.5	69.7
65.3	68.4	68.9	69.5	69.6	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.2	70.3	70.3	70.3
66.3	69.7	70.7	70.8	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.5	71.7	71.7	71.7
66.9	70.1	70.5	71.2	71.3	71.3	71.5	71.7	71.7	71.7	71.7	71.7	71.8	71.9	72.2	72.2	72.2
67.2	70.7	71.2	71.8	71.9	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.5	72.6	72.6	72.6
67.3	71.5	72.0	72.6	72.8	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.4	73.5	73.5
67.3	71.5	72.3	72.9	73.0	73.0	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.6	73.7	73.7
67.2	72.8	73.2	73.8	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.5	74.6	74.7	74.7	74.7
67.9	73.1	73.5	74.1	74.2	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.8	74.9	74.9	74.9
67.9	73.4	73.5	74.5	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	75.1	75.2	75.3	75.3	75.3
68.1	73.5	74.1	74.7	74.8	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.5	75.5	75.5
68.2	74.1	74.7	75.3	75.4	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.9	76.0	76.2	76.2	76.2
68.7	75.5	76.2	76.8	76.9	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.5	77.6	77.7	77.7	77.7
68.7	75.5	79.2	79.8	79.9	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.6	80.8	80.8	80.8
69.4	79.9	80.5	81.2	81.4	81.5	81.7	81.8	81.8	81.8	81.8	81.8	82.0	82.1	82.2	82.2	82.2
69.5	81.3	83.2	83.8	83.9	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.6	84.7	84.7	84.7
69.5	84.6	85.7	86.3	86.4	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.2	87.3	87.4	87.4	87.4
69.9	85.1	87.7	88.3	88.4	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.2	89.3	89.3	89.3
69.1	86.5	88.5	89.1	89.2	89.3	89.7	89.8	89.8	89.8	89.8	89.8	90.0	90.1	90.2	90.2	90.2
69.1	87.1	89.1	89.6	89.7	89.8	90.3	90.4	90.4	90.4	90.4	90.4	90.6	90.7	90.8	90.8	90.8
69.1	87.4	89.6	90.6	90.8	90.9	91.4	91.5	91.5	91.5	91.5	91.6	91.8	91.9	92.0	92.0	92.0
69.4	88.0	90.3	91.4	91.9	92.0	93.0	93.2	93.2	93.5	93.6	93.6	93.7	93.8	93.9	93.9	93.9
69.1	88.0	90.5	91.8	92.4	92.5	94.1	94.3	94.3	94.7	94.8	94.8	94.9	95.0	95.2	95.2	95.2
69.1	88.0	90.7	92.1	92.9	93.0	94.6	94.8	94.8	95.2	95.3	95.3	95.4	95.5	95.6	95.6	95.6
69.1	88.0	90.7	92.4	93.1	93.2	95.0	95.6	95.6	96.5	96.6	96.7	96.9	97.0	97.1	97.1	97.1
69.4	88.0	90.7	92.4	93.1	93.2	95.3	95.9	95.9	96.9	97.1	97.2	97.6	97.8	98.3	98.3	98.3
69.1	88.0	90.7	92.4	93.1	93.2	95.3	95.9	95.9	96.9	97.1	97.2	98.1	98.3	99.2	99.9	99.9
69.1	88.1	90.7	92.4	93.1	93.2	95.3	95.9	95.9	96.9	97.1	97.2	98.1	98.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 526



CEILING VERSUS VISIBILITY

WILCOX, ALBERTA

75-61

205

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1958-1970

64.2	64.2	64.5	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
65.3	65.2	65.5	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
66.5	66.2	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
67.6	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
68.7	68.6	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
69.8	69.7	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
70.9	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
72.0	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
73.1	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
74.2	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
75.3	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
76.4	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
77.5	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
78.6	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
79.7	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	79.7	79.7
80.8	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
81.9	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	81.9	81.9	81.9	81.9
83.0	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
84.1	84.0	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
85.2	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	85.2	85.2
86.3	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	86.3	86.3	86.3
87.4	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
88.5	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	88.5
89.6	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
90.7	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	90.7	90.7
91.8	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	91.8	91.8	91.8	91.8	91.8
92.9	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	92.9	92.9	92.9	92.9
94.0	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
95.1	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	95.1	95.1	95.1	95.1	95.1	95.1
96.2	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	96.2	96.2
97.3	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
98.4	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	98.4	98.4	98.4	98.4
99.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 182

NOTE: THIS TABLE IS INTENDED TO BE USED AS A GUIDE ONLY.

FEDERAL BUREAU OF SURVEY
METAC
NAVY AIR SERVICE, NAS

CEILING VERSUS VISIBILITY

WALLINGFORD, VERMONT, 1951

73-81

280

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-0-1400

64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
67.5	71.1	71.1	71.1	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
67.9	71.5	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
68.3	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
68.7	73.2	73.2	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
71.1	74.8	74.8	74.8	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
71.1	75.3	75.1	75.3	75.0	75.3	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
71.3	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
71.3	75.9	75.5	75.5	75.5	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
71.5	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
72.1	76.3	76.3	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
72.5	77.6	77.8	77.8	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
72.9	77.3	77.9	77.9	77.9	77.9	78.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
73.1	78.1	78.1	78.1	78.1	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
73.2	78.2	78.5	78.5	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
74.1	77.9	80.3	80.3	80.3	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
74.7	81.3	81.5	81.5	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
75.3	81.9	82.3	82.5	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	82.7
75.8	83.3	84.3	84.4	84.4	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
77.4	85.7	87.4	87.5	87.8	87.8	88.3	88.4	88.4	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
77.6	88.1	89.4	89.6	90.3	90.3	90.9	91.1	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
77.6	88.5	90.7	90.9	91.8	91.8	92.4	92.5	92.5	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
77.9	89.1	91.4	91.3	92.5	92.5	93.3	93.5	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
77.9	89.4	91.9	92.3	93.3	93.3	94.3	94.4	94.4	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
77.9	89.7	91.3	92.4	94.1	94.1	95.1	95.4	95.4	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
77.9	89.8	91.4	92.6	94.4	94.6	95.5	96.0	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
77.9	89.3	91.4	92.6	94.4	94.7	95.6	96.1	96.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
77.9	89.8	91.4	92.6	94.4	94.8	95.8	96.4	96.4	97.8	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
77.9	89.8	91.4	92.6	94.4	94.8	95.8	96.4	96.4	97.8	98.7	98.7	98.7	99.2	99.2	99.2	99.2	99.2
77.9	89.8	91.4	92.6	94.4	94.8	95.8	96.4	96.4	98.1	98.9	98.9	98.9	99.3	99.6	99.9	99.9	99.9
77.9	89.8	91.4	92.6	94.4	94.8	95.8	96.4	96.4	98.1	98.9	98.9	98.9	99.3	99.6	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 27

WILSON FIELD
METEOROLOGICAL BRANCH
FAC
COMMUNICATIONS SERVICE UNIT

CEILING VERSUS VISIBILITY

WILSON FIELD OVERHEAD

73-01

350

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

15-1-1974

3.3	65.1	65.7	65.1	65.2	65.2	65.2	65.2	65.7	65.2	65.2	65.7	65.7	65.2	65.7	65.7
4.3	71.1	71.1	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
5.7	71.5	71.5	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
6.7	71.5	71.5	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
7.7	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
8.5	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	74.5	74.5
9.5	75.7	75.7	75.7	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
10.9	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
14.4	75.9	75.9	75.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
14.9	75.9	75.9	75.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
14.9	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
15.6	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
15.9	78.5	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
19.2	78.7	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
19.5	79.1	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
17.3	80.3	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
17.4	81.9	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
17.2	84.5	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
17.7	85.4	85.9	86.0	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
17.7	87.4	87.8	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
17.7	89.3	89.7	90.3	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
17.3	90.0	91.0	91.7	92.5	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
17.9	90.4	91.7	92.0	93.3	93.4	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
17.5	90.5	92.1	93.3	94.7	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
17.7	90.5	92.2	93.7	95.7	95.1	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
17.7	90.5	92.5	94.2	95.6	95.7	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
17.4	91.0	93.1	94.9	95.8	97.0	97.3	97.7	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1
17.3	91.0	93.1	94.9	97.0	97.1	97.6	98.3	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8
17.3	91.0	93.1	94.9	97.0	97.1	97.6	98.3	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9
17.5	91.0	93.1	94.9	97.0	97.1	97.6	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
17.5	91.0	93.1	94.9	97.0	97.1	97.6	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
17.7	91.1	93.2	95.0	97.1	97.2	97.7	98.4	98.4	98.5	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 320

FAC CLIMATOLOGY BRANCH
TAC
METEOROLOGICAL SERVICE, WAC

CEILING VERSUS VISIBILITY

WAC - WAC OVER LAP, CA

75-81

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

66.9	62.9	63.1	63.5	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	64.0
67.1	64.7	73.2	70.4	70.6	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.9	70.9	71.0
68.2	64.9	70.3	70.5	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.1
68.5	70.3	71.7	71.5	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.5	71.5
67.1	71.9	72.4	72.7	72.6	72.9	73.3	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2
69.3	74.5	75.1	75.4	75.6	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	76.0
69.6	75.1	75.5	75.9	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.5
71.0	75.6	77.2	77.4	77.6	77.6	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0
71.5	77.4	78.0	78.3	78.4	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.9
70.0	77.9	78.5	78.6	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.4
72.9	79.1	79.7	80.0	80.2	80.2	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.6	80.7
73.7	80.1	80.7	81.1	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.7	81.7	81.7	81.7
74.4	81.3	81.5	81.6	82.0	82.1	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5
74.7	81.5	82.2	82.6	82.8	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.3
75.4	82.5	83.3	83.8	84.2	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.5
76.4	83.9	84.7	85.1	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.9
77.4	85.5	86.3	86.6	87.0	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.6
77.8	86.2	87.1	87.5	87.7	87.8	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3
78.5	87.5	88.5	89.0	89.3	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.9
78.7	89.0	90.0	90.6	91.0	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.6	91.7
79.2	89.9	91.1	91.6	92.2	92.3	92.6	92.7	92.7	92.8	92.9	92.9	92.9	92.9	93.0	93.1
79.6	90.4	91.7	92.5	92.9	93.0	93.4	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.8
79.7	91.8	92.2	93.0	93.5	93.7	94.2	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.5
79.8	91.2	92.7	93.7	94.2	94.4	94.8	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.3	95.3
79.8	91.4	93.1	94.2	94.8	95.1	95.5	95.7	95.7	95.9	96.0	96.0	96.0	96.1	96.1	96.2
79.9	91.6	93.4	94.6	95.4	95.6	96.3	96.6	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.1
79.9	91.7	93.6	95.3	95.8	96.0	96.9	97.3	97.3	97.7	97.8	97.8	97.9	97.9	97.9	98.0
79.9	91.8	93.5	95.1	95.9	96.2	97.1	97.6	97.6	98.2	98.4	98.4	98.5	98.5	98.5	98.7
79.9	91.5	93.5	95.1	96.0	96.2	97.2	97.7	97.8	98.4	98.7	98.7	99.2	99.2	99.2	99.2
79.9	91.5	93.5	95.1	96.0	96.2	97.2	97.7	97.8	98.5	98.8	98.8	99.2	99.2	99.5	99.5
79.9	91.5	93.5	95.1	96.0	96.2	97.2	97.7	97.8	98.5	98.8	98.8	99.2	99.2	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 77533

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

UNIT OF OBSERVATION

DATE

SKY COVER

STATION

STATION NAME

OFFICE

MO

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN		
		0	1	2	3	4	5	6	7	8	9	10	PERCENT	NUMBER OF
TOTALS														

STATION NO. 100001

SKY COVER

STATION NAME: ...

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										YEAR TOTAL PERCENTAGE	TOTAL HOURS
		0	1	2	3	4	5	6	7	8	9			10
TOTALS													

SKY COVER

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

YEAR

MOON

WIND

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

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

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

TIME	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL	
	0	1	2	3	4	5	6	7	8	9		
01												
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
TOTAL												

SKY COVER

STATION

NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

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

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

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

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

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

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

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

DAILY TEMPERATURES

STATION NAME: [Blank] COUNTY: [Blank] STATE: [Blank] YEAR: [Blank]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100							1.1	1.1					1.1
95						1.1	1.1	1.1					1.1
90					1.1	1.1	1.1	1.1					1.1
85				1.1	1.1	1.1	1.1	1.1					1.1
80			1.1	1.1	1.1	1.1	1.1	1.1					1.1
75		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
70		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
65		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
60		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
55		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
50		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
45		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
40		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
35		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
30		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
25		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
20		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
15		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
10		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
5		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
0		1.1	1.1	1.1	1.1	1.1	1.1	1.1					1.1
MEAN	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
SD	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
TOTAL OBS	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

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	71	71	71	71	71	71	71	71	71	71	71	71	71
2	72	72	72	72	72	72	72	72	72	72	72	72	72
3	73	73	73	73	73	73	73	73	73	73	73	73	73
4	74	74	74	74	74	74	74	74	74	74	74	74	74
5	75	75	75	75	75	75	75	75	75	75	75	75	75
6	76	76	76	76	76	76	76	76	76	76	76	76	76
7	77	77	77	77	77	77	77	77	77	77	77	77	77
8	78	78	78	78	78	78	78	78	78	78	78	78	78
9	79	79	79	79	79	79	79	79	79	79	79	79	79
10	80	80	80	80	80	80	80	80	80	80	80	80	80
11	81	81	81	81	81	81	81	81	81	81	81	81	81
12	82	82	82	82	82	82	82	82	82	82	82	82	82
13	83	83	83	83	83	83	83	83	83	83	83	83	83
14	84	84	84	84	84	84	84	84	84	84	84	84	84
15	85	85	85	85	85	85	85	85	85	85	85	85	85
16	86	86	86	86	86	86	86	86	86	86	86	86	86
17	87	87	87	87	87	87	87	87	87	87	87	87	87
18	88	88	88	88	88	88	88	88	88	88	88	88	88
19	89	89	89	89	89	89	89	89	89	89	89	89	89
20	90	90	90	90	90	90	90	90	90	90	90	90	90
21	91	91	91	91	91	91	91	91	91	91	91	91	91
22	92	92	92	92	92	92	92	92	92	92	92	92	92
23	93	93	93	93	93	93	93	93	93	93	93	93	93
24	94	94	94	94	94	94	94	94	94	94	94	94	94
25	95	95	95	95	95	95	95	95	95	95	95	95	95
26	96	96	96	96	96	96	96	96	96	96	96	96	96
27	97	97	97	97	97	97	97	97	97	97	97	97	97
28	98	98	98	98	98	98	98	98	98	98	98	98	98
29	99	99	99	99	99	99	99	99	99	99	99	99	99
30	100	100	100	100	100	100	100	100	100	100	100	100	100
MEAN													
S D													
TOTAL OBS													

140 100 100 100 100 100
 100 100 100 100 100
 100 100 100 100 100
 100 100 100 100 100

