

AD-A128 107

TORREJON AB SPAIN REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 18 OCT 82

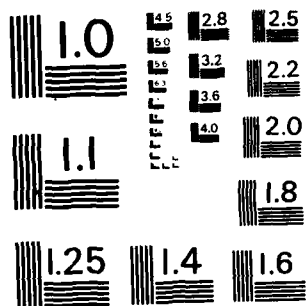
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USAFETAC/DS-82/058 S81-AD-E850 358

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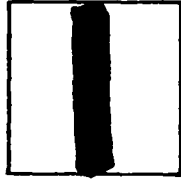


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18 Oct. 82

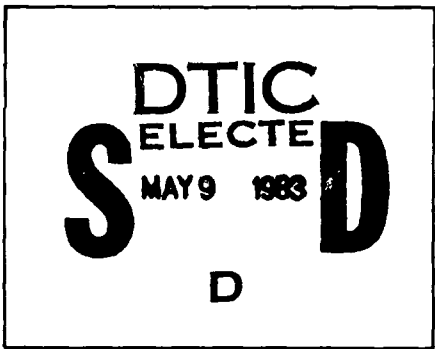
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DS 82/054

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USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

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FL 411  
SCOTT AFB, IL 62225

TORREJON AB SP HSO #082270  
N 40 29 W 003 27 FLD ELEV 1994 FT LETG

25 OCT 1982

PARTS A-F  
FOR FROM HOURLY OBS: JAN 73 - DEC 81  
FOR FROM DAILY OBS: OCT 57 - DEC 81  
TIME CONVERSION GMT TO LST: +1

OCT 18 1982

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*Wayne E. McCollom*

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

FOR THE COMMANDER

*Walter S. Burgmann*

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

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ADE 850 356

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 82/056	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- <b>TORREJON AB, SP</b>		5. TYPE OF REPORT & PERIOD COVERED Final rept.
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12. REPORT DATE 18 Oct 82
		13. NUMBER OF PAGES 400
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		
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 <b>TORREJON AB, SP</b> 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)		

141 800

DD FORM 1 JAN 73 1473

SP 082270

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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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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

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

### DAILY OBSERVATIONS

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

### DESCRIPTION OF SUMMARIES

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 DATA NOT AVAILABLE

#### 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 DATA NOT AVAILABLE

### 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	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. FT	CALL SIGN	WMO NUMBER
082270	TORREJON AB SPAIN/MADRID	N 40 29	W 003 27	1994	LETO	08227

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Torrejon AB Spain	AB	Oct 57	Mar 62	N 40 30	W 003 28	2001	2056	24
2	Same	AB	Mar 62	Dec 70	N 40 29	W 003 27	2004	2000	24
3	Same	Same	Jan. 71	Feb 78	Same	Same	1994	Same	24
4	Same	Same	Mar 78	Aug 82	Same	Same	same	Same	Same

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Oct 57	Located on top of control tower.	AN/GMO-11	RO-2	N/A	
2	Jun 58	Located at approach zone rnwy 23, 500 ft W of rnwy.	Same	Same	13 ft	
3	Mar 59	Located 500 ft from centerline, 1000 ft in from end of rnwy 23/05.	Same	Same	Same	
4	Mar 60	Located 500 ft from centerline, 1500 ft from end of rnwy 23.	Same	Same	11 ft	
5	Jun 61	Located N of Base Operations across the rnwy complex.	Same	Same	13 ft	
6	Mar 62	Located 715 ft from centerline, 1810 ft from approach end ILS rnwy.	Same	Same	Same	
7	Mar 65	Located 1775 ft SW and 695 ft NW of and of rnwy 23.	T420/GMO-11	RO-2	13 ft	

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
8	Oct 70	Located 600 ft NW of centerline, 2700 ft from end of rwy 23.	GMQ-20	Same	Same	
9	Feb 78	Same	Same	Same	Same	
10	Aug 82	Same	Same	Same	Same	

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse .



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

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

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

**WEATHER CONDITIONS**

27 APR 73 TULSA, OKLA. SP 73-81 041 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH REDUCED TO VISION	TOTAL NO. OF OBS.
JAN	2-11		7.9		.4		8.3	12.3	6.5			19.2	636
	12-31		7.7		1.1		8.7	13.5	6.2			19.7	636
	1-11		6.8		1.3		7.4	16.7	6.1			23.6	637
	12-31		5.7		.6		6.3	20.0	7.3			27.6	637
	1-11		5.3		.7		6.0	13.6	8.0			21.6	637
	12-17		5.0		.6		5.6	8.1	5.0			13.1	637
	1-23		5.5		.7		6.2	7.4	6.2			19.7	637
	1-23		7.8		.6		8.2	9.6	7.2			17.0	637
TOTALS			6.9		.5		7.6	12.7	6.9			19.7	6694

NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20541  
 METEOROLOGICAL SERVICE/4400

**WEATHER CONDITIONS**

STATION NO. 1000 STATION NAME TOPPEL, JUN AB SP YEAR 73-81 PERIOD 5-1

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

PERIOD	THUNDER STORMS	RAIN AND OR DRIZZLE	FREELZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	BLIZZARD AND OR SAND STORMS	TOTAL OBS
5-10	.1	8.7				8.7	8.5	1.8			700
3-10		1.1				1.1	0.4	1.3			700
6-7		1.6		.1		1.7	11.5	1.4			700
11-11		1.9		.1		2.0	15.4	5.4			700
12-14		8.5		.3		8.8	8.4	4.7		11.2	700
15-17		8.1		.3	.1	8.5	2.4	3.1			700
18-20		7.3		.1		7.4	2.2	2.1		4.3	700
1-23	.1	7.7				7.8	3.3	1.8		4.1	700
TOTALS	.2	8.9		.1		9.2	7.2	2.0		8.2	6795

FEDERAL CLIMATOLOGY BRANCH  
 AFSTAC  
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

21 TORREJON AB SP 73-81 STATION NAME YEARS MAP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

PERIOD	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
0-72		7.9				7.9	1.7				1.2	937
3-75		6.9		.1		7.1	2.5	.4			2.9	936
6-78		6.9		.1		7.0	7.6	3.0			17.6	937
7-11		4.4				4.4	9.9	8.0			17.9	937
12-14	.2	4.6			.1	4.9	2.9	3.7			5.9	937
15-17	.8	5.3				5.3	.5	1.0			1.4	937
18-2	1.0	7.9		.2		8.1	.4	.1			.5	937
3-23		7.4				7.4	.1	.6			.7	937
TOTALS	.3	6.4		.1	.1	6.5	3.1	2.2			5.1	6695

FEDERAL CLIMATOLOGY BRANCH  
 WETAC  
 WEATHER SERVICE/740

# WEATHER CONDITIONS

STATION: 2771 TORREJON, AFB SP STATION NAME: 73-21 YEARS: MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBSERVED	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 OF SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	0-2		8.9				8.9	0.7	0.3			0.7	727
	3-5	0.1	7.8				7.8	1.8	1.2			0.7	728
	6-8		6.4				6.4	5.6	5.5			11.2	797
	9-11		6.5				6.5	5.4	5.4			10.9	810
	12-14	0.4	7.2				7.2	0.9	1.4			2.2	810
	15-17	1.5	6.9			0.1	9.1						810
	18-20	1.2	8.5		0.1		9.6	0.1	0.1			0.2	810
	21-23	0.4	10.0				10.0	0.1	0.2			0.4	810
TOTALS		0.5	7.2				8.2	1.8	1.8			7.0	6332

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

C 270 STATION TORREJON AB SP STATION NAME 73-81 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	0-31	.2	4.5				4.5		.4			.4	936
	03-05	.6	3.9				3.9	.4	.5			.8	837
	06-08	.1	4.1				4.1	5.6	4.3			9.9	837
	09-11	.1	6.0				6.0	3.3	5.3			8.6	837
	12-14	.5	6.9				6.9	.7	.6			1.3	837
	15-17	2.3	6.1				6.1	.2	.1			.4	837
	18-20	1.1	6.3				6.3						837
	21-23	.4	6.5				6.5		.5			.5	836
TOTALS		.7	5.5				5.5	1.3	1.5			2.7	6694

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

0 277 TORREJON AB SP 73-81 JUN  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (1ST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	0-22	1.2	3.1				3.1	.1				.1	610
	23-25	.7	2.3				2.3	.6	.1			.7	310
	6-25	.4	2.6				2.6	3.6	2.6			6.2	610
	9-11	.2	2.5				2.5	2.3	2.0			4.3	610
	12-14	1.0	3.5				3.5	.5	.1			.6	610
	15-17	4.3	5.6				5.6						610
	18-20	4.7	4.9			.1	5.1		.1			.1	610
	21-23	2.8	3.8				3.8				.1	.1	610
TOTALS		1.9	3.5				3.6	.9	.6		.0	1.5	6480

SIGNAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

27  
 STATION

TOPREJON AB CP  
 STATION NAME

73-81

YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	0-23	1.0	1.8				1.0	.1				.1	637
	03-05	1.2	1.0				1.0						637
	06-08	.8	.7				.7	.2	.5			1.1	637
	09-11	.8	.6			.1	.7		.6			.5	637
	12-14	.5	.7				.7						637
	15-17	.7	1.7				1.0				.1	.1	637
	18-20	1.4	1.9				1.9						637
	21-23	2.5	2.5				2.5						637
TOTALS		1.1	1.3			.1	1.3	.3	.2		.0	.2	6696



GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

0-27 STATION TORREJON AB SP 73-81 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	0-23	1.6	1.3				1.5		.6			.5	837
	03-25	.2	.5				.5		.7			.7	836
	06-28	.6	1.7			.1	1.8	.7	1.8			2.5	837
	09-11		1.2				1.2	.5	1.9			2.4	837
	12-14	1.0	.8				.8		.7			.7	836
	15-17	1.7	1.3				1.3		.7			.7	837
	18-20	1.6	1.9				1.9		.5			.5	837
	21-23	1.9	2.5				2.5		.4			.4	837
TOTALS		1.1	1.4				1.4	.2	.9			1.1	6694

GENERAL CLIMATOLOGY BRANCH  
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**WEATHER CONDITIONS**

D 270 STATION TORREJON AFB SP STATION NAME 73-81 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	30-22	.6	1.1				1.1	.1	.2			.4	629
	23-05	.2	1.5				1.5	.4	.4			.7	609
	6-18	.1	3.2				3.2	1.2	1.2			2.5	617
	19-11	.1	3.2				3.2	1.5	1.6			3.1	611
	12-14		1.6				1.6	.2	.5			.7	612
	15-17	1.2	2.3				2.3						610
	18-20	1.0	1.4				1.4		.1			.1	612
	21-23	.7	1.4				1.4		.4			.4	612
TOTALS		.5	2.7				2.2	.4	.5			1.0	6478

FEDERAL CLIMATOLOGY BRANCH  
 AF TAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

D 217 STATION FORREUN AB SP STATION NAME 73-81 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
01	20-31		3.5				3.5		1.2			1.2	837
	02-05		4.1				4.1	0.4	0.2			0.3	837
	06-08	0.1	5.3				5.3	3.0	1.7			4.7	837
	09-11		5.4				5.4	3.6	2.1			5.7	837
	12-14		6.2				6.2	0.5	1.9			2.4	837
	15-17	0.5	4.5				4.5		0.1			0.2	837
	18-20	0.1	4.5				4.5	0.1	0.4			0.2	837
	21-23		4.1				4.1						837
TOTALS		0.1	4.7				4.7	1.0	1.3			2.3	6696

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

0 210 TORREJON AB SP 73-81 NOV  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (EST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	0-2		4.7				4.7	8.1	2.5			17.3	910
	3-20		4.9				4.9	9.3	2.7			12.2	909
	6-23		5.6				5.6	11.4	3.8			15.2	910
	9-11		5.3				5.3	16.0	9.1			25.2	910
	12-14		5.1				5.1	7.9	7.4			17.3	910
	15-17	.1	5.3				5.3	3.8	4.3			4.1	910
	18-20	.1	5.6				5.6	4.7	4.7			9.4	910
	1-23		4.6		.1		4.6	6.0	4.2			10.4	909
TOTALS		.0	5.2		.0		5.2	8.4	4.8			13.3	6478

LOCAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION: TOPELON A-SP STATION NAME: 73-81 YEARS: \_\_\_\_\_ DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LIST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	0-16		1.6		.7		11.1	10.6	1.9			12.4	137
	17-24		9.3		.7		9.9	12.2	1.9			14.1	837
	25-31		4.4		1.0		10.4	10.6	2.6			13.3	337
	1-11		10.2		.6		10.6	15.8	5.3			21.0	437
	12-14		11.2		.2		10.2	11.8	5.7			16.8	837
	15-17		9.7		.6		10.2	6.6	4.1			10.8	837
	18-21		9.7		.6		9.6	6.9	2.2			9.1	837
	22-31		9.7		.4		9.7	9.4	2.2			11.5	937
TOTALS			9.7		.6		10.2	10.4	3.1			13.0	6696

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

STATION: 1 27 TORREJON AB SP STATION NAME: 73-61 YEARS: ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN.	ALL		3.9		.8		7.6	12.7	6.5			19.0	6674
FEB.		.0	3.9		.1	.1	9.0	7.2	2.6			9.8	6795
MAR.		.3	0.4		.1	.	6.5	3.1	2.0			5.1	6695
APR.		.5	3.2		.0	.3	6.2	1.8	1.8			3.6	6732
MAY		.7	3.5				5.5	1.3	1.5			3.7	6694
JUN.		1.9	3.5			.1	3.8	.9	.6		.2	1.3	6487
JUL.		1.1	1.3			.1	1.3	.7	.2		.2	.2	6696
AUG.		1.1	1.4			.3	1.4	.8	.8			1.1	6694
SEP.		.5	2.2				2.0	.4	.5			1.0	6478
OCT.		.1	4.7				4.7	1.0	1.3			2.3	6646
NOV.		.3	1.2		.3		5.2	8.4	4.8			13.3	6478
DEC.			9.7		.6		10.2	10.4	3.1			13.3	6696
TOTALS		.5	5.3		.1	.2	5.4	4.0	2.2		.0	6.1	78728

## 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.

# WEATHER CONDITIONS

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_

CONTACT THE AGENCY WITH WHICH YOU ARE ASSOCIATED FOR A MORE  
 COMPLETELY DETAILED REPORT

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	111.6	.3	1.1	.7	4.4	.3	1.0	1.0	.1	.1			111.6
FEB	109.5	.2	1.1	.2	4.3	.6	1.0	1.0	.1	.1			109.5
MAR	108.4	.2	.1	.1	.1	.7	1.0	1.0	.1	.1			108.4
APR	107.4	.4	1.0	.1	.1	.1	1.0	1.0	.1	.1			107.4
MAY	106.3	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			106.3
JUN	105.2	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			105.2
JUL	104.1	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			104.1
AUG	103.0	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			103.0
SEPT	101.9	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			101.9
OCT	100.8	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			100.8
NOV	99.7	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			99.7
DEC	98.6	1.0	1.0	.1	.1	.4	1.0	1.0	.1	.1			98.6
TOTALS		.2	1.4	.7	1.0	.5	1.0	1.0	.1	.1			1000



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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

2

AL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE DIVISION

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION DR. J. A. S. P. STATION NAME 57-8 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			3.1	6.1	8.7	10.4	3.2	2.1	.1					29.2	741	1.85	5.10	0.0
FEB			4.7	5.1	8.0	9.5	5.9	1.2	.1					31.5	677	1.93	4.14	TRACE
MAR			7.8	6.5	3.1	9.1	3.6	1.2	.4					27.4	736	1.46	3.53	TRACE
APR			7.1	4.6	4.9	6.3	7.1	.4						23.4	710	1.73	3.75	0.0
MAY			11.4	3.7	6.9	4.6	6.3	4.3	1.0	.4				27.4	740	1.39	4.76	TRACE
JUN			1.9	1.3	6.3	4.7	5.9	2.6	1.4	.1				20.7	717	1.13	3.22	0.0
JUL			6.3	.7	1.5	1.8	2.4	.9	.3	.3				7.7	744	.46	1.31	0.0
AUG			5.5	.3	2.4	1.5	2.1	1.1	.3	.1				8.2	744	.47	2.73	0.0
SEP			7.1	1.4	5.3	2.5	4.4	3.2	1.3	.9				15.6	720	1.26	4.77	TRACE
OCT			6.4	5.1	1.4	5.6	4.5	5.8	4.6	2.4	.7			25.2	763	1.97	6.21	0.0
NOV			7.7	7.9	2.3	6.0	4.7	6.0	4.9	2.6	.8			27.2	738	2.11	6.37	TRACE
DEC			5.4	11.1	3.1	7.2	4.1	7.3	4.6	2.2	.5			29.1	769	1.93	5.56	TRACE
ANNUAL			6.4	9.5	2.3	5.7	3.8	6.2	3.8	1.7	.4			24.0	8804	1.75		

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 GEOMETRIC  
 AND WEATHER SERVICE/MAAC

## EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

190377 TORREJUN AH SP  
 STATION NAME

17-81

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
57										*	.00*	TRACE	TRACE	
58		TRACE	TRACE	TRACE	.71	TRACE	.70	TRACE	.07	.42	.00	.12	1.01	1.01
59			.24	.33	.46	1.25	1.20	.17	.36	.32	.75	.59	.81	1.03
60		1.00	.66	.77	.16	.93	.27	.04	.46	.21	1.32	.91	.51	1.50
61		.49	.27	.23	.45	.29	.35	.32	.60	.63	.67	1.34	.57	1.79
62		.75	.71	.42	.76	.66	.34	.75	.20	1.25	.46	1.25	.47	1.78
63		.53	.53	.16	.57	.55	.61	1.27	TRACE	1.23	.80	1.22	1.33	1.27
64		.73	1.00	.43	.74	.14	.56	.25	.14	.27	.15	.87	.55	1.22
65		.45	.44	.94	.10	.29	.32	.22	.22	1.25	1.56	1.97	.76	1.77
66		.45	.64	.78	.41	.68	.74	.12	TRACE	.48	.64	1.19	.76	1.16
67		.31	.66	.41	.35*	.83	.29	TRACE	.23	.57	.74	.62	.74	.48
68		.35	.52	1.01	1.25	.26	.24	.25	.91	.21	.13	.66	1.45	1.25
69		.21	.96	1.56	1.21	.77	.32	.16	.14	.89	.43	.65	.70	1.56
70		.79	.13	.27	.15	.12	.25	.66	.13	TRACE	.56	.46	.12	.79
71		.65	.53	.57	.59	.66	.72	.65	.70	.23	1.29	.79	1.03	1.29
72		.45	.95	1.31	.11	.21	.17	.29	.24	1.37	.95	2.26	.74	1.26
73		.53	.54	.32	.24	1.26	.84	1.63	.43	TRACE	.42	.97	.64	1.63
74		.44	.41	.76	.53	.34	.24	.23	.10	TRACE	.21	.61	.27	.75
75		.65	1.16	.24	.98	.90	.39	.00	.57	.36	TRACE	.29	.75	1.22
76		.24	.85	.21	.53	.55	.66	.37	.83	1.25	.54	.29	1.03	1.05
77		.59	.75	.24	.45	.74	.77	.27	1.16	.72	1.55	.49	.62	1.50
78		.43	.61	.51	.44	.47	1.08	.20	.23	.32	.45	.37	.42	1.05
79		.93	.89	.33	.61	.24*	.10	.19	.25	1.65	.49	.22*	.72	1.62
80		.23	.54	.83	.32	1.65	.34	TRACE	.16	.12	.67	.87	.75	1.05
81		.10	.72	.37	.65	.47	.17	.37	.21	.24	.72	.35	1.11	1.11
MEAN		.47	.58	.52	.51	.56	.50	.29	.30	.57	.52	.74	.57	1.27
S D.		.27	.29	.37	.32	.40	.29	.40	.32	.51	.44	.34	.36	.30
TOTAL OBS.		74	67	73	75	74	71	74	74	72	76	73	74	56

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 088-5 (OLA)  
 JUL 64

WINDSPEED DIRECTION  
 WINDSPEED  
 WINDSPEED DIRECTION

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

STATION  
 STATION NAME

1971

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
5													
5*	*TRACE*	*TRACE*	*TRACE*	.71*	*TRACE*	.74	TRACE	.75	.95	.45	.19		17.45
5*	.46	.29	1.17	1.25	2.97	1.70	.47	.81	2.64	2.42	1.97		17.44
5*	1.52	3.19	1.54	.14	2.87	.83	.74	.82	.41	4.21	1.71		21.15
5*	1.27	.43	.42	1.21	1.31	.71	.65	.73	1.75	1.55	4.49	1.71	17.77
5*	1.37	1.17	2.22	2.45	2.07	.83	.00	.13	1.94	1.44	1.90		15.37
5*	3.04	2.13	.57	3.19	.11	1.70	1.34	TRACE	2.25	.74	4.37		20.12
5*	4.08	4.14	1.56	1.14	.47	2.11	.47	.13	.41	.71	1.71		15.54
5*	1.94	1.36	2.27	.18	.49	.33	.04	.09	1.26	4.99	4.41	1.31	16.81
5*	2.27	2.86	.06	1.76	1.08	1.18	.16	TRACE	1.29	4.11	2.26		17.15
5*	.71	2.33	.39	1.71*	1.48	.49	TRACE	.74	.59	2.12	2.40		15.47
5*	.04	2.59	2.22	3.21	.55	.26	.05	1.16	.68	.24	2.76	1.74	15.15
5*	1.05	2.91	2.53	3.27	1.74	1.12	.35	.16	2.24	1.36	1.74		20.66
7	1.71	.21	.32	.19	.42	.54	1.15	.13	TRACE	.67	1.74		11.15
7*	2.34	.78	1.41	2.07	4.76	2.46	.39	.30	.03	1.54	.17		15.24
7*	2.35	3.27	2.37	.12	.75	.44	.12	.04	4.27	3.11	2.83		22.29
7*	1.29	.06	.09	.53	2.58	2.11	1.67	.68	TRACE	1.07	1.95		24.43
7*	1.50	1.40	2.99	2.33	.67	.77	.61	.24	TRACE	.53	1.73		13.74
7*	1.19	1.99	1.44	2.75	2.25	1.62	.00	1.34	1.51	TRACE	.20		17.26
7*	.46	2.29	.46	2.52	1.95	1.87	1.31	2.13	2.34	2.54	1.21		21.23
7*	2.50	1.74	.55	.63	.98	1.01	.75	1.47	.35	2.94	1.00		17.27
7*	1.52	2.39	1.81	1.26	1.86	2.27	.52	.03	.45	.52	1.12		16.97
7*	4.24	2.61	1.57	2.32	.62*	.26	.57	.25	2.41	2.72	.34*		14.72
7*	.22	1.94	2.13	.50	2.82	1.14	TRACE	.17	.47	1.51	1.66		12.20
7*	.17	1.90	1.24	2.12	1.72	.25	.37	.74	.77	.23	.26		13.77
MEAN	1.643	1.972	1.457	1.753	1.589	1.179	.46	.467	1.26	1.925	2.029	1.25	17.459
SD	1.311	1.133	.949	1.138	1.146	.830	.504	.543	1.152	1.712	1.554	1.474	7.810
TOTAL OBS	741	677	736	715	743	717	744	744	700	762	738	749	594

NOTE \* (BASE) ON LESS THAN FULL MONTHS

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

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION INARIJON A-SP STATION NAME 57-81 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	0.0	0.7	0.9	0.4	0.5									1.0	744	0.6	1.0	0.0
FEB	0.0	0.0	0.6	0.4	0.1	0.3								1.0	673	0.5	0.7	0.0
MAR	0.3	1.0	0.1	0.3										0.4	744	0.1	1.9	0.0
APR	0.9	0.7	0.3											0.3	744	TRACE	0.0	0.0
MAY	0.9	0.1												0.3	744	TRACE	TRACE	0.0
JUN	0.0	0.0												0.0	719	0.0	0.0	0.0
JUL	0.0	0.0												0.0	744	0.0	0.0	0.0
AUG	0.0	0.0												0.0	744	0.0	0.0	0.0
SEP	0.0	0.0												0.0	720	0.0	0.0	0.0
OCT	0.9	0.1												0.0	775	TRACE	TRACE	0.0
NOV	0.9	0.0												0.0	750	TRACE	TRACE	0.0
DEC	0.5	2.5	0.7	0.5	0.7									1.0	773	0.5	3.1	0.0
ANNUAL	0.8	1.0	0.2	0.1	0.1	0.0								0.5	3855	1.4		

WORLDWIDE METEOROLOGICAL SERVICE  
 STATION  
 METEOROLOGICAL SERVICE UNIT

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: RECON AIR OP STATION NAME: RECON YEARS: 1951

## 24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51										TRACE	TRACE		
52	TRACE	TRACE	TRACE	.1	.1	.0	.0	.0	.0	.0	TRACE	TRACE	.1
53	.1	2.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.0
54	0.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1
57	.1	0.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
58	.1	0.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	TRACE	1.1	TRACE	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1
60	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
61	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0
62	.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.0
64	1.1	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.1
65	0.1	.0	1.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	0.0
66	.1	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.1	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
70	TRACE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	TRACE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
72	.1	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
75	.1	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	TRACE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	TRACE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
78	0.1	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	0.0
79	.1	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
81	1.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1
MEAN	.41	.29	.44	.43	.41	.40	.41	.40	.43	TRACE	TRACE	.44	.43
S D	.757	.764	.727	.727	.727	.727	.727	.727	.727	.727	.727	.727	.757
TOTAL OBS	744	678	744	744	744	719	744	744	727	775	750	777	744

U.S. AIR FORCE TROOPING CENTER  
 1000 W. 10th St.  
 Fort Collins, Colorado 7850

**EXTREME VALUES**  
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION: TROOPING CENTER  
 STATION NAME

19-21

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
57											TRACE	TRACE	
58	TRACE	TRACE	TRACE	.2	.1	.2	.2	.2	.2	.2	TRACE	TRACE	.2
59	.1	2.0	.3	.2	.1	.2	.2	.2	.2	.2	.2	TRACE	.2
60	2.1	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	.2
61	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	.2
62	.1	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	1.1	1.1
63	.1	7.3	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	7.3
64	.1	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
65	TRACE	1.9	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	.2
66	.1	.1	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	.2	TRACE
67	1.2	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	1.2
68	.1	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	TRACE
69	.1	.9	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	.2	1.2
70	2.1	TRACE	.2	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	2.1
71	2.1	.2	1.9	TRACE	.2	.2	.2	.2	.2	.2	TRACE	TRACE	2.1
72	.1	TRACE	.2	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2
73	.1	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2
74	.1	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	TRACE
75	.3	.3	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE
76	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE
77	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	TRACE
78	2.1	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	2.1
79	.1	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
80	TRACE	.2	TRACE	.2	.2	.2	.2	.2	.2	.2	TRACE	.2	TRACE
81	1.1	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	1.1
MEAN	.43	.49	.28	.21	TRACE	.22	.23	.23	.23	TRACE	TRACE	.28	1.44
S.D.	.374	1.498	.368	.243	.378	.222	.202	.202	.202	.202	.202	.277	1.844
TOTAL OBS.	744	579	744	720	744	719	744	744	72	72	75	727	584

NOTE \* (BASED ON LESS THAN FULL MONTHS)



2

FEDERAL METEOROLOGICAL BRANCH  
 WASHINGTON, D. C.  
 MONTHLY AT W. SERVICE YEAR

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION 1055 JCH AB STATION NAME 57-81 YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 03	06 10	11 25	26 50	51 100	101 2 50	2 51 5 00	5 01 10 00	10 01 20 00	OVER 20 00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01 04	0 5 14	1 5 24	2 5 34	3 5 44	4 5 64	6 5 104	10 5 154	15 5 254	25 5 504	OVER 50 4						
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120						
JAN			.1	.4										744					
FEB			.7	.4		.1								674					
MAR														744					
APR														744					
MAY														744					
JUN														744					
JUL														744					
AUG														744					
SEP														774					
OCT														774					
NOV														794					
DEC			.1	.1										774					
ANNUAL			.1	.1	.1	.1	.1							784					

# EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NO. 7410  
 STATION NAME

67-81

YEARS

## DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
57													
58	TRACE	1	1	1	1	1	1	1	1	1	1	1	7
59		1	1	1	1	1	1	1	1	1	1	1	7
60		1	1	1	1	1	1	1	1	1	1	1	7
61		1	1	1	1	1	1	1	1	1	1	1	7
62		1	1	1	1	1	1	1	1	1	1	1	7
63		1	1	1	1	1	1	1	1	1	1	1	7
64		1	1	1	1	1	1	1	1	1	1	1	7
65		1	1	1	1	1	1	1	1	1	1	1	7
66		1	1	1	1	1	1	1	1	1	1	1	7
67		1	1	1	1	1	1	1	1	1	1	1	7
68		1	1	1	1	1	1	1	1	1	1	1	7
69	TRACE	TRACE	1	1	1	1	1	1	1	1	1	1	7
70	TRACE		1	1	1	1	1	1	1	1	1	1	7
71	TRACE		TRACE	1	1	1	1	1	1	1	1	1	7
72		1	1	1	1	1	1	1	1	1	1	1	7
73		1	1	1	1	1	1	1	1	1	1	1	7
74		1	1	1	1	1	1	1	1	1	1	1	7
75		1	1	1	1	1	1	1	1	1	1	1	7
76		1	1	1	1	1	1	1	1	1	1	1	7
77		1	1	1	1	1	1	1	1	1	1	1	7
78		1	1	1	1	1	1	1	1	1	1	1	7
79		1	1	1	1	1	1	1	1	1	1	1	7
80		1	1	1	1	1	1	1	1	1	1	1	7
81		1	1	1	1	1	1	1	1	1	1	1	7
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
01													
02													
03													
04													
05													
06													
MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
S.D.	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
TOTAL OBS	744	673	704	704	744	719	768	744	701	774	750	774	774

NOTE \* (TRACE) IN LESS THAN FULL MONTHS

USAF ETAC FORM 0 88 5 (OLA)



## PART C

## SURFACE WINDS

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

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

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

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

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

- 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.