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM DAILY OBSERVATIONS

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A.
10						0.2	0.3	1.2					
11					0.1	0.3	1.7	11.3	2.3				
12				0.1	0.2	32.1	59.7	49.7	13.2				
13			0.1	3.3	17.2	65.7	92.7	55.1	42.5	5.7			
14			1.1	15.8	44.3	88.7	95.1	97.4	54.7	12.4	1.2		
15		0.1	4.4	25.9	59.7	90.2	99.5	99.5	82.1	33.2	5.1		
16		0.2	11.3	48.2	86.1	99.2	100.0	100.0	93.7	54.5	11.4	1.2	
17		0.4	22.2	57.8	95.5	100.0			89.1	75.2	22.5	4.5	
18	7.9	20.2	40.2	83.3	99.1				79.7	65.7	41.5	11.3	5.5
19	17.7	39.6	60.5	93.1	99.9				100.0	95.7	65.7	26.5	7.5
20	24.1	55.1	69.5	95.0						95.2	69.7	34.1	7.1
21	29.7	62.7	78.9	95.0	100.0					99.7	61.7	49.4	9.1
22	30.5	71.9	91.3	99.0						99.9	92.5	72.9	9.0
23	30.1	80.3	96.2	100.0						100.0	97.5	87.4	9.0
24	33.8	94.4	96.4								99.5	93.9	9.0
25	42.1	97.4	99.2								100.0	95.1	9.0
26	46.5	99.4	99.0									99.7	9.0
27	49.1	99.7	100.0									100.0	9.0
28	100.0	100.0											
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
MEAN	1.2	2.0	17.2	45.9	57.3	50.0	70.7	67.2	62.1	51.5	37.7	19.1	4.7
S.D.	0.54	0.43	4.934	4.284	7.157	5.534	4.177	4.545	7.344	5.783	9.475	9.011	7.971
TOTAL OBS	134	95	104	120	153	171	171	127	122	154	125	105	107

USAFETAC 0 21 5-01 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION _____ STATION NAME _____ YEARS _____

MONTH	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													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S D													
TOTAL OBS													

USAF ETAC FORM 0885 (OLA)
JUL 64

NOT FOR USE IN LINES THAT HAVE MORE THAN ONE DAY LESS THAN 30 DAYS

PSYCHROMETRIC SUMMARY

STATION:
 STATION NAME:

YEARS:

DATE:

Temp °F	WET BULB TEMPERATURE DEPRESSION (°F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point		
70																																						
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
79																																						
80																																						
81																																						
82																																						
83																																						
84																																						
85																																						
86																																						
87																																						
88																																						
89																																						
90																																						
91																																						
92																																						
93																																						
94																																						
95																																						
96																																						
97																																						
98																																						
99																																						
100																																						
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																																						

USAETAC FORM 0-26-5 (O.L.A.) METEOROLOGICAL RECORDING INSTRUMENTS DIVISION

PSYCHROMETRIC SUMMARY

REGIMENTAL/COMPANY STATION

STATION NAME

YEAR

YEARS

MONTH

Temp	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-MB	DW-BULB	WET-BULB		
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					
13																																					
14																																					
15																																					
16																																					
17																																					
18																																					
19																																					
20																																					
21																																					
22																																					
23																																					
24																																					
25																																					
26																																					
27																																					
28																																					
29																																					
30																																					
31																																					
Element X																																					
Rel Hum																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0 28 5 (01-43)

AD-A128 108

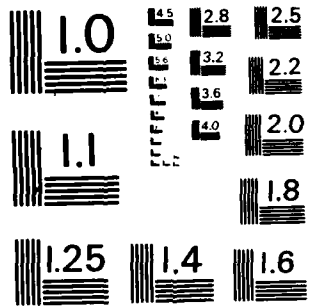
WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
USAFETAC/DS-82/057 SBI-AD-E850 357 F/G 4/2

4/6

UNCLASSIFIED

NL

The table consists of 10 columns and 10 rows. The top row is mostly blacked out, with only the first two cells containing white space. The remaining 9 rows are almost entirely blacked out, with only a few small white rectangular areas visible in the first two columns of each row.



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

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL SERVICE/AVIATION

PSYCHROMETRIC SUMMARY

STATION: WILL ROBERTS IAP OK STATION NAME: 73-01 YEARS: _____ MONTH: JAN
 PAGE: 1 HOURS: 2300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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	1		
58				.1	.1																														6	6		
59			.1	.1	.2																													4	4	4		
60			.1	.1	.2																													7	7	7	4	
61			.1	.1	.2																													14	14	14	4	
62			.1	.1	.2																													15	15	15	3	
63			.1	.1	.2																													14	14	14	4	
64			.1	.1	.2																													22	22	22	8	
65			.1	.1	.2																													20	20	20	11	
66			.1	.1	.2																													27	27	24	4	
67			.1	.1	.2																													40	40	32	13	
68			.1	.1	.2																													69	69	51	29	
69			.1	.1	.2																													60	66	60	62	
70			.1	.1	.2																													75	75	54	68	
71			.1	.1	.2																													45	45	76	35	
72			.1	.1	.2																													53	53	51	33	
73			.1	.1	.2																													47	47	53	45	
74			.1	.1	.2																													25	25	34	67	
75			.1	.1	.2																													30	36	34	57	
76			.1	.1	.2																													53	53	40	56	
77			.1	.1	.2																													32	32	52	40	
78			.1	.1	.2																													35	35	26	41	
79			.1	.1	.2																													21	21	34	26	
80			.1	.1	.2																													19	19	21	37	
81			.1	.1	.2																													19	19	24	36	
82			.1	.1	.2																													7	7	12	29	
83			.1	.1	.2																													8	8	9	17	
84			.1	.1	.2																													14	14	16	17	
85			.1	.1	.2																													2	2	2	22	
86			.1	.1	.2																													1	1	1	9	
87			.1	.1	.2																																11	
88			.1	.1	.2																																2	
89			.1	.1	.2																																3	
90			.1	.1	.2																																4	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total																										
Ref. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

19 73-01
 STATION NAME

YEARS

JAN
 MONTH

PAGE 1 0500-0500
 HOURS . S . T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point					
7-11																																							
TOTAL	2	2	3	2	6	6	9	2	6	1	2	2																									816	93	

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

Element (X)	$\sum X^2$	$\sum X$	\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.	4541752	51766	75.7	14.291	816							93
Dry Bulb	78912	23336	28.6	11.174	816	.1	56.4					93
Wet Bulb	57386	21582	26.4	11.287	816	.1	64.5					93
Dew Point	454443	17499	21.4	11.574	816	3.0	76.9					93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 73-01
 WILL ROGERS IAP OK

73-01

YEARS

JAN
 MONTH

PAGE 1 0624-0800
 HOURS 11.5.73

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
5			.1	.4																															4	4			
6				.2																															4	2	3		
7					.6																													5	5	4	3		
8			.4																															3	3	3			
9	.2	.5																																7	7	10	6		
10	.1	1.2	.5	.2	.1																													12	19	7	9		
11	.2	1.0	.4							.1																								14	14	7	6		
12	.1	1.0	1.3	.2	.2																													23	23	10	9		
13	.1	1.7	1.1	1.1	.1																													33	33	16	5		
14	.4	1.1	1.7	1.3	.1																													33	38	34	13		
15	1.5	4.1	2.5	.6																														75	75	43	32		
16	.2	3.1	2.9	1.0																														76	76	61	31		
17	1.4	3.4	2.3	.2																														61	61	54	34		
18	.2	3.6	1.8																																47	47	57	45	
19	1.2	5.2	.6																															56	56	54	34		
20	1.4	3.6	.6																															47	47	75	64		
21	.5	1.9	.5																															24	24	44	62		
22	1.2	2.3	1.1	.2																														39	39	26	49		
23	1.7	4.2	.6																															56	56	41	72		
24	1.0	5.1	.6																															55	55	58	36		
25	.5	3.0	.1																															30	37	47	41		
26	.6	2.3	.2																															26	26	36	31		
27	1.1	2.7	.7	.5																														12	12	17	43		
28	1.7	1.3																																25	25	26	44		
29	.7	.3																																9	9	16	20		
30	.5	.2																																6	6	8	21		
31	1.2	.6																																15	15	14	13		
32	.4	.5																																7	7	9	23		
33	.5																																	4	4	5	9		
34																																					20		
35																																				6			
36																																				6			
37																																				4			
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																												
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72553 WILL ROGERS IAP OK
 STATION STATION NAME

73-81

YEARS

JAN
 MONTH

PAGE 2

7600-0900
 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	
TOTAL	1.4	1.3	3.3	2.1	3	5.4	.7	.1	.1																										520	528	528
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	51.3564	64.60	77.4	3.220	828	$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																									
Dry Bulb	71220	22506	27.3	10.845	828	.4	59.4					93																									
Wet Bulb	521320	2138	25.4	10.244	828	.5	68.6					93																									
Dew Point	459674	17210	20.8	11.636	828	5.1	78.3					93																									

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

PSYCHROMETRIC SUMMARY

12 3 WILL ROGERS IAP OK 73-61 JAN 1970-1970
STATION STATION NAME YEARS MONTH
PAGE 1 1970-1970
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	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		
59					.1	.1				.1				.1																			1	1		
58					.2					.1				.1																			5	5		
57					.2					.1				.1																			4	4		
56					.2					.1				.1																			6	6		
55				.1	.6	.1	.2	.1		.5	.1			.1																		15	15	5		
54				.5	.5	.4	.5	.1	.7	.7																							22	22	3	4
53				.1	.4	.5	.1	.7	.2																								17	17	11	4
52				.5	.2	.7	1.2	.5	.4																								27	27	19	19
51				1.0	1.3	.9	.7	.5	.1																								38	38	18	1
50				.5	1.0	1.1	1.2	.6																									36	36	21	12
49				1.2	1.2	2.1	.9	.1																									45	45	38	9
48		.5	1.0	1.2	2.1	.5	.2																										45	45	50	18
47		.2	1.3	2.5	1.5	.5																											50	51	35	30
46		1.5	1.6	2.0	1.1	.4																											54	54	75	30
45		1.1	2.2	2.1	1.1	.2																											62	62	77	43
44		.5	4.2	1.5	.9																												62	67	53	46
43		.7	1.7	1.5	.9	.1																											47	40	73	47
42		.5	2.3	1.6	.2																												38	38	40	63
41		1.1	1.3	1.3	.2	.1																											38	39	50	77
40			1.5	.3	.1																												29	20	35	50
39		.2	1.1	1.1	.6																												30	30	32	39
38		.9	3.2	1.5	.5																												49	49	26	47
37		.6	2.3	1.1	.1																												35	39	49	34
36		.4	1.2	.4																													16	16	34	35
35		.2	1.5																														17	17	24	28
34		.2	1.3																														13	13	21	40
33		.5	.9	.1																													12	12	13	30
32		.1	.9																														6	6	0	29
31		.2	.2																														3	3	7	19
30		.2	.1																														3	3	4	15
29		.4																															3	3	3	21
28																																				7
27																																			7	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WILL ROGERS IAP OK STATION NAME: 73-01 YEARS: JAN MONTH: 1970-1100
 PAGE: 0 HOURS: 015

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
- / -																																	
TOTAL	11.0	35.2	24.9	15.1	7.1	3.3	2.0	.5	.1											-16		015											
																				515		015											

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	4.62267	55679	68.3	17.748	815							93
Dry Bulb	773697	26479	32.4	11.851	815		44.2					93
Wet Bulb	777476	23697	29.1	10.449	815		53.9					93
Dew Point	522066	18142	22.3	12.051	815	3.9	74.6					93

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

PSYCHROMETRIC SUMMARY

10 13 WILL ROGERS IAP DT 73-81 JAN MONTH 1973-1722 HOURS U. 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			
7																																			1	1			
8																																				1	1		
9																		.1	.1	.2														4	4				
10												.2	.2																					11	11				
11							.1	.1	.1	.1	.4	.5	.2																					15	15				
12							.1	.1	.5	.7	.9	.4																						25	25				
13				.1	.1	.1	.1	.1	.3	.5	.8	1.3	.7																					29	29		1		
14			.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																					31	31		3		
15			.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																					40	40	14	1		
16		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																					36	36	12	2		
17		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																					34	34	31	3		
18		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																					42	42	43	15		
19		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																					38	38	50	4		
20		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																					35	35	48	2		
21		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																						33	33	61	12	
22		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																						33	33	58	19	
23		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																							33	33	56	19
24		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																							35	35	56	19
25		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																							36	36	56	19
26		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																							34	34	54	30
27		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																							42	42	43	15
28		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																						38	38	50	4	
29		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																						35	35	48	2	
30		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																							33	33	61	12
31		.1	.1	.1	.1	.1	.1	.1	.3	.5	.8	1.1	.5																							33	33	58	19

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

02-131 WILL ROGERS IAP OR 72-51 STATION STATION NAME YEARS JAN 7-2000

PAGE 1 7-2000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			Dew Point			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.		Dry Bulb		
47							.1												.1															2	1			
48							.1						.1						.1															3	2			
49				.1			.1	.4										.2		.1														5	4			
50			.4				.2	.1	.2									.2		.2														12	10	1		
51			.2	.1			.1	.1	.1									.4	.7	.1														15	15	1		
52		.1	.2	.1			.7	.5	.7									.5	.7	.2														29	29	4		
53		.1	.1	.1			.2	.2	.2									.7	.7																27	27	6	
54		.2	.5	.3			.5	.7	1.3									.7																	27	27	15	
55		.2	.5	.8			1.2	.6	.5									.5																	32	32	7	
56		.1	.6	1.7			1.6	1.6	1.1									1.1																	42	42	13	
57		1.2	1.2	1.6			1.6	1.2	1.1									.1																	53	53	34	
58		.5	.6	1.7			2.1	.8																											47	47	21	
59		.3	1.3	1.6			1.4																												43	43	54	
60		.2	1.7	1.7			1.9		.2																										56	56	63	
61		.1	2.5	1.9			1.7	.5																											57	57	63	
62		.1	1.7	2.4			2.4	.2																											59	64	80	
63		.2	1.4	2.4			1.1	.5																											54	54	66	
64		.2	1.2	.6			1.1	.9	.1																										59	59	71	
65		.4	1.1	1.3			.6																												25	25	43	
66		.1	1.3	1.7			.5	.1																											33	33	72	
67		.1	1.1	1.7			.4	.1																											31	31	45	
68		.2	1.5	1.3			.4																												34	34	38	
69		.7	2.4	.7			.5																												36	36	35	
70		.1	1.5	.5			.1																												16	16	20	
71		.4	1.4	.1			.1																												17	17	24	
72		.1	1.5	.4																															19	19	20	
73		.2	1.3	.1																															11	11	16	
74		.4	.7																																9	9	17	
75		.1	.5																																5	5	6	
76																																					1	
77																																						12
78																																					3	
79																																					4	
Element (X)	ΣX'	ΣX	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-5 (OLA) REVISION 10-1-65 (REV. 1-1-65) USE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
AFSTAC
OPERATION SERVICE/182

PSYCHROMETRIC SUMMARY

STATION WILL HUBER, IAP OK
STATION NAME

75-61

YEARS

OF MONTH

94.8

1470-800
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		
- / -																																						
- / -																																						
- / -																																						
- / -1																																						5
- / -																																						4
- / -1																																						1
- / -																																						4
- / -1																																						1
- / -1																																						1
	.12	.27	.12	.05	.91	.91	.8	.7	.5	.3	.2	.1	.2	.5	.2	.1																					9	

Element (X)	ΣX	ΣX^2	\bar{X}	\bar{X}^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	340720	81444	62.119	339	829							43
Dry Bulb	1187455	89354	38.421	999	829		35.9					43
Wet Bulb	73712	25554	3.910	522	829		48.5					43
DeW. Point	371714	18814	22.511	732	829	3.1	76.4					43