1. TITLE: ...  
 2. ...  
 3. ...

# EXTREME VALUES

FROM DAILY OBSERVATIONS

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

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
67	21ASW	21ASW	43SW	51S	17ASW	24NE	29ASW	29ASW	31SSW	31SSW	31SSW	31SSW	31SSW
68	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
69	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
70	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
71	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
72	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
73	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
74	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
75	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
76	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
77	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
78	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
79	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
80	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
81	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
82	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
83	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
84	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
85	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
86	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
87	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
88	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
89	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
90	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
91	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
92	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
93	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
94	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
95	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
96	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
97	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
98	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
99	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
00	21ASW	21ASW	24W	29S	29SSW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW	29ASW
MEAN	37.4	35.5	35.3	35.4	36.3	32.8	31.7	34.4	35.3	37.0	35.5	35.7	35.7
S D	5.259	5.541	5.279	4.731	5.933	5.478	5.533	4.433	5.000	5.771	5.550	5.550	5.550
TOTAL OBS	774	672	774	672	774	672	774	672	774	672	774	672	774

NOTES: ... (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0885 (OLA)

(BASED ON LESS THAN FULL MONTHS AND +1% KNOTS)

NAVY METEOROLOGICAL BRANCH  
 TAC  
 WEATHER SERVICE / MAC

**SURFACE WINDS**

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

STATION: ITAN, JON A-53 STATION NAME: ALL WEATHER CLASS: ALL WEATHER YEARS: 77-81 MONTH: JAN NORTH: 000000 HOUR: 0000

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

SPEED KNTS 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	.0	1.7	.0	1.1	.1	.0	.0	.0	.0	.0	.0	1.0	7.1
NNE	.0	2.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	1.1	4.1
NE	.0	4.7	1.1	.7	.0	.0	.0	.0	.0	.0	.0	1.4	5.0
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.4
E	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.6
ESE	.4	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	3.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
SSE	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0
S	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	2.1	7.3
SSW	.0	1.4	1.0	1.4	.1	.0	.0	.0	.0	.0	.0	1.7	5.7
SW	.0	2.3	2.3	1.2	.0	.0	.0	.0	.0	.0	.0	2.0	7.1
WSW	.0	1.4	1.4	1.0	.1	.0	.0	.0	.0	.0	.0	1.1	6.1
W	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.0
WNW	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.4
NW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	1.0	4.4
NNW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.4
VA'BL	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.4
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	3.7
	1.2	1.0	12.7	6.6	1.0	.5	.0	.0	.0	.0	.0	1.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 130

2

U.S. AIR FORCE  
 METEOROLOGICAL BRANCH  
 WEATHER SERVICE  
 ZNAU

# SURFACE WINDS

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

STATION: ZNAU STATION NAME: ZNAU YEAR: 71-81 MONTH: JUN  
 CLASS: ALL WEATHER HOURS: 24  
 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	.1	.1						6.7	7.0
NNE	.1	.1	1.0	.4	.4							1.6	4.9
NE	.1	2.1	1.7	.5								7.8	7.7
ENE	.3	1.1	.2	.6								8.0	4.9
E	.2	1.1		.1								2.2	3.4
ESE	.1	.1		.1								.5	3.1
SE		.1										.2	1.7
SSE	.4	.4	.1									.3	4.3
S	.7	1.3	.2	.7	.1							1.1	7.1
SSW	.1	1.2	2.3	1.1	.1							4.2	6.5
SW	.1	1.3	2.0	1.3								5.7	7.4
WSW	.1	1.3	1.6	1.2	.1							5.1	7.7
W	.1	1.1	1.1	1.1								1.5	4.0
WNW	.1	.1										.1	1.4
NW	.1	.1		.1	.1							1.1	7.0
NNW	.1	.4	.1	.6								1.3	6.2
VARGL				.4								.4	11.3
CALM												41.3	
TOTAL	2.0	19.4	10.6	9.0	1.6	.4						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 675

2

FEDERAL CLIMATOLOGY BRANCH  
 U.S. DEPT. OF COMMERCE  
 NATIONAL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: FORPEJUN AFB STATION NAME: FORPEJUN AFB YEARS: 73-81 MONTH: JAN  
 CLASS: ALL WEATHER HOURS: 0000-2359  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.1	.6	1.3	.4							0.3	1.6
NNE	4.3	1.7	.6	.1	.1	.3						6.7	4.5
NE	4.0	2.0	1.0	.5								8.0	4.0
ENE	3.7	1.4	.4	.5	.1	.1						6.3	5.1
E	1.3	.7	.4									1.7	2.0
ESE	.5	.1										.6	2.8
SE	.2											.2	1.9
SSE	.2											.8	2.9
S	.0	1.1	.7	.8								2.5	7.7
SSW	.6	1.0	2.8	1.3	.1							5.2	7.8
SW	.6	1.4	1.6	.4								3.9	6.7
WSW	1.1	1.3	1.4	1.7	.1	.1						3.3	8.5
W	.5	1.0	.5	.4		.1						2.6	7.4
WNW	.4	.4	.5	.1								1.7	5.7
NW	.1	.1	.1	.1								.7	7.5
NNW	.7	.4		.1	.2							1.4	6.5
VARBL			.1	.1								0.2	9.5
CALM												44.9	
	2.1	14.5	9.4	7.4	1.1	.6						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 827



USAF CLIMATOLOGY BRANCH  
 AFSTAC  
 AIR WEATHER SERVICE/AMC

**SURFACE WINDS**

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

STATION: 21 TUREUNJUN AF SP STATION NAME: 73-81 YEARS: JAN MONTH: 977-1170 HOURS: 15 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	1.3	.4	.6	1.8	1.7							5.5	10.3
NNE	2.4	1.4	.8	.2	.2							5.5	5.1
NE	2.3	2.5	.5	.4	.1							5.7	4.4
ENE	3.9	1.7	1.6	1.0	.2							5.9	5.1
E	3.3	.7										7.3	2.5
ESE	1.2	.7	.1									1.5	3.7
SE	.5											.5	2.7
SSE	1.1	.7		.4								2.2	4.9
S	.8	1.4	1.1	.5								3.6	6.8
SSW	1.0	1.2	1.4	1.1								5.3	7.1
SW	1.3	1.2	2.2	1.3	.1	.1						5.3	6.7
WSW	.7	1.3	1.3	1.3	.1							4.5	8.5
W	.2	.5	.8	1.4	.4							3.5	10.8
WNW	.1		.2	.7	.1							1.2	12.4
NW	.4		.1	.1	.1							.7	7.5
NNW	.5	.1	.4	.2								1.2	5.9
VARBL		.1	.2	.1								.5	5.8
CALM												41.3	
	17.6	14.7	11.4	1.5	2.4	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 837

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

**SURFACE WINDS**

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

STATION 27 ID-REJUN AB SP STATION NAME 77-84 YEARS MONTH JAN 1957-1957  
 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	1.2		.2	.2	1.4	.4						2.9	17.3
NNE	.2	.5	.7	.6	.1	.1						2.3	6.1
NE	.2	.2	.7	1.6	.1							4.4	6.1
ENE	.1	1.1	1.1	1.9	.5							7.6	7.5
E	.1	1.1	1.1	.2								3.4	4.6
ESE	1.2	.7										1.9	2.9
SE	.7	.3	.1									1.1	3.1
SSE	.2	.1	.1	.1	.1							2.5	4.7
S	.4	.3	1.5	.6	.1							3.6	5.7
SSW	3.6	2.4	1.4	1.4								3.7	5.7
SW	1.7	2.5	1.7	3.9	.4							7.3	6.3
WSW	1.4	1.6	1.7	3.1	.5							7.2	6.2
W	1.1	.4	1.1	1.6	.5	.2						4.4	10.3
WNW	.5		.1	1.2	.5							3.3	12.1
NW			.2	.4								.3	2.7
NNW	.5	.1	.2	.2	.1	.1						1.3	9.4
VARBL			.3	.4	.1							1.3	1.9
CALM												77.4	
TOTAL	24.9	11.5	12.9	12.2	4.4	.8						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 637

1  
2

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

# SURFACE WINDS

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

STATION: TP-REJON AS SF STATION NAME: 73-81 YEARS: JAN  
 CLASS: ALL WEATHER MONTH: 1500-1700  
 CONDITION: \_\_\_\_\_

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.2	1.1	2.7	1.2	.4	.2					6.5	12.6
NNE	1.1	.7	.5	.4	.1	.1						2.9	7.7
NE	.4	.6	1.2	1.6	.1	.1						4.4	9.3
ENE	1.0	.7	1.9	1.9	.4							5.9	9.7
E	.7	1.9	.6									2.3	4.8
ESE	.7	.4										1.2	2.3
SE	.8	.2	.4									1.1	4.6
SSE	.7	.4										1.1	2.6
S	.9	1.3	1.3	.2								4.3	5.0
SSW	.6	2.5	1.9	.7								10.3	4.7
SW	3.5	3.0	2.9	2.5	.7							13.1	7.2
WSW	2.5	1.3	2.5	4.1	1.9							11.4	9.3
W	1.2	.5	.7	2.7	.4							4.0	9.7
WNW	.2	.4	.6	1.1	.3	.1						2.6	11.3
NW	.2		.5	.6	.4							1.7	11.6
NNW	.1	.5	.1	.5								1.6	7.4
VARBL	.1	.1	.8	1.0	.1							2.0	11.7
CALM												22.1	
	21.9	15.1	17.0	18.5	4.5	.7	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 837

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 27 TARRAGON AFB TX STATION NAME YEARS 73-81 MONTH JAN  
CLASS ALL WEATHER PERIOD 1977-2007  
CONDITION

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	2.5	2.6	1.7		.6						11.2	6.9
NNE	2.7	1.6	.8	.7	.4							6.2	5.9
NE	1.1	1.2	1.0	.7	.1							3.8	7.7
ENE	.6	1.2	.6	.7		.1						3.2	7.3
E	.3		.6									.5	6.1
ESE	.6											.5	2.4
SE	.4	.1										.5	2.5
SSE	.1	.4	.1									.6	4.4
S	1.7	.5	.7	.6								5.9	6.4
SSW	1.4	2.2	1.7	.4								5.5	5.9
SW	1.2	2.4	2.4	2.5	.1							9.3	7.7
WSW	1.3	1.2	2.5	2.3	.2							7.5	9.1
W	2.2	.7	1.6	.6	.1							5.5	6.2
WNW	.5	.4	1.3	1.3	.1							3.2	10.1
NW	1.4	.6	.1	.5	.1							2.7	5.7
NNW	1.8	1.7	.2	.1	.4							3.5	5.5
VARBL			.1	.1								.2	11.0
CALM												33.5	
	27.6	15.5	16.0	12.2	1.6	.7						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 07 TORREJON AB SP STATION N. NO. 77-81 YEARS JAN MONTH  
 ALL WEATHER CLASS 2100-2300 HOURS (LST)  
 CONDITION

SPEED (KNTS., DIR)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.9	2.5	1.0	1.0		.7	.1					8.8	5.6
NNE	4.4	3.8	1.1	.5	.4							11.2	4.9
NE	3.5	1.9	.8	1.1	.1							7.4	5.2
ENE	1.4	1.3	.4	.2	.5	.1						4.4	6.7
E	1.2	.1										1.3	2.5
ESE	.1											.1	3.7
SE													
SSE	.1	.4										.8	3.1
S	.7	1.5	1.7	.6								3.6	6.4
SSW	.8	1.3	1.3	.8	.1							4.4	7.2
SW	.7	1.2	2.7	1.3								5.3	7.9
WSW	.3	.6	2.3	1.4								4.3	8.8
W	.7	.2	1.2	1.1								3.8	7.8
WNW		.2	1.2	1.6								2.7	11.4
NW	.2	.1	.2	.1								1.0	5.6
NNW	.5	1.4	.5	.2	.1							2.7	6.6
VARBL					.1							.1	20.7
CALM												37.5	
	19.2	17.9	13.6	9.9	1.3	.4	.1					120.2	4.1

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TRAPP JON A S SP STATION NAME: TRAPP JON A S SP YEARS: 77-81 MONTH: JAN  
 CLASS: ALL WEATHER MONTH: ALL  
 HOURS (LST): ALL  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	1.7	1.0	1.3	.6	.7	.0					5.9	8.7
NNE	2.2	1.8	.8	.4	.2	.1						6.5	5.1
NE	2.3	2.1	.9	.9	.1	.0						6.5	5.5
ENE	2.3	1.4	.8	.9	.3	.0						5.6	6.4
E	1.3	.6	.3	.0								2.2	3.3
ESE	.7	.0	.0	.0								.9	3.3
SE	.0	.1	.1									.5	3.3
SSE	.7	.0	.1	.1	.0							1.2	3.9
S	2.1	1.0	.8	.6	.7							3.5	6.4
SSW	1.7	1.3	1.9	1.7	.1							6.5	6.6
SW	1.6	1.0	2.2	1.8	.2	.0						7.6	7.7
WSW	1.0	1.2	1.9	2.1	.3	.0						6.5	5.8
W	.9	.7	1.1	1.2	.2	.0						4.0	8.5
WNW	.3	.2	.5	.8	.1	.0						1.4	10.1
NW	.5	.2	.2	.2	.1	.0						1.2	7.3
NNW	.7	.6	.2	.3	.1	.0						2.0	6.5
VARBL	.0	.0	.3	.3	.0							.7	11.1
CALM												35.7	
	21.2	15.5	13.0	11.8	2.3	.5	.0					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 6694

1  
2

FEDERAL CLIMATOLOGY BRANCH  
U.S. DEPARTMENT OF COMMERCE  
METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION 27 TORREJON AH SP STATION NO. 77-81 YEARS

CLASS ALL WEATHER

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	2.0	2.7	1.2	.3	.1						9.1	6.4
NNE	4.3	4.1	1.0	.3								9.7	6.7
NE	3.4	3.0	2.1	.5								7.4	5.7
ENE	.2	3.1	.5	.3								4.3	4.3
E	.5	.8	.7	.1								1.7	3.6
ESE	.7	.3										.8	2.7
SE	.4	.1	.1									.7	3.2
SSE	1.7	.1	.3	.1								1.8	4.0
S	.7	.9	2.0	.7								5.7	6.9
SSW	1.2	1.9	1.8	.8	.3							1.7	7.2
SW	1.0	1.3	2.9	1.3								5.5	7.6
WSW	1.6	2.7	2.5	.8	.5	.1						7.5	7.8
W	.7	.8	1.6	.5	.3							3.5	7.8
WNW	.1	.3	.4	.3	.1							1.2	6.4
NW	.5		.1									.7	3.4
NNW	1.7	.5										1.5	2.6
VARBL			.1									.1	9.0
CALM												70.2	
	22.4	21.1	17.7	6.8	1.4	.3						170.0	4.7

TOTAL NUMBER OF OBSERVATIONS 762

FEDERAL BUREAU OF METEOROLOGY  
 NATIONAL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 77-91 STATION NAME: ALL WEATHER CLASS: ALL WEATHER YEARS: 77-91 MONTH: FEB  
 HOURS: 0-24  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	1.1	1.2	1.1	.2	.4							7.0	3.4
NNE	1.3	3.5	.5	.4								4.7	2.6
NE	7.7	3.5	.9	1.2								4.1	5.7
ENE	2.4	2.1	.1	.4								6.0	4.5
E	1.1											1.1	2.4
ESE	.1	.1										.3	3.5
SE	.1		.1									.2	4.5
SSE	.2	.1	.4									1.8	4.4
S	.8	1.3	1.8	.5								4.2	7.3
SSW	1.7	1.3	2.4	1.2	.1							3.7	6.6
SW	.3	1.7	2.1	1.3	.1							5.0	7.9
WSW	1.2	.7	2.2	.5	.3							4.9	7.6
W	1.1	.4	1.3	.1								3.3	5.8
WNW	.1	.3	.4	.1	.1							1.1	6.3
NW	.7	.4										1.1	3.3
NNW	.1	.5		.3								2.9	3.7
VARBL			.4									.4	7.7
CALM												33.6	
	24.7	20.0	13.6	6.8	1.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 761



0  
2

U.S. NAVAL CLIMATOLOGY BRANCH  
USAFETAC  
4700 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 10PREJUN AA SP

77-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

400-800

HOURS OF DAY

CONDITION

SPEED KNTS. DIR	1-3	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	3.5	1.6	1.2	.3	.1						11.0	5.7
NNE	4.0	2.8	.5	.3								8.1	3.7
NE	3.7	2.0	.7	.9								7.2	4.7
ENE	3.3	2.4	.7	.1								8.4	7.9
E	1.9	.7										2.4	3.7
ESE	.7											.3	2.0
SE	.4		.1									.5	4.0
SSE		.7	.1	.1								.6	7.8
S	.4	1.7	1.6	.5								4.0	7.1
SSW	.6	2.9	2.8	1.3								7.5	7.5
SW	1.4	1.7	2.9	2.2								4.3	7.9
WSW	.7	1.4	1.7	.8	.3							4.2	7.6
W	1.2	.3	.7	.3								3.4	5.3
WNW	.5		.4	.3								1.6	5.6
NW	.7			.1								.4	5.3
NNW	2.1	.4	.3									2.3	3.3
VARBL			.1									.1	5.7
CALM												32.2	
	25.7	19.9	13.4	8.1	.5	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

762

2

NATIONAL CLIMATOLOGY BRANCH  
 WAFSCAFAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION CORPUS CHRISTI STATION NAME 73-21 YEARS 1900-1900  
 CLASS ALL WEATHER MONTH 000-1200  
 CONDITION

SPEED KNTS/ DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	.9	1.4	.7	.4	.7					.7	9.7
NNE	4.1	1.2	.8	.3	.4							6.7	4.7
NE		2.9	1.6	.6	.5							7.9	5.6
ENE	3.8	2.6	.8	.7	.1							7.6	4.2
E	3.5	1.6	.7	.1								1.1	3.8
ESE	.4	.5	.1									1.6	3.1
SE	.7	.1			.1							1.0	4.3
SSE	.7	.1		.1								1.0	5.1
S	1.3	1.7	1.7	.1	.1							4.5	5.4
SSW	.0	2.0	2.9	2.1	.1							1.1	6.1
SW	.2	1.7	3.5	2.1	.1							6.4	7.0
WSW	.2	.4	2.4	1.6	.5							3.4	9.0
W	.2	.7	.7	.3								2.7	6.1
WNW	.2	.4	.1		.1							.9	5.7
NW	.5	.4	.1		.1							.7	5.9
NNW	.5	.3	.1	.3	.1							1.3	7.3
VARBL			.1	.3	.1							.9	10.4
CALM												22.4	
	21.1	18.7	15.4	9.4	7.1	.4	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 762

WAFSCAFAC 11 AM 1900

2

NATIONAL CLIMATOLOGY BRANCH  
METEOROLOGICAL SERVICE/440

### SURFACE WINDS

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

STATION: 2 0 0 2 000 4 000 77-51 STATION NAME: ALL WEATHER 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	6-9	MEAN WIND SPEED
N	.0	.7	.5	2.4	2.7	.9	.7						1.4
NNE	.0	1.0	1.4	.4	.4								1.1
NE	1.2	1.7	.9	.9	.8								1.1
ENE	1.4	1.7	1.2	1.0	.4								1.1
E	1.7	.9	.1	.1									1.1
ESE	1.7	.4	.1										1.1
SE	.2	.1	.3	.1	.1	.7							1.1
SSE	1.7	.5	.7	.1									1.1
S	.1	1.7	.5	.4									1.1
SSW	.0	2.5	2.6	1.8	.1							11.4	6.3
SW	.5	2.5	2.9	2.1	.1								8.5
WSW	1.2	2.3	2.4	4.6	.7	.4						11.2	10.6
W	.7	.9	1.8	1.4	.3	.1							8.5
WNW	.5	.9	.3	.7	.4								8.5
NW	.1	.7	.1		.4							1.3	7.4
NNW	.1	.7	.4	.4	.1							1.7	11.5
VARBL	.5	.9	1.6	1.2	.4							4.5	8.4
CALM												11.0	
	26.0	17.2	18.2	18.8	6.2	6.7	.3					117.1	7.1
	TOTAL NUMBER OF OBSERVATIONS												761

USAFETA FORM 1234

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 OFFICE OF METEOROLOGY  
 WASHINGTON, D. C.

# SURFACE WINDS

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

STATION NO. 1000 STATION NAME ALL WEATHER YEAR 1951 MONTH SEP  
 CLASS ALL WEATHER NO. OBS. 767  
 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	.4	.7	1.3	2.7	1.2						1.0	1.9
NNE	.2	1.4	1.2	.4	.9							4.2	7.1
NE	.7	.5	.5	1.4	.1							1.5	4.7
ENE	.1	1.0	.7	.5	.1							.4	2.7
E	.7	.7	.1	.3								1.0	1.8
ESE	.7	.3	.7	.1								.7	2.7
SE	.7	.3	.7	.1								1.7	5.5
SSE	.7	.7	1.5	.5								2.0	7.7
S	.7	1.4	1.5	.9		.1						7.3	8.7
SSW	.7	7.7	2.5	1.6	.5							13.4	6.7
SW	1.7	4.6	.1	4.1	.4							17.1	5.3
WSW	.0	2.0	2.8	4.7	1.7	.1						11.7	4.7
W	.7	7.7	1.2	2.4	.3	.1		.1				.1	8.8
WNW	.7	.4	.7	.4	.3	.1						.1	10.5
NW	.4	.4	.1	.4	.3	.1						1.5	8.5
NNW	.7	1.7	.3	.4	.4	.4						7.3	4.7
VARBL	.4	.7	1.5	2.0	.7	.1						4.1	5.7
CALM												2.0	
TOTAL	7.1	21.4	21.9	22.6	6.8	2.1		.1				12.0	5.7

TOTAL NUMBER OF OBSERVATIONS 767

WINDS  
 METEOROLOGICAL SERVICE  
 WASHINGTON, D. C.

# SURFACE WINDS

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

STATION NAME: ALL WEATHER CLASS: ALL WEATHER MONTH: JUN YEAR: 1961  
 STATION NUMBER: 71-01 HOURS: 18 00-19 00  
 CONDITION:

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	1.0	1.7	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	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
ESE	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
SE	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	1.0	1.0	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	4.0	1.7	1.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	4.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	2.0	0.1	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	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
NW	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
NNW	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	23.0	2.2	16.4	2.9	0.7	0.1	0.0	0.0	0.0	0.0	100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 16

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20540

# SURFACE WINDS

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

STATION: DAV JON A 1 1P STATION NAME: 77-81 YEARS: 77-81 MONTH: FL  
 CLASS: ALL WEATHER HOURS PER YEAR: 100-2300  
 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	0.5	2.1	4.2	7.1	1.0							14.2	7.6
NNE	4.5	7.1	2.8	.5								10.9	5.7
NE	7.1	1.8	1.4	.7								8.2	4.1
ENE	.9	.9	.5	.1	.1							3.5	1.5
E	.4	.5	.7									1.2	4.5
ESE	.4	.7	.1									.7	4.0
SE	.7	.7										.9	3.1
SSE	.7	.4		.1								1.7	4.0
S	1.5	2.5	1.2	.7								8.6	5.5
SSW	.7	2.1	1.8	1.4								8.3	7.7
SW	.7	2.4	2.5	1.2	.1							8.3	7.4
WSW	1.5	1.3	2.1	1.6	.4							8.4	8.6
W	.7	1.3	1.4	.7	.1	.3						4.5	8.1
WNW	.9	.7	.4	.3	.1							1.5	7.5
NW	.7	.7	.3									1.4	4.7
NNW	1.2	.5	.5	.1								2.5	4.8
VARBL		.1	.3	.1	.1							.9	9.3
CALM												25.2	
TOTAL	21.3	20.9	19.7	9.6	2.1	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 760

2

U.S. NAVAL CLIMATOLOGY BRANCH  
 COMNAVSTA  
 AIR WEATHER SERVICE/MAG

# SURFACE WINDS

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

STATION: TORREJON AFB SP      YEARS: 73-81      MONTH: FEB  
 CLASS: ALL WEATHER      ALL HOURS (LST)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	1.7	0.9	0.2	1.1	.4	.7					1.1	9.5
NNE	1.1	2.4	1.2	.4	.8							7.4	5.1
NE	.3	1.7	1.1	.8	.2							5.2	5.7
ENE	1.6	1.7	.7	.4	.1							4.5	5.3
E	1.1	.6	.5	.1								2.7	4.1
ESE	.6	.7	.1	.5								.9	3.5
SE	.6	.1	.2	.7	.5							1.7	3.2
SSE	.4	.5	.4	.1								1.7	3.3
S	1.7	1.8	1.4	.5	.2	.7						5.1	5.8
SSW	1.7	2.9	0.3	1.4	.2	.1						6.5	7.7
SW	1.4	2.3	3.7	2.7	.2							7.1	8.2
WSW	1.7	1.6	2.4	2.7	.5	.1						6.7	6.3
W	1.7	1.7	1.5	.9	.1	.1	.1	.1				4.5	8.2
WNW	.5	.7	.4	.3	.1	.1	.1					1.3	7.6
NW	.2	.4	.1	.1	.1	.1	.1					1.1	5.6
NNW	1.1	.7	.8	.2	.1	.2	.1					2.5	5.7
VARBL	.1	.2	.6	.5	.1	.1	.1					1.6	9.3
CALM												23.9	
TOTAL	1.9	20.2	17.9	12.3	3.7	.7	.1	.1				17.3	5.4

TOTAL NUMBER OF OBSERVATIONS: 6095

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TUREJON AB SP      YEARS: 73-81      MAC MONTH: 000-000  
 CLASS: ALL WEATHER      HOURS (LST):  
 CONDITION:

SPEED KNTS D.R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.4	2.3	1.6	1.4	1.2	.1						10.9	6.9
NNE	3.5	2.6	2.2	.6								8.8	5.1
NE	3.9	2.9	1.4	.7	.1	.1						8.1	5.7
ENE	2.4	2.2	.2	.4	.1							5.3	4.5
E	.6	1.2										1.8	3.5
ESE	.7	.4	.1									1.2	3.4
SE	.2	.1	.1	.1								.6	6.5
SSE	.2	.4	.2									1.1	4.3
S	.8	2.3	1.8									4.9	5.9
SSW	1.1	1.7	2.5	.8	.1							5.3	7.7
SW	1.1	1.9	1.9	.6								5.4	6.7
WSW	1.4	1.2	1.4	.5	.1							4.7	6.7
W	.4	1.1	1.1	1.2	.1							3.8	8.7
WNW	1.1	1.7	.6	.1	.1							3.5	5.0
NW	1.3	.4	.4	.5								2.7	5.8
NNW	1.3	1.3	.1									2.7	7.6
VARBL					.1							.1	15.7
CALM												73.4	
	23.5	23.7	15.5	6.9	1.7	.2						17.2	4.3

TOTAL NUMBER OF OBSERVATIONS: 637



1  
2

FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
METEOROLOGICAL SERVICE / MAC

# SURFACE WINDS

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

STATION: TORREJON AFB SP      STATION NUMBER: 73-81      YEARS:      MONTH:      YEAR:      HOURS:      DAYS:      MONTHS:      YEARS:      CLASS: ALL WEATHER      CONDITION:

SPEED IN 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	4.1	2.4	1.9	1.4	.0	.1						17.3	6.7
NNE	4.4	3.2	1.9	.6								17.2	4.7
NE	.7	4.2	.8	.4								5.4	4.5
ENE	2.4	1.5	1.5	.2								5.4	4.0
E	.7	1.5	.1									1.2	3.7
ESE	.4	.1										.5	3.0
SE	.1	.1										.2	4.7
SSE	.2	.2	.2									1.2	4.1
S	1.2	.3	1.2	.2								3.5	5.7
SSW	1.2	2.7	2.3	.8	.1							5.5	7.7
SW	.7	1.5	2.2	.5								4.9	7.0
WSW	1.0	.3	1.7	.8								3.5	6.8
W	1.4	1.7	.4	.8								3.9	6.0
WNW	1.1	.4	.5	.2	.1							2.3	5.3
NW	.4	.2	.4	.1	.1							1.2	7.7
NNW	.6	1.1										1.7	3.5
VARBL				.1								.1	14.0
CALM												34.0	
	27.1	21.5	13.8	6.3	1.2	.1						120.0	7.2

TOTAL NUMBER OF OBSERVATIONS 636

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

**SURFACE WINDS**

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

STATION: TOPEKA A3 SP STATION NAME: TOPEKA YEARS: 71-81 MONTH: MAY  
 CLASS: ALL WEATHER HOURS (LST): 2400-0000  
 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	2.4	2.4	1.8	1.3	.5							11.4	5.7
NNE	5.7	2.5	1.4	1.3								13.8	4.5
NE	1.5	2.5	1.6	.2								5.8	3.4
ENE	2.2	2.5	1.6									5.6	4.4
E	.7	1.4										1.7	4.0
ESE													
SE	.5	.5										.5	3.0
SSE	.4	.4	.1	.1								1.0	3.1
S	1.4	1.4	.4	.5								3.7	4.1
SSW	1.4	2.3	2.4	.5								6.6	6.7
SW	.4	2.4	1.7	.5								4.9	6.8
WSW	1.3	1.7	1.2	.5	.2							4.7	6.5
W	.5	.5	.7	.4	.4							2.4	6.5
WNW		.5	.7	.4	.4							.3	3.7
NW	.1	.1	.2	.4								1.7	5.9
NNW	2.2	.5										2.6	2.5
VARBL	.1	.1	.5									.6	7.4
CALM												72.3	
	19.2	20.3	12.0	5.1	1.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 836

1  
2

FEDERAL CLIMATOLOGY BRANCH  
WOLFEAR  
A. WEATHER SERVICE/MAO

**SURFACE WINDS**

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

STATION

1069: JON. A. 0P

STATION NAME

73-81

YEARS

WAD  
MONTH

ALL WEATHER

1900-1100

CLASS

HOURLY

CONDITION

SPEED KNTS DIR	1-3	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	.8	1.6	.6	.2						5.1	13.1
NNE	1.5	1.5	1.1	1.1	.4	.1						6.7	7.7
NE	2.5	2.2	1.2	.8	.1							7.5	5.9
ENE	4.2	2.5	1.9	.1	.1	.2						9.2	5.7
E	3.4	1.4	.2									5.7	3.7
ESE	1.4	.4	.1									1.9	2.8
SE	.5	.2										1.7	2.7
SSE	1.1	.4		.1								1.6	3.5
S	.2	1.2	1.0	.1								4.3	4.5
SSW	1.5	2.2	4.1	1.2								9.9	6.9
SW	1.5	1.7	3.6	1.6	.1							8.0	7.8
WSW	.4	.7	1.2	1.1	.2							3.6	9.4
W	.2	1.2	1.7	.5	.2	.1						3.9	9.1
WNW	.2	.5	1.7	.4								4.2	7.9
WV		.4	.4	.2								1.0	8.6
NNW	.1	.2	.2	.5	.1							1.2	5.8
VARBL		.1	1.3	.6								2.7	9.4
CALM												20.0	
	22.6	18.3	19.7	9.8	1.9	.7						170.0	4.9