USAFETAC FORM 0 26 5 (OL A) 14 FEB 54 (U.S. AIR FORCE) 54-1174

FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D.C.
METEOROLOGICAL SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: WILL ROBERTS FLD, OK STATION NAME: YEARS: 75-81 YEAR: MONTH: PAGE: 0100-2000
HOURS: 0000-2400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
0																													1	1					
1					.2											.1													3	3					
2		.4		.2																									5	5					
3		.8	.2	.4												.1													7	7					
4		1.2	.6	.8									.1															9	9						
5		1.6	1.0	1.2									.2															11	11						
6		2.0	1.4	1.6	.4								.2															13	13						
7		2.4	1.8	2.0	.8								.2															15	15						
8		2.8	2.2	2.4	1.2								.2															17	17						
9		3.2	2.6	2.8	1.6								.2															19	19						
10		3.6	3.0	3.2	2.0								.2															21	21						
11		4.0	3.4	3.6	2.4								.2															23	23						
12		4.4	3.8	4.0	2.8	.4							.2															25	25	12	3				
13		4.8	4.2	4.4	3.2	.8							.2															27	27	18	8				
14		5.2	4.6	4.8	3.6	1.2							.2															29	29	24	11				
15		5.6	5.0	5.2	4.0	1.6							.2															31	31	30	15				
16		6.0	5.4	5.6	4.4	2.0							.2															33	33	36	18				
17		6.4	5.8	6.0	4.8	2.4							.2															35	35	42	21				
18		6.8	6.2	6.4	5.2	2.8							.2															37	37	48	24				
19		7.2	6.6	6.8	5.6	3.2							.2															39	39	54	27				
20		7.6	7.0	7.2	6.0	3.6							.2															41	41	60	30				
21		8.0	7.4	7.6	6.4	4.0							.2															43	43	66	33				
22		8.4	7.8	8.0	6.8	4.4							.2															45	45	72	36				
23		8.8	8.2	8.4	7.2	4.8							.2															47	47	78	39				
24		9.2	8.6	8.8	7.6	5.2							.2															49	49	84	42				
25		9.6	9.0	9.2	8.0	5.6							.2															51	51	90	45				
26		10.0	9.4	9.6	8.4	6.0							.2															53	53	96	48				
27		10.4	9.8	10.0	8.8	6.4							.2															55	55	102	51				
28		10.8	10.2	10.4	9.2	6.8							.2															57	57	108	54				
29		11.2	10.6	10.8	9.6	7.2							.2															59	59	114	57				
30		11.6	11.0	11.2	10.0	7.6							.2															61	61	120	60				
31		12.0	11.4	11.6	10.4	8.0							.2															63	63	126	63				

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 28 5 (01 A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS IAP OK STATION NAME

73-01

YEARS

JAN
 MONTH

PAGE 1 0170-2300
 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			
1																																							1
2																																							1
3																																							1
4																																							1
5																																							1
6																																							1
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																																							522
TOTAL																																							522

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

Element (X)	Σx	Σx ²	K	σ _s	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F		+ 93 F
Ref. Hum.	4140.73	567.71	05.115	0.475	522							
Dry Bulb	7567.01	264.33	32.111	0.535	522							43
Wet Bulb	7753.4	237.24	24.91	0.235	522							43
Dew Point	3233.2	187.53	22.411	0.545	522	2.4	75.7					43

PSYCHROMETRIC SUMMARY

1973 WILL ROUSERS IAP OK
STATION STATION NAME

73-21

YEARS

JAN
MONTH

PAGE 1 ALL
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													
72																							4	2											
71																							2	2											
70																							5	5											
69																							13	13											
68																							21	21											
67																							47	47											
66																							45	45											
65																							67	67	1										
64																							91	91	5	1									
63																							125	125	22	3									
62																							150	150	35	4									
61																							195	195	57	20									
60																							155	155	170	39									
59																							245	245	175	39									
58																							241	241	189	47									
57																							259	259	275	55									
56																							311	311	335	106									
55																							377	379	342	161									
54																							467	467	452	233									
53																							533	534	671	372									
52																							444	444	473	441									
51																							293	293	535	417									
50																							332	332	367	429									
49																							275	279	385	453									
48																							179	179	253	346									
47																							253	253	272	389									
46																							373	373	286	556									
45																							220	220	344	341									
44																							176	177	220	274									
43																							148	148	144	267									
42																							92	92	139	301									
41																							105	105	132	261									
40																							49	49	70	213									
Element (X)	Σx^2				Σx																			Mean No. of Hours with Temperature											
Rel. Hum																											Total								
Dry Bulb																		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F												
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26.5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/RAD

PSYCHROMETRIC SUMMARY

0213 WILL ROUSERS IAP OK
STATION

75-01

YEARS

FEB
MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point		
51											.1																									5	5	
52											.1																									7	7	
53					.1		.3										.1																		4	4		
54					.7											.1																			7	7	1	
55					.1		.3				.3					.1		.4																	4	9	5	
56							.7									.3																			11	11	2	
57							.3									.5																			10	10	7	
58					.1		.1				.1					.1		.3																	11	11	1	
59					.1		.3				.5					.7		.1																	19	19	6	
60					.2		.2				.4					.5		.5																	19	21	7	
61					.7		.6				.9																								27	28	8	
62					1.0		.3				1.5																								29	29	43	
63					.7		1.1				1.2					.4		.1																	30	30	12	
64							2.0				.5					.1																			52	52	8	
65					.1		2.5				1.5					.1																			35	35	1	
66					1.1		2.7				1.5																								50	50	32	
67					1.5		2.4				2.5					.8																			55	55	43	
68					.1		4.0				2.5					.7																			51	51	44	
69					.3		4.3				3.2					.5																			52	52	42	
70					.8		3.7				2.1																								50	50	64	
71					1.0		2.4				1.3																								36	36	55	
72					.7		3.2				.2					.1																			37	38	64	
73					.3		2.3				.1																								27	27	55	
74					1.3		1.6				.1																								24	24	55	
75					.7		3.2				.1																								33	33	53	
76							1.7																												13	13	20	
77					.2		1.2																												10	10	30	
78							.7																												5	5	20	
79																																			7	7	19	
80					.1		.4																												2	2	16	
81					.3																														3	3	14	
82					.1		.3																												3	3	3	
83					.1		.1																												2	2	6	
84																																					2	
Element (X)	Σ X	Σ X ²	X	X ²	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1953 WILL ROGERS IAP OK
 STATION STATION NAME

73-61

YEARS

FEB
 MONTH

PAGE 1 0000-1200
 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																					
	1.1	1.4	2.5	3.5	7.5	7.5	3.6	1.7	1.5	1.1	.1																										749	752	749	749

Element (X)	Σ X'	Σ X	K	Σ X ²	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4151173	74245	72.417	250	749	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 95 F	
Dry Bulb	1354605	26723	35.511	.828	752		34.0	.6				84
Wet Bulb	51214	74124	32.29	9.961	749		44.2					54
Dew Point	511576	19936	25.61	535	749	.4	51.3					54

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS IAP OK STATION NAME

73-01 YEARS

YEARS

FEB MONTH

PAGE 1 0000-1500 HOURS S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
57/50						.4	.1																												4	4				
57/51			.1	.3						.1																									7	7				
57/52				.1							.1																								4	4		1		
57/53			.1		.4	.1						.1																						2	5	0	1			
57/54				.3								.1	.1	.3																				6	6	3	3			
57/55			.1	.7		.5			.3			.1	.1																					12	12	2	4			
57/56		.1	.1	.4	.3	.7						.1																						9	9	6	5			
57/57			.7	.3	.7	.7						.1																						14	14	11	4			
57/58			.9	.1	.3	.7	.4					.1	.3																					15	15	7	7			
57/59			.2	.3	.1	.3	.4	1.2	.8				.1																					21	21	4	1			
57/60			.3	.4	.4	1.2	.8						.1																					39	39	17	9			
57/61			1.1	.7	.3	1.2																												20	25	11	13			
57/62		.1	1.6	1.5	1.2	.5																												37	37	11	14			
57/63		.1	3.2	1.5	.0	.1																												43	43	40	14			
57/64		.9	1.9	2.4	1.2																													46	46	52	34			
57/65		.9	4.0	2.0	.5	.1																												57	57	50	32			
57/66		.7	3.5	2.0	.5																													51	57	44	31			
57/67	1.1	4.2	2.9	.5																														64	64	50	31			
57/68	1.5	4.4	1.2																															62	62	73	51			
57/69	.9	4.6	1.9																															62	62	54	62			
57/70	1.1	2.7	.5																															62	62	55	67			
57/71	.1	2.4	.3																															21	21	25	62			
57/72	1.3	2.7																																70	60	77	55			
57/73	.9	3.9	.1																															35	35	76	52			
57/74	.4	1.1	.1																															12	12	27	45			
57/75		1.9																																14	14	9	31			
57/76		.8																																6	6	15	20			
57/77	.7	.4																																6	6	7	14			
57/78	.3	.3																																4	4	7	17			
57/79																																					6	6		
57/80																																					4	4	4	5
57/81	.1	.4																																	4	4	2	7		
57/82	.1																																		1	1	3			
Element (X)	Σ X ¹	Σ X	X	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																																								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS TAP OK
 STATION NAME

70-81

YEARS

FEB
 MONTH

PAGE 1 OF 1
 HOURS 748

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ -	1																												1	1	1	0			
/ -																																0			
/ -																																1			
/ -																																1			
/ -11																																1			
/ -12																																1			
748	233	714	813	2	4.2	7.1	3.0	3.1	1.9	.9	.5																	748	748		748				

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\leq 67^\circ \text{F}$	$\leq 73^\circ \text{F}$	$\leq 80^\circ \text{F}$	$\leq 93^\circ \text{F}$	
Rel. Hum.	3553410	50106	67.0	19.939	748							04
Dry Bulb	1277673	29337	39.2	13.112	748		27.5	1.9				34
Wet Bulb	985523	25219	34.7	10.471	748		35.5					34
Dew Point	663536	20756	27.7	10.998	748	.6	58.3					34

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

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS INP OK STATION NAME

73-61

YEARS

MONTH

PERIOD 12-1-1950
 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																																						
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100																																						
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																																						

FORM NO. 0-26-5 (OLA) REVISIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

ARMY METEOROLOGICAL BRANCH
 FT. C
 WASHINGTON SERVICE 7440

PSYCHROMETRIC SUMMARY

STATION NAME: FT. C
 STATION NAME: FT. C

75-01

YEARS

1951

12-14
 HOURS

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point							
10																																									
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31																																									
																																								748	745

Element (X)	ΣX	ΣX^2	\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.	2348.00	41235	57.22	6.91	748							
Dry Bulb	12183.48	3501	48.81	5.83	748		17.4	11.5	5.7			39
Wet Bulb	12183.48	2941	38.81	5.16	748		25.3					39
Dew Point	5793.75	3111	26.11	5.39	748	0.7	57.3					39

USAFETAC FORM 0-26 5 (OLA) 0-26 5 (OLA) REVISIONS EDWARDS OF THIS FORM ARE OBSOLETE JUL 64

CLIMATE DIVISION
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: KILL DEER LAGOON STATION NAME: KILL DEER LAGOON
 YEARS: 1951-1952
 PERIOD: 1951-1952

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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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\bar{X}																																						
s _x																																						
No. Obs.																																						
Mean No. of Hours with Temperature																																						
Rel. Hum.																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0265 (OL A) REVISIONS INDICATED BY THIS IN AN APPROPRIATE MANNER

UNITED STATES AIR FORCE
 OFFICE OF CLIMATE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: WILL ROGERS TAP STATION YEAR: 1951 PERIOD: JANUARY
 MONTH: YEARS: MONTHS: HOURS: 756

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

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
						0 F	1-32 F	33-66 F	67-73 F	74-80 F	81-93 F	
Rel. Hum.	2786040	44577	59.120	.525	756	0	19.4	3.4	0.9			24
Dry Bulb	1554404	72113	95.413	.631	756		25.3					24
Wet Bulb	1118644	72127	95.410	.138	756		52.7					24
Dew Point	679949	21157	28.117	.708	756	0.3						

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

GENERAL CLIMATOLOGY BRANCH
USAFETAC
4218 4TH AVE SEAVILLE/MAC

PSYCHROMETRIC SUMMARY

STATION **WILL HOURS [AP 01]**
STATION NAME

73-51

YEARS

PER MONTH

PAGE 1 7470-2710

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		
73	.2	3	4	7	4	5	5	7	7	4	1	2	1	1	2	.4	.1																				747	747	747

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	0-32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Rel. Hum.	3547743	-0823	64.017	934	747							
Dry Bulb	1215233	28797	38.512	038	747		25.6	6				34
Wet Bulb	55287	35451	34.3	9.852	747		34.2					34
Dew Point	556241	25747	27.815	357	747		56.4					34

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

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY SERVICE
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION 3 WILLOW GROVE IAP OK STATION NAME 73-51 YEARS FEB 1952 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'		ΣX		X̄		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 PERIODIC EDITION OF THIS FORM AND TABLE

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

PSYCHROMETRIC SUMMARY

STATION: **WALL HOBBS IAP OK**
 STATION NAME

73-51

YEARS

M2-
0144

PERIOD: **1971-1972**
 MONTHS: **12**

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			
73																																				52.0	52.3	42.0	42.0
74																																				52.0	52.3	42.0	42.0
75																																				52.0	52.3	42.0	42.0
76																																				52.0	52.3	42.0	42.0
77																																				52.0	52.3	42.0	42.0
78																																				52.0	52.3	42.0	42.0
79																																				52.0	52.3	42.0	42.0
80																																				52.0	52.3	42.0	42.0
81																																				52.0	52.3	42.0	42.0
82																																				52.0	52.3	42.0	42.0
83																																				52.0	52.3	42.0	42.0
84																																				52.0	52.3	42.0	42.0
85																																				52.0	52.3	42.0	42.0
86																																				52.0	52.3	42.0	42.0
87																																				52.0	52.3	42.0	42.0
88																																				52.0	52.3	42.0	42.0
89																																				52.0	52.3	42.0	42.0
90																																				52.0	52.3	42.0	42.0
91																																				52.0	52.3	42.0	42.0
92																																				52.0	52.3	42.0	42.0
93																																				52.0	52.3	42.0	42.0
94																																				52.0	52.3	42.0	42.0
95																																				52.0	52.3	42.0	42.0
96																																				52.0	52.3	42.0	42.0
97																																				52.0	52.3	42.0	42.0
98																																				52.0	52.3	42.0	42.0
99																																				52.0	52.3	42.0	42.0
100																																				52.0	52.3	42.0	42.0
Total	427267	57736	73.16.445	623	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total	43	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93				

FORM NO. 0-26.5 (O.L.A.) REISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

ARMY CLIMATOLOGY BRANCH
 FORT MONTEZUMA
 WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: WILLIAMS AIRFIELD STATION NAME: 70501 YEARS: 1947-1952
 DATE: 10-20-52

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
	17.5	16.2	14.9	13.6	12.3	11.0	9.7	8.4	7.1	5.8	4.5	3.2	1.9	0.6	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	0.0	0.0	0.0	0.0
	8.9		10.7		12.5		14.3		16.1		17.9		19.7		21.5		23.3		25.1		26.9		28.7		30.5		32.3		34.1		35.9		37.7		39.5	

Element	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	4040009	32147	75.015	144	529							
Dry Bulb	1020571	35712	43.11	324	529	12						12
Wet Bulb	1357575	32944	39.7	9.80	529		27					27
Dew Point	1134451	29161	35.211	458	529		41					41

USAFETAC FORM 0 20 5 (CL A) 10-52 10-52 10-52 10-52 10-52 10-52

ARMED AIR FORCE BRANCH
 STATION
 STATION NAME

PSYCHROMETRIC SUMMARY

STATION WILLIAMS FIELD
 STATION NAME

7-6-61

YEARS

21
 0-6-61

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew - F	
70																																					
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99																																					
100																																					
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 0265 (OLA) REVISION 1-60 (SUPERSEDES FORM 0265-1-58)