TOTAL NUMBER OF OBSERVATIONS

837

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL TAC  
 U.S. WEATHER SERVICE WMO

**SURFACE WINDS**

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

STATION: TORREON, ARIZ. YEARS: 73-81 MONTH: MAR  
 CLASS: ALL WEATHER HOURS: 1200-1400  
 CONDITION: \_\_\_\_\_

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	.4	1.8	1.1	.4						5.7	11.3
NNE	1.1	1.1	.5	.7	.6							4.2	6.5
NE	.7	.5	.6	1.7	.1							3.0	6.1
ENE	.7	.7	.2	.7	.8							2.3	12.1
E	1.2	1.1	.2									2.5	6.1
ESE	.7	.5	.2	.2								1.7	4.9
SE	.6	.4	.2	.1								1.2	5.1
SSE	1.4	.8	.1	.1								2.6	3.5
S	2.7	2.3	1.1	.6								3.5	4.6
SSW	1.2	3.5	2.9	2.2	.1							10.3	6.6
SW	2.2	2.2	3.1	3.7	.2							12.3	8.2
WSW	1.6	1.4	2.5	2.6	.4	.1						9.9	9.9
W	1.1	1.3	1.7	1.1	.4							5.4	6.7
WNW	.6	1.3	1.7	1.2	.7							4.3	5.5
NW	.4	.7	1.1	.6	.1	.1						2.5	9.3
NNW	.4	1.7	.5	.6	.5							3.7	8.7
VARBL	.1	1.1	5.7	2.8	.2	.1						10.3	9.6
CALM												10.5	
	21.2	27.3	22.5	20.0	4.8	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 636

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE/MAI

**SURFACE WINDS**

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

STATION: 1000000 A - 1000 STATION NUMBER: 73-61 CLASS: ALL WEATHER MONTH: MAY YEAR: 1961 HOURS OBSERVED: 1700

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	.3	1.9	2.5	1.2	.4						7.3	12.2
NNE	.5	.7	1.7	1.7	.1	.1						3.3	8.4
NE	.2	.4	.6	1.3	.1							2.5	10.4
ENE	.2	.5	.6	.5								1.9	7.0
E	.7	.5	.4	.1								1.4	5.1
ESE	.5	.4	.2	.1								1.3	4.9
SE	.4	.5	.1	.2								1.2	5.0
SSE	.7	1.3	.1	.1								2.3	4.3
S	.2	1.7	1.6	.5								5.1	5.5
SSW	1.0	2.4	2.2	1.9	.4							8.5	7.4
SW	1.4	2.9	4.3	3.7	.6							12.9	9.1
WSW	1.8	2.3	3.6	5.0	1.1	.1						13.0	10.3
W	.2	1.3	2.4	1.9	.4							5.1	6.7
WNW	1.3	1.1	1.1	1.3	.8							5.6	8.9
NW	1.0	.7	.7	1.1	.2	.2						3.9	6.2
NNW	1.1	.5	.6	1.9	.1	.1						4.7	9.0
VARBL	.6	.7	6.8	1.9	.4							10.0	2.7
CALM												6.0	
	16.8	18.0	28.0	25.0	5.3	1.0						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1700

NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 U.S. WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION TOPREJON A W SP STATION NAME 73-91 YEARS

CLASS ALL WEATHER MONTH MAR

CONDITION ALL WEATHER HOURS 0000

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	1.4	7.0	3.3	4.9	1.7	.5						14.7	10.5
NNE	1.1	.3	1.0	.1								3.9	5.2
NE	.6	.6	1.3	1.1	.3	.1						3.8	4.1
ENE	.1	.7	.2	.1	.1							.9	0.7
E	.5	.2	.1									.8	3.4
ESE	.1	.4	.7									1.2	7.5
SE	.1	.4	.2									.7	5.5
SSE	.5	.4	.7	.2								1.6	7.6
S	.9	1.4	1.1	.2								3.6	6.2
SSW	1.2	1.0	2.2	1.4	.4	.1						7.2	5.2
SW	2.7	3.0	3.7	2.6	.1							13.7	7.1
WSW	1.7	3.0	3.7	4.4	.2							12.3	5.6
W	.6	3.0	3.3	1.3	.1							9.3	7.4
WNW	1.2	1.7	1.2	1.7	.1							5.9	7.9
NW	.7	.3	.6	1.1	.1							3.3	5.3
NNW	1.2	1.7	1.7	1.0	.2							5.9	7.4
VARBL			1.2	.1								1.3	9.2
CALM												11.4	
TOTAL	13.6	24.7	26.3	27.0	3.3	.7						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 637

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE, WASH

**SURFACE WINDS**

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

STATION: FORBURN, ALA SP STATION NAME: 75-31 YEARS: MONTH: 11-19-2001  
 CLASS: ALL WEATHER HOURS: 24  
 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	.3	4.7	7.1	7.3	.8							14.7	5.9
NNE	.7	2.5	1.0	.7	.1							7.6	5.3
NE	.7	2.7	1.1	.4	.2							8.3	5.2
ENE	.7	.5	.2	.5								2.7	4.6
E	.7	1.1	.2									1.7	4.3
ESE	.7	.4										.4	2.7
SE	.7	.4										.3	2.7
SSE	.7	.4	.5	.1								1.3	5.7
S	.7	1.7	.7	.1								1.9	5.9
SSW	1.1	1.5	1.7	.6								4.5	6.3
SW	1.4	2.4	2.4	1.4								7.4	7.3
WSW	1.2	2.7	2.6	.7								7.9	6.5
W	1.7	1.7	1.2	1.3	.4							3.2	7.4
WNW	.1	1.2	.5	.8								3.9	7.5
NW	.5	1.5	.7	.4								2.5	6.6
NNW	.2	1.7	1.2	.2								5.3	5.1
VARBL			.2	.1								1.7	6.6
CALM												20.5	
	22.8	25.7	19.6	9.7	1.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 637

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

# SURFACE WINDS

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

STATION: TORREY HUNTER STATION NAME: TORREY HUNTER YEARS: 17-21 MONTH: ALL  
 CLASS: ALL WEATHER HOURS: 12.5 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	2.0	2.1	1.8	2.1	1.0	.2						1.00	4.4
NNE	2.7	1.7	1.5	.7	.1							7.00	5.7
NE	2.4	2.0	1.8	.7	.1							4.00	5.7
ENE	1.5	1.3	.8	.3	.1							4.02	5.7
E	1.1	.9	.4	.0								7.02	5.8
ESE	.8	.7	.3	.0								1.00	4.7
SE	.5	.7	.1	.1								1.05	4.6
SSE	.7	.7	.2	.1								1.08	4.7
S	1.5	1.4	1.1	.7								4.44	5.7
SSW	1.6	2.3	2.5	1.2	.1	.7						1.77	7.7
SW	1.5	2.3	2.8	1.8	.1	.7						1.60	7.7
WSW	1.2	1.8	2.1	2.7	.3	.7						1.63	8.4
W	1.1	1.4	1.6	1.1	.2	.7						1.63	7.8
WNW	.7	1.1	.3	.8	.2							7.00	7.8
NW	.7	.7	.6	.5	.1							2.03	7.8
NNW	1.1	1.7	.5	.5	.1							2.04	8.4
VARBL	.1	.2	2.1	.7	.1	.7						3.02	9.4
CALM												1.02	
	11.0	21.5	19.7	12.8	2.6	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 603



1  
2

GENERAL METEOROLOGICAL BRANCH  
STATION

### SURFACE WINDS

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

STATION: 21 2 JULY A 08 STATION NAME: 77-81 YEARS: 1951  
 CLASS: ALL WEATHER MONTH: JULY  
 CONDITION: ALL WEATHER HOURS: 127

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	4.5	7.6	.4	.4							1.0	6.1
NNE	7.2	4.2	2.5	1.3	.7							1.8	6.1
NE	1.4	4.0	6.0	7.7	.1							16.3	6.7
ENE	1.7	2.2	2.7	.8	.1							5.5	6.4
E	.7	.7	.4									.2	4.7
ESE		.7	.1	.1								.2	6.7
SE	.1	.7	.3	.1								.4	7.6
SSE	.4	.7	.1									1.3	6.7
S	.1	1.3	1.2	.3								1.3	6.7
SSW	.7	.7	1.5	.5								1.9	6.7
SW	1.2	.7	.5	.4								.9	6.7
WSW	.1	.7	1.4	.3								.7	7.9
W	1.1	1.1	1.2	.7								4.0	6.7
WNW	.7	.7	.3	.1	.1							1.2	6.7
NW	.7	.4	.1									1.1	3.8
NNW	1.0	.9	.5									1.4	4.0
VARBL	.1	.1	.9	.3								1.3	5.0
CALM												23.6	
#	17.7	25.4	41.7	7.5	1.1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 127

VALLEY HILL BRANCH  
 TAC  
 SOUTH SERVICE ROAD

### SURFACE WINDS

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

STATION: VALLEY HILL BRANCH STATION NAME: TAC-81 YEARS: MONTH: NUMBER OF YEARS: 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	.7	2.3	1.4	.1							1.7	1.4
NNE	.2	4.3	2.7	1.2								14.5	3.7
NE	.1	4.3	4.0	1.2	.1							13.7	3.7
ENE	.7	7.2	.6	.4								2.7	4.4
E	.7	.4	.2									2.0	3.4
ESE	.7	.4	.4									2.1	3.7
SE	.7	.8	.4									2.1	3.7
SSE	.1	.4	.1									.7	4.0
S	1.1	1.7	1.1									4.1	3.7
SSW	.7	1.1	1.2	.3								3.2	3.7
SW	.7	.7	1.2	.3								3.2	3.7
WSW	.7	.7	1.2	.4	.1							3.2	3.7
W	.7	.1	1.2	.4	.1							3.2	3.7
WNW	.7	.4	.1	.8	.1							3.2	3.7
NW	.7	.7	.3	.1								3.4	4.0
NNW	.7	1.0	.8	.1								3.4	3.7
VARBL			.7	.1								.7	3.7
T.A.M.													
TOTAL	.2	22.5	13.1	3.0	.5							3.7	4.1

TOTAL NUMBER OF OBSERVATIONS 128

REMARKS: 1 PM 1.04 (ALL OTHERS ARE 0.00)

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANOGRAPHIC ADMINISTRATION  
 WASHINGTON, D.C. 20540

# SURFACE WINDS

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

STATION NAME: ALL WEATHER YEAR: 1961 MONTH: 12

CLASS: ALL WEATHER

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	.4	.4	.1	.7							.7	2.6
NNE	.6	.4	.4	.5								.4	4.4
NE	.7	.4	.6	.6	.1							.4	4.4
ENE	.1	.2	.1	.1								.1	2.7
E	.4	.1	.4									.1	2.7
ESE	.1	.1										.1	2.7
SE	.1	.1	.1	.1								.1	7.3
SSE	.1		.1									.1	5.7
S	.1	.1	.1									.1	5.7
SSW	.1	.1	.1	.3								.4	6.0
SW	.1	.1	.2	.4								.4	6.0
WSW	.1	.1	.6	.1								.1	5.0
W	.1	.1	.4									.1	5.4
WNW	.1	.1	.1	.6								.1	6.0
NW	.1	.1	.3									.1	4.1
NNW	.1	.1	.1	.1								.3	4.4
VARBL	.1	.1	.4									.1	5.1
CALM													
<b>TOTAL</b>	<b>71.4</b>	<b>21.7</b>	<b>12.4</b>	<b>4.1</b>	<b>.4</b>							<b>100.0</b>	<b>5.8</b>

TOTAL NUMBER OF OBSERVATIONS

797

UNITED STATES METEOROLOGICAL SERVICE  
 WEATHER SERVICE ZONE

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

SURFACE WINDS

STATION: 77-31  
 STATION NAME: FORT JONES AIR FLD  
 CLASS: ALL WEATHER  
 MONTH: APR  
 HOURS: 24

SPEED KNTS DIR	0-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	.0	1.0	1.0	1.0	1.0							7.0	1.0
NNE	.3	2.7	1.0	1.0	1.0							1.0	0.0
NE	.0	0.0	1.7	0.1	0.0							1.0	1.7
ENE	1.0	3.3	4.4	0.1	0.1							14.8	0.0
E	0.0	0.7	1.1	.4								7.0	4.0
ESE	.1	1.0										3.1	3.1
SE	.2	.5	.1	.0	.1							2.3	3.1
SSE	1.0	.7	.0	.2								2.7	4.4
S	1.0	1.2	.0									3.7	4.4
SSW	1.0	0.7	2.0	.2								0.7	0.0
SW	.7	1.1	2.3	1.0	.1							1.0	7.0
WSW	1.0	.7	1.2	.0								3.0	7.4
W	.0	.0	.0	.0	.0							1.0	0.1
WNW	.0	.0	.0	.0	.0							1.1	0.0
NW				.1		.3						.4	10.3
NNW	.0	.0	.1	.5	.1	.1						1.0	7.0
VARBL	.0	.0	0.0	1.1	.1							4.4	0.0
CALM												15.0	
TOTAL	20.4	72.3	77.0	19.0	3.0	.4						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 1

1  
2

FAO CLIMATOLOGY BRANCH  
OFFICE  
METEOROLOGICAL SERVICE ZONE

# SURFACE WINDS

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

STATION: 77-81      YEAR: 1954-57      MONTH: 12-1407

STATION NAME:      CLASS: ALL WEATHER      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	1.7	1.8	1.1	2.6	1.7	.4						7.4	1.7
NNE	.1	1.4	1.7	2.1								3.7	3.7
NE	.1	1.7	2.7	1.1	.5	.1						5.7	6.9
ENE		1.7	1.4	.9	.2							4.9	7.9
E	.2	1.4	.4	.4	.1							4.7	5.7
ESE		1.4	.4									3.3	4.5
SE	.2	.7	.4	.5								3.5	5.7
SSE	.2	.5	.4	.2								2.6	5.7
S	.3	2.1	1.5	.2	.2							3.4	5.7
SSW	.3	3.2	1.4	.6	.1							7.7	3.6
SW	.1	3.1	2.6	1.9	.2							5.8	7.5
WSW	1.1	1.1	2.2	2.5	.2							7.4	8.9
W	1.1	2.7	.7	1.1								5.2	6.7
WNW	1.1	.9	.1	.4								3.5	4.9
NW	.2	.1	.1	.1								1.7	4.5
NNW	.7	.7	.1	.6	.1		.2					3.2	9.3
VARBL		1.4	.6	3.2	.6	.1	.2					14.3	7.3
CALM												8.9	
TOTAL	11.8	24.4	26.3	13.4	4.3	.6	.2					170.3	7.3

TOTAL NUMBER OF OBSERVATIONS: 517

1 FEDERAL CLIMATOLOGY BRANCH  
 2 AFETAC  
 AIR WEATHER SERVICE/VMAC

# SURFACE WINDS

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

STATION: 2001 EDAP, JUN A, SP STATION NAME: 73-81 YEARS: APR MONTH: 1500-1700 HOURS (LST)  
 CLASS: ALL WEATHER  
 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	2.3	7.9	7.2	2.7							17.9	1.3
NNE	.7	.7	.6	1.7	.4							3.5	6.9
NE	.7	1.1	1.6	2.1	.4	.1						6.4	10.5
ENE	.7	.4	.6	1.6	.5							3.2	6.7
E	1.5	1.1	.5	.1								3.2	4.4
ESE	.5	.4	.4									1.5	4.3
SE	.4	.4	.2	.1								1.1	6.1
SSE	.7	.4	.5	.4								1.3	6.9
S	1.4	2.1	1.2	.9								5.6	6.5
SSW	1.5	1.7	2.6	.7	.1							6.7	7.1
SW	1.1	2.7	7.1	1.5	.5	.1						9.1	6.4
WSW	1.5	1.6	2.8	2.1	.1							8.1	6.0
W	1.4	3.1	2.8	1.4								7.8	7.0
WNW	1.1	.7	1.7	.7								3.0	6.7
NW	1.1	.5	.5	.5								2.6	6.4
NNW	.7	.6	1.6	.4								3.5	10.7
VARBL	1.7	9.5	4.2	.9								16.4	9.7
CALM												3.5	
	14.7	22.3	31.6	21.5	5.7	.2						170.0	3.1

TOTAL NUMBER OF OBSERVATIONS 811

1  
2

FEDERAL BUREAU OF SURVEILLANCE  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20541  
 ALL WEATHER SERVICE/AVIAL

# SURFACE WINDS

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

STATION NAME: TORREY HUNTSVILLE ALA 73-21 YEARS: 1950-1952  
 CLASS: ALL WEATHERED MONTH: 12 MONTHS  
 LONGITUDE:

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	3.7	4.4	7.3	1.5	.1						14.9	6.9
NNE	.7	1.2	2.6	1.6	.2							6.4	6.6
NE	.9	1.1	2.2	2.1	.4							6.5	6.7
ENE	.4	1.1	1.1	1.2	.1	.1						4.4	6.5
E	.6	.1	.2									1.2	4.3
ESE	.2	.5	.3									1.0	5.4
SE	.3	1.1	.9	.2								2.3	6.2
SSE	.5	.7		.1								1.4	4.8
S	.4	1.5	1.1	.4								3.3	6.7
SSW	.5	2.1	2.1	.2	.1							5.1	6.0
SW	.7	2.5	3.3	.7								7.3	7.2
WSW	1.2	3.3	2.5	2.5	.2							7.5	7.5
W	1.5	2.7	2.1	.7								7.2	6.2
WNW	.7	1.5	1.5	1.2								4.4	7.9
NW	1.1	1.1	1.2	.9								4.2	7.2
NNW	.5	2.6	1.1	.5	.2	.1						5.1	7.1
VARBL	.6	.6	2.2	1.2	.4							4.1	10.2
CALM												7.9	
	17.2	26.9	28.1	27.2	3.2	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 31

2

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

**SURFACE WINDS**

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

STATION 02771 TORREJON AB SP STATION NAME 73-81 YEARS APR NORTH  
ALL WEATHER CLASS 11 0-2300 HOURS U.S.T.  
CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	6.4	5.4	2.7	.4							13.4	6.3
NNE	2.5	2.1	5.3	3.1	.2							12.2	7.6
NE	1.4	2.7	3.2	1.7	.8							7.5	5.2
ENE	3.1	.9	1.2	.7	.1	.1						5.2	5.7
E	.4	.5	.5	.1								1.2	4.6
ESE	.4	.6	.1									1.1	4.2
SE	.7	.7	.2	.2								1.5	5.5
SSE	.7	.2	.4									1.9	5.8
S	1.1	1.5	.6	.4	.1							3.3	6.2
SSW	.4	.4	1.2	.4								1.7	7.2
SW	1.1	1.4	1.6	.4								4.4	5.2
WSW	.7	1.2	.9	.2								3.1	5.2
W	1.1	1.5	1.2	.6								4.4	6.2
WNW	1.4	1.5	.7	.1	.1							3.3	4.9
NW	.4	1.5	.4									2.3	4.9
NNW	.4	1.7	.4	.4	.1							3.7	4.7
VARBL		.1	.9	.5								1.5	6.1
CALM												1.4	
	22.1	24.7	24.1	17.6	1.6	.1						17.1	5.4

TOTAL NUMBER OF OBSERVATIONS 517



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

**SURFACE WINDS**

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

STATION: 0 27 STATION NAME: 10-90JUN A-5P YEARS: 73-81 MONTH: APR  
 CLASS: ALL WEATHER HOUR(S) OF DAY: ALL  
 CONDITION: \_\_\_\_\_

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	3.1	3.0	2.7	1.0	.1						12.9	8.1
NNE	0.0	2.0	2.4	1.4	.2							7.5	6.4
NE	0.0	2.0	2.7	1.6	.3							10.3	6.9
ENE	0.0	1.8	1.5	.9	.1	.0						6.6	6.3
E	0.0	1.1	.6	.1	.0							3.1	4.7
ESE	0.0	.7	.2	.0	.0							1.5	4.1
SE	0.0	.4	.4	.2	.0							1.3	5.1
SSE	0.0	.5	.4	.1								1.8	5.2
S	1.1	1.7	1.1	.3	.0							4.2	5.9
SSW	1.0	1.6	1.7	.4	.0							4.3	6.4
SW	1.0	1.7	2.0	.8	.1	.0						7.6	7.3
WSW	.9	1.3	1.7	1.0	.1							7.0	7.0
W	1.0	1.4	1.1	.7	.0							4.3	6.7
WNW	0.0	.7	.5	.5	.0							2.5	6.7
NW	.7	.3	.3	.2								1.7	6.7
NNW	.1	1.1	.5	.5	.1	.0	.0					3.4	6.6
VARBL	.1	.6	3.3	1.4	.3	.0						5.5	9.0
CALM												15.6	
	1.6	24.2	23.1	12.9	2.4	.7	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 6332

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION NO. 1007 STATION NAME TORREJON AFB STATION NUMBER 73-81 YEAR 1980 MONTH MAY  
CLASS ALL WEATHER HOURS U.S.T. 1000-1000  
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.4	1.9	.2	.1	.1						11.7	4.4
NNE	1.3	4.7	3.6	.2		.1						27.2	4.7
NE	2.4	3.2	2.8	1.2								20.3	5.7
ENE	1.4	1.7	1.1	.2								4.4	5.7
E	1.2	.3										2.0	3.5
ESE	.2	.3	.1									2.2	3.7
SE	.4	.3	.1									1.2	4.6
SSE	.2	1.1	.6	.8	.1							7.1	5.1
S	1.1	2.4	1.1	.4								4.4	6.1
SSW	1.1	2.4	2.2	.2	.1							10.7	6.3
SW	.5	1.3	.7									7.1	5.7
WSW	1.4	1.1	1.1	.1								7.7	5.7
W	.2	1.1	.4	.4								3.5	5.4
WNW	.6	.4	.4	.2								1.6	5.4
NW	.1	.5	.1									1.7	3.2
NNW	.3	1.3										3.5	3.1
VARBL		.5	.4	.4								1.2	4.1
CALM												23.3	
	27.6	26.7	16.9	4.4	.4	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 536

FEDERAL CLIMATOLOGY BRANCH  
 WFOFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 27 TONREJON A: SP STATION NAME 77-81 YEARS MAY MONTH  
 ALL WEATHER CLASS  
 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	0.6	2.2	.6	.6	.4							1.0	4.1
NNE	0.5	4.3	2.2	.2								10.2	4.7
NE	0.4	2.3	1.7	.7								5.0	3.7
ENE	3.1	3.1	.5	.1								5.3	3.7
E	1.1	.5										1.6	3.3
ESE	.5	.2										0.7	2.5
SE	.4	.7	.2	.2								1.1	5.9
SSE	.7	.5	.5	.1								1.9	5.7
S	.6	2.2	2.2									4.5	6.4
SSW	.5	1.7	1.8		.1							4.2	5.3
SW	.4	1.6	.7	.1								2.8	5.9
WSW	1.1	1.0	.5									2.5	4.1
W	.5	.5	.5									1.6	5.7
WNW	.5	.2										1.0	4.5
NW	.8	.1	.1	.2								1.3	4.6
NNW	2.6	1.2										3.8	2.9
VARBL			.5									.5	7.8
CALM												73.3	
TOTAL	20.4	27.7	12.1	2.4	.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 535

NATIONAL METEOROLOGICAL SERVICE  
 METEOROLOGICAL SERVICE  
 METEOROLOGICAL SERVICE

# SURFACE WINDS

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

STATION: FOREIGN AIR SP YEARS: 17-81 MONTH: MAY  
 STATION NAME: FOREIGN AIR SP CLASS: ALL WEATHER MONTH: MAY  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.0	1.7	1.2	.3							.5	0.7
NNE	.4	2.0	1.7	1.4								1.0	0.9
NE	.7	3.5	1.9	.5								1.0	0.9
ENE	.4	2.7		.1								.7	1.1
E	.4	1.2	.1									1.1	2.0
ESE	.7	.4	.1									1.2	3.0
SE	.4	.1										.4	3.0
SSE	.4	.5	.4	.2								.4	0.7
S	1.1	1.4	1.6	.4								4.0	0.7
SSW	1.1	1.7	2.0	.2								.7	0.7
SW	.7	1.4	1.4	.1								.7	0.1
WSW	.7	.5	.4	.1								.7	4.5
W	.7	.5	.9									1.2	0.5
WVW	.7	.1	.2									1.1	3.0
NW	.4	.2	.1									.7	4.0
NNW	.4	.4										1.4	0.7
VARBL			.4	.2								.5	1.0
CALM												.1	
TOTAL	26.7	14.6	11.7	3.6	.2							100.1	1.1

TOTAL NUMBER OF OBSERVATIONS: 137

ALPHA 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

FEDERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 WEATHER SERVICE 7740

**SURFACE WINDS**

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

STATION: TUREJON AFB GP      YEAR: 1951  
 STATION NAME:      MONTH:      CLASS: ALL WEATHER  
 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	.7	.1	.1	1.4	.1	.1						.1	1.1
NNE	.1	1.1	.7	1.2								.1	1.6
NE	.3	2.2	1.9	.6	.1	.1						.1	2.1
NNE	.1	3.1	2.7	1.1		.1						1.4	3.2
E	.1	2.6	.1	.1								.1	2.7
ESE	.1	1.1	.4									.1	1.7
SE	.1	.1		.1								.1	1.1
SSE	.3	.1	.1	.4								.1	1.1
S	.1	2.2	1.7	.5	.1							.1	2.1
SSW	.1	4.1	3.1	1.9								11.4	3.8
SW	.1	2.7	2.7	1.1								.1	2.6
WSW	.1	.1	1.1	.6								.1	1.1
W	.1	1.1	.7	.2								.1	1.1
WNW	.1	.1	.7	.7		.1						.1	1.1
NW	.1	.1	.7									.1	1.1
NNW	.1	.1	.1	.1								.1	1.1
VARBL	.1	.1	1.1	2.6								6.1	1.1
CALM												17.5	
TOTAL	10.1	23.2	17.4	12.8	.6	.4	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 837

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

**SURFACE WINDS**

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

STATION: 1000000 415P STATION NAME: 77-R1 YEARS: 1970-1977  
 MONTH: MAY  
 CLASS: ALL WEATHER HOURS: 0000-2359

CONDITION

SPEED KTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.7	.7	1.4	.5	.1						4.7	9.4
NNE	.3	.7	.5	.7	.1	.2						.1	1.1
NE	.4	1.1	.7	.5	.1	.7						5.5	5.7
ENE	.5	1.4	.8	.2								1.1	5.1
E	1.5	1.5	1.1	.1								1.4	5.2
ESE	.1	.3	.2									1.9	5.2
SE	.4	1.9	.4	.1								1.2	5.4
SSE	.7	1.3	.2									1.9	4.7
S	1.5	4.1	1.5	.6	.1							2.2	5.6
SSW	1.8	4.4	2.7	2.2	.1							11.2	7.0
SW	1.4	3.1	4.1	2.3								11.0	7.3
WSW	1.0	1.4	2.9	1.8								7.5	7.5
W	.4	2.7	1.7	1.6								5.7	7.5
WNW	.8	1.3	.6	.7								2.9	7.7
NW	.7	.7	.5									1.7	4.8
NNW	.8	.7	.7	.2								2.2	5.6
VARB	.1	2.0	12.3	4.4	.7							19.7	9.4
CALM												4.9	
	1.4	24.4	31.1	15.7	1.7	.2	.2					173.2	7.1

TOTAL NUMBER OF OBSERVATIONS

377

U.S. NATIONAL METEOROLOGICAL SERVICE  
 NATIONAL CLIMATOLOGICAL DATA CENTER  
 WASHINGTON, D.C. 20541

# SURFACE WINDS

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

STATION: STATION A STATION NAME: STATION A YEARS: 77-81  
 CLASS: ALL WEATHER  
 CONDITION: \_\_\_\_\_

UNIT: MPH  
 WIND: DIR  
 SPEED: MPH

SPEED KNOTS DIR	0-3	4-7	8-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.1	1.4	1.5	1.0	.5	.2						.4
NNE			1.4	1.0	.4	.1						.4
NE			.7	.5	.1	.1						.4
ENE		1.1	.7	.5	.1							.4
E	.7	1.2	.4	.1								.4
ESE		1.1	.4	.1								.4
SE	.4	.7	.4	.1								.4
SSE	1.1	.7	.4	.2								.4
S	.7	1.4	.7	.7								.4
SSW	.7	1.4	1.7	.7	.2							.4
SW	.7	2.1	4.9	.7	.4							1.1
WSW	1.1	1.7	7.0	1.1	.4							1.1
W	1.2	1.7	2.0	1.4	.5							1.1
WNW	.7	.7	1.6	1.0	.5							.7
NW	.7	.7	.7	.4								.7
NNW	.1	.1	.4	.4								.7
VARBL		1.0	11.4	6.1	.2							1.1
CALM												.7
TOTAL	11.7	24.7	34.8	21.6	7.2	.5						11.7

TOTAL NUMBER OF OBSERVATIONS

117





1  
2

AGROMETEOROLOGICAL STATION  
 12  
 1977-1981

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

SURFACE WINDS

STATION: 12-12-77-81 CLASS: ALL WEATHERS YEARS: 77-81 MONTH: MAY

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 AND SPEED
N	1.0	0.7	1.0	.6								1.0
NNE	1.0	1.0	1.0	.6	.1	.1						1.0
NE	1.0	2.3	1.0	.6								1.0
ENE	1.0	1.0	1.0	.4								1.0
E	1.0	1.0	1.0	.1								1.0
ESE	1.0	1.0	1.0									1.0
SE	1.0	1.0	1.0									1.0
SSE	1.0	1.0	1.0	.2								1.0
S	1.0	1.0	1.0	.2	.1							1.0
SSW	1.0	1.0	1.0									1.0
SW	1.0	1.0	1.0									1.0
WSW	1.0	1.0	1.0	.4								1.0
W	1.0	1.0	1.0	.4								1.0
WNW	1.0	1.0	1.0	.4								1.0
NW	1.0	1.0	1.0	.1								1.0
NNW	1.0	1.0	1.0	.1								1.0
VARBL	1.0	1.0	1.0	.7	.1							1.0
CALM	1.0	1.0	1.0									1.0
	17.4	17.1	17.1	1.4	.5	.1						17.6