PSYCHROMETRIC SUMMARY

WEATHER STATION OF CHANCE
 DATE: 1951
 TIME: 0800-1200

STATION: WILCOCKERS AFB TX
 STATION NAME: WILCOCKERS AFB TX

DATE: 7-1-51

YEARS: 1

TIME: 0800-1200

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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																																										
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10																																										
5																																										
0																																										
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total																															
Rel Hum	3424.56	302.5	51.08	7.824	562	0 F	32 F	67 F	73 F	80 F	93 F																															
Dry Bulb	2234.57	41.13	5.71	.031	562		5.4	1.0																																		
Wet Bulb	1574.1	34.44	4.39	.364	562		9.4	.1																																		
Dew Point	1214.65	27.73	3.81	.857	562		35.1																																			

USAFETAC FORM 0-26.5 (O.C. 4) RE-USE WITH CAUTION FOR TECHNICAL REPORTS & OTHER
 JUL 50

UNITED STATES AIR FORCE
 100TH AIR REFUELING WING
 100TH AIR REFUELING SQUADRON

PSYCHROMETRIC SUMMARY

STATION: KILL POWER TAP 04 STATION NAME: TCH-04 YEARS: 1954
 PERIOD: 12-1-54 TO 12-31-54

USAFETAC FORM 0 26 5 (OL-A) REVISION 10-1-54 (THIS IS THE NEW 26-5)

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	DB WB	Dry Bulb	Wet Bulb	Dew Point	
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100																																					
Element	Σx^2	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																																					

14-00000-0001-0001-0001
 14-00000-0001-0001-0001
 14-00000-0001-0001-0001

PSYCHROMETRIC SUMMARY

STATION: W. L. HOOPER CAMP
 STATION NAME: W. L. HOOPER CAMP

75-01

YEARS

180

DATE: 1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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}	σ^2	No. Obs	Mean No. of Hours with Temperature					Total	
Rel Hum	2347231	43755	44.32	1.64	926	0 F	32 F	67 F	73 F	80 F	9	5
Dry Bulb	2335434	47736	57.51	2.34	926	7.7	23.4	9.8	2.3			5
Wet Bulb	1443845	39717	47.59	1.71	926	5.5	7					3
Dew Point	1204901	29959	36.31	1.97	926	35.9						3

USAFETAC FORM 10-54
 0 26 5 (OLA)
 REVISOR INSTRUCTIONS: PRINT IN INK AND BOLD TYPE

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS TAP OK
 STATION NAME

73-61

YEARS

MA-
 MONTH

PAGE 15 0-700
 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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Rel. Hum.																																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-265 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JUL 64

CENTRAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AIR WEATHER SERVICE/MAJ

PSYCHROMETRIC SUMMARY

STATION: WILL ROGERS TAP OK
 STATION NAME

75-33

YEARS

442
 MONTH

PAGE 1 OF 1
 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL D.B.	TOTAL W.B.	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					
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Total																																			525	576	545

Element (X)	ΣX^2	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.	125215	44751	53.22	1.506	828							93
Dry Bulb	2554522	45116	54.51	1.334	828	2.7	12.8	5.2	.5			93
Wet Bulb	17971.1	37895	45.8	8.724	828	7.1						93
Dew Point	1155522	29380	35.54	1.591	828	.1	36.8					93

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

FEDERAL BUREAU OF SURVEILLANCE
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C. 20541
 METEOROLOGICAL SERVICE/MAID

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS 1BP OF STATION NAME

73-51

YEARS

MONTH

PAGE 1 OF 2
 HOURS 11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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	
/ 73																																			1	1	
/ 74																																			1	1	
/ 75												.1	.1																						2	2	
/ 76						.1	.1				.5	.1		.1																				7	7		
/ 77					.4	.1	.7			.2	.1												.1											12	17		
/ 78				.1	.4	.7	.2			.1	.1		.1	.1	.2																			14	14	3	
/ 79				.4	.7	.2	.1	.1		.1	.1		.1	.1	.1								.1										15	15	7		
/ 80		.4	.4	.6	.2	.5	.7	.5		.2	.5		.2																				19	19	16	7	
/ 81		1.2	.5	.5		.1	.4	.5		.1																							33	36	15	3	
/ 82		.7	1.1	1.3	1.1	1.2	1.7	1.7	.5		.1	.5																					55	55	20	13	
/ 83			1.5	1.2	1.2	1.2	.5	1.1	.1		.1																						53	53	20	21	
/ 84		1.1	1.7	1.3	1.4	.7	.8	.4		.2	.1																						55	55	20	17	
/ 85		1.3	.5	.8	2.4	.5	.4	.2		.1																							55	55	20	24	
/ 86		2.7	1.1	2.4	1.2	.5	.7	.4																									73	73	27	31	
/ 87		1.1	.5	1.2	1.7	1.1	.5	.1																									73	73	27	17	
/ 88		1.1	2.2	2.1	1.2	.6																											59	59	23	21	
/ 89		2.2	2.1	1.5	1.1			.1																									59	59	26	23	
/ 90		1.1	1.3	2.2	1.2	.2																											49	49	22	36	
/ 91	.5	1.3	1.1	1.3	.4																												45	45	55	34	
/ 92	.2	1.3	.9	.2	.1																												27	27	59	31	
/ 93	.8	1.1	.8	.1																													27	23	49	35	
/ 94	1.2	1.5	.1																													24	24	47	53		
/ 95	.5	1.1	.2																														16	16	15	73	
/ 96	.4	.5	.1																														9	9	27	49	
/ 97	.4	.2	.2																														7	7	11	31	
/ 98	.5	.5																															9	9	15	43	
/ 99																																				11	34
/ 00	.2																																2	2	2	26	
/ 01	.1																																1	1	2	21	
/ 02	.2																																2	2	1	14	
/ 03	.1																																1	1	2	7	
/ 04																																				1	9
Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

USAFETAC CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: WHEEL HOOVER'S IAP ON
 STATION NAME: WHEEL HOOVER'S IAP ON

73-61

YEARS

MONTH

PERIOD: 2-1-55-2-28-55
 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																																								924	704	574	114

Element (X)	ΣX^2	ΣX	\bar{X}	S^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	35607.5	52.05	64.218.179	824	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	357445	4301	44.910.244	824	5.3	4.2	.5	.2			7.3
Wet Bulb	154604	3550.8	43.28.951	824	9.3						7.3
Dew Point	117213	2979.3	36.211.133	824	35.6						7.3

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

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WILL HUBERS IAP CA
 STATION NAME

72-51

YEARS

PERIOD

PERIOD

PERIOD

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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																																			10	17	75	71
71																																			15	19	75	72
72																																			27	19	75	72
73																																			10	17	74	71
74																																			11	11	74	73
75																																			9	5	74	74
76																																			7	7	6	67
77																																			2	2	9	48
78																																						
79																																						
80																																						
81	1.4	4.1	1.1	1.1	1.3	7.1	1.1			7.7	5.4	5.2	4.7	2.5	2.7	1.1	.5																					
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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.	27046457	474761	61.521	7.54	659							744
Dry Bulb	1771737	333474	50.512	6.06	659		31.9	79.6	31.7	7.7		744
Wet Bulb	1327455	268767	40.8	9.755	659		39.8	1.2				744
Dew Point	935748	235615	35.511	5.86	659		297.9					744

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

CLIMATE BUREAU, WASHINGTON
 METEOROLOGICAL SERVICE, WASH.

PSYCHROMETRIC SUMMARY

STATION: WILCOX, ALA. STATE: ALA. YEARS: 1951-52 MONTH: JULY HOURS: 24

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																																					
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80-89																																					
90-99																																					

Element (X)	$\sum X^2$	$\sum X$	\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.	4224219	56469	71.5	14.512	757							
Dry Bulb	2443768	4325	5.7	0.345	757		1.3	7.1				
Wet Bulb	251714	3942	5.2	0.42	757		3.8	1.5				
Dew Point	1723739	35915	45.5	1.928	757		17.5	5				

USAFETAC FORM 0 265 (OL A) METEOROLOGICAL SERVICE OF THE AIR FORCE

14-00000-00000-0000
 14-00000-00000-0000
 14-00000-00000-0000

PSYCHROMETRIC SUMMARY

STATION: 14-00000-00000-0000 STATION NAME: YEARS: 14-00000-00000-0000

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. WB	Dry Bulb	Wet Bulb	Dew Point					
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TOTAL																																								
D.B. WB																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								
Element X																																								
Rel Hum																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								
No. Obs																																								
Mean No. of Hours with Temperature																																								
0 F																																								
32 F																																								
67 F																																								
73 F																																								
80 F																																								
93 F																																								
Total																																								

USAFETAC FORM 0-26-5 (0-0-4) 14-00000-00000-0000

1. NAME OF MATRIAL OR BRANCH
 2. LOCATION
 3. DATE OF OBSERVATION

PSYCHROMETRIC SUMMARY

STATION: WILSON FIELD AIRFIELD
 STATION NAME: WILSON FIELD AIRFIELD

7-5-51

YEARS

10

MONTHS

PERIOD

DATE

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

Element	X	Z _g	Z _k	\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.		1.1	1.5	0.2	0.549	7							
Dry Bulb		1.1	1.5	0.2	0.55	7				10.4			
Wet Bulb		1.1	1.5	0.2	0.54	7				4.5			
Dew Point		1.1	1.5	0.2	0.53	7		10.3		0.1			

USAFETAC Form 0 26 5 (C, A) 10-54

PSYCHROMETRIC SUMMARY

STATION:
 LOCATION:
 DATE:
 YEAR:
 MONTH:
 DAY:
 TIME:
 WIND:
 STATE:
 COUNTY:
 ALTITUDE:
 REFERENCE:
 MET. NO.:

PERIOD:
 YEARS:
 PAGE:
 TOTAL HOURS:
 MONTHS:
 DAYS:

Time	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point				
	1	2	3	4	5	6	7	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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Totals																																							
Element	X	Σ X'		Σ X		\bar{X}	σ_X		No. Obs.		Near. No. of Hours with Temperature						Totals																						
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 (CLAS) REVISION 1-1-64 (REVISION OF FORM 0-26.5, 1-1-54)

FEDERAL BUREAU OF SURVEYING
 NATIONAL METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS 12P OK STATION NAME

73-81

YEARS

PERIOD 1270-1400 HOURS

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.	Total		
73.2				6	7	5	6	7	7	1	5	4	7	13	3	11	0	7	1	4	7	4	0	1	9	0									73.2	73.2

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2287.45	394.5	47.9	19.52	73	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	37237.5	4475	67.9	9.45	73			57.4	52.4			
Wet Bulb	25337.5	4475	66.5	8.99	73			11.0				
Dew Point	12555.9	767.1	46.5	12.33	73	13.7		.6				

USAFETAC FORM 0265 (01A) REVIS REVISIONS TO THIS FORM ARE OBSOLETE

WILSON MILITARY BRANCH
 1000 SOUTH K. SERVICE ROAD

PSYCHROMETRIC SUMMARY

STATION: WILSON MILITARY BRANCH
 STATION NAME: WILSON MILITARY BRANCH

75-81

YEARS

40-
MONTH

PERIOD: 10-1-50
 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		
70																																							
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No. Obs.																																							
Mean No. of Hours with Temperature																																							
Rel. Hum.																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26.5 (OL A) REVISION 1-1-50 (REVISED FROM FORM 0-26.5-47)

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

PSYCHROMETRIC SUMMARY

STATION WIDE HUBERS IAP OF
 STATION NAME

73-61

YEARS

APR
 MONTH

PAGE 1 OF 1
 HOURS 795

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL										
	0	1	2	3	4	5	6	7	8	9	10	11	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	Dee-Point							
1																																							795	795	795		
2																																											
Element (X)	ΣX^2	ΣX	\bar{X}	s^2	s	No. Obs.	Mean No. of Hours with Temperature					Total																															
Rel Hum.	2758109	4421	5.32	0.175		795	+0 F	+32 F	+67 F	+73 F	+80 F	+93 F	Total																														
Dry Bulb	3525426	4421	5.32	0.175		795	34.3	15.9	1.7																																		
Wet Bulb	2416875	4335	5.45	0.124		795	5.5																																				
Dew Point	1788336	3643	4.58	0.855		795	12.5	6.3																																			

USAFETAC FORM 0-26 5 (OLA) 1-58-58 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
 FEDERAL BUREAU OF SURVEILLANCE
 CLIMATE SERVICE/MAD

PSYCHROMETRIC SUMMARY

STATION: WILLIAMS FIELD IAP, OH
 STATION NAME: WILLIAMS FIELD IAP, OH

73-81

YEARS

MONTH

PAGE: 1 OF 1
 21 10-27-73

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 P.	
70					.5					.1																									4	4		
71					.5			1.1																										12	12			
72					.5	1.1		1.1																										17	17			
73				.1	1.4	1.4	1.1	1.1				.1	.4	.1	.1																		45	45				
74			.5	1.5	1.5	1.1	1.1	1.1				.1	.1	.1	.1																		55	55	16			
75			1.2	1.5	1.5	1.1	1.1	1.1				.1	.1	.1	.1																		60	60	16	16		
76			.7	1.4	1.4	1.1	1.1	1.1				.5	.1	1.3	.5																		47	47	65	65		
77			1.2	1.4	1.4	1.1	1.1	1.1				.1	.1	.1	.1																		77	77	75	75		
78			.5	1.4	1.4	1.1	1.1	1.1				.1	.1	.1	.1																		71	71	71	71		
79			.5	1.4	1.4	1.1	1.1	1.1				.1	.1	.1	.1																		71	71	71	71		
80			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		44	44	43	43		
81			1.4	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		57	57	49	49		
82			.5	1.4	1.4	1.1	1.1	1.1				.1	.1	.1	.1																		44	44	43	43		
83			.5	1.4	1.4	1.1	1.1	1.1				.1	.1	.1	.1																		41	41	40	40		
84			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		47	47	45	45		
85			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		37	37	55	55		
86			.1	.5	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		17	17	45	45		
87			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		17	17	45	45		
88			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		17	17	45	45		
89			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		17	17	45	45		
90			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		17	17	45	45		
91			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		17	17	45	45		
92			.5	1.1	1.1	1.1	1.1	1.1				.1	.1	.1	.1																		17	17	45	45		
93			.1	.4	.1																													5	5	5	5	
94			.1	.1	.1																													2	2	4	4	
95			.1	.1	.1																													1	1	1	1	
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TOTAL																																			790	790	790	790

USAFETAC FORM 026.5 (OL A) PSYCHROMETRIC SUMMARY (FOR WINDS AND AIR QUALITY) 10-64

Element (X)	ΣX^2	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.	3744608	52796	66.46555		790							790
Dry Bulb	272701	48433	58.18693		791			15.7	1.3			790
Wet Bulb	2205374	41102	52.18691		790		1.1	2.4				790
Dew Point	1795402	36506	46.31122		790		9.0	.7				790

PSYCHROMETRIC SUMMARY

STATION:
 DATE:
 TIME:
 YEAR:
 MONTH:
 DAY:
 HOUR:
 MINUTE:
 SECOND:
 LOCATION:
 NAME:
 NUMBER:
 TYPE:
 HEIGHT:
 DIRECTION:
 WIND:
 VELOCITY:
 DIRECTION:
 STATE:
 COUNTRY:
 ELEVATION:
 SURFACE:
 EXPOSURE:
 INSTRUMENTS:
 NAME:
 MODEL:
 SERIAL:
 DATE:
 CHECKED:
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 SCALE:
 UNIT:
 CORRECTIONS:
 NAME:
 MODEL:
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 SCALE:
 UNIT:
 CORRECTIONS:

STATION:
 DATE:
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 YEAR:
 MONTH:
 DAY:
 HOUR:
 MINUTE:
 SECOND:
 LOCATION:
 NAME:
 NUMBER:
 TYPE:
 HEIGHT:
 DIRECTION:
 WIND:
 VELOCITY:
 DIRECTION:
 STATE:
 COUNTRY:
 ELEVATION:
 SURFACE:
 EXPOSURE:
 INSTRUMENTS:
 NAME:
 MODEL:
 SERIAL:
 DATE:
 CHECKED:
 BY:
 DATE:
 SCALE:
 UNIT:
 CORRECTIONS:

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

USAFETAC FORM 0 26 5 (OL A) REVISE METRIC EDITIONS OF THIS FORM AND (REV) DATE

U.S. METEOROLOGICAL SERVICE
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: WILCOX, ALASKA
 STATION NAME: WILCOX, ALASKA

75-81

YEARS

YEAR

PERIOD

PERIOD

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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	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.	115.67	4377	7.4	10.7	15							
Dry Bulb	3138.65	1185	61.7	7.03	51							51
Wet Bulb	2745.14	4718	53.8	7.24	51							51
Dew Point	2522.79	44161	55.1	8.457	51							51

USAFETAC FORM 0-28.5 (O.L.A.) REVISION 10-64

PSYCHROMETRIC SUMMARY

STATION:
 NAME:
 LOCATION:
 STATE:
 COUNTY:
 ZIP CODE:
 ELEVATION:
 DATE:
 TIME:
 YEAR:
 MONTH:
 DAY:
 HOUR:
 MINUTE:
 SECOND:
 WIND DIRECTION:
 WIND SPEED:
 VISIBILITY:
 CLOUDS:
 PRECIPITATION:
 RELATIVE HUMIDITY:
 WET BULB TEMPERATURE:
 DRY BULB TEMPERATURE:
 DEW POINT:
 WET BULB TEMPERATURE DEPRESSION:
 WIND CHILL:
 HEAT INDEX:
 APPARENT TEMPERATURE:
 SOLAR RADIATION:
 LONGWAVE RADIATION:
 NET LONGWAVE RADIATION:
 NET RADIATION:
 SURFACE TEMPERATURE:
 AIR TEMPERATURE:
 GROUND SURFACE TEMPERATURE:
 SOIL SURFACE TEMPERATURE:
 WATER SURFACE TEMPERATURE:
 ICE SURFACE TEMPERATURE:
 SNOW SURFACE TEMPERATURE:
 FROST:
 RAIN:
 SNOW:
 HAIL:
 Sleet:
 Fog:
 Mist:
 Smog:
 Smoke:
 Dust:
 Sand:
 Salt:
 Ash:
 Volcanic Ash:
 Other:
 Remarks:
 Comments:
 Notes:
 Observations:
 Measurements:
 Calculations:
 Conclusions:
 Recommendations:
 Summary:
 Final Report:
 End of Report

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Days	
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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	546	10411	6.1	1.02	100							
Dry Bulb	111	773	6.1	7.275	100							
Wet Bulb	77	4789	5.1	7.47	100							
Dew Point	20	4852	3.8	8.71	100							

USAFETAC FORM 0265 (OL A) JUL 64

GENERAL INVESTIGATIVE DIVISION
 FBI
 AIRCRAFT SERVICE UNIT

PSYCHROMETRIC SUMMARY

STATION: WILCOX, ALASKA
 STATION NAME: WILCOX

1961

YEARS

DAY
 MONTH

PAGE 1 15 0-17
 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.		
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Element (X)	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X	Z _X
Rel. Hum.																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0205 (OL-A) 8-57-57 (REV. 10-1-57)

USAFETAC
 METEOROLOGICAL BRANCH
 AIR FORCE SERVICE/AFAC

PSYCHROMETRIC SUMMARY

STATION: WILLOW GROVE TAP CO. STATION NAME

75061

YEARS

MONTH

PERIOD: 1900-1700 HOURS

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

Element (X)	Σ X	Σ X²	X̄	s²	No. Obs.	Mean No. of Hours with Temperature					
						10 F	32 F	67 F	73 F	80 F	93 F
Rel. Hum.	23537	43475	53.818	305	51						
Dry Bulb	475277	5276	75.77	930	814			51.4	57.1	30.9	.3
Wet Bulb	342447	52361	64.26	871	815			39.3	10.4		.5
Dew Point	2577743	45999	56.415	511	815			1.3	13.9	.9	.5

PSYCHROMETRIC SUMMARY

WET BULB TEMPERATURE DEPRESSION (F)

STATION: KILL CREEK APP. GA. STATION NAME: 73-01 YEARS: 1941 MONTH: MAY

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-WB	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
 JAN 64

Element (X)	$\sum x^2$	$\sum x$	\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.	4042727	6701	74.0	12.235	90						
Dry Bulb	345749	5339	64.5	7.334	82			38.4	12.5		43
Wet Bulb	253776	4872	59.6	7.333	82			18.9	7		43
Dew Point	223714	4558	55.9	8.497	82	.1		5.5			43

PSYCHROMETRIC SUMMARY

U.S. AIR FORCE
CLIMATE DIVISION
WET BULB TEMPERATURE DEPRESSION

STATION: WILSON FIELD IAP CA
STATION NAME

Total

YEARS

BY MONTH

PER

ALL HOURS

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.	TOTAL
70																																	6544	6544

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						50 F	52 F	67 F	73 F	80 F	93 F	
Rel. Hum.	33378615	403667	69.5	17.2	5544							
Dry Bulb	3195714	44376	67.1	9.4	5544	375.5	205.5	75.7				744
Wet Bulb	24395611	396431	69.6	7.6	5544	180.1	29.5					744
Dew Point	20970601	366672	55.9	9.1	5544	5.2	75.8	1.8				744

USAFETAC FORM 07-5 (OLA) REV. 12-15-54
 PREPARED BY: CLIMATE DIVISION, AFMPC, WASHINGTON, D.C.

PSYCHROMETRIC SUMMARY

STATION: [illegible] NUMBER: [illegible]
 LOCATION: [illegible] NAME: [illegible]

73-61

YEARS

DATE

[illegible] [illegible]

Temp.	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	OB. W.B.	Dr. B. B.	Wet Bulb	Dr. P.			
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31																																						
TOTAL																																						
OB. W.B.																																						
Dr. B. B.																																						
Wet Bulb																																						
Dr. P.																																						
1. 1.																																						

USAFETAC Form 0-205 (Rev. 5-54) based upon AFM 7-10.5, 10-10.5, 11-10.5, 12-10.5, 13-10.5, 14-10.5, 15-10.5, 16-10.5, 17-10.5, 18-10.5, 19-10.5, 20-10.5, 21-10.5, 22-10.5, 23-10.5, 24-10.5, 25-10.5, 26-10.5, 27-10.5, 28-10.5, 29-10.5, 30-10.5, 31-10.5

CLIMATE BRANCH
 FEDERAL BUREAU OF SURVEILLANCE

PSYCHROMETRIC SUMMARY

STATION: HILL OVER, IAP, OK
 STATION NAME

70-61

YEARS

MONTH

DATE

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	De-w Point					
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	7.1	63.5	60.5	60.5

Element	Xi	Σ Xi²	Σ Xi	Xī	Xi%	No. Obs.	Mean No. of Hours with Temperature					Total	
							≤ 0 F	1-32 F	33-67 F	68-73 F	74-80 F	81-93 F	
Rel Hum	3753371	406125	406125	67.516	40.6	6338			625.3	473.7	262.5	20.0	781
Dry Bulb	29753119	472539	68.8	5.552	6338				473.5	153.1	2.0		729
Wet Bulb	20155663	45729	64.3	6.777	6338				330.7	24.7			722

USAFETAC FORM 0-26-5 (O.C.A.) 11-54 (REV. 1-15-54) (GPO: 1954 O-26-5)

USAF CLIMATE DATA REPORT
 STATION: 35-100-100

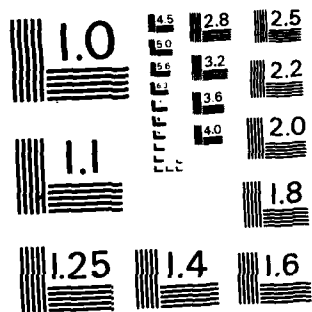
PSYCHROMETRIC SUMMARY

STATION: 35-100-100
 STATION NAME: ...

YEARS: ...
 MONTH: ...

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
100																																					
95																																					
90																																					
85																																					
80																																					
75																																					
70																																					
65																																					
60																																					
55																																					
50																																					
45																																					
40																																					
35																																					
30																																					
25																																					
20																																					
15																																					
10																																					
5																																					
0																																					
Sum																																					
Avg																																					

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



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

FEDERAL CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 1213 WILL ROGERS IAP OK STATION NAME

73-01 YEARS

YEARS

AUG MONTH

PAGE 1 0000-2200 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															
89										.1																							1	1		
87										.1	.1								.1	.1		.1										5	5			
85										.1	1.0								.1	.2		.1	.2									15	15			
83									.1	1.5	.6								.1	.1												49	49			
81						.2	.5	1.5	1.0	.4	.1																					30	30			
79			.2	1.1	1.1	1.7	1.6	.9	.7																							66	66			
77			1.7	2.2	4.7	2.6	1.7	.8	.1																						100	100				
75		.5	2.4	4.9	4.9	1.1	.7	.2	.2																						122	122	3	4		
73		1.7	5.8	5.2	1.3	1.3	.1	.1	.1																						130	150	35	7		
71	.1	3.3	5.1	4.2	1.3	.2	.6	.1																							122	122	116	26		
69	.1	2.8	5.7	1.8	1.8	.4	.4																								107	107	210	90		
67		.8	4.3	.7	1.2	.4	.1																								60	60	185	159		
65		.9	.9	.2	.1																										17	17	112	134		
63		1.0	1.1	.4																											23	23	79	141		
61		.1	.4																												4	4	46	101		
59																																		24	67	
57																																		10	32	
55																																		1	28	
53																																			18	
51																																			7	
49																																			7	
47																																			5	
45																																			3	
43																																			1	
1 15		.2	11.3	27.7	25.5	17.3	8.1	6.1	4.9	3.4	.5	.1	.2	.2	.1																				823	823
																			823		823															
																					Mean No. of Hours with Temperature															
Element (X)	ΣX'	ΣX	X	σ _x	No. Obs.	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Rel. Hum.	4473147	59549	72.4	14.143	823																															
Dry Bulb	4506805	52701	73.9	4.926	823			58.0	55.4	11.0		93																								
Wet Bulb	3756971	55531	67.5	3.502	823			62.0	4.3			93																								
Dew Point	3377520	52568	63.9	4.909	823			31.5	.9			93																								

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

FEDERAL BUREAU OF SURVEY
 GENERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-05 WILL ROGERS IAP OK
 STATION STATION NAME

73-51

YEARS

AUG
 MONTH

PAGE 1 7370-0500
 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														
67-68								.5	.2			.1						7	7																
68-69								.1	.9			.1						9	9																
69-70					.4			.9	.1	.2	.1	.1						15	15																
70-71						.6	1.1	.1	.5									19	19																
71-72			.4	1.5	1.7	1.2	.5	.2										45	47																
72-73		.5	1.3	5.7	3.2	2.1	1.3	.1	.1									116	116																
73-74		2.6	5.3	7.6	1.2	1.3	.7	.1										154	154	16	5														
74-75	.1	4.0	7.3	2.6	1.0	.5	.2											129	129	75	13														
75-76		5.2	6.7	2.4	.7	.2	.1											135	135	193	78														
76-77		3.1	5.4	1.2	.6	.4	.2											97	97	194	175														
77-78		1.5	2.3	1.6	.7	.1												54	54	137	153														
78-79		1.1	.6	.6	.1													20	20	137	127														
79-80		2.1	.1															18	18	46	81														
80-81		.2	.4															5	5	44	82														
81-82																				12	40														
82-83																				4	31														
83-84																					19														
84-85																					5														
85-86																					10														
86-87																					3														
TOTAL		.121	.531	1.322	5	8.9	6.5	5.4	1.8	1.3	.1	.2	.1					518	518	818	916														

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	42955.68	62978	77.0	12.920	818	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	93
Dry Bulb	4214358	58632	71.7	4.532	818			53.2	1.8	4.8		93
Wet Bulb	3642.15	545.5	66.6	3.547	818			30.8	.6			93
Dew Point	3340716	52136	63.7	4.665	818							93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

72-63 STATION WILL ROGERS IAP OK STATION NAME 73-01 YEARS AUG MONTH
 PAGE 1 0622-08-2 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															
5 / 85								.1	.1							.1													3		3					
6 / 83							.1	1.1	.9	.1	.5	.1	.1																24		24					
7 / 81							.1	1.2	1.7							.1	.1												24		24					
8 / 79			.1	.9	1.2	1.7	.5	.5	.4	.1																			43		43					
9 / 77			.4	2.7	2.4	1.3	.5	.2	.1																				53		53					
10 / 75		.2	3.9	3.9	1.9	1.3	.2	.2																					97		97					
11 / 73		2.6	7.1	5.2	1.9	1.5	.5	.1																					154		154	46	2			
12 / 71	.1	3.4	5.8	4.1	1.1	.4	.1	.1																					125		125	133	26			
13 / 69		5.5	7.1	1.6	1.1	.1																							129		129	173	133			
14 / 67	.2	4.3	4.1	1.7	.1	.1	.1																						51		51	155	155			
15 / 65		1.3	2.4	.4	.5																								39		39	134	141			
16 / 63		1.6	.9	.5	.1																								25		25	53	152			
17 / 61		.9	.2	.1																									10		10	45	65			
18 / 59	.1	.4	.1																										5		5	19	66			
19 / 57																																15	53			
20 / 55																																1	24			
21 / 53																																		13		
22 / 51																																		5		
23 / 49																																		5		
24 / 47	.62	.44	.32	.20	.17	.8	8.8	4.3	1.5	1.3	.4	.4																						5		
TOTAL																																			622	
																																			622	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	4344377	59626	77.212	8.597	822			84.1	46.2	8.6		93
Wet Bulb	375257	55459	67.5	3.623	822			59.1	5.3			93
Dew Point	3451236	53136	64.6	4.473	822			39.3	.3			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 1357 WILL ROGERS IAP OK STATION STATION NAME

73-81 YEARS

YEARS

AUG MONTH

PAGE 1 1900-1100 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														
97															.1	.2		3	3																
95												.2	.4	.4				12	12																
93								.1	.4	.9	1.0	.4	.5	.1				27	27																
91								.2	1.8	1.9	.1	.2	.1					37	37																
89						.1	.4	2.6	3.6	.7	.9	.7	.1					75	75																
87				.1	.1	2.9	6.4	1.8	1.1	.2	.1							126	126																
85				.1	.1	3.3	4.5	2.2	1.6	.2	.2							101	101																
83					1.1	4.9	2.3	.9	.5	.2								81	81																
81				.4	3.5	3.4	2.8	1.2	.5	.1								98	98																
79			.4	1.8	3.5	2.6	.9	.5	.2									81	81	3	1														
77			.9	1.7	1.3	1.1	.9	.9	.1									56	56	16	3														
75		.1	.7	1.2	1.7	1.1	.9	.2	.1									48	48	152	3														
73		.6	.7	1.7	.6	.6	.1	.1										37	37	244	19														
71		1.1	1.3	.9	.1	.2												29	29	131	79														
69		1.1	1.5	.9	.1	.1												25	25	174	197														
67		.1	.2	.4														6	6	81	168														
65		.1	.2															3	3	47	114														
63																				23	68														
61																				6	56														
59																				4	33														
57																					26														
55																					18														
53																					12														
51																					3														
49																					1														
47																					2														
45																					1														
TOTAL		2.9	5.5	9.1	12.3	17.4	15.3	15.2	10.7	5.6	2.8	1.8	.7	.5	.2			823	823	823	823														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	30112.9	48475	58.9	13.777	823	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	55698.8	68113	82.8	6.354	823			92.7	85.9	65.4	4.5	93
Wet Bulb	42426.9	59002	71.7	3.546	823			84.0	48.3	.5		93
Dew Point	30244.4	54462	66.2	4.646	823			53.0	2.8	.1		93