TOTAL NUMBER OF OBSERVATIONS 375

QUANTITY: 1.00

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

# SURFACE WINDS

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

STATION NO. 11-1000 JUN 1954 STATION NAME ALL WEATHER CLASS ALL WEATHER CONDITION

SPEED KTS DIR	1-2	4-6	10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.4	1.7	1.1	.7	.1						1.7	5.4
NNE	1.7	2.4	1.5	.8	.1	.1						1.4	5.6
NE	1.7	2.4	1.5	.7	.1	.1						1.9	5.6
NENE	1.7	1.7	.6	.4								1.1	5.1
E	1.7	1.3	.2	.1								1.2	4.1
ESE	.9	.6	.2	.1								1.7	3.7
SE	.6	.6	.3	.1								1.5	4.8
SSE	.7	.3	.5	.4								2.5	5.0
S	1.4	2.4	1.6	.8								5.9	6.7
SSW	1.4	2.4	2.4	.9	.1							7.4	6.7
SW	1.4	2.4	2.4	1.1	.1							7.3	7.1
WSW	1.7	1.7	3.5	1.2	.1							1.2	7.1
W	.7	1.5	1.2	.8	.1							4.5	6.5
WNW	.7	.7	.7	.8	.1							2.4	7.7
NW	.7	.6	.4	.1	.7							3.5	5.5
NNW	1.7	.9	.9	.2								1.2	4.5
VARRL	.1	.1	4.0	2.7	.2							5.9	9.7
CALM												17.4	
#	27.7	25.7	22.1	17.4	1.2	.2	.1					172.3	5.7

TOTAL NUMBER OF OBSERVATIONS

869

2

U.S. NAVAL METEOROLOGY BRANCH  
 METEOROLOGICAL DATA  
 METEOROLOGICAL SERVICE ZONE

# SURFACE WINDS

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

STATION: 07777      DATE: JUN 4 1959      YEARS: 77-81      MONTH: JUN  
 STATION NAME:      CLASS: ALL WEATHER      NUMBER OF YEARS: 5  
 CONDITION:      HOURS PER DAY: 24

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.7	.4	.1								4.4	1.1
NNE	.4	2.2	1.7	.6								6.9	3.1
NE	1.1	2.7	3.7	1.1								11.3	3.8
ENE	.1	2.4	1.8	.5								6.3	3.1
E	1.1	1.4	.1									2.6	3.7
ESE	.7	.4	.1									1.2	3.7
SE	.4	.4	.6									1.4	3.1
SSE	.1	.4	.1	.1	.1							1.1	3.1
S		1.2	.2	.1	.1	.1						1.6	3.1
SSW	.2	.2	1.0	.1								3.1	3.1
SW	.2	.2	.2	.2								1.4	3.1
WSW	.2	1.1	.2	.5								1.7	3.1
W	.2	.2	.2	.2								1.4	3.1
WNW	.2	.2	.1	.2								1.1	3.1
NW	.2	.4	.1									1.1	4.4
NNW	1.7	.2	.1									2.3	3.1
VARBL			1.0	.4								1.4	3.1
CALM												20.5	
TOTAL	11.4	24.7	15.6	4.2	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 521

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 27 STATION NAME TROP. JUN. AFB STATION CLASS ALL WEATHER YEARS 77-81 MONTH JUN MONTHS 77-81 HOURS 1200  
 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	0.1	1.4	0.5									3.4	2.5
NNE	0.1	3.7	0.2	.4								4.4	3.8
NE	0.4	5.6	4.7	.9								17.3	5.1
ENE	0.3	3.0	.6	.1								5.3	4.3
E	0.1	1.4	.5		.1							2.7	2.5
ESE	0.5	.1										0.6	2.7
SE	.1	.5	.1	.1								.6	2.4
SSE	.4		.4	.2	.1							1.4	2.7
S	.5	.5	.5									1.7	4.3
SSW	.5	1.1	.5	.1								2.2	5.6
SW	.4	1.7	.5	.1								2.7	4.4
WSW	.1	.1	.1	.5								1.4	2.5
W	.6	.2	.2	.1								1.2	5.3
WNW	.1	.3	.1	.1								.6	6.9
NW	.1	.1										.6	2.6
NNW	0.7	.5										1.2	2.3
VARBL			.4	.1								0.5	9.5
CALM												33.3	
	23.5	19.9	9.9	2.8	.7							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 812

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

# SURFACE WINDS

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

STATION NAME: WPTA STATION NUMBER: 77-81 YEARS: 77-81 MONTH: JUN  
 CLASS: ALL WEATHER RELEASE LIST: 6-7-81  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.9	.5									1.6	2.7
NNE	.7	1.7	1.6	.2								1.5	3.2
NE	.7	4.4	3.7	2.1								16.1	5.1
ENE	.6	5.1	1.7	.4								16.8	3.5
E	.7	1.4	.1	.1								4.4	3.1
ESE	.4	.1	.1									.9	2.0
SE	.4	.1										.5	2.7
SESE	.7	.5	.5	.1								1.1	5.4
S	.5	1.2	.4									1.2	4.4
SSW	.5	1.6	1.1									3.2	5.7
SW	.6	1.3	.6									1.5	6.6
WSW	.6	.7	.5	.1								1.5	7.5
W	.4	.2	.2	.1								.9	5.9
WNW	.1		.1	.1								.5	5.3
NW	.1											.1	1.2
NNW	.7	.5										1.2	3.5
VARBL			1.2	.5								1.7	9.0
CALM												11.4	
TOTAL	34.4	17.2	11.6	7.8								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 316

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

# SURFACE WINDS

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

STATION: PHOENIX AB 5SP STATION NAME: PHOENIX AB 5SP YEAR: 73-81 MONTH: JUN  
 CLASS: ALL WEATHER NUMBER OF DAYS: 30  
 CONDITION: \_\_\_\_\_

SPEED KNTS D.R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.5	.4	.1								1.9	4.9
NNE	1.6	1.1	.6	.4								4.3	5.2
NE	2.2	2.0	2.8	2.1								9.1	7.5
ENE	3.4	5.4	3.5	.9								13.2	6.6
E	3.5	4.4	1.6	.1								9.6	4.7
ESE	3.8	1.9	.1									7.6	3.7
SE	3.3	1.7	.1									5.7	3.5
SSE	2.5	1.7	.2	.1								5.3	3.5
S	2.4	2.1	.2									5.0	3.1
SSW	2.2	3.2	1.1	.1								5.8	4.7
SW	1.1	2.5	1.7	.9								5.7	3.5
WSW	1.4	1.1	1.4	.1								4.1	3.7
W	1.9	.2	.5	.4								3.0	3.3
WNW	.2	.4	.5	.2		.1						1.2	3.2
NW	.2	.1	.1									.5	4.5
NNW	.1	.1										.1	5.0
VARBL	.2	1.7	6.7	2.6								11.2	5.7
CALM												9.5	
	31.8	23.3	21.8	8.0		.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 879

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE/MAR

**SURFACE WINDS**

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

STATION: TUREJON AFB TX STATION NUMBER: 73-81 MONTH: JUN  
 CLASS: ALL WEATHER YEAR: 1970-1971  
 CONDITION: HOURS PER DAY: 24

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	1.2	.9									3.7	5.1
NNE	.1	1.7	1.2	.2								3.5	5.1
NF	.1	.7	.6	.5								1.7	3.7
ENE	.7	1.7	1.2	.5								4.2	3.1
E	.1	1.7	.5									2.7	3.1
ESE	.1	2.7										1.3	3.7
SE	.2	1.1	.5	.1								3.3	3.9
SSE	.4	1.9	.2		.1							3.1	4.1
S	.1	4.6	1.6	.4								4.5	4.9
SSW	.3	3.5	2.1	.5	.1							7.6	5.6
SW	1.7	3.7	2.5	1.9								1.5	6.9
WSW	1.7	3.1	2.1	1.7								7.9	6.7
W	1.1	2.1	1.4	.6								4.9	6.1
WNW	.6	.1	.6	.1								1.5	3.7
NW	.5	.1	.4	.2								1.2	3.6
NNW	.4	.2	.2	.2								1.1	4.3
VARBL	.7	3.5	14.7	4.6								22.7	6.7
CALM												3.6	
<b>TOTAL</b>	<b>21.3</b>	<b>32.7</b>	<b>29.8</b>	<b>17.9</b>	<b>.2</b>							<b>122.2</b>	<b>6.7</b>

TOTAL NUMBER OF OBSERVATIONS 817

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: WARRIOR AB, SF STATION NAME: WARRIOR AB YEARS: 71-81 MONTH: JUN  
 ALL WEATHER  
 CONDITION: \_\_\_\_\_  
 1970-1981  
 HOURS: \_\_\_\_\_

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	1.2	1.2	.9								4.0	7.6
NNE	.0	1.0	1.5	.6	.1							4.0	7.1
NE	.4	.6	.9	.2								2.1	6.5
ENE	.0	1.1	1.1	.4								5.2	6.8
E	1.1	1.4	1.1	.1	.1							4.3	5.6
ESE	.1	.5	.4	.1								1.2	5.3
SE	1.6	.5	.1	.1	.1							2.3	4.6
SSE	1.0	1.7	.6	.1								5.5	5.4
S	1.7	3.0	1.1	.4								2.2	5.1
SSW	1.0	7.1	2.2	.4								7.5	5.9
W	1.2	3.7	7.7	1.4	.1							5.1	7.1
WSW	1.4	1.0	1.6	2.1								5.9	7.9
W	1.0	3.6	1.5	.7								7.7	5.8
WNW	.2	1.7	.7	.6								3.5	7.2
NW	.1	.9	.9	.2								2.3	6.1
NNW	.7	.7	.6	.1	.1							2.3	6.2
VARBL	.1	3.1	16.4	6.0	.4							26.0	9.3
CALM												7.0	
#	16.0	32.7	34.7	14.6	.9	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 810



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

**SURFACE WINDS**

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

STATION: TRABEJON AFB SP YEARS: 77-81 MONTH: JUL  
 CLASS: ALL WEATHER NUMBER OF YEARS: 5  
 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	2.0	3.5	.9								7.9	7.0
NNE	.3	1.5	1.8	.7	.1							4.7	7.0
NE	1.1	1.2	1.1	.6								4.1	6.9
ENE	.3	1.6	3.7	1.2	.1							7.4	7.0
E	1.2	1.6	2.3	.0	.1							6.4	7.1
ESE	.3	1.1	.6	.1	.1							2.5	6.9
SE	.3	.9	.9	.6	.1							3.0	7.5
SSE	.5	1.5	.5		.1							2.5	6.9
S	1.5	1.6	.0	.2								3.7	6.5
SSW	1.1	.2	1.2	.2								2.5	6.8
SW	1.4	2.5	2.7	1.0								7.5	6.8
WSW	1.5	2.3	2.7	1.2	.1							7.4	7.2
W	1.4	2.2	2.5	1.2								7.2	6.8
WNW	1.1	.9	1.1	.2								3.3	6.5
NW	.4	1.5	1.5	1.0	.2							4.0	6.6
NNW	1.2	1.4	1.4	.5								4.4	6.4
VARBL	.7	6.9	3.3	.4								11.1	10.1
CALM												8.3	
	17.1	26.9	34.2	14.1	1.5							179.7	6.7

TOTAL NUMBER OF OBSERVATIONS 817

U.S. AIR FORCE  
 CLIMATE DIVISION  
 METEOROLOGICAL SERVICE/AFMSS

# SURFACE WINDS

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

STATION: AFMSS JUN AFB STATION NAME: 73-81 YEARS: JUL 1950 - JUN 1951  
 CLASS: ALL WEATHER MONTH: JUL  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	4.4	2.3	.1								1.0	4.8
NNE	1.5	4.4	4.1	.5								1.0	5.3
NE	2.2	4.7	3.6	7.0								12.0	5.7
ENE	1.7	1.7	1.2	.5								5.2	1.9
E	.9	1.4	.6									1.0	4.4
ESE	.5	1.1	.1	.1								1.9	4.9
SE	.7	1.3	.1									1.9	3.7
SSE	.6	.5	.6	.1								1.8	5.4
S	.6	1.2	.7	.1								1.7	5.7
SSW	1.0	.7	.4	.1								1.5	4.4
WSW	1.4	.7	.5									.5	4.3
W	2.1	2.8	1.1	.5	.2							.1	6.3
WNW	1.9	1.1	.2	.4								3.3	4.7
NW	1.1	1.6	.4	.2								7.3	5.2
NNW	2.2	2.5	.2									4.9	3.4
VARBL		.1	2.0	.5	.1							1.7	9.8
CALM												16.5	
	25.3	33.2	19.1	5.4	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 610

ALL-WEATHER  
 STATION NAME  
 DATE

# SURFACE WINDS

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

STATION NAME: \_\_\_\_\_ DATE: \_\_\_\_\_  
 WEATHER CLASS: ALL WEATHER  
 MONTH: \_\_\_\_\_ YEAR: \_\_\_\_\_  
 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		1.0	1.1	0.7								1.1	4.2
NNE		1.0	0.1	0.5								1.9	2.7
NE	1.0	1.0	2.5	1.2								4.0	3.1
ENE	1.0	1.0	1.5	0.6								3.8	2.7
E	1.0	1.0	0.0	0.2								2.5	4.2
ESE	1.0	1.0	0.7	0.7								3.7	4.1
SE	1.0	1.7	0.7	0.1								3.1	3.7
SSE	1.0	1.0	0.4	0.1	0.1							2.0	5.1
S	1.0	2.0	0.7	0.2								4.0	4.7
SSW	1.4	1.4	1.2	0.2								4.0	3.7
SW	1.0	1.0	1.7	0.7								4.0	3.2
WSW	1.1	1.0	1.7	0.1								4.0	3.7
W	1.0	1.4	1.1	0.0								4.0	3.0
WNW	0.0	0.7	0.4	0.3								1.9	3.3
NW	0.0	0.0	0.4	0.2								1.7	3.3
NNW	1.1	0.7	0.3	0.1								2.3	4.2
VARBL	0.1	1.1	0.1	2.3	0.1							2.7	3.1
CALM												10.5	
TOTAL	27.1	26.9	22.1	3.0	0.4	0.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 6479

FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE

**SURFACE WINDS**

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

STATION NAME: STATION 481 YEARS: 1941 MONTH: JUL  
 CLASS: ALL WEATHER HOURS: 0000-2359  
 CONDITION: \_\_\_\_\_

DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	0.7	.6	.4	.1	.1						1.1	4.0
NNE	1.3	5.7	3.9	1.7								1.4	5.0
NE	1.3	7.7	7.7	7.7	.4							1.4	6.0
ENE	.7	7.7	1.0	.8								1.1	5.0
E	.1	1.1	.7	.1	.1							1.1	5.1
ESE	.7	.7	.1									1.7	5.0
SE	.7	.4	.1									1.2	5.0
SSE	.4	.7	.2	.4								1.4	5.7
S	.7	.7	.1									1.1	4.0
SSW	.7	.7	.4									1.3	4.0
SW	.7	.7	.2									1.7	4.0
WSW	.4	.7	.7									.8	4.4
W	.4	.7	.7	.4								1.2	7.5
WNW	1.7	.7	.7									1.3	2.0
NW	.7	.7	.1									1.7	5.0
NNW	1.3	1.1	.7									1.5	3.0
VARBL			.7	.5								1.2	1.0
CALM												1.1	
TOTAL	27.4	28.7	18.1	8.9	.6	.1						172.1	4.1

TOTAL NUMBER OF OBSERVATIONS: 537

UNCLASSIFIED 1994 BY 1045 [REDACTED] DATE 11-04-94

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20540

**SURFACE WINDS**

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

STATION NAME: WAGON A - 1P STATION NUMBER: 27-1 RECORDS: 1  
 CLASS: ALL WEATHER MONTH: JUL  
 CONDITION: \_\_\_\_\_ HOURS: 151

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	0	.1								.7	3.0
NNE	1.4	0.4	1.7	.2								.7	10.7
NE	4.7	7.7	7.7	6.0								7.0	4.0
ENE	1.7	7.7	7.7	5.0								6.0	4.0
E	1.7	7.7	5.0	1.0								4.4	4.0
ESE	0	1.0										.7	1.0
SE	0	1.0										.7	2.0
SSE		1.0										.7	1.0
S	0	0	0									.2	4.0
SSW		1.0										.7	1.0
SW		1.0	1.0	.1								.7	1.0
WSW		1.0	1.0	.1								.7	1.0
W	0	1.0	1.0	.1								.7	1.0
WNW												.0	1.0
NW												.0	1.0
NNW		1.0	1.0									.3	3.0
VARBL			1.0	.2								.4	1.0
CALM												.3	1.0
TOTAL	34.0	27.4	10.3	7.1	.1							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 151

NO. OF OBSERVATIONS BY STATION  
 STATION NO. 15-210-2747

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

**SURFACE WINDS**

STATION NAME: JONAS D. STATION NAME: ...  
 YEAR: ...  
 CLASS: ALL WEATHER  
 LOCATION: ...

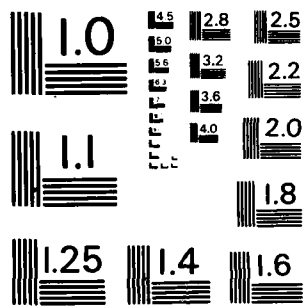
WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	76	MEAN WIND SPEED
N	•	•	•	•								•	•
NNE	•	•	•	•								•	•
NW	•	•	•	•								•	•
NNE	•	•	•	•								•	•
E	•	•	•	•								•	•
ESE	•	•	•	•								•	•
S	•	•	•	•								•	•
SSE	•	•	•	•								•	•
SW	•	•	•	•								•	•
WSW	•	•	•	•								•	•
W	•	•	•	•								•	•
WNW	•	•	•	•								•	•
NW	•	•	•	•								•	•
NNW	•	•	•	•								•	•
UNKL	•	•	•	•								•	•
E.M.	•	•	•	•								•	•
TOTAL	10.6	10.7	4.7	7.5								•	•

TOTAL NUMBER OF OBSERVATIONS



WIND DIRECTION AND SPEED





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: TORREJON AB SP      YEARS: 73-81      MONTH: JUL

STATION N-NE:      CLASS: ALL WEATHER      MONTH: 1900-1100

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.1	.7	1.3								3.0	6.5
NNE	1.6	1.3	.7	.5								4.1	5.5
NE	1.8	1.4	3.0	1.1	.1							7.4	7.3
ENE	3.6	4.4	3.6	.8	.1							12.5	5.9
E	5.3	4.3	2.4	.5								12.4	4.6
ESE	5.9	2.6	.1									8.6	2.9
SE	3.3	.8										4.2	2.5
SSE	3.3	.8										4.2	2.6
S	4.	3.7	.4	.1								7.6	3.4
SSW	3.7	2.4	1.6	.2								7.7	4.7
SW	1.1	1.8	1.3	.4								4.5	6.0
WSW	1.1	.5	.1	.4								2.0	5.5
W	.6	.6	.5	.2								1.9	5.9
WNW	.5	.2										.7	2.8
NW		.1										.1	6.0
NNW		.5										.5	4.5
VARBL	.1	.7	6.2	1.3	.6							9.0	9.5
CALM												9.3	
	36.8	25.7	20.5	6.8	.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 27 TORREJON AB SP STATION NAME: TORREJON AB SP YEARS: 73-81 MONTH: JUL  
 CLASS: ALL WEATHER HOURS (LST): 1200-1400  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.2	.7	1.2								4.3	7.4
NNE	.8	1.2	.4	.7								3.1	6.7
NE	1.0	1.4	.8	.6								3.8	6.2
ENE	.8	1.5	1.8	.4								3.9	7.0
E	1.3	3.7	.6									4.9	4.5
ESE	1.3	1.1										2.4	3.4
SE	.8	1.4	.2									2.5	4.2
SSE	2.6	2.7	.5									5.9	4.7
S	3.6	4.1	1.3	.1								9.1	4.5
SSW	2.0	5.6	2.0	.6								10.3	5.5
SW	1.4	3.1	3.2	.7								8.5	6.6
WSW	.7	2.7	1.9	1.1	.1							6.6	7.4
W	1.1	2.3	2.0	.6								6.0	6.5
WNW	1.0	.7	.2									1.9	3.8
NW	.5	.1		.1								.7	5.0
NNW	.4	.6	.2									1.2	4.5
VARBL		2.5	15.5	3.9	.2	.2						22.5	9.1
CALM												2.5	
	20.1	35.2	31.5	10.0	.4	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 837

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

27°      TOPREJON AB SP      73-81      JUL

STATION      STATION NAME      YEARS      NORTH

ALL WEATHER      1500-1700

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	.5	1.4	1.7								3.9	9.5
NNE	.8	.6	1.0	.2								2.6	5.8
NE	.1	1.3	1.1	.2								2.7	6.8
ENE	.1	1.9	.6	.4								3.0	6.3
E	.6	1.4	1.0									3.0	5.5
ESE	.5	.4	.2									1.1	4.4
SE	.6	.4	.4	.1								1.4	5.7
SSE	1.0	1.9	.4	.1								3.2	5.7
S	1.8	3.5	.8	.2								6.3	4.8
SSW	.7	3.1	2.4	.6								6.8	6.7
SW	.7	2.4	3.5	.8								7.4	7.3
WSW	.6	3.7	3.5	1.7	.2	.2						9.9	8.4
W	.6	2.7	2.9	1.4	.1							7.8	7.6
WNW	1.1	.8	1.0	.4								3.2	6.3
NW	.4	1.1	.6	.2								2.3	6.3
NNW	.2	1.2	.6	.2								2.3	6.6
VARBL	.4	2.9	21.3	6.1	.2							30.8	8.9
CALM												2.2	
	13.5	29.6	42.4	14.5	.6	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS      837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

27 TORREJON AB SP

73-81

JUL

ALL WEATHER

1800-2000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.7	3.5	3.7	.1	.1						9.9	9.3
NNE	.6	.3	1.2	.4	.1							3.1	7.5
NE	.8	1.3	1.1	.7	.1							3.7	7.5
ENE	.5	1.3	2.2	.6								4.5	7.6
E	1.1	1.3	.5									2.9	4.6
ESE	.4	.5	.2									1.1	4.9
SE	.6	1.1	.5	.1								2.3	5.4
SSE	.5	1.2	.6	.4								2.7	6.1
S	1.1	2.7	1.2	.1								4.4	5.2
SSW	1.1	3.7	1.3	.4	.1							6.6	5.7
SW	1.4	3.1	2.7	1.8	.1							9.2	7.3
WSW	1.4	4.2	4.3	.8								10.8	6.7
W	1.3	3.2	3.3	1.8	.2							9.9	7.8
WNW	1.3	1.9	2.0	.2								5.4	5.9
NW	.5	.6	1.7	.1								2.2	6.5
NNW	.5	2.2	1.0	.5								4.1	6.7
VARBL	.2	1.4	8.1	3.2	.5		.1					13.6	9.6
CALM												3.7	
	14.2	31.1	34.6	14.8	1.3	.1	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

027 TORREJON AB SP 73-81 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 1100-2300  
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	2.6	4.4	4.1	1.6	.1							12.8	6.5
NNE	3.6	4.8	3.0	1.2	.2		.1					12.9	6.1
NE	3.2	4.2	2.6	2.6	.2							12.9	6.7
ENE	1.1	1.3	.4	1.1	.1							3.9	6.8
E	.6	1.1	.2									1.9	4.1
ESE	.7	.2										1.0	2.5
SE	.1	.4	.5		.1							1.1	7.8
SSE	.4	.4	1.2	.4								2.3	7.5
S	.6	.5	.5		.1							1.7	5.9
SSW	.7	.5	.2									1.4	3.6
SW	1.3	1.1	.4									2.7	4.2
WSW	.8	1.9	.4	.1								3.2	4.9
W	3.6	4.7	1.6	1.1								10.9	5.2
WNW	4.1	.8	1.1	.1								6.1	3.9
NW	1.8	.8	.5									3.1	3.7
NNW	2.2	2.6	.5									5.3	4.2
VARBL			.7	.7								1.4	11.3
CALM												15.4	
	27.4	29.6	17.7	8.8	1.0		.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 837

1  
2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TORREJON AB SP      YEARS: 73-81      MONTH: JUL

CLASS: ALL WEATHER      MONTH: ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.7	1.6	1.3	.0	.0						7.0	6.3
NNE	3.8	2.9	1.5	.7	.0		.0					8.9	5.0
NE	3.8	3.1	2.7	1.3	.1							10.9	5.9
ENE	2.9	2.7	1.8	.7	.0							8.1	5.4
E	2.1	2.0	.7	.1	.0							4.9	4.4
ESE	1.3	.7	.1									2.1	3.3
SE	.8	.6	.3	.0	.0							1.7	4.4
SSE	1.1	1.0	.4	.1								2.6	4.7
S	1.5	1.9	.6	.1	.0							4.1	4.5
SSW	1.2	2.2	1.2	.3	.0							4.8	5.6
SW	.8	1.7	1.5	.5	.0							4.5	6.5
WSW	.7	1.7	1.4	.6	.0	.0						4.4	7.1
W	1.1	1.7	1.3	.7	.0							4.9	6.6
WNW	1.2	.6	.6	.1								2.4	4.7
NW	.6	.4	.3	.1								1.4	4.7
NNW	1.1	1.1	.3	.1								2.6	4.5
VARBL	.1	.9	6.6	2.0	.2	.0	.0					9.9	9.2
CALM												14.6	
	26.5	27.0	22.7	8.5	.6	.1	.0					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 6695

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TORREJON AB SP STATION NAME: 73-81 YEARS: AUG NORTH  
 CLASS: ALL WEATHER HOURS (LST): 0000-0200  
 CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.0	2.4	.7	.1								8.2	3.5
NNE	5.7	7.5	5.1	1.4	.1							20.3	5.6
NE	3.8	4.2	4.5	2.6								15.2	6.7
ENE	2.7	3.8	1.9	.6								9.1	5.3
E	1.1	1.9	.5									3.5	4.3
ESE	.5	.4										.8	3.6
SE	.5	.2	.4	.1								1.2	5.3
SSE	.8	.7	.4	.1								2.0	4.8
S	1.0	1.1	.5		.1							2.5	5.4
SSW	.8	1.6	.2									2.6	4.4
SW	.5	.5	.1									1.2	4.2
WSW	.7	.1	.4									1.2	4.5
W	.5	.6	.1									1.2	3.8
WNW	1.0	.2										1.2	2.6
NW	1.1	.5										1.6	3.2
NNW	1.3	.6										1.9	2.9
VARBL			.2	.1	.1							.5	11.8
CALM												26.0	
	27.1	26.3	15.1	5.1	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

0-270 TORREJON AB SP 73-81 AUG  
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	48-55	≥56	%	MEAN WIND SPEED
N	7.7	1.4		.5								9.6	3.0
NNE	7.4	4.2	2.3	.4								14.2	4.1
NE	6.3	5.1	3.6	.6	.1							17.7	4.8
ENE	4.5	3.7	1.6	.5								10.3	4.6
E	1.6	2.4	.2									4.4	3.8
ESE	.6	.1	.2									1.0	3.6
SE	.5		.2									.7	4.3
SSE	.2											.2	2.5
S	.7	1.2	.4									2.3	4.5
SSW	.8	1.1	.5									2.4	4.6
SW	.4	1.0	.4									1.7	4.7
WSW	1.1	.2										1.3	2.5
W	.4	.1	.1									.6	4.0
WNW	.4	.2	.1									.7	4.0
NW	.2	.2		.1								.6	5.8
NNW	1.9	1.0	.1	.2								3.2	3.6
VARBL			.1									.1	9.0
CALM												78.9	
	36.8	22.7	9.8	2.3	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 836



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 277 TOPREJON A6 SP STATION NAME: 73-81 YEARS: AUG MONTH: 1980-1980  
 CLASS: ALL WEATHER 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	4.8	.7	.6	.7								6.8	4.1
NNE	9.7	3.0	.8	.4								13.9	3.4
NE	14.9	4.9	1.8	.7								22.3	3.6
ENE	8.4	5.9	1.1	.7	.1							16.1	3.9
E	4.3	1.3	.2									5.9	2.9
ESE	.2											.2	2.0
SE													
SSE	.1	.1	.1									.4	4.0
S	.7	.2	.1									1.1	3.7
SSW	.6	1.1	.4									2.0	4.9
SW	.8	.8	.2									1.9	4.0
WSW	.1											.1	3.0
W	.6			.1								.7	3.7
WNW		.1										.1	5.0
NW	.2			.1								.4	5.7
NNW	.7	.1	.1									1.0	3.0
VARBL													
CALM												27.1	
	46.2	18.3	5.5	2.7	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

027 TORREJON AB SP 73-81 406  
 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	.5	.4	.5	.6	.1							2.0	8.4
NNE	2.7	1.7	.7	.8	.1							5.7	5.3
NE	3.5	2.2	1.8	.8								8.2	5.5
ENE	4.4	5.4	2.6	.5	.1							13.0	5.2
E	7.9	6.6	1.0		.1							15.5	3.7
ESE	4.3	1.8										6.1	2.9
SE	3.9	.4										4.3	2.2
SSE	3.8	1.4	.1									5.4	2.3
S	5.0	1.8	.2	.1								7.2	3.2
SSW	2.9	2.7	2.0	.1								7.8	4.3
SW	1.7	1.4	1.0	.2								3.6	5.5
WSW	.6	.1	.8									1.6	5.5
W	1.0	.2										1.2	2.5
WNW	.1											.1	3.1
NW	.2			.1								.4	6.7
NNW	.5	.1		.1								.7	3.3
VARBL		.7	3.3	.4	.2							4.7	8.8
CALM												12.5	
	42.3	26.5	14.1	3.8	.7							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