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

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1275 WILL ROGERS IAP OK
STATION STATION NAME

73-91

YEARS

AUG
MONTH

PAGE 1 1200-1400
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														
1 / 77																		.1	1	1															
1 / 77																		.2	2	2															
1 / 77																		.1	1	1															
1 / 77													.5	.5	.6	.1		13	15																
1 / 77												1.7	1.1	1.2	.1	.4		37	37																
1 / 77											.1	1.0	1.7	2.3	.2	.7	.1	51	51																
1 / 77										.7	1.2	2.3	2.3	.7	.2	.1		59	59																
1 / 77										.1	1.2	4.5	4.5	1.2	.4	.1	.2	1.1	1.1	1.1															
1 / 77									.2	1.5	5.5	4.5	1.1	1.0	.1	.1		115	115																
1 / 77									.7	4.8	4.8	2.1	2.2	.5			.4	124	124																
1 / 77						.4	2.3	3.8	1.7	1.3	.4	.2						83	83																
1 / 77						.1	1.1	1.5	1.3	1.1	.5	.7						52	52																
1 / 77						.1	1.0	1.2	1.2	.5	.6							41	41																
1 / 77				.4	1.3	.9	1.1	.8	.1	.2								38	38	1															
1 / 77			.1	.2	.5	1.0	.5	.5	.2	.2	.1							31	31	7															
7 / 77			.1	1.2	.5	.6	.2	.1										24	24	103															
5 / 75			.7	.5	.4	.1				.1								15	15	239															
4 / 73		.2	.2	1.2	.1	.1												16	15	203															
1 / 71		.6	.1	.1														7	7	108															
1 / 69																				83															
1 / 67			.4	.1																174															
6 / 65			.1															4	4	15															
4 / 63																		1	1	27															
1 / 61																				9															
1 / 59																				1															
1 / 57																				2															
5 / 55																				10															
1 / 53																				13															
2 / 51																				13															
5 / 49																				2															
1 / 47																				5															
4 / 45																				2															
4 / 43																				1															

Element (X)	ΣX	ΣX^2	ΣX^3	ΣX^4	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

127807 WILL ROGERS IAP OK
 STATION STATION NAME

73-01

YEARS

AUG
 MONTH

PAGE 7

1278-1400
 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																				
TAC	.9	1.8	3.9	7.0	5.0	7.9	13.9	15.4	15.5	12.1	8.7	5.3	2.7	1.8	.7	.5			819	819	819																				
Element (X)	Z _{X'}	Z _X	X	X	No. Obs.	Mean No. of Hours with Temperature					Total																														
Rel. Hum.	1.96534	36884	47.5	13.574	819	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																														
Dry Bulb	556.451	73.89	89.2	6.83	819			92.9	91.6	83.9	30.3	93																													
Wet Bulb	44.321	60.35	73.3	3.333	819			58.5	62.8	3		93																													
Dew Point	3553.24	53764	65.7	5.068	819			48.5	3.1			93																													

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

FEDERAL BUREAU OF SURVEY
 NATIONAL CENTER FOR ENVIRONMENTAL SCIENCE
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: WILL ROGERS IAP OK STATION NAME: 73-01 YEARS: _____ MONTH: AUG
 PAGE 1 1500-1700 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	C	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74.0																	.2	2	2																
73.5																	.4	3	3																
71.3															.4	.1		4	4																
71.1												.2	.9	1.2	2.7	.4	.1	39	39																
70.9												.5	1.2	3.1	.4	.4	.1	47	47																
70.97											.1	1.3	2.3	1.7	.1	.2	.1	50	50																
70.5								.1	.1	.9	2.5	4.7	1.3	.1	.4	.4		86	86																
70.5									1.2	3.4	4.5	1.8	.6	.4	.2			101	101																
70.5									1.1	4.3	6.1	1.8	1.2	.2	.1	.2		124	124																
70.87								1.0	2.0	4.2	1.7	1.9	.6			.1		93	93																
70.87							.1	1.2	2.5	1.7	.9	1.7	.2					52	52																
70.65						.1	1.0	1.1	1.3	.9	.7	.7						43	43																
70.5						.2	1.5	.7	1.3	.9	.6	.5						47	47																
70.4						.7	.5	1.1	.6	.2	.2	.2	.1					31	31	1															
70.79			.1	.2		.7	.6	.2	.5	.1		.1						22	22	7															
70.77				.1	.2	.7	.2	.6										21	22	54	1														
70.75			.4	.7	.6	.2												10	15	231	1														
70.72			.4	.2	.1	.1	.1											6	8	232	15														
70.71		.4	.2	.2														7	7	95	45														
70.59			.2	.1														3	3	91	121														
70.67		.1	.1															2	2	47	149														
67.65																				32	132														
67.65																				12	100														
67.51																				2	79														
67.57																				2	67														
67.55																					37														
67.53																					25														
67.51																					11														
67.5																					17														
67.47																					9														
67.45																					3														
67.43																					4														
67.41																					1														
67.41																					3														

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72153 STATION WILL ROGERS IAP OK STATION NAME 73-51 YEARS MONTH 403
 PAGE 1 1500-1700 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
81.6			1.6	2.5	3.3	4.3	5.1	9.4	13.7	14.6	13.5	11.4	6.3	6.6	3.2	1.6	1.																	81.7	81.6
																																516.		516.	

Element (X)	ΣX^2	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.	1721579	35775	43.9	13.630	816							
Dry Bulb	6715529	73851	90.4	6.995	817			93.0	91.6	85.4	37.8	93
Wet Bulb	434553	59485	72.9	3.355	814			57.5	61.5	.1		93
Dew Point	337412	52464	64.3	5.459	816			36.0	1.9			93

USAETAC FORM NO. 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 METEOROLOGICAL WEATHER SERVICE/MD

PSYCHROMETRIC SUMMARY

STATION **WILL ROBERS IAP OK** STATION NAME

73-51

YEARS

ALL MONTH

PAGE 1

ALL HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. - W.B.	TOTAL Dry Bulb	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			
73	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	6559	4589	4554	4759			
74																																							
75																																							
76																																							

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

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	1-32 F	33-67 F	68-73 F	74-80 F		81-93 F
Rel. Hum.	27295176	45167	61.818	5.75	6559						744	
Dry Bulb	4236377	52636	8.3	9.192	6559			716.8	574.5	361.9	34.7	744
Wet Bulb	3216411	458467	69.9	4.257	6559			558.5	229.7	1.0		744
Dew Point	27489169	423357	64.5	4.988	6559			336.6	11.3	.1		744

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

PSYCHROMETRIC SUMMARY

STATION: WILL ROGERS IAP OK STATION NAME: 73-61 YEARS: _____
 MONTH: SEP PAGE: 1 HOURS: 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
73							.1	.3										3	3																
74							.3	.3										4	4																
75			.1				.1	.3										9	9																
76			.8	.3			.4	.3										10	15																
77			.3	.6	.8	1.1	.1											25	26	4	1														
78		.3	1.7	2.7	2.3	.6												59	56	8	5														
79	.1	3.3	7.1	1.5	1.1	.1												109	106	20	9														
80		2.7	3.4	1.8	.3				.1									104	104	75	32														
81		3.2	3.4	1.7	.4			.1	.1									72	72	115	77														
82		3.5	3.4	1.1	1.1	.1	.1											56	65	171	101														
83		3.6	1.7	1.8	.5	.1	.1											62	62	44	101														
84		1.5	2.2	1.5	.4	.1	.3											51	51	44	68														
85		1.7	2.2	.3	.4	.1												44	44	36	71														
86	.1	1.4	.4	1.1	.4													33	30	75	42														
87		1.7	.4	1.5	.7													32	32	32	50														
88		2.5	1.9	1.2														40	40	27	41														
89		.9	1.4	.6														24	24	47	39														
90		.7	1.1															15	15	32	20														
91		1.4	.3															17	17	26	27														
92		.5	.4															7	7	22	37														
93			.1															1	1	9	30														
94			.1															1	1	3	21														
95																				1	9														
96																					4														
97																					1														
98	.3	.5	3.0	1.7	4.7	3.1	1.4	.5	.3											756	756	756													
TOTAL																		756		756															

Element (X)	$\Sigma x'$	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.	51175.6	6254.4	67.0	10.662	736							
Dry Bulb	33739.1	5112.2	65.2	7.898	736			45.3	13.2	1.3		90
Wet Bulb	2982.7	485.6	61.1	7.48	736			25.5	1.4			90
Dew Point	2745.5	459.8	56.5	8.266	736			14.2	.7			90

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

GLOBAL CLIMATOLOGY BRANCH
 CLAFETAC
 ALL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12-57 WILL ROGERS IAP OK 73-01 SEP MONTH
 STATION STATION NAME YEARS
 PAGE 1270-1400
 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																																																																																						
73.1																							797	797	797																																																																																			
<table border="1"> <thead> <tr> <th>Element (X)</th> <th>$\Sigma X'$</th> <th>ΣX</th> <th>\bar{X}</th> <th>s^2</th> <th>No. Obs.</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>≤ 0 F</th> <th>≤ 32 F</th> <th>≤ 67 F</th> <th>≤ 73 F</th> <th>≤ 80 F</th> <th>≤ 93 F</th> <th></th> </tr> </thead> <tbody> <tr> <td>Rel. Hum.</td> <td>2322-73</td> <td>41079</td> <td>51.516</td> <td>0.71</td> <td>797</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>5276324</td> <td>64372</td> <td>80.8</td> <td>9.844</td> <td>797</td> <td></td> <td></td> <td>51.2</td> <td>70.7</td> <td>54.5</td> <td>9.5</td> <td>93</td> </tr> <tr> <td>Wet Bulb</td> <td>3535415</td> <td>53013</td> <td>67.5</td> <td>6.952</td> <td>797</td> <td></td> <td></td> <td>57.6</td> <td>27.7</td> <td>.1</td> <td></td> <td>93</td> </tr> <tr> <td>Dew Point</td> <td>2933251</td> <td>47667</td> <td>60.1</td> <td>8.711</td> <td>797</td> <td>.1</td> <td>24.4</td> <td>1.5</td> <td></td> <td></td> <td></td> <td>93</td> </tr> </tbody> </table>																																Element (X)	$\Sigma X'$	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.	2322-73	41079	51.516	0.71	797								Dry Bulb	5276324	64372	80.8	9.844	797			51.2	70.7	54.5	9.5	93	Wet Bulb	3535415	53013	67.5	6.952	797			57.6	27.7	.1		93	Dew Point	2933251	47667	60.1	8.711	797	.1	24.4	1.5				93
Element (X)	$\Sigma X'$	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.	2322-73	41079	51.516	0.71	797																																																																																																							
Dry Bulb	5276324	64372	80.8	9.844	797			51.2	70.7	54.5	9.5	93																																																																																																
Wet Bulb	3535415	53013	67.5	6.952	797			57.6	27.7	.1		93																																																																																																
Dew Point	2933251	47667	60.1	8.711	797	.1	24.4	1.5				93																																																																																																

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

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS TAP OK STATION NAME

73-01

YEARS

SEP
MONTH

PAGE 1 1570-1725
HOURS LOCAL S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
77/81																.3	.3					3		7													
77/79																.1	.3	.5	.4						11	11											
77/77																.5	.4	.5	.5	.4						20	20										
77/75																.5	1.1	1.9								20	28										
77/73													.4	.4	1.1	1.1	1.3	1.1	.1							44	44										
77/71										.5	.8	2.4	2.7	.5	.1	.1										56	56										
77/69							.1	1.4	2.7	1.3	1.5	1.0	.3	.1												7	77										
77/67							.1	.3	2.4	1.1	1.1	1.1	1.3	.1												62	62										
77/65							1.0	1.1	3.2	1.6	2.3	.5	.1		.1											51	51										
77/63							1.9	1.2	2.4	1.3	1.4	.6	.1													73	73										
77/61						.4	1.3	1.5	.5	1.0	1.1	.4	.4													51	51										
77/59			.1			.4	.8	.1	.1	.4	1.6	.5	.5													37	57										
77/57			.4	.4	1.1	.5	1.1	.6	.5	.9	.1															45	47	17									
77/55		.1	.4	1.1	1.4	.5	.5	.1	.9	.3																42	42	53									
77/53		.4	.4	.5	.6	.1	.1	.3	1.1	.5	.1	.1														34	34	172	6								
77/51		.4	.5	.3	.3	.4	.5	.5	.1																	24	24	179	17								
77/49		.5	.5	.6	.4	.3	.5	.8	.5	.3																30	30	93	49								
77/47		.6	.5	.1	.1	.6	.1	.9	.5																	25	25	89	65								
77/45		.6	.5	.5	.7	.4	.4	.6																		21	21	61	92								
77/43		.1	.4		.4		.1	.3																		10	10	45	63								
77/41			.6		.1	.1																				5	5	26	76								
77/39		.3	.5	.1																						9	9	37	67								
77/37		.3	.5																							8	8	35	71								
57/35		.4	.1																							4	4	27	36								
57/33		.4																								3	3	24	57								
57/31																													20	44							
57/29																														33							
57/27																														13							
57/25																														20							
47/43																														23							
47/41																														17							
47/39																														11							
47/37																														7							
47/35																														3							
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.		Mean No. of Hours with Temperature																														
Rel. Hum.					= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GENERAL CLIMATOLOGY BRANCH
USAFETAC
A WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

73-01
STATION WILL ROGERS IAP OK STATION NAME

YEARS

SEP
MONTH

PAGE 1500-1700
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																			
73.4			4.0	4.3	5.0	8.2	7.6	15.2	11.7	14.3	11.2	6.5	4.4	2.9	1.1																						792	792	792	

Element (X)	Σx^1	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.	230705	7815	45.015	179	792			52.8	73.9	58.6	12.0	90
Dry Bulb	5419317	6545	82.1	9.888	792			58.5	24.3			75
Wet Bulb	355544	4634	59.1	8.517	792			18.2	.9			53
Dew Point	282334											

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

FEDERAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS IAP OK 73-01 YEARS

SEP MONTH

PAGE 2 1970-1970
HOURS: 5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.	TOTAL W.B.	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																	
73	4.7	5.8	13.3	15.3	13.3	15.0	10.6	9.0	6.9	3.4	1.5	.1	.5															670	670	670				

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	450029	50273	75.3	9.169	807			72.5	58.8	31.3	1.7	93
Wet Bulb	343171	52115	65.1	6.731	807			45.2	4.5			93
Dew Point	252365	4769	59.8	8.200	807	.1	16.3		.5			93

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

FEDERAL CLIMATOLOGY BRANCH
 WETBULB TEMPERATURE DEPRESSION SERVICE/WMAC

PSYCHROMETRIC SUMMARY

STATION NO. 75-01
 STATION NAME

75-01

YEARS

MONTH

DATE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	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																																					
/ 4																																					
/ 5																																					
/ 6																																					
/ 7																																					
/ 8																																					
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/ 28																																					
/ 29																																					
/ 30																																					
/ 31																																					

Element (X)	Z ₁ '	Z ₂ '	Z ₃ '	Z ₄ '	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 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.) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF METEOROLOGY
 NATIONAL WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: WILCOX STATION IAP 04
 STATION NAME: WILCOX

73-01

YEARS

MONTH

PAGE: 1
 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		
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
79																																						
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95																																						
96																																						
97																																						
98																																						
99																																						
100																																						
TOTAL																																						
MEAN	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	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	

Element (X)	Σ x	Σ x²	x̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Dry Bulb	473429	63703	74.414907		617							93
Wet Bulb	415134	4784	57.9213		617		2.2	7.8				93
Dew Point	151223	7429	45.815935		617		11.5	1.5				93