## SURFACE WINDS

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

STATION: TORPEJON AFB SP STATION NAME: 73-51 YEARS: MONTH: 1200-1400  
CLASS: ALL WEATHER HOUR (LST):  
CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	.8	.4								3.2	5.8
NNE	1.2	1.4	1.6	.6	.4							3.1	7.1
NE	1.1	.7	.8	.6	.2							3.0	6.7
ENE	.7	1.3	.4	.1	.1							2.6	5.8
E	2.3	2.4	.1	.1								4.9	3.9
ESE	2.2	1.8										3.9	3.2
SE	2.2	1.7	.1									3.9	3.5
SSE	2.6	2.0	.1									4.8	3.6
S	4.3	5.5	1.6	.2								11.6	4.5
SSW	2.5	5.4	2.0	.4								10.3	5.1
SW	2.2	3.6	2.6	1.2								9.4	6.2
WSW	1.2	3.3	1.7	.6								6.8	5.3
W	1.7	2.2	1.4	.1								5.4	5.4
WNW	.8	1.7	.2									2.7	3.9
NW	.1	.2	.6									1.7	7.4
NNW	.5	.4	.2	.1								1.2	5.2
VARBL	.2	2.6	9.9	2.6		.1						15.6	8.6
CALM												5.1	
	26.8	35.7	24.3	7.1	.7	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 836

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TORREJON AB SP STATION NAME: 77-81 YEARS: MONTH: 15 1977  
 CLASS: ALL WEATHER CONDITION:

SPEED KNTS D.R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	1.1	1.2								4.7	7.3
NNE	.4	1.2	1.4	.7								4.5	6.7
NE	.1	1.1	.5	.4	.1	.1						1.0	6.2
ENE	.4	1.1	.4		.2							1.7	6.1
E	.2	1.5	.4									3.1	7.7
ESE	.1	.7										1.2	3.4
SE	.4	1.5										1.9	3.9
SSE	1.4	1.0	.4	.1								7.8	4.4
S	1.0	4.1	.7	.2								7.9	4.8
SSW	.7	3.6	2.3	.5								7.1	5.0
SW	1.1	4.3	3.3	1.7								11.3	7.4
WSW	1.1	4.8	3.7	1.2								11.9	7.7
W	1.3	4.1	3.1	.8								7.3	6.4
WNW	.6	1.4	.6	.8								3.5	7.5
NW	.4	1.3	.6	.4								2.5	6.7
NNW	.5	1.7	.2	.2	.1							1.8	6.9
VARBL	.1	7.3	12.4	4.3	.1							19.2	9.7
CALM												1.8	
	13.1	39.4	30.3	12.5	.6	.1						170.3	6.7

TOTAL NUMBER OF OBSERVATIONS 637

1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TONREJON AB SP      STATION NAME:      YEARS: 73-81      MONTH: ALL  
 CLASS: ALL WEATHER      MONTHS: ALL  
 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	.6	1.1	3.5	7.3	.6							9.1	10.2
NNE	.6	1.2	.9	.7	.1							7.3	7.1
NE	.5	.2	.7	1.3	.1							2.9	12.2
ENE	.5	.8	.7	.4	.1							2.5	6.5
E	.5	1.2	.5	.2								2.4	6.2
ESE	.1		.6	.1								1.0	7.1
SE	.4	.5	.5	.2	.1							1.7	7.3
SSE	.7	.7	.5	.2								7.2	5.7
S	2.7	3.5	1.7									6.2	4.7
SSW	3.7	4.1	2.3	.2	.1							6.7	5.7
SW	2.4	2.7	2.3	.5								7.9	5.6
WSW	2.2	4.4	4.7	1.3								12.5	6.8
W	3.6	5.1	3.2	.8								12.3	5.6
WNW	.5	1.7	1.2	.5								4.2	6.6
NW	.7	1.2	.7	.2	.1							3.2	6.3
NNW	.4	.7	1.4	1.4								3.9	9.0
VARBL		.7	5.3	1.6	.4							7.9	9.3
CALM												6.7	
	12.3	29.6	29.6	13.1	1.7							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 277 TORREJON AB SP STATION NAME: 77-81 YEARS: AUG 1977-2377 MONTH: NORTH

CLASS: ALL WEATHER HOURS (LST):

CONDITION:

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	4.2	2.2	1.7								11.9	5.8
NNE	3.2	7.1	4.2	1.1		.1						15.7	5.9
NE	1.8	2.7	2.3	2.9	.5							23.2	8.3
ENE	1.3	1.7	.7	.5	.5							4.7	6.9
E	.5	.5	.6									1.6	5.5
ESE	.6	.2	.2									1.1	4.1
SE	.1	.5	.6	.4	.1							1.8	8.6
SSE	.5	.5	.5	.4								1.3	6.6
S	.7	1.1	.2									1.9	4.1
SSW	1.5	.7	.1									1.3	3.5
SW	.3	1.3	.2	.1								2.5	4.5
WSW	1.8	1.4	.4	.1								3.7	4.5
W	2.9	2.9	1.1									6.8	4.3
WNW	2.6	.6	.6									3.3	3.7
NW	1.7	1.1	.4	.1								3.2	4.3
NNW	3.1	4.1	.4	.2								7.8	4.0
VARBL			.2		.1							.4	11.7
CALM												19.5	
	26.5	30.5	14.8	7.4	1.2	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

## SURFACE WINDS

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

271 TOPREJON AB SP 73-81 AUG  
STATION MONTH  
STATION NAME YEARS  
ALL WEATHER CLASS  
CONDITION  
ALL  
HOURS IN DAY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.5	1.2	1.1	.1							8.7	5.7
NNE	3.9	3.4	2.1	.8	.1	.0						10.3	5.3
NE	4.2	2.6	2.0	1.2	.1	.0						10.2	5.7
ENE	2.9	2.9	1.2	.4	.1							7.5	5.0
E	2.4	2.2	.4	.0	.0							5.2	3.9
ESE	1.1	.6	.1	.0								1.9	3.4
SE	1.0	.6	.2	.1	.0							1.9	4.4
SSE	1.3	.9	.3	.1								2.6	4.1
S	2.7	2.3	.6	.1	.0							5.0	4.4
SSW	1.5	2.8	1.2	.1	.0							5.7	5.1
SW	1.1	2.0	1.3	.5								4.3	6.0
WSW	1.1	1.8	1.4	.4								4.6	6.2
W	1.5	1.9	1.1	.2								4.8	5.3
WNW	.8	.7	.3	.2								2.0	5.3
NW	.6	.6	.3	.1	.0							1.6	5.5
NNW	1.1	1.0	.3	.3	.0							2.7	5.0
VARBL	.0	.8	3.9	1.1	.1	.0						6.0	9.0
CALM												16.3	
	29.7	28.6	17.9	6.8	.7	.0						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

6694

2

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 27 TORREJON AB SP STATION NAME 73-81 YEARS SEP MONTH  
 ALL WEATHER CLASS 000-0200 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	4.3	1.7	.2	.5								6.6	3.7
NNE	7.7	4.2	2.3	.1								14.0	3.8
NE	5.9	5.4	3.5	.7								15.1	4.9
ENE	3.1	4.4	1.1									8.7	4.1
E	7.2	.9	.7									3.8	3.6
ESE	.6	.2										.9	3.5
SE	.5	.4		.1								1.0	4.5
SSE	.5	.7	.2									1.5	4.8
S	1.2	2.3	1.5	.1								5.2	5.1
SSW	1.1	1.7	.6	.1								2.3	5.3
SW	.2	.7	.6									1.6	5.8
WSW	.7	1.5										1.7	3.4
W	1.0	.4										1.4	2.5
WNW	.6	.1	.4									1.1	4.0
NW	.2	.1	.2									.6	5.2
NNW	1.6	.7	.1	.1	.2							2.8	5.0
VARBL			.2									.2	8.0
CALM												31.0	
	32.1	24.2	10.5	1.9	.2							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 809



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 127 TOPREJON AB SP STATION NAME: 73-81 YEARS: SEP MONTH: 0300-1500 HOURS (LST)  
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	6.7	1.1	.4	.2								3.4	2.9
NNE	11.1	2.1	.7	.5								14.5	3.1
NE	9.9	2.7	1.4	.4								14.4	3.6
ENE	4.1	2.6	.5	.5								7.5	4.1
E	2.7	.4		.1								3.2	2.9
ESE	.4											.4	2.0
SE		.1										.1	5.0
SSE	.1	.2	.2									.6	4.8
S	.2	1.9	.7	.1								3.0	5.7
SSW	.7	1.4	1.2	.1								3.5	6.0
SW	1.2	.6	.7									2.5	4.5
WSW	.6	.6										1.2	3.3
W	.6		.1									.7	3.2
WNW	.7	.1										.9	2.3
NW	.7	.1		.1								1.0	3.9
NNW	1.2	.7	.1	.1								2.2	3.6
VARBL				.1								.1	16.0
CALM												35.6	
	41.1	14.7	6.2	2.4								170.0	2.4

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

STATION 271 TORREJON AB SP STATION NAME 73-81 YEARS SEP MONTH 0600-1800 HOURS (LST)  
ALL WEATHER CLASS  
CONDITION

SPE: (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.6	1.1		.1								5.8	2.7
NNE	17.0	1.6	1.0	.2	.2							15.1	3.3
NE	11.6	3.3	.7	.1								15.8	3.0
ENE	8.5	2.2	.5	.2								11.5	3.1
E	3.7	.9										4.7	2.5
ESE	.4											.4	2.0
SE	.1											.1	2.0
SSE	.2	.1										.4	3.3
S	.4	1.5	.6	.1								2.6	5.5
SSW	.9	.6	1.4	.2								3.1	6.2
SW	.5	.9	.4	.1								1.9	5.7
WSW	.4	.4	.1									.9	4.1
W		.1	.2									.4	6.7
WNW	.1											.1	2.7
NW	.6			.1								.7	3.5
NNW	1.1	.4	.1	.2								1.9	4.3
VARBL			.2									.2	8.0
CALM												34.6	
	45.2	13.1	5.3	1.6	.2							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 817

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 01270 TORREJON AB SP STATION NAME: 73-81 YEARS: MONTH: SEP 1900-1100  
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	.6	.2	.6	.1	.2						3.0	7.7
NNE	3.7	1.2	1.7	.6								5.8	4.9
NE	5.8	1.1	1.5	1.5								9.9	5.3
ENE	6.8	4.3	1.7	.9								13.7	4.5
E	17.5	4.1	.2									14.8	2.8
ESE	5.6	.5										6.0	2.2
SE	2.8	.1										3.0	1.9
SSE	2.3	.6										3.0	2.4
S	2.8	1.6	1.7	.1								5.6	4.3
SSW	1.9	2.6	1.2	.1								5.8	5.0
SW	1.2	1.5	1.2	.2								4.2	5.9
WSW	1.1	1.2	.7									3.1	5.0
W	.4	.4	.2	.2								1.2	6.4
WNW	.4	.1										.5	2.8
NW	.5											.5	2.3
NNW	.2											.2	3.3
VARBL	.2	.1	1.1	.2								1.7	7.9
CALM												18.0	
	46.7	20.1	10.2	4.6	.1	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

0 270 TORREJON AB SP 73-81 SEP  
STATION MONTH  
 ALL WEATHER 1200-1400  
CLASS HOUR (LST)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.1	.5	.9	.4	.1						3.9	8.7
NNE	.7	.6	.9	.1								2.3	5.9
NE	.6	.9	.9	.2								2.6	6.0
ENE	1.1	1.5	.5	.2								3.3	5.1
E	.2	2.1	.5									4.8	3.9
ESE	2.1	1.6										3.7	3.1
SE	2.2	.7	.1									3.7	2.6
SSE	3.5	1.5	.1	.1								5.2	3.3
S	5.6	4.1	1.4									11.2	3.7
SSW	3.8	6.2	2.7	.4								13.1	4.9
SW	2.3	4.7	2.5	1.4	.4							11.7	6.3
WSW	2.0	3.1	1.6	.7								7.4	5.8
W	1.7	1.4	1.2	.7								4.3	6.7
WNW	.4	.4	.2	.1								1.1	5.3
NW	.2	.2	.1									.6	4.0
NNW	.7	.6			.1	.1						1.6	6.3
VARBL	1.7	2.7	9.0	1.7								13.7	7.9
CALM												5.7	
	31.7	32.6	22.2	6.7	.9	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 07 270 TOPPEJON AB SP STATION NAME: 73-81 YEARS: SEP  
 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	.2	1.4	1.0	1.2	.4							4.2	9.4
NNE	.2	.9	.1	.2								1.5	5.8
NE	.4	.6	.9									1.9	5.9
ENE	1.2	.9	.1	.1								2.3	4.7
E	1.1	1.5	.2									2.8	3.8
ESE	1.1	.7										1.9	3.5
SE	1.2	.5	.2									2.5	3.8
SSE	2.3	2.1	.2	.1								4.8	3.9
S	2.6	4.7	1.7	.4								7.9	4.8
SSW	2.7	4.7	2.8	.4	.1							12.2	5.6
SW	2.3	4.8	3.7	.9								11.0	6.1
WSW	1.6	3.3	4.1	2.3	.1							11.5	7.6
W	1.9	3.2	2.7	1.1		.1						9.7	6.8
WNW	1.4	2.7	.6	.4								4.3	5.3
NW	.5	.5	.4									1.4	5.0
NNW	.2	1.2	1.0	.2	.2	.2						3.2	9.7
VARBL	.2	1.7	1.9	3.6	.1							16.5	6.8
CALM												3.8	
	21.4	33.2	29.3	11.0	1.0	.4						172.0	6.3

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)

0 27 STATION TORREJON AB SP YEARS 73-81 MONTH SEP  
 CLASS ALL WEATHER HOURS 1800-2000  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.7	3.2	2.0	.5							9.8	9.1
NNE	1.1	1.2	1.4	.6	.1							4.4	7.1
NE	1.5	.9	.7	.1	.1							3.3	5.1
ENE	.4	1.7	.6									2.0	5.6
E	.9	.9	.2	.1								2.1	4.5
ESE	1.2	.5										1.7	3.7
SE	1.7	.4	.2									1.6	3.9
SSE	.7	.1	.2									1.1	3.9
S	.9	2.6	.9									4.3	4.9
SSW	3.1	3.1	1.5									6.8	4.3
SW	3.6	3.6	.1	.4								9.6	4.9
WSW	4.6	4.2	4.1	1.7	.2							14.8	6.2
W	4.1	3.7	2.1	.5								15.4	5.7
WNW	3.5	1.4	.7	.1								4.7	4.7
NW	1.7	1.6	.7	.1								3.5	5.3
NNW	1.7	2.1	.5	.5	.2							4.3	6.1
VARBL		.2	2.7	.7								3.0	4.2
CALM												12.6	
	27.5	37.4	21.4	6.9	1.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 817

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 0 27 CORRECTION AS SP STATION NAME: 73-R1 YEARS: SEP MONTH: 2100-2300 HOURS (LST)

CLASS: ALL WEATHER

CONDITION:

SPEED KNTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	3.0	1.1	.6								11.7	3.0
NNE	4.7	5.2	2.7	.2								12.1	4.4
NE	7.8	5.3	2.5	.7								12.3	5.3
ENE	0.1	.6	.9	.5								4.1	5.7
E	0.0	1.4										2.0	3.5
ESE	.1	.6	.1									.9	5.1
SE	.1	.1										.2	3.7
SSE	.5	.4	.4									1.2	4.9
S	.4	.7	.7		.1							2.0	6.3
SSW	1.0	1.6	.6	.4								7.6	5.7
SW	1.2	1.4		.1								2.7	4.0
WSW	1.7	1.6	.7	.1								4.2	4.7
W	1.5	1.1	1.7	.2								4.2	4.9
WNW	.9	.6	.6									2.1	5.3
NW	1.2	.6	.2									2.1	3.6
NNW	2.5	.7	.4	.2								4.0	3.7
VARBL			.4	.1								.5	9.0
CALM												30.1	
	27.9	24.9	11.6	5.3	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TOPREJON AB SP STATION NAME: TOPREJON AB SP YEARS: 77-81 MONTH: SEP  
 CLASS: ALL WEATHER ALL WEATHER  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.3	1.5	.9	.8	.2	.7						0.7	5.3
NNE	5.1	2.1	1.1	.3	.7							8.7	4.1
NE	4.9	2.5	1.4	.5	.7							9.4	4.5
ENE	3.4	2.2	.7	.3								6.6	4.2
E	3.5	1.5	.2	.0								4.9	3.2
ESE	1.4	.5	.2									7.7	2.8
SE	1.1	.3	.1	.0								1.5	3.7
SSE	1.3	.7	.2	.0								2.2	3.6
S	1.8	2.4	.9	.1	.7							5.2	4.7
SSW	1.8	2.5	1.5	.2	.7							6.1	5.3
SW	1.7	2.3	1.3	.4	.7							5.7	5.6
WSW	1.6	1.9	1.4	.6	.7							5.6	6.0
W	1.3	1.3	1.7	.4		.7						4.0	5.6
WNW	.9	.6	.3	.1								1.9	4.5
NW	.6	.4	.2	.7								1.3	4.4
NNW	1.1	.8	.3	.2	.1	.7						2.5	5.5
VARBL	.2	.5	3.7	.8	.7							4.5	8.5
CALM												21.4	
	34.4	24.2	14.6	4.8	.5	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 6477



0  
2  
1

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 27 TORREJON AFB SP STATION NAME: 73-81 YEARS: MONTH: 01-1968  
 CLASS: ALL WEATHER HOURS (LST):  
 CONDITION:

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.6	.6	1.2	.5							6.3	6.3
NNE	5.0	2.9	1.2	.6								10.5	4.5
NE	5.2	3.8	1.1	.4								11.5	3.9
ENE	4.2	3.1	.4	.1								7.6	3.5
E	1.7	1.2	.5	.2								3.6	4.4
ESE	.2	.4										.5	3.7
SE	.2	.5	.1									.8	4.6
SSE	.2	.7	.4	.5	.1							1.9	6.9
S	.7	2.3	1.2	.2								4.4	6.7
SSW	.4	1.4	1.1	.4								3.2	6.5
SW	.7	1.4	1.4	.6								4.2	6.3
WSW	.7	1.1	1.1	.9								3.7	7.2
W	1.2	.7	.5	.4	.2							5.7	6.5
WNW	.2	.4	1.1	.1								1.7	7.6
NW	1.1	.5	.4	.2								2.2	4.9
NNW	1.3	.7	.2	.1								2.4	4.1
VARBL			.2	.5								.7	12.7
CALM												31.4	
	27.7	22.6	11.2	6.3	.9							100.0	3.6
TOTAL NUMBER OF OBSERVATIONS												837	

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: YORBALEN AFB GP STATION NAME: YORBALEN AFB GP YEARS: 77-81 MONTH: ALL  
 CLASS: ALL WEATHER HOURS: ALL  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	.3	1.7	1.9	.4							1.2	5.9
NNE	5.6	2.9	.5	.5								10.4	3.8
NE	7.5	2.7	.6									10.9	3.9
ENE	4.7	2.5	.7	.2								8.1	3.7
E	1.4	1.1	.4									2.9	2.7
ESE	.5	.1	.3									.8	4.5
SE	.2	.1	.3									.6	4.6
SSE	.4	.4	.2	.4								1.3	7.5
S	.6	1.4	1.1	.2								3.1	6.0
SSW	.0	1.9	2.7	.2								5.0	6.7
SW	.6	1.1	1.2	.8								3.7	7.7
WSW	.5	.5	1.7	.5								2.4	7.5
W	.7	.7	1.2	.4		.2						1.2	6.7
WNW	.1	.5	.2	.2								1.2	6.7
NW	.5	.1	.2									1.0	4.1
NNW	.0	.7	.1									1.7	5.4
VARBL	.1	.1	.2	.2								.5	15.2
CALM												72.4	
	51.9	17.8	11.8	5.6	.4	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

837

2

FEDERAL CLIMATOLOGY BRANCH  
 WFOCIAC  
 AIR WEATHER SERVICE/MAO

**SURFACE WINDS**

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

STATION TRUSSUM AFB 3P STATION NAME 73-81 YEARS 1967  
 MONTH 6-12-67  
 CLASS ALL WEATHER HOURS (LST) 0000-2300  
 CONDITION

SPEED KNTS D.R	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.9	2.2	.7	1.0	.4							3.1	5.4
NNE	1.5	1.9	.8	.4								11.6	3.3
NE	5.9	2.8	.7	.6								10.3	3.6
ENE	4.7	2.5										7.2	2.9
E	1.1	.6	.7	.1								2.2	4.3
ESE	.5											.5	2.3
SE	.4		.1									.5	3.4
SSE	.1	.2	.6	.2								1.2	6.1
S	.9	1.7	1.4	.2	.1							4.3	6.4
SSW	.5	1.1	1.9	.8	.1							4.5	5.7
SW	.5	.7	1.6	.1								2.9	7.1
WSW	.9	.4	1.3	.6	.1							3.2	6.1
W	.5	.4	1.3	.8	.2							3.3	6.5
WNW	.1	.2	.2	.1								.7	7.2
NW	.5	.1		.1								.7	5.2
NNW	.1	.2	.4									1.7	4.1
VARBL	.1			.2								.4	10.0
CALM												30.4	
	33.0	14.0	11.4	5.4	1.0							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 337

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 27 TOPPEJON AB SP STATION NAME 73-81 YEARS 007  
ALL WEATHER NORTH 1970-1177  
 CLASS HOURS (LST)  
 CONDITION

SPEED KNTS. 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	1.7	.4	.2	1.4	.4							3.3	9.4
NNE	1.9	1.1	.7	1.0	.1							4.7	6.4
NE	4.7	1.9	.5	1.2								6.2	4.0
ENE	1.3	3.9	.5	.5								10.2	3.7
E	7.6	3.2	.5	.2								11.6	3.7
ESE	1.4	.4										1.3	2.2
SE	1.2	.4	.1									1.4	3.7
SSE	1.1	.1	.7	.4								2.3	5.5
S	1.9	1.3	2.3	.6	.1							6.1	6.5
SSW	1.4	2.3	2.3	.8								6.6	6.1
SW	.5	.6	2.7	1.0								4.1	6.3
WSW	.3	.7	.8	.8	.1							3.3	7.8
W	.2	1.3	1.6	.5								3.2	7.0
WNW	.1	.5	.0	.7								1.9	9.3
NW	.2		.1	.1		.1						.6	10.4
NNW	.1	.2	.6	.4	.1							1.4	9.6
VARBL		.4	1.0	.6	.1	.1						2.2	10.7
CALM												20.1	
	31.1	18.3	14.2	10.2	1.0	.2						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 637

2

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: TORPEJON AB SP      YEARS: 73-81      MONTH: OCT  
 CLASS: ALL WEATHER      HOURS: 1200-1400  
 CONDITION:

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.1	1.7	1.9	.7							4.4	10.3
NNE	1.7	.5	.7	1.4	.4							3.9	9.1
NE	1.0	1.7	1.7	.4	.1							3.3	6.5
ENE	.8	1.2	1.1	.7								3.6	7.0
E	1.9	1.3	.7	.1								4.1	4.3
ESE	2.7	.7	.1	.1								3.9	3.3
SE	1.4	.6	.1	.5								2.6	4.8
SSE	3.6	1.1	1.1	.4								5.1	4.5
S	6.5	3.0	2.0	1.0	.2							17.7	4.9
SSW	3.3	3.9	2.7	1.1	.1							11.2	5.9
SW	5.7	3.1	2.7	1.7	.1							9.7	7.2
WSW	1.2	2.3	1.2	1.4	.7							6.8	8.3
W	1.0	.7	1.3	.7								4.5	6.4
WNW	.6	.2	.4	1.1	.2							2.5	9.6
NW	.4	.1	.4	.5	.1							1.4	9.8
NNW	.0	.1	.8	.5	.1							2.2	8.2
VARBL		.7	3.1	2.4	.5							5.7	10.5
CALM												11.2	
	28.1	21.6	20.4	15.8	2.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 27 TORREJUN AB SP STATION NAME 73-61 YEARS OCT MONTH 1970-1970 (MOUSEL & Y.)  
 CLASS ALL WEATHER  
 CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.7	1.3	7.7	.7	.2						7.1	11.1
NNE	.7	.5	.6	1.1	.4	.1						3.5	9.7
NE	.2	.3	.8	.4		.1						2.4	7.5
ENE	.6	1.7	.6	1.7	.1							3.2	5.0
E	1.1	.7	.6	.1								2.5	5.0
ESE	1.2	.1										1.3	2.3
SE	1.4	.6	.1	.6								2.8	5.3
SSE	1.2	.5	.8	1.6	.1							4.3	6.5
S	3.5	2.6	1.9	.7	.1							6.9	5.3
SSW	4.5	3.3	1.6	1.1								10.5	5.4
SW	2.4	3.6	4.1	1.9	.2							12.2	6.9
WSW	2.5	3.2	2.4	2.3	1.0							10.9	8.1
W	2.4	1.5	1.9	1.6								7.4	6.7
WNW	.2	.6	1.1	1.2	.2							3.3	10.4
NW	.5	.5	.6	.7								2.3	7.8
NNW	.6	.6	.6	.2	.1							2.2	7.3
VARBL	.1	.4	3.2	2.3	.5							6.5	10.4
CALM												6.9	
	23.2	22.1	22.2	19.6	3.5	.5						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 836

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 2701 TORREJON AB SP STATION NAME: 73-81 YEARS: OCT MONTH: 1977-0100 HOURS: 0100  
CLASS: ALL WEATHER  
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	2.2	3.2	2.6	3.0	.5							12.2	7.3
NNE	2.0	1.8	1.4	.4								6.5	4.4
NE	1.6	1.1	.8	.4								7.5	5.6
ENE	.8	.5	.5	.2								2.4	5.5
E	.4	.5	.5									1.3	6.2
ESE	.5	.2	.2	.1								1.1	5.1
SE	.1	.4	.5	.5	.2							1.7	10.1
SSE	.8	1.3	.6	.4	.4							3.5	7.2
S	1.1	1.2	1.1	.6								3.9	6.4
SSW	.7	1.2	1.0	.8	.1							4.5	7.2
SW	2.3	1.3	1.7	.6								6.3	5.8
WSW	3.3	2.2	3.5	.8	.2							11.0	6.2
W	3.3	1.7	2.3	1.4								11.7	6.1
WNW	1.7	1.2	.4	.8	.1							4.2	5.9
NW	.8	.7	.7	.2								2.5	5.4
NNW	1.4	1.4	.1	.5	.1							3.9	5.0
VARBL			.2	.4								.6	11.4
CALM												22.8	
	25.0	21.4	18.0	11.1	1.7							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 27 TORREJON AFB SP STATION NAME 73-81 YEARS OCT MONTH 2100-2300 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	5.3	2.2	2.7	1.1								12.5	5.1
NNE	7.0	3.7	1.6	.4								17.7	3.9
NE	4.3	3.3	1.0	.2								8.3	4.1
ENE	7.2	1.9	.5	.2								9.3	4.3
E	.1	.4	.2	.1								.8	7.3
ESE	.6	.1										.7	2.3
SE	.6	.4	.1		.1							1.2	4.9
SSE	.2	.7	.7	.5	.6	.1						2.9	11.7
S	1.7	.0	1.4									3.2	5.8
SSW	.8	1.3	1.6	.2								3.9	6.7
SW	.5	2.7	1.5	.5								4.5	5.5
WSW	.8	.5	1.9	.7								3.9	7.9
W	.7	1.3	1.1	.6								3.7	6.6
WNW	.6	1.1	1.1	.5								3.2	7.3
NW	.5	.1	.4			.1						1.1	7.2
NNW	1.7	.8	.5	.1								3.1	4.2
VARBI	.2	.1	.5	.1	.1							1.1	8.4
CALM												29.7	
	27.1	20.8	16.0	5.3	.8	.7						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 837



1  
2

GLOBAL CLIMATOLOGY BRANCH  
AFSTAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

27  
STATION

TORREJON AB SP

STATION NAME

73-81

YEARS

007  
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	2.6	1.6	1.2	1.8	.4	.0						7.5	7.2
NNE	4.5	1.9	.9	.7	.1	.0						5.2	4.5
NE	4.0	2.2	.8	.4	.7	.0						7.5	4.7
ENE	3.1	2.1	.5	.4	.0							6.1	4.2
E	1.9	1.1	.4	.1								3.6	4.0
ESE	.9	.3	.1	.0								1.2	3.1
SE	.7	.4	.2	.2	.0							1.4	5.4
SSE	1.0	.6	.6	.5	.1	.1						2.9	7.2
S	2.0	1.9	1.6	.4	.1							5.8	5.7
SSW	1.6	2.2	1.9	.7	.0							6.3	6.3
SW	1.2	1.8	2.0	.9	.0							5.9	6.9
WSW	1.7	1.3	1.6	1.0	.3							5.5	7.5
W	1.3	1.0	1.4	.8	.1	.0						4.6	6.9
WNW	.5	.6	.6	.6	.1	.0						3.3	8.7
NW	.6	.3	.3	.2	.0	.0						1.5	6.6
NNW	1.7	.6	.4	.2	.1	.0						2.3	5.5
VARBL	.1	.2	1.1	.8	.1	.0						2.3	10.4
CALM												24.7	
	28.1	19.9	15.7	9.9	1.5	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

6695

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 27 TORREJON AB SP STATION NAME 73-81 YEARS NOV  
 CLASS ALL WEATHER MONTH NOV  
 HOURS 000-2400  
 CONDITION \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.1	1.9	2.2	1.5	.2	.1						12.0	5.8
NNE	7.9	3.6	1.1	.7	.1							17.3	4.0
NE	9.8	4.3	.7	.6								15.4	3.5
ENE	4.4	2.5	.5									7.4	3.4
E	1.6	1.7										2.6	3.1
ESE	.2	.2	.1									.6	4.5
SE	.1	.3										.4	4.7
SSE	.2	.1	.2									.6	4.8
S	.6	.5	.6	.4								2.0	6.6
SSW	.4	.6	.7									1.7	5.6
SW	.5	.5	1.7	.5								2.5	7.5
WSW	.6	.3	.4	.1								1.4	5.4
W	.0	.5	.7	.4								1.2	5.6
WNW	.2	.1		.1								.5	5.3
NW	.2	.1	.1	.2								.7	5.0
NNW	1.2	.5	.1	.1								2.0	3.9
VARBL													
CALM												34.7	
	34.7	16.8	8.6	4.7	.4	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 817

JOURNAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 0127      STATION NAME: FORT JON A. SP      YEARS: 73-81      MONTH: NOV  
 CLASS: ALL WEATHER      MONTHLY: 730-1500  
 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	4.2	1.5	1.0	1.2	.4							5.8	5.6
NNE	2.5	1.0	1.5	.5								12.4	3.2
NE	1.4	2.1	1.0	.4								11.0	3.5
ENE	4.3	2.4	.2	.1								7.1	3.4
E	2.4	.6	.1									3.1	2.7
ESE													
SE	.5		.1									.6	3.4
SSE	.5	.1	.4									.7	5.7
S	.2	1.2	.1	.2								1.9	6.2
SSW	.1	.5	1.3									2.5	6.8
SW	.7	1.0	1.1	.2								3.1	6.4
WSW	.4	.2										.6	2.8
W	.4	.4	.7	.5								2.0	7.0
WNW		.1	.2	.4								.7	11.2
NW	.4	.1	.1	.2								.9	6.7
NNW	.7	.5	.5	.1								1.9	6.1
VARBL				.1								.1	11.2
CALM	X											42.7	
	32.1	12.6	8.2	4.1	.4							100.0	2.5
TOTAL NUMBER OF OBSERVATIONS												808	

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: ARRAJON AB SP STATION NAME: ARRAJON AB SP YEARS: 77-81 MONTH: NOV  
 CLASS: ALL WEATHER HOURS PER DAY: 600-0600  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	5.7	1.2	.9	2.3	.1							1.9	6.1
NNE	1.4	2.3	1.1	.7								10.1	3.6
NE	7.7	1.2	.2	.5								9.6	3.1
ENE	7.7	1.4	.2									5.3	2.9
E	2.1	1.1										3.1	2.3
ESE	.1											.1	2.7
SE	.1	.1	.1									.4	4.7
SSE	.4	.4										.8	3.7
S	.4	.7	.4	.5								2.0	7.2
SSW	.7	1.7	.7	.5								2.7	5.8
SW	.9	.9	.5	.4								2.6	5.3
WSW	.7	.7	.1	.4								1.6	3.8
W	.4	.4	.5	.4								1.6	7.3
WNW	.1		.1									.2	5.5
NW	.1	.4	.2									1.2	4.7
NNW	.9	.4	.4	.1								1.7	4.8
VARBL			.4	.2								.6	10.7
CALM												41.6	
	34.2	12.5	5.9	5.7	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 81

U.S. NAVAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20360  
 U.S. WEATHER SERVICE ZMAC

# SURFACE WINDS

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

STATION: 73-1 STATION NAME: 73-1 YEARS: 1964-1977  
 CLASS: ALL WEATHER MONTH: 4-12  
 CONDITION: ALL WEATHER HOURS: 0-24

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	.4	.5	2.2	.9	.1						5.7	1.4
NNE	.2	1.5	.7	.4								6.4	3.2
NE	.2	1.7	.7	.7	.2							11.1	4.0
ENE	3.1	2.8	.4	.4								9.5	3.4
E	5.7	2.1	1.2	.1								35.5	3.5
ESE	1.4	.1										1.7	1.9
SE	.7		.2									1.1	3.7
SSE	.1	.1	.1									1.4	2.4
S	1.2	1.1	.4	.5	.2							7.3	6.5
SSW	.2	1.1	1.2	.2								3.5	5.3
SW	.4	.4	1.2	.2								2.2	7.5
WSW	.4	.4	.2	.6								1.5	8.1
W	.4	.5	.1	.4								1.4	6.5
WNW	.5	.5	.1	.2								1.4	5.5
NW	.1	.2	.1	.2								.5	5.8
NNW	.1	.1		.2								.9	5.9
VARBL			.4	.2								.5	10.5
CALM												40.1	
	52.5	11.9	7.5	6.5	1.4	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 810

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION

CORRECTION A: 60

STATION NAME

73-81

YEARS

NOV  
 MONTH

ALL WEATHER  
 CLASS

1200-1400  
 HOURS (LST)

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	.2	.4	1.2	1.9	1.2	.5						6.4	11.1
NNE	1.2	1.1	.7	.6	.4							3.5	7.1
NE	1.2	.5	.9	1.4	.1							4.3	7.2
ENE	.7	3.2	.4	.5								7.0	4.7
E	3.6	.7	.4									5.1	1.7
ESE	1.3	.3										3.2	2.6
SE	1.1			.1								1.2	3.7
SSE	.7	.6	.4									3.5	2.9
S	5.9	1.1	1.2	.4	.4							4.1	4.4
SSW	3.3	2.5	.8									4.3	4.3
SW	2.7	2.3	1.4	1.1	.1	.1						7.8	6.4
WSW	1.6	1.4	1.1	.2								4.3	5.3
W	.7	.4	.6	.5	.2							1.5	6.0
WNW	.1	.4		.2	.4							1.1	11.1
NW	.4	.6	.2									1.2	5.1
NNW	.7	.4	.4	.6	.2							2.3	6.5
VARBL		.2	1.5	1.1								2.6	7.8
CALM												3.0	
	3.1	16.7	11.1	9.3	7.1	.7						17.1	4.4

TOTAL NUMBER OF OBSERVATIONS

31

ALBUQUERQUE BRANCH  
 STATION NUMBER 73-81

### SURFACE WINDS

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

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_  
 CLASS ALL WEATHER MONTH \_\_\_\_\_  
 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	1.0	1.2	4.1	.7	.2	.	.	.	.	.	1.9	11.3
NNE	.1	1.2	1.2	.7	.1	.	.	.	.	.	.	4.4	7.0
NE	1.5	1.2	1.2	1.7	.1	.	.	.	.	.	.	.7	7.0
ENE	1.2	.7	.7	.6	.	.	.	.	.	.	.	1.3	5.3
E	1.4	.7	.7	.7	.	.	.	.	.	.	.	2.8	4.4
ESE	.7	.1	.1	.	.	.	.	.	.	.	.	1.0	2.5
SE	.4	.	.	.	.	.	.	.	.	.	.	.4	2.7
SSE	1.7	.4	.4	.	.	.	.	.	.	.	.	2.2	4.4
S	.7	1.7	.7	.4	.	.	.	.	.	.	.	7.2	3.7
SSW	.4	.7	1.2	.7	.	.	.	.	.	.	.	10.5	4.1
SW	.4	7.7	2.3	.9	.2	.1	.	.	.	.	.	11.4	5.5
WSW	.1	1.7	2.1	.7	.	.	.	.	.	.	.	7.7	1.4
W	.4	1.2	.7	.4	.1	.	.	.	.	.	.	1.3	5.1
WNW	.	.7	.4	1.6	.4	.	.	.	.	.	.	1.1	11.1
NW	.4	.7	.1	.6	.1	.	.	.	.	.	.	1.2	10.7
NNW	.4	.7	.6	1.1	.	.	.	.	.	.	.	1.2	9.5
VARBL	.	.1	.9	.7	.	.	.	.	.	.	.	1.7	9.1
CALM	.	.	.	.	.	.	.	.	.	.	.	1.4	.
TOTAL	1.0	17.7	14.7	13.6	1.9	.4	.7	.	.	.	.	100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 817

STATION NUMBER 73-81

FEDERAL BUREAU OF SURVEY  
 WASHINGTON, D.C. 20540  
 DISTRICT OFFICE - SEATTLE/TACOMA

# SURFACE WINDS

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

STATION NAME: SEATTLE, WA STATION NUMBER: 77-91 YEARS: 1977-1981  
 CLASS: ALL WEATHER MONTH: ALL MONTHS  
 CONDITION: ALL HOURS: ALL

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	.4	1.7	2.6	2.8	.2	.2	.1					1.1	7.0
NNE	.6	3.0	2.0	.2								5.8	1.0
NE	.7	1.8	2.1	.2								1.6	6.1
ENE	.7	.9	.5	.7								1.8	2.1
E	.2	.4										1.4	2.0
ESE	.2											.1	1.0
SE	.2	.1	.3	.1								.6	7.0
SSE	.2	.9	.1									.7	4.3
S	.7	1.1	.2	.1								2.2	4.0
SSW	1.2	1.6	.5	.1								1.5	4.0
SW	1.6	1.2	.7	.9								4.4	6.4
WSW	1.7	.8	.4	.1	.1							1.7	4.2
W	1.1	.7	1.4	.5	.2							4.4	5.2
WNW	.9	.1	.6	.6	.1							1.7	7.6
NW	1.4	.1	.6	.4								2.8	4.6
NNW	1.1	2.1	1.2	.4								1.8	4.4
VARBL		.1	.1	.1								.4	5.7
CALM												1.1	
TOTAL	2.3	11.7	12.3	6.5	1.4	.2	.1					16.7	3.4

TOTAL NUMBER OF OBSERVATIONS: 61



AL CLIMATOLOGY BRANCH  
 AF TAC  
 WEATHER SERVICE/AMC

**SURFACE WINDS**

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

STATION: 100 JUN A-5P STATION NAME: ALL WEATHER YEAR: 77-81 MONTH: NOV  
 CLASS: ALL WEATHER MONTH: NOV  
 CONDITION:

SPEED KNOTS L 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	3.0	2.6	1.6	0.2							1.7	5.7
NNE	7.7	5.7	1.4	0.6	0.5							11.5	4.4
NE	6.1	4.7	1.2	0.9								11.9	4.6
ENE	0.3	2.0	0.2									4.6	1.7
E	1.0	0.2	0.1									1.3	2.5
ESE	0.1	0.2										0.4	4.0
SE	0.2		0.1	0.2								0.5	7.0
SSE	0.2	0.4										0.9	3.4
S	0.5	0.4	0.1	0.4								1.7	5.4
SSW	0.2	0.2	1.2	0.2								2.6	6.9
SW	0.4	0.2	0.3	0.1								2.3	5.5
WSW		1.0	0.6	0.4								2.0	7.3
W	0.2	0.6	0.1	0.4								1.4	6.9
WNW	0.2	0.2	0.4	0.5								1.4	5.1
NW	0.1	0.4		0.1	0.1							1.7	4.4
NNW	0.6	0.6	0.6									1.9	4.3
VARBL			0.1									0.1	0.0
CALM												3.4	
	7.3	21.4	7.4	5.4	0.6							11.7	5.0

TOTAL NUMBER OF OBSERVATIONS 829

FEDERAL CLIMATOLOGY BRANCH  
 U.S. DEPT. OF AGRICULTURE  
 AIR WEATHER SERVICE / MAC

**SURFACE WINDS**

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

STATION: EDPREJON A-CP YEARS: 77-81 MONTH: NOV  
 STATION NAME: \_\_\_\_\_ CLASS: ALL WEATHER NORTH: \_\_\_\_\_  
 ALL WEATHER CLASS: \_\_\_\_\_ ALL: \_\_\_\_\_  
 CONDITION: \_\_\_\_\_ HOURS - U.S.T.: \_\_\_\_\_

SPEED KNTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.7	1.7	1.5	2.2	.5	.2	.1					13.2	7.4
NNE	5.3	2.6	1.2	.6	.1							10.7	4.4
NE	3.2	2.1	1.7	.7	.1							9.3	4.4
ENE	3.3	1.9	.4	.2								5.3	3.6
E	2.4	.5	.3	.2								3.6	3.7
ESE	.7	.5	.1									.9	2.7
SE	.4	.1	.1	.1								.6	4.2
SSE	.3	.3	.3									1.3	3.7
S	1.7	1.5	.4	.4	.1							3.5	5.1
SSW	1.8	1.5	.9	.2								4.4	5.0
SW	1.5	1.7	1.1	.5	.1	.1						4.5	6.0
WSW	1.1	.8	.6	.3	.2	.1						2.8	6.5
W	1.1	.6	.6	.4	.1							2.7	6.7
WNW	.7	.7	.2	.5	.1							1.4	6.4
NW	.6	.3	.2	.2	.7							1.4	6.6
NNW	.5	.7	.5	.3	.7							2.4	5.7
VARBL		.1	.4	.3								.8	9.7
CALM												34.6	
	11.0	16.2	9.9	7.0	1.1	.2	.1					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 6477

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE DIVISION

**SURFACE WINDS**

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

STATION: 10CR-JUN-AR-SP STATION NAME: 73-91 YEARS: 73-91  
 CLASS: ALL WEATHER MONTH: DEC  
 CONDITION: \_\_\_\_\_

SPEED KNTS DIR	1-3	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	1.4	1.7	.8	.7	.1						1.2	6.1
NNE	7.4	4.4	1.6	.2	.1							11.7	4.4
NE	5.2	3.7	3.0	.7	.2							13.4	5.7
ENE	7.6	2.7	.6	.2								6.5	7.9
E	1.1	1.1	.1									2.3	3.3
ESE	.1	.5	.1									.7	4.5
SE	.4	.1										.5	3.5
SSE	.1	.2	.2	.5								1.1	4.1
S	.9	1.1	1.2	.6								5.3	7.4
SSW	.7	1.7	1.4	1.1	.1							4.6	8.3
SW	.6	1.4	1.3	1.4	.1							4.9	6.5
WSW	1.1	.7	1.1	2.2	1.4							6.5	11.1
W	.6	.6	.6	.8	.2							2.9	7.7
WNW	.5	.4	.1	.2	.1							1.3	7.1
NW	.7	.1	.1									.7	3.7
NNW	1.5	.1	.1	.2	.1							2.2	4.7
VARBL			.1	.1								.2	11.7
CALM												25.9	
	25.6	20.1	13.4	9.2	2.7	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 837

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: TORREJON AB SP      YEARS: 73-81      DES: NORTH

CLASS: ALL WEATHER      NO. OBS: 837

CONDITION:

SPEED KNTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	2.0	1.0	.7	.5							4.4	3.5
NNE	5.7	3.5	1.4	.5	.1		.1					10.9	4.5
NE	5.7	2.6	1.7	.4	.5							11.1	4.4
ENE	3.4	2.3	.5		.1							8.3	4.4
E	1.6	.9	.2									2.0	4.0
ESE	.4	.5	.1									1.1	4.0
SE	.2											.2	2.0
SSE	.5	.6	.2	.2								1.6	6.4
S	.5	.3	1.5	.7		.2						3.9	6.1
SSW	.4	1.3	2.2	1.1								4.9	8.0
SW	.5	.6	2.3	1.8								.3	8.7
WSW	.2	.5	1.8	2.3	.5	.1						1.5	10.0
W	.5	.2	.8	.7	.1							2.4	8.8
WNW	.4		.1	.4		.1						1.0	7.5
NW	.1	.1										.2	3.5
NNW	.6	.1	.1									.3	3.7
VARBL			.1	.2								.4	12.7
CALM												33.1	
	26.4	15.3	13.4	9.0	2.0	.2	.1					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 837

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WASHINGTON FIELD SERVICE/MAO

**SURFACE WINDS**

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

STATION 27 THROUGH AB SP STATION NAME 73-81 YEARS DEC MONTH 6 1950-1951 HOURS 12.5  
 CLASS ALL WEATHER  
 CONDITION

SPEED KNOTS D-R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	1.7	1.7	.8	.1							5.1	3.0
NNE	3.6	2.4	1.7	.6	.1							11.4	4.4
NE	3.6	2.6	1.2	.2	.4							5.3	5.1
ENE	4.3	1.7	.5	.1								5.9	3.3
E	1.3	.7										1.0	3.1
ESE	.7	.2										1.0	2.6
SE		.1										.1	4.7
SSE	.1	.7										.8	4.0
S	.8	.7	1.6	1.3	.2	.1						4.8	9.3
SSW	.1	1.1	2.3	1.9								5.6	8.7
SW	.1	1.1	1.2	1.1								3.2	6.3
WSW	.2	.7	2.7	2.2	.5							5.6	10.5
W	.2	.4	.8	.7								2.7	7.4
WNW	.4	.1	.4	.5	.4	.1						1.8	11.6
NW	.7	.5										1.2	3.1
NNW	1.1	.5										1.6	2.9
VARBL		.1	.2									.4	6.7
CALM												35.8	
	21.3	14.6	12.9	9.4	1.7	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 837

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 271 TORRELUON AB SP STATION NAME 73-81 YEARS DEC  
 CLASS ALL WEATHER MONTH 9-12-11  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.4	.7	.6	.1							5.0	5.3
NNE	3.3	2.3	.7	.6	.2							7.6	4.8
NE	3.8	2.3	1.7	1.4	.2							9.1	5.9
ENE	3.7	2.9	.6	.8	.1							6.1	4.8
E	3.9	1.8	.2									4.1	3.1
ESE	1.1	.1										1.2	2.0
SE	.4	.1	.1									.6	3.5
SSE	.4	.6										1.0	3.8
S	1.3	1.2	1.3	1.0	.4							5.1	7.7
SSW	1.0	1.1	3.6	1.1	.1							5.8	7.0
SW	.4	1.9	1.2	1.3								3.8	9.7
WSW	.7	.4	1.3	2.9	.4							5.6	11.0
W	.3	.1	.4	1.9	.1	.1						2.9	12.7
WNW	.4	.1	.5	.5	.2	.5						2.2	13.4
NW	.5											.5	2.3
NNW	.5	.4										.3	3.1
VARBL			.4	.1								.5	9.2
CALM												35.1	
	27.1	14.8	12.3	12.2	1.9	.6						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 837

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

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

STATION: 277 TORPEJON AB SP STATION NAME: 73-81 YEARS: DEC  
 CLASS: ALL WEATHER MONTH: 1220-1400  
 HOURS (L.S.T.):  
 CONDITION:

SPEED KNTS: D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.1	.7	1.3	.7							3.5	10.9
NNE	1.7	1.1	.2	.7	.5	.1						4.3	7.7
NE	1.2	1.1	1.2	2.9	.2	.1						5.7	9.6
ENE	1.8	1.7	1.3	1.8	.4							6.9	7.8
E	4.1	1.7	.8									6.6	3.7
ESE	1.1	1.0										2.0	3.1
SE	1.1	.5										1.6	2.3
SSE	1.1	.2	.5	.2								2.3	5.3
S	2.9	1.3	2.7	.1	.6							6.9	6.1
SSW	2.2	1.9	2.3	1.6	.5	.1	.1					8.6	8.1
SW	1.7	1.7	2.6	2.6	.5			.2				9.3	9.4
WSW	1.6	.7	1.2	3.8	1.1	.1						8.5	10.9
W	.6	.1	.5	1.0	.7	.1						3.0	12.2
WNW	.4	.4	.4	.2	.4	.7						2.4	13.2
NW		.1	.1	.2								.5	11.3
NNW	.4		.2	.2	.2							1.1	9.7
VARBL	.1		.2	.4	.4	.1						1.2	14.2
CALM												24.4	
	22.6	13.7	14.3	17.1	6.1	1.4	.1	.2				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 837

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION TPPREDJON AB SP STATION NAME TPPREDJON AB SP YEARS 73-81 MONTH DEC  
 CLASS ALL WEATHER HOURS L & T 15 0-1700  
 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	.8	1.1	2.3	1.1		.1					7.0	10.1
NNE	.7	1.7	.6	1.2	.1							3.6	6.5
NE	.2	1.2	1.6	1.8	.1							4.9	9.2
ENE	.4	.8	2.6	1.1	.4							5.3	9.1
E	1.1	1.1	.1									2.3	3.6
ESE	1.1	.4										1.3	2.9
SE	1.1	.1	.1									1.2	2.6
SSE	1.3	1.2	.6	.2								3.3	4.8
S	3.7	2.7	.6	1.0	.1	.1						7.6	5.5
SSW	5.3	2.4	2.0	2.3	.4							12.3	6.3
SW	3.7	2.4	2.6	2.2	.2	.1	.2					11.5	7.5
WSW	2.0	1.3	1.9	3.2	1.2	.2						10.8	9.5
W	1.7	.5	.7	1.3	1.1							5.4	9.7
WNW	.5	.2	.6	.5	.4	.4						2.5	12.0
NW	.6	.1	.2	.6	.1							1.7	9.1
NNW	.6	.4	.2	.5	.1							1.8	7.7
VARBL		.1	.6	.6								1.3	10.3
CALM												16.4	
	26.2	16.1	16.2	16.6	5.3	.2	.4					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 637



2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MBC

**SURFACE WINDS**

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

STATION 27 TORREJON AB SP STATION NAME 73-81 YEARS MONTH DEC 1973-1977 HOUSE NO. 11  
CLASS ALL WEATHER  
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	3.0	2.9	2.5	.5	.1						14.7	3.6
NNE	3.6	2.4	1.3	.1								7.6	4.3
NE	1.3	2.2	2.7	.7								6.2	6.2
ENE	1.9	1.1	.6	.1	.2							3.9	5.3
E	.5	.5	.1									1.4	3.7
ESE	.5	.1										.6	2.5
SE	.1	.1	.4									.6	3.5
SSE	.7	.4	.1	.2								1.4	5.1
S	.6	1.3	.4	.6	.2							3.3	6.9
SSW	1.4	1.4	2.7	1.2	.1							6.2	7.1
SW	1.4	1.3	2.7	2.7	.4							7.6	8.3
WSW	1.6	1.7	1.5	2.3	1.1	.2						7.9	10.3
W	.7	.4	1.1	1.2	.4							3.7	10.0
WNW	.2	.4	.8	.6	.1							2.2	9.1
NW	1.3	.4	.1			.1						1.9	4.6
NNW	1.3	1.2	.1	.4	.1							3.1	5.5
VARBL		.1	.1		.1							.4	11.0
CALM												27.1	
	22.9	15.4	15.9	11.9	3.2	.5						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 637

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAO

**SURFACE WINDS**

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

STATION: 10000000 NAME: 10000000 YEARS: 77-81 MONTH: DEC  
 CLASS: ALL WEATHER HOURS U.S.T.: 17-2010  
 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	7.6	2.6	2.0	1.7								3.4	5.4
NNE	4.9	5.7	1.3	.4	.1	.2						10.7	4.9
NE	3.6	3.5	1.4	.6								9.1	4.3
ENE	1.9	1.3	.7	.2								4.7	4.1
E	1.7	.0		.1								3.0	3.3
ESE	.4	.4	.7									1.3	4.3
SE	.1	.4	.1									.6	4.2
SSE	.7	.1	.4	.2								1.7	3.5
S	.8	1.1	.5	.6	.1							2.9	7.3
SSW	1.7	1.1	2.4	.7	.2							5.7	7.3
SW	.7	1.7	2.5	1.3	.2							5.7	6.9
WSW	.9	1.7	1.7	1.7	.6							7.1	9.4
W	.7	.5	.7	.7	.2							3.9	8.3
WNW	.5	.1	.2		.1							1.0	6.6
NW	.5	.7	.1	.1								1.8	4.6
NNW	1.4	.7	.1	.6								3.9	5.6
VARBL			.8	.1	.1							1.8	10.6
CALM												7.7	
	22.6	21.0	15.1	9.6	1.8	.7						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
ALL WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 27 TREFUN AB SP STATION NAME 73-91 YEARS 02 MONTH ALL DAY ALL WEATHER 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	6	MEAN WIND SPEED
N	3.1	1.4	1.4	1.3	.4	.	.	.	.	.	.	2.1	6.7
NNE	3.1	2.8	1.1	.5	.2	.	.	.	.	.	.	2.7	1.0
NE	2.2	2.4	1.6	1.1	.2	.	.	.	.	.	.	2.6	4.1
ENE	2.5	1.7	.9	.6	.1	.	.	.	.	.	.	2.9	5.7
E	1.7	.9	.2	.	.	.	.	.	.	.	.	1.9	1.8
ESE	.6	.4	.1	.	.	.	.	.	.	.	.	1.2	1.3
SE	.4	.	.1	.	.	.	.	.	.	.	.	.7	1.4
SSE	.6	.7	.3	.2	.	.	.	.	.	.	.	1.6	5.7
S	1.4	1.2	1.1	.7	.2	.	.	.	.	.	.	4.7	7.1
SSW	1.5	1.5	2.3	1.4	.2	.	.	.	.	.	.	2.7	7.7
SW	1.1	1.4	1.9	1.7	.2	.	.	.	.	.	.	2.4	8.2
WSW	1.7	.3	1.6	2.6	.9	.1	.	.	.	.	.	2.2	10.3
W	.7	.4	.7	1.0	.4	.	.	.	.	.	.	1.2	9.7
WNW	.4	.	.4	.4	.2	.	.	.	.	.	.	2.8	11.2
NW	.5	.	.1	.1	.7	.	.	.	.	.	.	1.7	1.8
NNW	.2	.1	.1	.2	.1	.	.	.	.	.	.	1.4	3.4
VARBL	.	.	.7	.2	.1	.	.	.	.	.	.	.5	11.3
CALM	.	.	.	.	.	.	.	.	.	.	.	21.9	
	24.3	16.4	14.2	12.0	3.1	.5	.1	.2	.	.	.	122.7	4.9

TOTAL NUMBER OF OBSERVATIONS 6696

NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 AIR FORCE WEATHER SERVICE/MAA

# SURFACE WINDS

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

STATION: TRIPOLI AB STATION NAME: TRIPOLI YEARS: 77-81 ALL MONTH: ALL  
 ALL WEATHER: ALL ALL MONTHS: ALL  
 CLASS: CLAS MONTHS: ALL  
 CONDITION: COND

SPEED KMPH MPH	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3	1.5	1.5	.5	.1	.1					.4	7.1
NNE	1.1	1.3	1.5	.6	.1							.3	5.1
NE	1.7	2.4	1.6	.9	.1							.5	5.5
ENE	1.6	2.2	1.7	.5	.1							.2	5.5
E	1.1	1.3	.4	.1	.5							.7	4.2
ESE	.7	.1	.1	.6	.7							.5	3.5
SE	.1	.4	.8	.1	.7							.3	4.6
SSE	.1	.2	.3	.2	.5							.1	5.1
S	1.1	1.7	1.4	.7	.1	.5						.7	5.7
SSW	1.5	2.1	1.7	.7	.1	.5						.1	5.7
SW	1.2	1.3	1.9	1.1	.1	.7	.2					.1	7.1
WSW	.2	1.1	1.6	1.2	.7	.7	.2	.2				.7	7.8
W	.1	1.2	1.1	.7	.1	.7	.7	.2				.2	7.7
WNW	.1	.7	.5	.4	.1	.7	.7	.2				.1	7.2
NW	.1	.1	.2	.2	.7	.7	.7	.2				.5	5.7
NNW	1.1	.7	.3	.7	.1	.7	.7	.2				.3	5.7
VARR	.1	.4	2.4	1.2	.1	.7	.7	.2				.3	4.4
CALM												22.6	
TOTAL	27.9	22.2	17.7	9.8	1.6	.3	.7	.7				17.7	4.2

TOTAL NUMBER OF OBSERVATIONS: 7714

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGICAL BRANCH  
 WASHINGTON, D. C. 20540  
 METEOROLOGICAL SERVICE VIZ/MAO

# SURFACE WINDS

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

STATION: 77-01      YEAR: JUN 1960      YEARS: ALL MONTHS  
 STATION NAME:      CLASS: ALL HOURS C.S.T.  
 INSTRUMENT:      CONDITION:      HOURS C.S.T.  
 CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
 AND/OR VSBY 1/2 TO 3-1/2 MI W/CIG 200 FT OR MORE

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.7	.1	.1								1.4	2.7
NNE	2.4	.7	.1	.1								1.5	3.1
NE	1.7	.5	.1	.2	.7							1.7	4.4
ENE	1.7	.5	.1	.1	.7							1.8	4.4
E	1.2	.6	.1		.7							1.4	3.4
ESE	1.7	.7			.7							1.5	3.2
SE	.4	.1										.4	2.3
SSE	.7	.4	.2	.1								1.2	4.1
S	.1	2.7	1.7	.5	.1							5.3	5.7
SSW	2.4	5.7	5.5	2.7	.1	.1						11.7	7.1
SW	1.7	3.7	5.1	1.2	.2	.2						11.3	8.7
WSW	2.0	1.2	2.6	2.3	.5							7.5	7.7
W	1.1	.4	.5	.6								2.6	6.6
WNW	.1	.7	.2	.7								.8	7.2
NW	.4	.7	.1	.7								.5	4.5
NNW	.6	.7	.1	.7								1.1	2.6
VARBL			.4	.2	.2							.6	1.1
CALM												71.7	
	22.7	17.7	16.6	9.9	1.3	.1						17.3	4.3

TOTAL NUMBER OF OBSERVATIONS 2463

UNOFFICIAL FROM JUL 64

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

#### ADDITIONAL EXAMPLES

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

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

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

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

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



ALABAMA CLIMATOLOGY SERVICE  
MONTGOMERY, ALABAMA  
WEATHER SERVICE/1310

# CEILING VERSUS VISIBILITY

MO: 1964 JUN 4 12

73-61

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0100

57.4	57.7	58.5	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.7
59.1	57.1	58.5	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.7
59.7	57.4	59.7	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.9
59.7	57.4	60.7	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.9
59.7	57.8	60.8	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	62.1
59.7	57.7	61.3	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.1
57.3	57.4	61.1	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.7
61.3	63.3	67.3	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9	68.1
65.7	66.5	70.2	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.3
66.7	67.2	70.3	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	72.3
66.7	67.2	70.9	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	72.3
66.4	67.3	71.3	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.7
67.7	68.2	71.9	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	73.1
69.1	69.6	73.3	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.5
73.3	74.2	79.3	79.7	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.9
73.3	77.3	82.3	83.0	83.4	83.7	83.7	83.7	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.7
79.1	80.2	85.5	86.2	86.6	86.9	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.4
79.3	80.6	85.8	86.6	87.0	87.4	87.4	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.9
81.5	82.7	86.4	89.2	89.5	90.2	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.7
82.3	84.2	89.9	91.7	91.1	91.7	91.8	91.8	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.3
83.7	84.7	90.8	91.6	92.3	92.6	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.2
83.7	85.1	91.3	92.1	92.5	93.1	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.8
84.1	85.4	91.7	92.5	92.9	93.5	93.6	93.6	93.8	93.8	93.8	93.9	93.9	93.9	93.9	94.1
84.9	86.7	93.4	94.1	94.5	95.2	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.8
84.3	86.4	94.3	94.8	95.2	95.8	95.9	95.9	96.3	96.3	96.3	96.2	96.2	96.2	96.2	96.4
84.3	86.4	94.9	95.7	96.3	96.7	96.8	96.8	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.4
84.8	86.4	94.9	95.7	96.2	96.8	97.1	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	98.0
84.3	86.4	94.7	95.8	96.3	97.3	97.6	97.8	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.7
84.8	86.4	94.9	95.8	96.3	97.3	97.6	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.7
84.3	86.4	94.9	95.8	96.3	97.3	97.6	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.7
84.3	86.4	94.9	95.8	96.3	97.3	97.6	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.7