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

FEDERAL BUREAU OF SURVEY
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS IAP OK
STATION NAME

75-91

YEARS

PAGE 1
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				
70				.1																								1	1						
71			.2	.1																								9	9						
72		.3	.4	.2																								12	12						
73		1.2	1.2	.6		.1																						27	27	18	4				
74		.5	.2	.6		.4	.1																					15	15	15	11				
75	.1	1.3	1.2	.7		.2	.1	.4																				35	35	19	19				
76		3.1	1.6	.8		.5	.5	.1																				53	53	15	23				
77	.2	2.7	1.1	1.1	.7	.5	.2	.2																				59	59	13	16				
78		3.2	1.7	1.7	.8	.2	.1	.4																				61	61	13	17				
79	.1	3.4	1.2	.8		1.1	.4																					62	62	14	17				
80	.1	1.2	2.7	.8		.5	.5	.1																				74	74	19	17				
81	.2	1.6	3.1	1.5	1.1	.2	.1																					69	69	14	13				
82		3.5	1.9	2.1	1.2	.5																						84	84	16	17				
83		.7	1.5	1.9	.1	.2																						38	38	16	15				
84		1.3	3.1	2.3	1.1	.1																						64	64	14	17				
85		.7	1.5	1.9	.1	.2																						38	38	16	15				
86		1.7	1.7	.8	.2																							35	35	15	15				
87		1.1	1.5	.5																								64	64	16	17				
88		1.2	.8	.5																								40	40	17	17				
89	.1	.4	1.3																									15	15	15	17				
90	.1	1.1	.7																									15	15	15	17				
91		.4	.7																									9	9	12	12				
92		.4	.7																									3	3	15	15				
93	.1	.2	.7																									3	3	15	15				
94		.5	.7																									2	2	16	16				
95																														2		9	9		
96																															2		2	2	
97																																	2	2	
TOTAL		1.13	1.73	.41	1.8	5.1	4.1	2.1	.7																			525	525	125	125				

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	447.7	62.51	75.81	4.173	825							
Dry Bulb	24713.3	445.23	54.1	9.122	825		9	7.2	1.1			93
Wet Bulb	21337.31	411.01	51.1	9.393	825		2.1	3.3				93
Dew Point	13465.6	38.42	46.11	6.700	825		10.7	1.7				93

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

FEDERAL BUREAU OF METEOROLOGY
 WASHINGTON, D.C. 20541

PSYCHROMETRIC SUMMARY

STATION: WILCOX, ALASKA
 STATION NAME: WILCOX

1951

YEARS

01

PERIOD: 1-1-51 TO 12-31-51
 MONTHS: JANUARY TO DECEMBER
 HOURS: 24

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	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
	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	0.0	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	

Element (X)	Σ X ²	Σ X	X̄	s ²	No. Obs.	Mean No. of Hours with Temperature					Total
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	
Rel. Hum.	311025	4708	54.3	319.702	87						
Dry Bulb	330050	5130	64.3	9.408	80			37.5	19.5	4.3	61
Wet Bulb	201445	4450	55.7	8.163	80			4.8	0.5		5
Dew Point	118941	3829	47.5	1.212	80		9.3	3.6			13

USAFETAC FORM 0263 (CLA) REVERSE METEOROLOGICAL SERVICE

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

PSYCHROMETRIC SUMMARY

STATION: WILL ROGERS IAP OK STATION NAME: 73-51

YEARS:

MONTH:

PAGE: 1 15 6-1750
 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													
1													.1	.1	.5	.1	.5			12	17														
2														.4	.2	.5	.1			12	17														
3														.5	.2		.1			17	17														
4														.6	.4					24	24														
5						.1		.4		.7		.6	.4	1.0	.1					33	37														
6						.2		.7		.9		.7	.4	1.2	.1	1.0				40	44														
7					.1	.4		.7		1.0		.7	.4	1.5	.5					46	45														
8					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	55	55														
9					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	56	56														
10					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	59														
11					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	58	57	12													
12					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	59	59	1													
13					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	59	59	1													
14					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
15					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
16					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
17					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
18					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
19					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
20					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
21					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
22					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
23					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
24					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
25					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
26					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
27					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
28					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
29					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
30					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												
31					.1	.4		1.0		1.3		.6	.5	1.2	.8	.7		.5	1.0	57	57	4	7												

USAFETAC FORM 0-26-5 (OL A) REVISED WITHOUT CHANGES OF THIS FORM ARE OBSOLETE

ANNALE CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: WILL ROGERS IAP OK
 STATION NAME

72-01

YEARS

MO
 MONTH

1950-1950
 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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100																																										
Σ X ²	13753.7																																35573	43.219.990	526	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F	Total
Rel. Hum.	4426466																																595.00	72.410.638	526			67.8	49.3	24.9	1.4	93
Dry Bulb	2345352																																48.00	56.17.840	826			13.1	1.5		93	
Wet Bulb	1675948																																381.06	46.111.959	826			13.1	2.5		93	
Dew Point																																										

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

U.S. AIR FORCE
 WET BULB TEMPERATURE DEPRESSION BRANCH
 METEOROLOGICAL SERVICE
 WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION WILL ROBERTS IAP AK STATION NAME

73-01

YEARS

MONTH

PAGE 1 OF 2
 1950-02-10
 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			
...		

Element (X)	$\sum x'$	$\sum x$	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	2,341.49	4680.9	55.219	5.30	828	0	0	5	17	3	0	25
Dry Bulb	3435.04	5270.9	63.79	5.52	828	0	1	5	2	3	0	11
Wet Bulb	2522.49	4518.9	54.58	2.79	828	0	1	5	2	3	0	11
Dew Point	1080.14	3626.5	46.211	6.28	828	0	1	2	0	0	0	3

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

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY SERVICE
 WASHINGTON, D. C. 20541

PSYCHROMETRIC SUMMARY

STATION: WILL HOOPER 149 34
 STATION NAME: WILL HOOPER 149 34

78-51

YEARS

DATE: ALL
 HOURS: ALL

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

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

CLIMATE DIVISION BRANCH
 METEOROLOGICAL SERVICE CANADA

PSYCHROMETRIC SUMMARY

STATION: **WILLIAMS BAY** STATION NAME: **WILLIAMS BAY**

70-01

YEARS

PERIOD: **1957-58**
 MONTHS: **12**
 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)	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 01-64 0 26 5 (01 A) BEST COPY AVAILABLE

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL WEATHER SERVICE
 WASHINGTON, D. C.

PSYCHROMETRIC SUMMARY

STATION WILLIAMS IAP AK STATION NAME

73-01

YEARS

NOV
 MONTH

792-1140
 HOURS

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	
79.2	2.2	2.1	1.5	1.7	6.1	3.7	1.0	3.0	1.5	.5	.3																							79.2	79.2

Element (X)	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.	3225171	12035	65.5	19.428	797							
Dry Bulb	244355	3923	44.6	11.246	791		6.3	5.2	1.			90
Wet Bulb	1821409	3477	44.1	10.114	797		11.5					90
Dew Point	12351.3	29647	37.5	12.461	797		33.9					90

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

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

PSYCHROMETRIC SUMMARY

STATION WILLIAMS WAREHOUSE 14P CA
 STATION NAME

75-51

YEARS

NO. MONTHS

PAGE 1 157-177
 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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No. Obs.																																					
Mean No. of Hours with Temperature																																					
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					
Total																																					

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

PSYCHROMETRIC SUMMARY

STATION: [Blank]
 STATE: [Blank]
 COUNTY: [Blank]

DATE: [Blank]
 YEAR: [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		
120																																						
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100																																						
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Element	X	Z	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Rel Hum																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0265 (OL A) 10-51 WEATHER RECORDS OF THE U.S. AIR FORCE

PSYCHROMETRIC SUMMARY

STATION NAME: [illegible] STATE: [illegible]

DATE: 7-31

YEARS: [illegible]

TIME: [illegible]

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

Element	X	Z	X	Z	No Obs	Mean No. of Hours with Temperature					Total	
Rel Hum	34.2	21.2	37.5	24.5	7	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	25.4	17.5	44.5	30.5	7							
Wet Bulb	15.1	12.4	44.5	30.5	7							
Dew Point	11.5	9.1	38.2	26.1	7							

USAFETAC FORM 0 26 5 (G.L.A) REV. 12-1963

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

78-111

YEARS

30

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB, WB	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				
Mean	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5	48.5	49.5		

Element	Σx	Σx^2	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum	1255.77	787.24	77.8	145.55	77	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	1761.45	1074.11	43.8	10.42	77		7.5	1.4				
Wet Bulb	1418.77	737.75	43.1	9.97	77		15.7					
Dew Point	115.557	79.27	38.7	2.14	77		34.3					

USAFETAC FORM 0-26-5 (Rev. 4-73)

USAF METEOROLOGY BRANCH
F. I. T. A. C.
AFHQ, AIR FORCE HEADQUARTERS

PSYCHROMETRIC SUMMARY

STATION WILL HOVER 149 04 STATION NAME

75-51

YEARS

DEC

MONTH

PAGE 1 810-001
HOURS 157

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																		
/			.2	.4																																				
/		.1	.2	.3																																				
/			.1	.2																																			7	
/			.2	.3																																				6
/			.1	.2																																			5	
/			.2	.3																																			4	
/		1.2	.1	.3																																			3	
/		.7	.1	.3																																			2	
/		1.2	.1	.3																																			1	
/		.7	.1	.3																																			0	
/		1.2	.1	.3																																			0	
/		.1	.3	.5	.7																																		0	
/		.3	1.2	.5	.7																																		0	
/		1.4	1.2	.5	.7																																		0	
/		.7	1.7	1.4	.7																																		0	
/		.7	1.4	1.7	.4																																		0	
/		3.7	1.5	1.1	.7																																		0	
/		5.1	2.2	1.1	.7																																		0	
/		.4	1.7	1.2	.1																																		0	
/		.4	2.7	2.5	.3																																		0	
/		.4	2.7	.3																																			0	
/		.7	3.4	1.7	.1																																		0	
/		.7	2.4	.9																																			0	
/		.7	2.2	.7																																			0	
/		.1	1.2	.4																																			0	
/		.1	1.7	.1																																			0	
/		.1	1.5	.7																																			0	
/		.1	1.1	.7																																			0	
/		.4	.3																																				0	
/		.4	.3																																				0	
/		.7	.1																																				0	
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/																																							0	

USAFETAC FORM 44 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATIONAL METEOROLOGICAL SERVICE
AERIAL METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION WILL CORRECTED STATION NAME

70-81

YEARS

OF

0435-0750

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point
101	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	112	101	112	101	112
100	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	112	101	112	101	112	
99	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	112	101	112	101	112		
98	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	112	101	112	101	112			
97	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	112	101	112	101	112				

Element (K)	Σ x'	Σ x	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	2184.5	4.34	67.2	16.745	812	0	32	67	73	80	93	812
Dry Bulb	11747.2	37.1	9.279		814	0	38.1					814
Wet Bulb	5811.1	33.1	9.264		912	0	42.9					912
Dew Point	5747.57	21.59	26.3	1.799	812	1.7	68.1					812

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

PSYCHROMETRIC SUMMARY

STATION: []
 LOCATION: []
 DATE: []

STATION: []
 STATION NAME: []

79-61

YEARS

DEC

- 4 -

ALL

HOURLY

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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	11	10	1.5				
/																																			12	12	10	2.0					
/																																						13	13	11	2.0		
/																																						14	14	12	2.0		
/																																						15	15	13	2.0		
/																																						16	16	14	2.0		
/																																							17	17	15	2.0	
/																																							18	18	16	2.0	
/																																							19	19	17	2.0	
/																																							20	20	18	2.0	
/																																							21	21	19	2.0	
/																																							22	22	20	2.0	
/																																							23	23	21	2.0	
/																																							24	24	22	2.0	
/																																							25	25	23	2.0	
/																																							26	26	24	2.0	
/																																							27	27	25	2.0	
/																																							28	28	26	2.0	
/																																							29	29	27	2.0	
/																																							30	30	28	2.0	
/																																							31	31	29	2.0	
/																																								6547	6547	6547	6547

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

Element (X)	ΣX^2	ΣX	\bar{X}	S_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	27347556	415596	63.52	1.133	6547							744
Dry Bulb	11241144	259452	39.62	1.182	6554		210.7	11.6	1.5			744
Wet Bulb	5539755	226493	34.71	1.114	6547		304.5					744
Dew Point	5539347	174818	26.71	1.992	6547	10.9	528.1					744

FEDERAL BUREAU OF SURVEY
 WASHINGTON, D. C.
 AIRCRAFT SERVICE/AMC

PSYCHROMETRIC SUMMARY

STATION: WILLOW GROVE IAP OK
 STATION NAME:

73-61

YEARS:

PERIOD: 1951-1952
 MONTHS: ALL MONTHS

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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																																					
73																																					
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100																																					
Element X1	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 (DLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

MO. BE.

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.	Dr. Bulb	Wet. Bulb	Dew Point			
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 0-28-5 (O.L.A.) REVISOR 6-60 (REV. 10-6-58)

FEDERAL BUREAU OF SURVEY
METEOROLOGICAL
OFFICE

MEANS AND STANDARD DEVIATIONS

MONTHLY MEAN TEMPERATURES DEGS F FROM HOURLY OBSERVATIONS

STATION WILLIAMS IAP OF

75-51

STATION	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10-1	MEAN	11.4	31.5	45.8	55.0	61.7	73.5	75.0	73.9	67.0	58.4	45.0	31.5	54.4
	TOTAL OBS	117	752	823	777	813	787	819	823	793	818	798	819	857
10-2	MEAN	11.1	31.0	45.7	52.6	59.6	65.5	73.0	71.7	65.1	54.3	43.4	34.3	52.1
	TOTAL OBS	110	742	817	750	810	794	810	810	755	810	797	810	871
10-3	MEAN	11.1	32.7	45.1	53.0	61.4	73.2	74.9	72.5	65.4	54.1	42.3	33.0	54.1
	TOTAL OBS	110	748	819	813	820	790	830	822	743	825	793	825	878
10-4	MEAN	11.8	31.1	45.1	52.7	59.2	70.4	75.1	72.8	64.7	54.1	41.6	31.7	54.7
	TOTAL OBS	110	749	823	772	811	790	822	823	797	819	791	819	854
10-5	MEAN	11.7	31.5	45.8	57.7	64.5	75.0	79.0	75.0	65.0	51.3	39.7	27.5	57.4
	TOTAL OBS	120	748	810	772	824	791	829	819	777	823	790	810	857
10-6	MEAN	11.2	31.5	45.8	59.5	65.9	75.0	82.4	75.4	62.1	52.4	39.5	24.5	55.0
	TOTAL OBS	111	751	821	779	810	795	821	817	792	820	793	824	854
10-7	MEAN	11.9	31.4	45.5	53.7	61.7	73.7	77.1	74.7	65.3	51.7	39.8	28.5	57.0
	TOTAL OBS	119	756	828	777	827	811	820	822	810	820	795	822	871
10-8	MEAN	11.0	31.0	45.9	55.1	64.0	73.5	79.0	77.2	67.4	55.0	43.4	37.1	57.7
	TOTAL OBS	110	747	824	771	821	787	822	815	795	813	792	814	854
10-9	MEAN	11.0	31.9	45.6	54.3	61.2	76.4	82.3	75.3	62.4	51.8	43.8	29.5	57.0
	TOTAL OBS	110	743	829	834	850	834	857	855	835	850	832	854	873

SAFETY FORM 0895 (OL A)

WILLOW BRANCH
STATION
WEATHER SERVICE/MAD

MEANS AND STANDARD DEVIATIONS

ALTITUDE TEMPERATURES IN ° F FROM HOURLY OBSERVATIONS

STATION NAME	YEAR											
	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
MEAN	66.4	72.2	71.5	70.2	68.0	69.3	68.7	67.5	62.0	61.2	61.4	72.4
STANDARD DEVIATION	1.355	1.961	1.434	1.492	1.354	1.451	1.388	1.372	1.192	1.296	1.159	1.545
STATION NAME	749	749	723	757	813	789	810	823	793	815	797	819
MEAN	66.4	71.2	70.1	68.6	68.7	69.0	67.7	65.5	61.1	60.3	60.4	61.0
STANDARD DEVIATION	1.627	1.962	1.511	1.431	1.369	1.275	1.243	1.543	1.491	1.213	1.371	1.514
STATION NAME	742	742	817	779	809	780	813	810	780	817	785	826
MEAN	66.4	70.3	70.7	69.2	68.1	68.9	68.7	67.5	61.5	60.7	60.7	70.1
STANDARD DEVIATION	1.627	1.536	1.560	1.210	1.470	1.136	1.213	1.525	1.505	1.291	1.541	1.310
STATION NAME	742	757	809	811	820	790	809	822	790	826	793	826
MEAN	66.4	74.7	74.3	74.1	81.5	69.5	72.9	71.7	65.7	65.2	64.1	70.1
STANDARD DEVIATION	1.627	1.471	1.564	1.434	1.745	1.245	2.755	1.545	1.159	1.163	1.114	1.574
STATION NAME	742	742	812	771	815	790	823	823	793	817	791	815
MEAN	66.4	70.5	70.5	68.5	68.5	71.5	74.1	73.3	67.5	65.1	67.4	69.3
STANDARD DEVIATION	1.341	1.916	1.171	1.199	1.490	1.999	2.695	1.333	1.551	1.489	1.469	1.440
STATION NAME	742	742	825	772	824	791	829	819	797	823	792	826
MEAN	66.4	70.2	70.3	68.5	68.0	71.5	74.0	72.9	67.5	65.1	67.7	70.1
STANDARD DEVIATION	1.627	1.535	1.719	1.813	1.371	1.815	2.591	1.335	1.551	1.494	1.459	1.510
STATION NAME	742	742	823	779	815	794	811	810	791	820	782	812
MEAN	66.4	70.1	70.5	74.5	62.3	69.9	72.1	71.0	65.1	64.5	64.0	70.1
STANDARD DEVIATION	1.627	1.135	1.724	1.124	1.055	1.607	2.547	1.381	1.731	1.279	1.707	1.511
STATION NAME	742	758	809	770	827	801	825	821	807	825	795	821
MEAN	66.4	70.5	70.2	72.1	69.5	67.4	69.9	65.7	63.1	62.2	62.1	62.1
STANDARD DEVIATION	1.627	1.532	1.951	1.601	1.373	1.491	3.056	1.407	1.353	1.644	1.472	1.374
STATION NAME	742	747	824	771	82	780	822	817	793	813	793	812
MEAN	66.4	74.9	70.5	72.0	68.5	68.5	71.1	69.9	64.3	62.7	63.4	64.7
STANDARD DEVIATION	1.627	1.675	1.755	1.120	1.352	1.582	3.785	1.425	1.511	1.941	1.391	1.114
STATION NAME	742	5997	809	833	654	6338	6575	6559	6349	6557	624	6547

WORLD CLIM TOLOGY BRANCH
 5114
 WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

WINDS AND WAVE HIGHS 12-14-64

75-61

STATION NAME

YEAR

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
MEAN	71.0	75.6	78.9	48.5	55.1	53.0	55.9	53.9	53.5	44.3	38.5	31.4	48.0
STANDARD DEVIATION	11.00	10.55	11.18	11.92	8.48	8.41	4.33	4.99	8.55	11.41	11.55	11.51	17.41
STATION NAME	618	749	623	7-7	613	784	815	523	793	818	797	819	647
MEAN	71.4	75.1	78.2	48.9	54.3	52.3	54.7	53.7	53.0	43.8	38.4	31.2	48.0
STANDARD DEVIATION	11.07	10.53	11.41	11.21	8.69	8.67	4.25	4.55	8.26	11.93	11.93	11.57	17.41
STATION NAME	618	742	617	774	609	785	81	618	785	817	785	815	657
MEAN	71.0	75.8	78.2	48.5	55.0	53.5	55.8	54.8	54.1	45.1	38.1	31.4	48.0
STANDARD DEVIATION	11.03	10.74	11.48	11.95	8.77	8.70	3.94	4.40	8.34	11.70	12.13	12.40	16.40
STATION NAME	625	757	629	8-1	626	796	829	624	797	825	793	815	677
MEAN	72.5	77.7	78.3	48.5	55.6	54.8	57.1	56.0	56.5	47.5	47.5	37.1	48.7
STANDARD DEVIATION	11.01	10.91	11.57	11.44	9.17	8.27	4.11	4.94	8.41	11.01	12.46	12.10	16.55
STATION NAME	61	748	642	7-1	610	786	825	623	795	817	793	815	675
MEAN	71.0	75.1	78.3	48.5	57.1	53.2	56.1	53.7	53.1	41.1	37.3	37.1	48.7
STANDARD DEVIATION	11.02	10.39	11.74	12.15	9.67	8.75	4.83	5.55	8.71	11.35	12.34	12.15	16.57
STATION NAME	619	745	628	7-6	624	784	829	619	797	825	797	815	657
MEAN	71.0	75.2	78.1	48.5	55.4	54.5	55.1	54.3	54.1	45.1	38.5	31.4	48.0
STANDARD DEVIATION	11.07	10.67	11.31	12.11	8.11	8.54	5.09	5.45	8.31	11.59	12.68	12.10	16.70
STATION NAME	61	751	61	7-9	615	794	821	614	794	825	794	815	659
MEAN	71.0	75.3	78.1	48.5	55.4	54.2	54.7	53.9	54.1	43.1	38.5	31.4	48.0
STANDARD DEVIATION	11.03	10.79	11.11	11.85	9.19	8.10	4.99	5.10	8.20	11.58	12.13	12.10	16.70
STATION NAME	619	758	627	7-6	627	801	825	611	795	825	795	815	678
MEAN	72.4	77.8	78.7	48.5	55.9	54.0	55.1	54.1	53.9	41.2	38.7	31.3	48.0
STANDARD DEVIATION	11.04	10.35	11.13	11.20	8.49	8.41	4.57	4.87	8.19	11.14	12.16	11.74	17.40
STATION NAME	624	747	624	7-6	620	786	822	617	795	815	79	817	657
MEAN	72.1	77.3	78.1	48.9	55.9	54.1	55.5	54.5	54.3	41.4	38.7	31.7	48.9
STANDARD DEVIATION	11.02	10.76	11.58	11.44	9.10	8.77	4.51	4.93	8.34	11.33	12.70	11.99	16.21
STATION NAME	624	797	629	633	654	633	675	657	634	657	624	657	77.83

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RELATIVE HUMIDITY

STATION _____

STATION NAME _____

PERIOD _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS OBS.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN							MEAN REL. HUM.	
		10%	20%	30%	40%	50%	60%	70%		80%
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%		
	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		
	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%
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												

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RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%		
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%		
TOTALS											

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS EL ST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80		
TOTALS											

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 ENVIRONMENTAL TECHNICAL
 APPLICATIONS CENTER

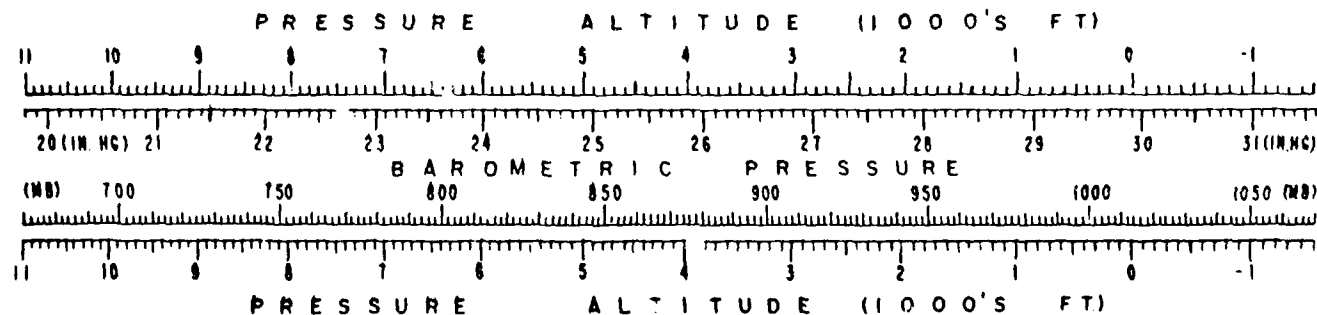
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
 Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
 METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



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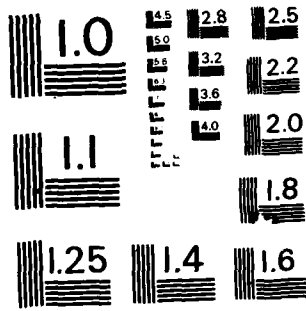
WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
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GENERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

2030 WILL ROGERS IAP OK

73-81

STATION	STATION NAME												YEARS
HRS EST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
2	MEAN	29.74	28.70	28.57	28.58	28.53	28.57	28.62	28.63	28.64	28.66	28.70	28.64
	S D	.233	.226	.225	.184	.159	.134	.075	.085	.144	.173	.203	.191
	TOTAL OBS	275	253	279	269	278	275	277	279	269	275	259	275
	MEAN	29.74	28.69	28.56	28.58	28.53	28.57	28.62	28.63	28.64	28.68	28.70	28.64
	S D	.233	.232	.219	.184	.159	.137	.076	.086	.139	.176	.201	.191
	TOTAL OBS	272	244	271	257	270	261	266	270	259	271	261	272
	MEAN	29.73	28.69	28.57	28.59	28.54	28.59	28.64	28.65	28.68	28.73	28.69	28.64
	S D	.239	.232	.227	.186	.162	.136	.075	.089	.141	.178	.206	.193
	TOTAL OBS	277	254	279	269	276	275	279	279	275	278	266	275
	MEAN	29.79	28.74	28.61	28.62	28.58	28.62	28.66	28.67	28.69	28.72	28.74	28.68
	S D	.241	.226	.23	.186	.163	.136	.077	.091	.141	.178	.210	.194
	TOTAL OBS	288	249	271	265	274	265	275	274	267	264	264	279
1	MEAN	29.77	28.73	28.59	28.61	28.56	28.61	28.65	28.66	28.70	28.72	28.71	28.66
	S D	.241	.231	.232	.188	.163	.136	.075	.088	.141	.181	.212	.196
	TOTAL OBS	279	252	279	266	276	269	277	276	265	279	267	279
	MEAN	29.71	28.67	28.54	28.58	28.53	28.57	28.61	28.62	28.65	28.67	28.67	28.62
	S D	.235	.226	.225	.185	.158	.133	.074	.086	.135	.177	.206	.185
	TOTAL OBS	272	248	268	264	272	264	274	274	264	276	257	271
	MEAN	29.72	28.67	28.53	28.54	28.49	28.53	28.57	28.59	28.61	28.64	28.67	28.61
	S D	.233	.221	.223	.181	.156	.135	.075	.089	.139	.174	.200	.191
	TOTAL OBS	276	253	279	265	277	269	279	275	270	278	266	278
	MEAN	29.74	28.70	28.56	28.58	28.53	28.56	28.61	28.62	28.64	28.68	28.70	28.64
	S D	.235	.219	.220	.178	.152	.129	.074	.086	.137	.171	.198	.188
	TOTAL OBS	274	251	276	266	272	263	273	274	266	275	265	273
ALL HOURS	MEAN	29.74	28.70	28.57	28.58	28.54	28.58	28.62	28.63	28.65	28.68	28.70	28.64
	S D	.237	.228	.226	.185	.160	.137	.080	.091	.142	.178	.205	.193
	TOTAL OBS	2129	2004	2201	2121	2199	2131	2197	2222	2133	2204	2115	2213

GENERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

213 WILL ROGERS IAP OK 73-81

STATION	STATION NAME	YEARS												ANNUAL	
HRS. OBS.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
		MEAN	21.41	19.61	14.21	14.21	12.21	13.11	14.61	15.01	15.71	17.51	18.91	19.7	1316.3
		S D	5.756	8.539	8.580	6.678	5.808	4.845	2.778	3.109	5.082	6.415	7.533	8.510	7.215
		TOTAL OBS	276	253	279	269	278	275	277	279	275	276	269	275	2273
		MEAN	15.11	19.11	13.81	13.81	11.71	12.81	14.31	14.71	15.51	17.21	18.51	19.1	1116.
		S D	5.881	8.738	8.163	6.768	5.824	5.006	2.813	3.123	5.169	6.598	7.546	8.661	7.311
		TOTAL OBS	273	245	273	258	275	265	269	271	260	272	262	275	2188
		MEAN	1021.21	1019.31	1014.31	1014.51	1012.51	1013.71	1015.11	1015.41	1016.11	1017.91	1019.01	1019.2	1016.5
		S D	5.914	8.673	8.280	6.736	5.879	4.929	2.764	3.233	5.177	6.563	7.695	9.175	7.273
		TOTAL OBS	273	254	279	269	278	273	279	279	275	275	266	275	2279
		MEAN	22.81	20.61	15.41	15.61	13.41	14.61	15.91	16.21	17.21	19.11	20.21	20.5	1017.6
		S D	7.032	8.672	8.517	6.829	6.008	5.007	2.632	3.274	5.252	6.609	7.778	9.095	7.407
		TOTAL OBS	265	251	275	264	274	268	272	275	263	275	263	275	2214
		MEAN	22.31	20.51	15.01	15.01	13.01	14.11	15.41	15.91	16.71	18.41	19.61	20.0	1017.1
		S D	8.987	8.613	8.522	6.812	5.881	4.922	2.819	3.250	5.189	6.677	7.825	9.014	7.397
		TOTAL OBS	276	252	279	266	278	269	278	276	268	279	267	279	2267
		MEAN	1020.11	1015.31	1013.01	1013.31	1011.61	1012.71	1013.91	1014.01	1014.71	1016.41	1017.51	1018.1	1015.3
		S D	8.876	8.500	8.304	6.758	5.804	4.891	2.771	3.175	5.157	6.591	7.696	8.656	7.191
		TOTAL OBS	274	250	271	267	274	263	274	274	265	277	260	273	2220
		MEAN	120.81	18.41	12.81	12.91	10.71	11.61	12.91	13.01	14.51	16.51	16.11	19.0	1015.1
		S D	8.701	8.334	8.261	6.531	5.556	4.855	2.771	3.243	5.131	6.401	7.385	8.222	7.264
		TOTAL OBS	276	253	279	266	277	269	279	276	275	278	267	276	2268
		MEAN	1021.41	1019.51	1014.01	1014.11	1011.71	1012.41	1013.81	1014.31	1015.61	1017.41	1018.91	1019.9	1016.1
		S D	6.846	8.239	8.158	6.531	5.583	4.682	2.752	3.238	5.136	6.368	7.404	8.156	7.225
		TOTAL OBS	275	252	276	263	273	261	274	276	263	275	265	272	2235
ALL HOURS		MEAN	1021.31	1019.41	1014.11	1014.21	1012.11	1013.11	1014.51	1014.81	1015.81	1017.51	1018.91	1019.4	1016.2
		S D	6.893	8.562	8.315	6.753	5.839	4.967	2.925	3.345	5.224	6.574	7.634	8.647	7.327
		TOTAL OBS	2197	2010	2211	2122	2202	2130	2202	2206	2129	2207	2119	2208	25945

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