TOTAL NUMBER OF OBSERVATIONS 784

WINDSPEED METEOROLOGY BRANCH  
 METAC  
 METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

1950-1951  
 1950-1951

70-61

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1950-1951

52.5	53.4	55.4	55.1	56.1	56.3	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
53.4	55.5	55.5	59.6	59.6	59.7	59.3	59.3	59.8	59.3	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
53.4	56.5	55.5	59.6	59.6	59.7	59.3	59.3	59.8	59.3	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
53.4	56.5	55.5	59.6	59.6	59.7	59.3	59.3	59.8	59.3	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
53.4	56.5	55.5	59.6	59.6	59.7	59.3	59.3	59.8	59.3	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
55.7	56.9	58.9	61.2	60.2	61.3	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
56.4	57.5	59.5	61.8	60.8	61.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
61.1	62.1	64.8	65.1	66.1	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
63.7	64.1	67.9	69.1	69.1	69.3	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
66.3	66.4	69.3	71.5	70.5	70.7	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
66.3	66.4	69.3	70.5	70.5	70.7	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
66.3	66.4	69.3	70.5	70.5	70.7	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
66.3	67.1	71.3	71.6	71.6	71.7	72.1	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
67.3	71.2	75.5	76.8	76.8	76.9	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
71.9	73.3	77.7	79.0	79.1	79.1	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
74.2	75.6	80.6	81.9	81.9	82.3	82.9	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
74.7	76.3	81.3	82.5	82.5	82.9	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
76.7	81.1	85.6	86.9	86.9	87.2	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
80.5	82.1	87.9	89.2	89.2	89.5	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
81.4	82.4	88.6	89.9	89.9	90.3	91.2	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
81.5	83.2	89.3	90.3	90.3	90.7	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
82.3	83.4	89.7	91.9	91.9	91.3	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
82.3	84.1	90.5	91.6	91.6	92.2	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
82.9	84.4	91.3	92.6	92.6	93.1	94.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
83.7	84.6	91.6	93.1	93.1	93.8	94.6	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
83.7	84.6	91.6	93.1	93.1	93.9	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
83.7	84.6	91.7	93.4	93.4	94.4	95.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
83.7	84.6	91.7	93.4	93.4	94.4	95.7	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
83.7	84.6	91.7	93.4	93.4	94.4	95.7	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
83.7	84.6	91.7	93.4	93.4	94.4	95.7	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
83.7	84.6	91.7	93.4	93.4	94.4	95.7	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 784

FEDERAL CLIMATOLOGY BRANCH  
WFO  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

1950 THROUGH JULY 31, 1951

73-31

1951

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

500-1500

52.3	53.2	54.7	55.2	55.2	55.6	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2
54.1	55.1	56.7	57.4	57.4	57.8	58.1	58.1	58.3	58.3	58.3	58.4	58.4	58.4	58.4
54.1	55.1	57.3	57.6	57.6	58.1	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6
54.1	55.1	57.3	57.6	57.6	58.1	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6
54.2	55.2	57.1	57.8	57.8	58.1	58.5	58.5	58.6	58.6	58.6	58.8	58.8	58.8	58.8
54.5	55.5	57.3	58.3	58.3	58.6	59.1	59.1	59.3	59.3	59.3	59.4	59.4	59.4	59.4
55.1	56.1	58.1	58.9	58.9	59.3	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0
55.9	59.9	62.3	63.1	63.1	63.4	63.9	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2
61.2	63.3	65.7	66.7	66.7	67.1	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8
62.1	64.1	66.5	67.5	67.5	67.8	68.1	68.1	68.3	68.3	68.3	68.5	68.5	68.5	68.5
63.1	64.2	66.6	67.6	67.6	68.1	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7
63.1	64.2	66.6	67.6	67.6	68.1	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7
63.1	64.2	66.6	67.7	67.7	68.1	68.6	68.6	68.7	68.7	68.7	68.9	68.9	68.9	68.9
64.3	65.4	68.3	69.1	69.1	69.5	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2
65.1	67.5	72.4	73.6	73.6	74.0	74.5	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8
65.9	71.2	74.5	76.0	76.0	76.4	76.9	76.9	77.1	77.1	77.1	77.2	77.5	77.6	77.6
70.9	72.3	76.3	77.6	77.6	77.9	78.4	78.4	78.6	78.6	78.6	78.7	79.2	79.2	79.2
71.4	72.8	76.5	78.1	78.1	78.4	78.9	78.9	79.1	79.1	79.1	79.2	79.7	79.7	79.7
73.5	75.0	78.9	80.5	80.5	80.8	81.3	81.3	81.5	81.5	81.5	81.6	82.1	82.1	82.1
74.3	76.4	81.7	82.2	82.2	82.6	83.1	83.1	83.2	83.2	83.2	83.4	83.9	83.9	83.9
75.5	78.2	83.2	84.7	84.7	85.4	85.9	85.9	86.1	86.1	86.1	86.3	86.8	86.8	86.8
77.2	78.3	84.0	85.6	85.6	86.3	86.8	86.8	87.1	87.1	87.1	87.1	87.6	87.8	87.8
77.7	79.3	85.1	86.8	86.8	87.4	87.9	87.9	88.1	88.1	88.1	88.3	88.8	88.9	88.9
78.6	81.2	86.4	88.0	88.0	88.7	89.2	89.2	89.4	89.4	89.4	89.5	90.0	90.3	90.3
78.7	81.5	86.6	88.4	88.4	89.2	89.7	89.7	89.9	89.9	89.9	90.0	90.5	90.8	90.8
79.2	81.7	87.9	89.8	89.8	90.8	91.3	91.3	91.7	91.7	91.7	91.8	92.3	92.6	92.7
79.2	81.2	89.3	91.2	91.3	92.6	93.1	93.1	93.6	93.7	93.7	93.8	94.3	94.6	94.7
79.2	81.3	89.5	91.4	91.5	92.9	93.6	93.6	94.1	94.2	94.3	94.5	95.1	95.2	95.3
79.2	81.2	89.5	91.4	91.6	92.9	93.7	93.7	94.5	94.7	95.0	95.3	96.2	96.6	96.7
79.2	81.2	89.5	91.4	91.6	93.1	93.8	93.8	94.7	95.1	95.2	95.7	96.6	97.1	98.0
79.2	81.2	89.5	91.4	91.6	93.1	93.9	93.9	94.8	95.2	95.6	96.1	97.2	98.41	100.0

TOTAL NUMBER OF OBSERVATIONS 797

U.S. AIR FORCE CLIMATOLOGY BRANCH  
METAC  
METEOROLOGICAL SERVICE CENTER

# CEILING VERSUS VISIBILITY

INDIANAPOLIS, INDIANA

73-61

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1952-1953

46.5	47.1	49.1	51.1	53.1	54.6	55.7	56.7	58.7	59.8	60.8	61.9	62.9	63.9	64.9	65.9
47.0	51.4	54.3	55.6	55.6	56.3	56.4	56.4	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7
51.2	51.7	54.5	55.7	55.7	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
51.2	51.4	54.5	55.7	55.7	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
51.4	52.1	54.7	55.9	55.9	56.7	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
51.4	52.1	54.7	55.9	55.9	56.7	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
51.5	52.3	54.4	55.1	55.1	56.3	56.9	56.9	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2
53.2	56.3	59.5	61.8	63.8	64.1	64.7	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
55.3	58.5	62.1	63.4	63.4	64.1	64.7	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
57.6	58.9	62.4	63.8	63.8	64.6	65.2	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
57.6	58.9	62.4	63.8	63.8	64.6	65.2	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
57.8	59.1	62.5	63.9	63.9	64.7	65.4	65.7	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7
59.1	59.2	63.0	64.5	64.5	65.4	66.0	66.1	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5
59.9	60.1	64.1	65.5	65.5	66.3	67.0	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4
64.0	65.4	69.8	71.4	71.4	72.3	72.9	73.2	73.3	73.4	73.4	73.4	73.6	73.6	73.6	73.6
66.0	67.7	72.2	73.8	73.8	74.8	75.4	76.0	76.1	76.3	76.3	76.4	76.4	76.4	76.4	76.4
66.3	71.1	75.2	76.9	76.9	78.1	78.7	79.0	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5
68.8	72.5	75.8	77.6	77.6	78.7	79.4	80.0	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4
70.1	72.1	77.6	80.0	80.0	81.2	81.9	82.5	82.6	82.7	82.7	82.9	82.9	82.9	82.9	82.9
71.1	73.3	77.6	80.3	80.3	83.5	84.2	84.8	84.9	85.1	85.1	85.2	85.6	85.6	85.6	85.6
71.1	74.3	81.3	84.7	84.1	85.4	86.4	87.1	87.3	87.5	87.5	87.6	88.0	88.0	88.0	88.0
73.7	74.9	82.1	84.7	84.9	86.4	87.4	88.1	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5
73.2	75.5	82.7	85.6	85.8	87.3	88.2	89.0	89.1	89.4	89.5	89.6	90.0	90.0	90.0	90.0
73.3	75.6	82.1	86.0	86.4	88.1	89.1	90.0	90.5	90.7	90.8	91.1	91.4	91.4	91.4	91.4
73.4	75.4	83.7	86.7	87.0	88.9	90.0	90.8	91.4	91.7	91.8	92.0	92.4	92.4	92.4	92.4
73.4	75.7	84.5	87.4	87.8	89.1	91.3	92.3	93.1	93.4	93.5	93.8	94.1	94.1	94.1	94.1
73.4	75.9	84.5	87.4	87.8	91.2	91.7	92.5	94.0	94.4	94.5	94.9	95.2	95.2	95.2	95.2
73.4	75.9	84.5	87.4	87.8	91.2	91.9	93.7	94.9	95.3	95.6	96.7	96.7	96.7	96.7	96.7
73.4	75.9	84.5	87.4	87.8	91.2	92.0	93.5	95.2	95.7	96.1	96.3	97.2	97.3	97.7	97.7
73.4	75.9	84.5	87.4	87.8	91.2	92.0	93.5	95.2	95.7	96.1	96.5	97.4	97.6	99.1	99.1
73.4	75.9	84.5	87.4	87.8	91.2	92.0	93.5	95.2	95.7	96.2	96.6	97.6	97.7	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

817

U.S. AIR FORCE CLIMATOLOGY BRANCH  
METAC  
METEOROLOGICAL SERVICE CENTER

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

# CEILING VERSUS VISIBILITY

STATION: WASHINGTON AB, DC

73-51

000

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

12-2-1400

47.9	48.3	49.6	50.1	50.1	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
51.1	53.9	55.7	56.2	56.2	56.8	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
53.3	54.9	56.6	57.1	57.1	57.7	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1
53.3	54.9	56.6	57.1	57.1	57.7	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1
53.9	54.9	56.7	57.2	57.2	57.8	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2
53.9	54.9	56.7	57.2	57.2	57.8	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2
54.3	55.3	57.1	57.6	57.6	58.2	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6
56.4	56.4	58.2	58.7	58.7	59.3	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7
59.2	60.7	62.3	63.0	63.0	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
61.4	63.1	65.3	65.8	65.8	66.5	66.7	66.7	66.7	66.9	66.9	67.0	67.0	67.0	67.0
62.2	63.7	66.3	66.9	66.9	67.6	67.8	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1
62.2	63.7	66.3	66.9	66.9	67.6	67.8	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1
63.7	65.2	67.7	68.3	68.3	69.1	69.4	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8
65.3	66.9	69.4	70.0	70.0	70.8	71.1	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.6
66.2	72.0	75.1	75.8	75.8	76.7	77.0	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5
70.1	74.7	77.3	78.1	78.1	79.7	79.3	79.6	79.7	79.8	79.8	80.1	80.1	80.1	80.1
70.4	77.9	81.7	82.5	82.5	83.4	83.7	84.0	84.1	84.2	84.2	84.5	84.5	84.5	84.5
75.9	78.7	82.0	82.9	82.9	83.7	84.1	84.4	84.5	84.6	84.6	84.8	84.8	84.8	84.8
78.4	80.9	85.3	86.7	86.7	87.5	87.9	88.1	88.3	88.4	88.4	88.6	88.6	88.6	88.6
78.5	82.2	86.3	88.1	88.1	89.1	89.5	89.7	89.9	90.0	90.2	90.2	90.2	90.2	90.2
80.1	82.9	88.1	90.1	90.1	91.2	91.7	91.9	92.2	92.3	92.3	92.5	92.5	92.5	92.5
80.3	83.1	88.6	91.7	91.7	92.1	92.7	92.7	93.2	93.3	93.3	93.5	93.5	93.5	93.5
80.3	83.1	88.9	91.6	91.6	92.8	93.4	93.4	94.0	94.1	94.1	94.4	94.4	94.4	94.4
80.3	83.1	90.0	92.9	92.9	94.3	95.0	95.4	95.7	95.8	95.8	96.1	96.1	96.1	96.1
80.4	83.3	90.3	93.5	93.5	95.0	95.8	96.2	96.8	96.9	96.9	97.2	97.2	97.2	97.2
80.4	83.3	90.5	93.6	93.6	95.4	96.3	96.8	97.4	97.7	97.7	97.9	97.9	97.9	97.9
80.4	83.3	90.5	93.6	93.6	95.6	96.6	97.3	98.0	98.4	98.5	98.8	98.8	98.8	98.8
80.4	83.3	90.5	93.6	93.6	95.6	96.6	97.4	98.3	98.9	99.0	99.4	99.5	99.5	99.5
80.4	83.3	90.5	93.6	93.6	95.6	96.6	97.4	98.3	98.9	99.0	99.4	99.5	99.5	99.5
80.4	83.3	90.5	93.6	93.6	95.6	96.6	97.4	98.3	98.9	99.0	99.4	99.5	99.5	99.5
80.4	83.3	90.5	93.6	93.6	95.6	96.6	97.4	98.3	98.9	99.0	99.4	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 818

# CEILING VERSUS VISIBILITY

TORONTO, ONT.

72-61

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

15 0-170

51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
59.9	59.4	61.8	61.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
60.2	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
67.2	68.7	67.2	67.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
68.5	68.9	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
67.7	61.4	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
63.1	63.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
65.1	65.4	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
68.8	70.7	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
71.3	71.7	73.8	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
71.3	72.1	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
71.8	72.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
72.7	73.6	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
74.3	75.3	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
75.9	81.1	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
83.2	84.5	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
84.7	85.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
85.4	87.1	90.1	90.3	90.3	90.4	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
87.8	87.5	93.2	93.4	93.4	93.6	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
91.3	91.4	94.4	94.4	94.4	94.5	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
95.8	91.1	95.1	95.6	95.6	95.7	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
97.1	91.2	95.5	96.2	96.2	96.6	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.1	91.2	95.7	96.4	96.5	96.8	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
97.1	91.2	96.1	96.7	97.1	97.4	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
97.1	91.2	96.5	96.8	97.1	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.1	91.2	96.1	96.8	97.2	97.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.1	91.2	96.4	96.8	97.2	97.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	91.2	96.5	96.8	97.2	97.8	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	91.2	96.5	96.8	97.2	97.8	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	91.2	96.5	96.8	97.2	97.8	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	91.2	96.5	96.8	97.2	97.8	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	91.2	96.5	96.8	97.2	97.8	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.1	91.2	96.5	96.8	97.2	97.8	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 522

U.S. WEATHER BUREAU BRANCH  
WALTON  
WALTON WEATHER SERVICE/PAO

# CEILING VERSUS VISIBILITY

WALTON, ALASKA  
1967

73-91

950

PER CENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1967-1968

50.0	51.2	52.8	52.8	52.8	52.9	53.0	53.0	53.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
53.1	53.1	54.7	54.7	54.7	54.8	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
57.5	58.4	60.0	60.0	60.0	60.2	60.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
57.7	58.7	60.3	60.3	60.3	60.4	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
58.1	59.1	60.7	60.7	60.7	60.8	60.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
58.8	59.8	61.4	61.4	61.4	61.5	61.7	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
60.0	61.0	62.9	62.9	62.9	63.0	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
64.1	65.1	67.4	67.6	67.6	67.7	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
67.7	69.1	71.5	71.8	71.8	71.9	72.0	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
68.6	69.7	72.3	72.5	72.5	72.6	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
68.9	70.2	72.6	72.9	72.9	73.0	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
69.1	70.2	72.9	73.1	73.1	73.2	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
69.4	70.5	73.0	74.0	74.0	74.1	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
71.1	72.3	75.5	75.8	75.8	76.0	76.1	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
77.1	78.3	82.3	82.6	82.6	82.7	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
77.7	81.7	85.5	86.1	86.2	86.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
82.5	84.1	89.3	90.1	90.1	90.3	90.5	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
83.4	85.7	90.1	90.7	91.0	91.1	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
84.3	86.3	91.9	92.7	92.8	93.0	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
85.5	87.4	93.3	94.3	94.5	94.7	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
86.9	87.9	94.0	95.6	95.7	96.1	96.5	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
88.3	88.4	95.4	96.4	96.5	97.2	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
88.6	89.7	95.8	96.9	97.0	97.7	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
88.7	88.8	96.1	97.3	97.4	98.0	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
88.7	88.8	96.2	97.4	97.5	98.2	99.1	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
88.7	88.8	96.3	97.5	97.7	98.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
88.7	88.8	96.3	97.5	97.7	98.3	99.3	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.7	88.8	96.3	97.5	97.7	98.3	99.3	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.7	88.8	96.3	97.5	97.7	98.3	99.3	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.7	88.8	96.3	97.5	97.7	98.3	99.3	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 811

U.S. AIR FORCE BRANCH

FORM 1-58 (REV. 11-17-54)

STATION REPORT

1958

246

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1-58-100

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

UNIT: FEET



U.S. AIR FORCE CLIMATE DATA CENTER  
WETTER  
METEOROLOGICAL SERVICE ZNAC

# CEILING VERSUS VISIBILITY

1953  
1 JULY 4 1953

70-50

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

50.3	51.3	52.3	53.7	53.7	54.1	54.1	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5
55.1	55.1	55.2	55.7	55.7	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
56.7	56.6	56.8	56.3	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
56.7	56.6	56.8	56.3	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
55.3	56.7	56.8	56.3	56.3	56.6	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
56.7	56.6	56.8	56.3	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
56.3	56.7	56.8	56.3	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
56.3	56.7	56.8	56.3	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
57.1	58.1	60.3	60.8	60.8	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
61.1	62.2	64.7	65.4	65.4	65.7	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1
64.5	65.6	68.4	69.7	69.0	69.4	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8
66.3	66.6	69.3	69.9	69.9	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
66.4	66.6	69.4	70.1	70.1	70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
67.6	66.4	69.7	70.3	70.3	70.7	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
66.2	67.3	70.3	71.0	71.0	71.4	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
67.6	68.4	71.9	72.6	72.6	73.0	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
72.4	73.3	77.4	78.3	78.4	78.7	79.0	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3
74.3	75.3	80.3	81.2	81.2	81.7	81.9	82.0	82.3	82.3	82.3	82.4	82.4	82.4	82.4
77.3	75.1	83.5	84.5	84.5	85.7	85.3	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7
77.7	77.4	84.1	85.1	85.2	85.6	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4
79.7	81.4	86.7	87.9	87.9	88.4	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
81.1	83.1	88.3	89.5	89.6	90.2	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0
81.8	83.3	89.5	90.9	90.9	91.6	92.1	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6
82.2	84.3	90.2	91.6	91.7	92.4	92.9	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5
83.3	84.6	90.6	92.1	92.2	93.0	93.6	93.8	94.0	94.1	94.1	94.2	94.3	94.3	94.4
82.4	84.7	91.4	93.0	93.1	93.9	94.5	94.8	95.1	95.1	95.1	95.2	95.3	95.4	95.4
82.9	85.1	91.7	93.4	93.5	94.4	95.1	95.4	95.7	95.7	95.8	95.8	96.0	96.7	96.1
83.7	85.1	92.2	93.8	94.0	95.1	95.8	96.2	96.6	96.6	96.7	96.8	96.9	96.9	97.0
83.1	85.1	92.4	94.0	94.2	95.4	96.2	96.6	97.1	97.3	97.4	97.5	97.6	97.7	97.7
83.7	85.1	92.4	94.0	94.3	95.6	96.5	96.9	97.6	97.8	97.9	98.0	98.1	98.2	98.3
83.1	85.1	92.4	94.0	94.3	95.6	96.6	97.1	97.8	98.0	98.1	98.2	98.3	98.4	98.4
83.7	85.1	92.4	94.0	94.3	95.6	96.6	97.1	97.8	98.1	98.2	98.3	98.4	98.7	98.4
83.3	85.1	92.4	94.0	94.3	95.6	96.6	97.1	97.9	98.1	98.3	98.5	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6421



# CEILING VERSUS VISIBILITY

1. NAME OF STATION  
 2. LOCATION  
 3. DATE

4. NAME OF OBSERVER  
 5. TIME OF OBSERVATION

47.1	47.1	47.8	48.1	48.2	48.3	48.3	48.7	48.7	48.9	49.3	49.3	49.3	49.3	49.3
48.3	51.4	51.1	51.5	51.3	51.5	51.5	51.4	51.6	51.4	51.5	51.6	51.7	51.7	51.7
51.7	54.1	54.5	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
55.7	54.1	54.5	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54.7	54.1	54.5	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54.1	54.1	54.5	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
57.3	57.4	57.3	57.4	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
57.1	57.7	57.6	57.3	57.0	56.1	55.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
51.3	57.3	54.5	55.0	55.0	55.1	55.2	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
59.0	57.7	57.3	57.7	57.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
57.2	57.2	72.2	72.7	72.7	71.3	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
67.9	68.7	71.9	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
71.3	71.1	71.3	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
71.3	71.7	71.9	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
71.3	71.2	74.4	74.8	74.8	75.3	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
71.7	71.9	81.1	81.5	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
81.7	81.7	81.7	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
82.4	84.3	85.6	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
83.7	84.6	85.9	87.5	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
82.3	86.4	89.3	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
90.3	87.3	92.3	91.9	91.9	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
92.9	89.9	92.5	93.7	93.7	94.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
93.2	87.2	92.3	94.0	94.0	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
91.3	84.3	91.0	94.4	94.4	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
93.6	87.5	92.5	94.7	94.9	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
91.0	87.7	91.7	95.1	95.1	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
93.9	87.3	94.3	95.7	95.8	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
93.9	87.3	94.4	95.4	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
93.9	87.4	94.4	95.4	96.5	97.2	97.8	98.1	98.3	98.5	98.5	98.6	98.6	98.7	98.7
93.9	87.4	94.4	95.4	96.5	97.2	97.8	98.1	98.5	98.6	98.6	98.7	98.9	99.0	99.4
93.9	87.4	94.4	95.4	96.5	97.2	97.8	98.1	98.5	98.6	98.6	98.7	98.9	99.0	99.4
93.9	87.4	94.4	95.4	96.5	97.2	97.8	98.1	98.5	98.6	98.6	98.7	98.9	99.0	99.4

TOTAL NUMBER OF OBSERVATIONS 71

# CEILING VERSUS VISIBILITY

STATION: ...  
PERIOD: ...

UNIT OF MEASUREMENT: ...

41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	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: 237







CEILING VERSUS VISIBILITY

2

TURE JUN ASD CP

75-11

5E

PERCENT AGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

19-1-5007

51.7	51.1	1.3	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
51.7	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
51.7	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
51.7	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
51.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
51.8	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
52.1	52.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
54.7	55.1	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
54.5	59.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
74.7	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
75.7	75.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
75.9	75.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
75.5	77.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
75.1	75.7	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
80.3	80.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
81.3	81.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
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
91.2	91.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
92.5	93.1	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
94.3	94.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
95.1	95.5	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
95.5	96.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
95.5	96.2	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	98.2	98.2
95.7	95.4	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
95.7	95.5	98.7	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
95.7	95.5	98.7	98.9	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
95.7	95.6	98.7	99.1	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
95.7	96.6	98.7	99.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.7	96.5	98.7	99.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.7	96.6	98.7	99.1	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.7	96.6	98.7	99.1	99.1	99.6	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 759

ASAF:PA



FEDERAL CLIMATOLOGY BRANCH  
WILKES BARRE, PA.  
WILKES BARRE SERVICE/MAL

# CEILING VERSUS VISIBILITY

1967 10-JUN-AD-SP

73-51

55

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

110-710

56.4	56.7	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
60.7	63.3	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
63.1	63.7	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	64.6	64.6	64.6	64.6
63.3	63.9	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
63.4	64.0	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
64.5	65.1	66.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
65.0	67.5	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
70.7	71.4	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
76.4	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
77.2	77.8	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
77.4	77.9	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
77.6	78.2	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
78.5	80.1	81.9	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	81.0
81.7	81.8	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	82.9	82.9
83.5	87.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
88.9	89.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
91.6	92.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
92.3	92.4	94.0	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
93.2	93.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
94.7	95.3	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
95.4	95.9	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
95.7	96.2	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
95.7	96.2	98.1	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	98.5	98.5	98.5
95.3	96.5	98.5	98.6	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
95.8	96.5	98.8	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
95.8	96.5	98.8	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
95.3	96.5	98.9	99.1	99.2	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
95.3	96.5	98.9	99.1	99.2	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
95.8	96.5	98.9	99.1	99.2	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
95.1	95.8	95.9	99.1	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
95.8	96.5	98.9	99.1	99.2	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
95.8	96.5	98.9	99.1	99.2	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 738



WATERLOO METEOROLOGICAL BRANCH  
WATERLOO, ONTARIO  
WEATHER SERVICE/MAD

# CEILING VERSUS VISIBILITY

PERIOD: 1951-1952

73-01

MA

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0100-1200

61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
66.9	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
67.6	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
67.8	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
68.5	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
73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
85.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
87.4	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
87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
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	93.6
95.7	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
96.4	96.6	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
98.5	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
98.7	98.4	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
99.3	99.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
99.3	99.6	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.4	99.4	99.3	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.4	99.1	99.3	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.4	99.8	99.4	99.4	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.4	99.4	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.8	99.4	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.8	99.4	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 502

NATIONAL CLIMATOLOGY BRANCH  
WDC 20540  
U.S. WEATHER SERVICE, WMO

# CEILING VERSUS VISIBILITY

TO FROM AIR OR  
WMO

75-81

MA

PER CENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1951-1952

57.1	57.1	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	57.6	57.7
55.7	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
65.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8
66.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8
66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9
66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
66.7	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
67.8	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	68.4
73.2	73.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9
79.0	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
80.1	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
81.7	81.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6
81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
82.7	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
89.3	89.4	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	89.8	89.9
91.3	91.5	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	92.0
93.1	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8
93.5	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3
94.3	95.1	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	95.9
95.5	95.9	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	96.9
96.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
96.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8
98.3	98.6	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6
98.3	98.6	98.3	98.4	98.4	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
98.3	98.6	98.4	98.5	98.5	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3
98.3	98.6	98.6	98.8	98.8	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
98.3	98.6	98.8	98.8	98.9	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
98.3	98.6	98.8	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
96.3	96.6	98.0	98.8	98.9	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
96.3	96.6	98.0	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
96.3	96.6	98.0	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
96.3	96.6	98.0	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
96.3	96.6	98.0	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
96.3	96.6	98.0	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
96.3	96.6	98.0	98.8	98.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 834





### CEILING VERSUS VISIBILITY

NO. 101 MATTHEW A. BRANCH

75-51

MA

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

12/17/51

40.3	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
40.7	40.7	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
41.7	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
41.7	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
41.7	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
41.3	41.5	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
43.1	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7
44.7	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5
71.2	71.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
71.9	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
71.9	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
73.1	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
77.4	77.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6
77.3	77.5	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
81.4	81.9	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
81.5	81.8	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
83.7	84.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
85.2	86.1	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2
85.3	85.3	87.1	87.2	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
86.2	87.1	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
86.3	87.7	89.2	89.3	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
87.1	87.4	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
86.7	87.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8
86.9	87.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8
86.9	87.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8
86.7	87.4	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8
86.9	87.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8
86.9	87.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8
86.9	87.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8

TOTAL NUMBER OF OBSERVATIONS 135

WATERBURY RANCH

CEILING VERSUS VISIBILITY

DAILY OBSERVATIONS REFERENCE

Table with 20 columns and 36 rows of numerical data representing ceiling and visibility observations.

TOTAL NUMBER OF OBSERVATIONS c 34





# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

63	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

# CEILING VERSUS VISIBILITY

TABLE 1  
COMPARISON OF THE NUMBER OF OBSERVATIONS  
FROM WHICH OBSERVATIONS

1.7	61.6	61.2	61.5	61.2	62.2	62.2	61.7	62.3	62.3	61.3	61.5	61.7	61.7	61.6
21.3	62.0	63.5	63.5	63.6	63.6	63.8	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7
63.7	64.3	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.6
64.6	64.3	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.6
64.5	64.4	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
64.4	64.7	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
65.2	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
65.9	67.7	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
71.4	73.3	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
74.3	77.1	79.3	79.3	79.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
79.4	77.7	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
80.2	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
81.7	81.5	81.6	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
81.3	81.1	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
81.1	83.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
81.1	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
85.4	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
88.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
89.1	89.7	89.8	89.7	89.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
89.2	89.3	89.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
89.4	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	89.8
89.4	89.7	89.2	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
89.7	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
89.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
89.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
89.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
89.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
89.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS 1177





15 DETROIT TOWER BRANCH

DETROIT, MICHIGAN

10 JULY 1950

# CEILING VERSUS VISIBILITY

73-51

42

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

FD-507

53.3	58.4	57.5	57.5	57.6	57.7	57.9	57.7	57.9	57.7	57.9	57.9	58.7	58.7	58.7
54.3	57.5	54.6	54.6	54.9	54.9	55.1	55.1	55.3	55.7	55.3	55.3	55.4	55.4	55.4
53.5	54.1	55.3	55.3	55.4	55.5	55.8	55.5	55.9	55.9	55.9	55.9	56.0	56.0	56.0
53.5	54.1	55.3	55.3	55.4	55.5	55.6	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0
53.6	54.2	55.4	55.4	55.5	55.6	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
53.7	54.4	55.5	55.5	55.6	55.8	56.0	56.0	56.2	56.2	56.2	56.2	56.3	56.3	56.3
54.8	55.4	56.5	56.5	56.7	56.8	57.0	57.0	57.2	57.2	57.2	57.2	57.3	57.3	57.3
56.2	58.9	58.1	58.1	58.2	58.3	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.8	58.8
60.1	71.0	72.5	72.7	72.8	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4
76.5	77.8	79.4	79.6	79.7	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.3	80.3
77.5	78.0	79.7	79.8	79.9	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.6	80.6	80.6
77.5	78.5	80.2	80.3	80.5	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
77.8	78.9	80.5	80.6	80.7	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.4	81.4	81.4
80.4	81.5	82.1	82.2	82.4	82.5	82.6	82.6	82.9	82.9	82.9	82.9	83.0	83.0	83.0
82.1	83.1	85.2	85.3	85.4	85.6	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0
87.6	88.8	91.7	92.0	92.1	92.2	92.5	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7
89.4	90.5	92.5	94.0	94.1	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.9	94.9	94.9
90.7	91.8	94.9	95.3	95.4	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
90.7	91.8	94.9	95.3	95.4	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
91.6	92.7	95.2	96.3	96.4	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3
91.7	93.0	96.7	97.1	97.2	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1
92.5	94.1	97.7	98.1	98.2	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
92.5	94.1	97.7	98.1	98.2	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
92.7	94.1	97.8	98.2	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4
93.7	94.1	97.8	98.2	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4
92.7	94.1	97.8	98.2	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4
92.8	94.5	98.2	98.6	98.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
92.8	94.5	98.2	98.6	98.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
92.8	94.5	98.2	98.6	98.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
92.8	94.5	98.2	98.6	98.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
92.8	94.5	98.2	98.6	98.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
92.8	94.5	98.2	98.6	98.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
93.0	94.6	98.3	98.7	98.9	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 783

NO. 100  
METEOROLOGICAL BRANCH  
L-740  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: TARBURG AFB

7-51

19

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

PERIOD: 1

51.5	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
62.7	62.2	64.2	64.3	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
63.4	63.9	64.9	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
63.4	63.9	64.9	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
63.3	64.3	65.3	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
64.7	65.3	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
66.5	67.0	68.3	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
71.2	71.9	72.2	72.6	72.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
75.9	76.7	76.3	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
75.9	76.3	76.6	76.9	76.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
76.7	77.6	79.3	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
76.9	77.3	79.6	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
78.3	79.2	81.0	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
81.5	82.3	84.7	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
88.1	89.1	92.0	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
87.5	87.6	92.5	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
91.4	91.5	94.5	95.2	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
95.5	91.7	95.3	95.6	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
91.2	92.7	96.3	96.6	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
91.7	92.4	96.7	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
92.5	94.0	97.7	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
92.7	94.2	98.1	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
92.7	94.2	98.4	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
92.7	94.2	98.5	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
92.7	94.2	98.7	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.7	94.2	98.7	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.7	94.2	98.7	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.7	94.2	98.7	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.7	94.2	98.7	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.7	94.2	98.7	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATION: 798

CEILING VERSUS VISIBILITY

2

TABLE A. 01  
FEBRUARY 1954

73-81

ASL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

11 2-14-54

45.1	47.1	48.1	49.1	49.1	49.1	48.1	48.1	47.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
62.7	62.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
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	65.7
72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
77.8	78.1	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
78.8	79.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
82.3	82.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
84.7	84.4	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
93.7	93.4	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
97.2	97.3	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
97.3	97.3	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
98.3	98.3	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
98.3	98.3	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
98.1	98.3	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
98.1	98.3	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
98.1	98.3	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
98.1	98.3	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
98.1	98.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828







LOCAL CLIMATOLOGY BRANCH  
WLFAC  
METEOROLOGICAL SERVICE/74AC

CEILING VERSUS VISIBILITY

TORONTO, ONTARIO  
1970-71

70-01

127

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1970-71

54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
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	64.5	64.5
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	64.5	64.5
64.5	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
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
67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
82.7	82.7	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	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
97.7	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
97.7	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.4	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
98.4	98.1	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
98.5	98.2	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
98.5	98.2	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
98.5	98.2	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
98.5	98.2	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
98.5	98.2	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
98.5	98.2	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
98.5	98.2	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
98.5	98.2	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

TOTAL NUMBER OF OBSERVATIONS 797







# CEILING VERSUS VISIBILITY

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 \_\_\_\_\_







AD-A128 107

TORREJON AB SPAIN REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 18 OCT 82

3/5

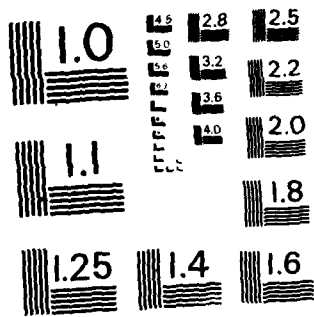
UNCLASSIFIED

USAFETAC/DS-82/056 SBI-AD-E850 356

F/G 4/2

NL

This block contains a large grid of 15 columns and 20 rows. The entire grid is filled with black redaction, obscuring all data that would otherwise be present in the summary table.



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

2  
CENTRAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

TORREJON AB SP

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
100	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
150	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
200	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
250	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
300	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
350	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
400	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
450	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
500	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
550	77.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
600	78.2	78.3	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
650	78.5	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
700	81.5	81.6	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
750	86.6	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
800	94.5	94.8	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	95.4	95.4	95.4
850	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	98.1	98.1	98.1	98.1
900	97.8	98.2	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
950	97.8	98.2	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
1000	98.1	98.4	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
1050	98.1	98.4	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
1100	98.1	98.4	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
1150	98.1	98.4	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
1200	98.1	98.4	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
1250	98.1	98.4	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
1300	98.1	98.4	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
1350	98.1	98.4	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
1400	98.1	98.4	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
1450	98.1	98.4	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
1500	98.1	98.4	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 833

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

0127 TORREJON AB SP

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
100	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	46.3
200	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
300	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
400	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	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
600	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
700	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
800	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
900	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1000	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
1100	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1200	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1300	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	82.4
1400	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
1500	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
1600	98.9	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
1700	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1800	99.3	99.4	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
1900	99.3	99.4	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
2000	99.3	99.4	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
2100	99.3	99.4	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
2200	99.3	99.4	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
2300	99.3	99.4	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
2400	99.3	99.4	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
2500	99.3	99.4	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
2600	99.3	99.4	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
2700	99.3	99.4	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
2800	99.3	99.4	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
2900	99.3	99.4	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
3000	99.3	99.4	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 837



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

127. TORREJON AB SP

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	14	10	10	10	10	10	10	10	10	10	10	10	10	10
10000	61.9	61.9	61.9	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
8000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
6000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
4000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
1000	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	74.6	74.6	74.6
500	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
500K	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
700K	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
500K	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
400K	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	86.7	86.7	86.7
400K	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
400K	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
350K	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
3000	97.0	97.1	97.1	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
2500	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2000	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1800	99.0	99.2	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
1500	99.2	99.3	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
1200	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 830



# CEILING VERSUS VISIBILITY

2

270 TORREJON AB SP

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	
1000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
900	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
800	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
700	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
600	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
500	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
400	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
300	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
200	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
100	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	94.3
50	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
900	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
800	99.3	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
700	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	99.8
600	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	99.9
500	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
400	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
300	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
200	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	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
50	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
0	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

TOTAL NUMBER OF OBSERVATIONS 610



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

27 TORREJON AB SP

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

3300-9500

VISIBILITY (STAT. MILES)	CEILING (STAT. FEET)														
	26	24	22	20	18	16	14	12	10	8	6	4	3	2	1
1000	75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.2
900	82.3	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.1	83.1
800	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5
700	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5
600	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5
500	83.1	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
400	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8
300	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9
200	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9	91.9
100	93.1	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
50	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2
25	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2
15	93.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2
10	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9
5	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
3	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8
2	98.6	99.1	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
1.5	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
1.2	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
1.0	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
0.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
0.6	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
0.4	99.1	99.6	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
0.3	99.1	99.6	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
0.2	99.1	99.6	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
0.15	99.1	99.6	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
0.12	99.1	99.6	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
0.1	99.1	99.6	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
0.08	99.1	99.6	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
0.06	99.1	99.6	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
0.04	99.1	99.6	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
0.03	99.1	99.6	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
0.02	99.1	99.6	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

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AMC

# CEILING VERSUS VISIBILITY

2

127

TORREJUN AB SP

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS.

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	1/2	3/4	1	1 1/4	1 1/2	2	3	4	5	6	7	8	9	10	11	12
1000	69.6	69.7	70.1	70.1	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
900	76.3	76.7	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
800	76.3	76.7	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
700	76.1	76.7	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
600	76.3	76.7	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
500	76.9	77.9	78.6	78.6	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
400	77.9	78.5	79.6	79.6	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
300	79.8	80.4	81.5	81.5	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.9
200	85.4	86.0	87.4	87.4	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
100	87.5	88.1	89.6	89.6	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
50	88.1	88.8	90.2	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6
0	88.1	88.8	90.2	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6
1000	90.1	90.7	92.2	92.2	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6
900	92.5	93.1	94.7	94.7	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.1
800	94.7	95.6	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
700	94.9	95.8	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0
600	95.3	96.2	98.0	98.0	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
500	95.4	96.3	98.1	98.1	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6
400	95.6	96.4	98.3	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8
300	95.8	96.7	98.6	98.6	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
200	95.8	96.7	98.8	98.8	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3
100	95.8	96.7	98.9	98.9	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
50	96.1	96.9	99.1	99.1	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
0	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
1000	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
900	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
800	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
700	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
600	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
500	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
400	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
300	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
200	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
100	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0	96.2	97.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 810

2 GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

27 TORREJUN AL SP

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

900-1100

CEILING (ft)	0	1	2	3	4	5	6	7	8	9
67.3	67.4	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
79.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
85.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
90.7	90.7	90.7	90.7	90.7	90.7	90.7	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	90.9
91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
94.4	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
96.2	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
97.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
97.3	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
97.3	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
97.5	98.6	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
97.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
97.8	99.0	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
97.8	99.0	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
97.8	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 610



2  
GLOBAL CLIMATOLOGY BRANCH  
OFFICE  
AIR WEATHER SERVICE/LMAC

# CEILING VERSUS VISIBILITY

TORREJON AB SP

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
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
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
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
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
82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
84.7	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
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
85.2	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
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
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
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
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	99.6	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
99.5	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
99.5	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	99.6	99.6	99.6	99.6	99.6	99.6	99.6	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	99.8
99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.8	99.8	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	99.9	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
99.8	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
99.8	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
99.8	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 810









FEDERAL CLIMATOLOGY BRANCH  
ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

73-81  
TORREJON AB SP

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

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	89.9	89.9	89.9	89.9	89.9
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	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	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
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
94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
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	97.0	97.0	97.0	97.0	97.0	97.0	97.0
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	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	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	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	98.1	98.1
98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	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
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
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
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
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
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
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
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
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
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
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
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 834

USAF ETAC 0-114-5 (I, A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

27 TORREJON AB SP

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	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
	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	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
	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
	97.8	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
	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	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	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	98.2	98.2	98.2
	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	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	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	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	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
	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	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	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
	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	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	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
	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 832



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

TORREJON AB SP

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1900-1100

VISIBILITY IN STATUTE MILES

CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1000	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
900	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
800	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
700	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
600	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
500	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
400	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
300	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
200	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	96.7	96.7
100	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	96.7	96.7
0	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1000	97.1	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
900	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	99.6	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
700	99.6	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
600	99.6	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
500	99.6	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
400	99.6	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
300	99.6	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
200	99.6	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	99.6	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
0	99.6	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

TOTAL NUMBER OF OBSERVATIONS 427

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

27

TOPREJON AB SP

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1230-1400

CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1000	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
900	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	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	
800	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	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	
700	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	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	
600	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	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	
500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	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	
400	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	
300	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	
200	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	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	
100	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
1000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
900	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
800	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	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	
700	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	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	98.2	
600	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	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
500	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
400	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
300	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
200	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
100	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 632

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

27 TORREJON AB SP

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

NO. OF STATIONS

Visibility (feet)	20	25	24	21	22	23	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	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	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	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	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	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
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	91.1	91.1	91.1	91.1	91.1	91.1	91.1
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	94.0	94.0	94.0	94.0
94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
95.7	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	95.7	95.7	95.7	95.7	95.7	95.7	95.7
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
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	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	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	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	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	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	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	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	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	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	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	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
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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

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

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2

127 TORREJON AB SP

75-01

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

CEILING	20	26	30	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	100
100	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
90	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
80	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
70	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
60	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
50	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
40	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	88.6
30	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	90.2	90.2	90.2
20	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
10	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	93.9	93.9	93.9	93.9	93.9
0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
100	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	94.1	94.1	94.1	94.1	94.1
90	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
80	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
70	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	97.3	97.3	97.3
60	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
50	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	99.9
40	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	99.9
30	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	99.9
20	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	99.9
10	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	99.9
0	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	99.9

TOTAL NUMBER OF OBSERVATIONS 837

CEILING VERSUS VISIBILITY

2

ZUL TORREJON AB SP

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
001	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
002	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
003	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
004	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	88.6	88.6	88.6	88.6	88.6
005	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
006	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	89.1	89.1	89.1
007	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	91.1	91.1	91.1
008	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
009	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	95.4	95.4	95.4	95.4	95.4
010	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	95.4	95.4	95.4	95.4	95.4
011	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
012	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
013	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	95.9	95.9	95.9	95.9	95.9	95.9
014	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
015	99.3	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	99.4	99.4	99.4
016	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
017	99.8	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	100.0	100.0
018	99.8	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	100.0	100.0
019	99.8	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	100.0	100.0
020	99.8	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	100.0	100.0
021	99.8	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	100.0	100.0
022	99.8	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	100.0	100.0
023	99.8	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	100.0	100.0
024	99.8	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	100.0	100.0
025	99.8	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	100.0	100.0
026	99.8	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	100.0	100.0
027	99.8	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	100.0	100.0
028	99.8	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	100.0	100.0
029	99.8	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	100.0	100.0
030	99.8	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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 633



FEDERAL CLIMATOLOGY BRANCH  
OFFICE OF THE  
AIR WEATHER SERVICE/440

2

# CEILING VERSUS VISIBILITY

TOPREJUN 48 SP

73-51

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

0-50	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
51-100	92.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
101-150	91.3	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
151-200	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
201-250	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
251-300	91.2	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
301-350	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
351-400	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
401-450	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
451-500	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
501-550	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
551-600	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
601-650	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
651-700	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
701-750	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
751-800	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
801-850	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
851-900	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
901-950	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
951-1000	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
1001-1050	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
1051-1100	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
1101-1150	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
1151-1200	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
1201-1250	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
1251-1300	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
1301-1350	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
1351-1400	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
1401-1450	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
1451-1500	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
1501-1550	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
1551-1600	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
1601-1650	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
1651-1700	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
1701-1750	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
1751-1800	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
1801-1850	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
1851-1900	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
1901-1950	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
1951-2000	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 6662





CEILING VERSUS VISIBILITY

TORREON, TEXAS

73-51

800

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

800-100

85.1	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
91.5	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
91.5	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
91.5	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
91.5	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
92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
92.6	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
96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
98.0	98.0	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
98.1	98.2	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
98.0	98.0	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
98.7	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
99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 800

FEDERAL CLIMATOLOGICAL BRANCH  
WASHINGTON  
ADVISORY BOARD REPORT

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

3-5-1960

85.4	86.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
86.4	87.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
87.4	88.4	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
88.4	89.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
89.4	90.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
90.4	91.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
91.4	92.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
92.4	93.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
93.4	94.4	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	93.4	93.4	93.4
94.4	95.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
95.4	96.4	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	95.4	95.4	95.4
96.4	97.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
97.4	98.4	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
98.4	99.4	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
99.4	100.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4	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	99.4
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	99.4	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	99.4	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

TOTAL NUMBER OF OBSERVATIONS

335



U.S. GOVERNMENT PRINTING OFFICE: 1955 O-451-355

AIRL CLIMATOLOGY BRANCH  
 FLEETAC  
 AIR WEATHER SERVICE/PAO

# CEILING VERSUS VISIBILITY

2

1 TUPLOUN AIR OP

78-81

807

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

12 0-1400

84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
91.7	91.7	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
91.7	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	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
92.2	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	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
94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
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	97.0
98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 836

USAF STA... A... ..











# CEILING VERSUS VISIBILITY

77 TORREJON AB SP

75-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

..000-0200

83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
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	89.0
89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	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	89.1	89.1
89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
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
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	95.9	95.9	95.9	95.9
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	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	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	96.8	96.8
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	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
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	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	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	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	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	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	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	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	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	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	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	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	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 629

CLIMATE CLIMATOLOGY BRANCH  
AF/ETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

TORREYDON AFB, MS  
75-81

75-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1300-1500

84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
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
90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
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
91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
91.7	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
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
92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
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
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	97.2	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
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
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
99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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
99.8	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 309

FEDERAL BUREAU OF SURVEILLANCE  
WASHINGTON, D. C.

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

TORREJON AB GP

75-21

SEP  
600-0000

73.6	73.6	78.8	79.8	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
84.4	84.4	84.6	84.6	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
86.2	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
92.5	92.6	92.7	92.7	92.7	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
94.7	94.7	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
94.7	94.8	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
95.8	95.9	96.2	96.2	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
99.6	99.7	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.9	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.9	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810



# CEILING VERSUS VISIBILITY

TORREJON AB SP

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1700-1400

76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
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	87.2
88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
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	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	88.8	88.8
89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
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	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
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
97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
99.3	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	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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
99.4	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

TOTAL NUMBER OF OBSERVATIONS 510

CEILING VERSUS VISIBILITY

TONREJUN AFB

73-61

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1507-1700

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
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
88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
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
89.4	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
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
91.0	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
93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
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
94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
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
98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	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	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
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	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	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
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	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	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
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	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	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
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	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	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
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	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	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
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	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	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
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	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 110









U.S. AIR FORCE METEOROLOGICAL BRANCH  
METEOROLOGICAL SERVICE, USAF

### CEILING VERSUS VISIBILITY

STATION: TORONTO, ONT.

PERIOD: 1951

087

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

700-1000

68.9	69.9	69.9	69.9	69.9	69.9	69.9	70.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
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	91.6	91.6	91.6	91.6
92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
92.7	92.7	92.7	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
94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 137

WORLD CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

TO REPORT AS OF

73-81

207

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

100-100

66.5	67.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
77.3	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
77.3	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
77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
80.3	80.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
97.0	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	97.3	97.3
97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
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	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.2	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
99.4	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	99.8	99.8	99.8	99.8
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	99.9	99.9
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	99.9	99.9
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	100.0	100.0
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	100.0	100.0
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	100.0	100.0
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	100.0	100.0
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	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 337

NAVY METEOROLOGICAL BRANCH  
 1951

### CEILING VERSUS VISIBILITY

STATION: TROBAND AFB, OH

10-51

057

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

007-670

63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
72.1	72.6	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
72.4	73.1	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
72.6	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
73.1	73.7	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
73.7	74.1	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
74.5	75.4	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
81.2	82.1	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
85.3	86.1	86.7	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
85.4	86.4	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
85.7	86.5	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
86.1	87.1	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
88.6	89.5	90.2	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
91.6	92.4	93.3	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
92.9	93.7	94.7	94.7	94.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
93.7	94.5	95.4	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
95.7	96.5	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
95.7	96.5	97.6	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
96.2	97.1	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
96.5	97.5	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
96.9	97.7	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
98.3	97.7	98.8	99.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
98.9	97.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
98.9	97.7	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
97.1	97.8	99.0	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.1	97.8	99.0	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.1	97.8	99.0	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.1	97.8	99.0	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.1	97.8	99.0	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.1	97.8	99.0	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.1	97.8	99.0	99.3	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 537

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WAF CLIMATOLOGY BRANCH  
METAL  
SERVICEMAC

# CEILING VERSUS VISIBILITY

1950 FEBRUARY 14 5P

73-81

997

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

900-1100

56.6	56.5	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.1	57.3	57.3	57.1
57.7	63.7	63.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2
63.5	69.4	69.9	70.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.1	70.1	70.1	70.1	70.1
62.9	69.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.5
69.1	70.7	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7
70.5	71.0	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7
70.5	73.5	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4
70.9	77.9	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7
81.4	81.4	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2
82.6	81.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4
81.2	82.2	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0
82.3	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1
84.7	85.1	87.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2
91.3	91.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4
91.4	92.8	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9
92.1	93.8	95.7	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2
92.2	93.9	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3
93.7	95.5	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8
94.0	95.9	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6
94.5	96.4	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
94.5	96.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
94.6	96.5	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
94.6	96.5	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
94.6	96.5	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
94.6	96.7	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
94.6	96.7	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
94.6	96.7	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
94.6	96.7	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
94.6	96.7	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
94.6	96.7	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 537

FEDERAL CLIMATOLOGY BRANCH  
 WFO AC  
 WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

27 1000 FT. CEILING AS UP

73-81

597

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1240-1400

56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
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
81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
84.3	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	84.6	84.6
86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
95.3	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	96.2	96.2	96.2	96.2
96.9	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
98.1	98.7	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
98.7	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
98.8	99.5	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
98.8	99.5	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
98.8	99.5	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
98.8	99.5	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
98.8	99.5	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
98.8	99.5	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
98.8	99.5	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
98.8	99.5	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
98.8	99.5	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 837

USAF ETAC ...



# CEILING VERSUS VISIBILITY

2

07 TORREJON AB SP

70-31

091

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
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	71.7	71.7	71.7
74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
83.7	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
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	85.7	85.7	85.7	85.7	85.7	85.7
87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
98.0	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	98.2	98.2	98.2	98.2	98.2
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	98.9	98.9	98.9	98.9	98.9	98.9
99.0	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	99.4	99.4	99.4	99.4	99.4
99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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
99.2	99.3	99.8	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

TOTAL NUMBER OF OBSERVATIONS 337





CEILING VERSUS VISIBILITY

TORREY AFB

73-61

897

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

62.1	62.3	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
73.3	73.5	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	73.7
74.7	74.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
74.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
74.3	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4
74.3	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
75.1	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
76.7	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
86.9	87.1	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
87.2	87.4	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	87.7
87.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0
88.2	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
88.3	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
94.8	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7
96.1	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
97.1	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
97.2	97.7	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
97.9	98.3	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
98.3	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
98.4	98.9	99.5	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
98.4	98.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
98.5	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
98.5	99.0	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.5	99.0	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6696

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

# CEILING VERSUS VISIBILITY

17 TORREJON AB SP

70-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 1000 FEET TO 9999 FEET

700-7000

71.1	71.3	72.6	72.7	72.8	73.2	73.3	73.7	73.4	73.4	73.5	73.5	73.5	73.5	73.7
73.5	74.9	76.3	76.4	76.5	76.9	77.1	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.4
73.3	75.7	76.5	76.6	76.8	77.1	77.3	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.6
73.8	75.7	76.5	76.6	76.8	77.1	77.3	77.7	77.4	77.4	77.5	77.5	77.5	77.5	77.6
73.8	75.7	76.5	76.6	76.8	77.1	77.3	77.7	77.4	77.4	77.5	77.5	77.5	77.5	77.6
73.3	75.7	76.5	76.6	76.8	77.1	77.3	77.7	77.4	77.4	77.5	77.5	77.5	77.5	77.6
74.2	75.5	76.9	77.7	77.1	77.6	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9	78.0
77.3	77.1	78.5	78.6	78.7	79.1	79.1	79.2	79.3	79.4	79.5	79.5	79.5	79.5	79.5
81.2	82.4	84.2	84.7	84.8	85.2	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7
84.1	85.7	87.3	87.9	88.0	88.4	88.5	88.6	88.8	88.8	88.9	88.9	88.9	88.9	89.0
84.4	86.0	87.4	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5
84.9	86.5	87.9	87.8	88.9	89.2	89.4	89.5	89.6	89.7	89.4	89.9	89.9	89.9	89.9
84.9	84.5	87.9	88.8	88.9	89.7	89.4	89.5	89.6	89.7	89.9	89.9	89.9	89.9	89.9
84.7	86.5	87.9	88.8	88.9	89.7	89.4	89.5	89.6	89.7	89.4	89.9	89.9	89.9	89.9
85.7	87.1	88.3	88.0	88.0	88.4	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
87.2	91.4	91.2	91.1	91.2	91.5	91.4	91.4	91.2	91.3	91.4	91.4	91.4	91.4	91.5
90.2	91.4	92.2	94.1	94.2	94.5	94.8	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.5
91.6	92.2	93.0	94.4	94.5	94.9	95.2	95.7	95.3	95.4	95.9	95.9	95.9	95.9	96.0
92.6	92.7	92.6	94.4	94.5	94.9	95.2	95.3	95.7	95.4	95.9	95.9	95.9	95.9	96.0
91.2	92.5	94.0	94.4	94.6	95.7	96.2	96.3	96.7	96.4	96.9	96.9	96.9	96.9	97.1
91.2	92.4	94.6	95.4	95.6	95.9	96.2	96.3	96.7	96.4	96.9	96.9	96.9	96.9	97.1
91.3	93.1	94.9	95.8	95.9	96.3	96.5	96.7	97.7	97.2	97.3	97.3	97.3	97.3	97.4
91.3	93.0	94.9	95.8	95.9	96.3	96.5	96.7	97.7	97.2	97.3	97.3	97.3	97.3	97.4
91.3	93.1	95.4	96.3	96.4	96.9	97.2	97.3	97.8	97.4	97.9	98.0	98.0	98.0	98.1
91.5	93.2	95.9	96.8	96.9	97.4	97.7	97.8	98.3	98.4	98.5	98.5	98.5	98.5	98.6
91.5	93.2	96.0	96.9	97.1	97.5	97.8	97.7	98.4	98.4	98.5	98.5	98.5	98.5	98.6
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS 670

TABLE 1. PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

### CEILING VERSUS VISIBILITY

2

DATE: 1958 JUN 25 06:00  
TIME: 0600  
STATION:

13-31

529

#### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

529-500

68.4	71.1	71.6	71.8	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
72.6	74.5	76.1	76.4	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
72.6	74.5	76.1	76.4	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
72.6	74.5	76.1	76.4	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
72.6	74.5	76.1	76.4	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
72.9	74.9	76.5	76.8	76.9	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
74.2	76.1	77.8	78.0	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
79.9	81.8	83.8	84.1	84.2	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
83.9	85.1	87.1	87.5	87.6	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
83.1	85.4	87.5	87.9	88.0	88.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
83.3	85.7	87.8	88.1	88.3	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
83.3	85.7	87.8	88.1	88.3	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
83.3	85.7	87.8	88.1	88.3	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
84.1	86.4	88.5	88.9	89.0	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
86.4	88.4	91.9	91.2	91.3	91.7	91.8	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
88.8	91.1	93.2	93.6	93.7	94.1	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
89.4	91.3	94.1	94.6	94.7	95.2	95.3	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
89.4	91.3	94.1	94.6	94.7	95.2	95.3	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
91.0	92.3	94.7	95.2	95.3	95.8	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
91.1	92.4	94.9	95.4	95.6	96.0	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
91.2	92.7	95.1	95.6	95.7	96.2	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
91.2	92.7	95.1	95.6	95.7	96.2	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
91.4	92.9	95.4	95.9	96.1	96.5	96.7	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
91.5	93.1	95.6	96.0	96.2	96.7	96.8	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
91.6	93.1	95.7	96.2	96.3	96.9	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 529

FEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICE  
METEOROLOGICAL SERVICE/MASS

CEILING VERSUS VISIBILITY

OFFICE: MEMPHIS AND SP

73-51

MEM

PERCENTAGE FREQUENCY OF CEILING PREVALENCE  
AND VISIBILITY CORRELATIONS

73-51

67.7	71.5	74.9	75.2	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.1	76.1
67.4	71.7	75.0	75.4	75.6	75.7	75.7	75.7	75.9	75.9	75.9	75.9	76.0	76.1	76.2	76.2
67.4	71.7	75.0	75.4	75.6	75.7	75.7	75.7	75.9	75.9	75.9	75.9	76.1	76.1	76.2	76.2
67.7	71.4	75.1	75.6	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.4	76.5	76.5
71.3	72.4	75.7	76.2	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.7	77.1	77.1	77.1	77.1
71.0	72.9	76.2	76.7	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.5	77.6	77.6
75.1	79.1	81.4	81.9	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.7	82.8	82.8	82.8
77.2	81.2	84.7	85.1	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.9	86.0	86.1	86.1
77.6	81.5	85.1	85.6	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.4	86.5	86.5	86.5
77.3	81.6	85.1	85.6	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.4	86.5	86.5	86.5
77.6	81.6	85.1	85.6	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.4	86.5	86.5	86.5
77.7	81.7	85.3	85.8	86.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5
77.1	82.1	85.6	86.1	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.9	87.0	87.0	87.0
77.5	82.5	85.2	85.9	86.1	86.2	86.2	86.2	86.5	86.5	86.5	86.5	86.9	87.0	87.0	87.0
83.1	85.8	89.7	91.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
84.1	86.0	91.2	91.8	92.1	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8
84.9	86.4	91.5	92.1	92.3	92.7	92.7	92.7	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2
85.1	87.1	92.0	92.6	92.8	93.2	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.9	94.1	94.1
85.5	87.5	92.5	93.1	93.3	93.7	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.4	94.6	94.6
85.6	87.9	92.9	93.6	93.9	94.3	94.6	94.6	94.8	94.8	94.8	94.8	94.8	95.0	95.2	95.2
85.6	87.9	93.1	93.7	94.1	94.4	94.7	94.7	94.9	94.9	94.9	94.9	94.9	95.2	95.3	95.3
85.3	88.0	93.4	94.2	94.6	94.9	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.8	95.9	95.9
85.7	88.2	93.9	94.7	95.0	95.4	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.3	96.4	96.4
86.5	88.7	94.4	95.3	95.7	96.0	96.5	96.5	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0
86.5	88.7	94.4	95.3	95.7	96.2	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.4	97.5	97.6
86.7	88.7	94.9	95.9	96.3	96.8	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.4	98.5	98.6
86.5	88.7	95.0	96.0	96.4	96.9	97.8	97.8	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3
86.5	88.7	95.0	96.0	96.4	96.9	97.9	97.9	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
86.5	88.7	95.0	96.0	96.4	96.9	97.9	97.9	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 503

SEARCHED INDEXED SERIALIZED FILED



ALBUQUERQUE BRANCH  
1942  
FEBRUARY 1942

# CEILING VERSUS VISIBILITY

TABLE NO. 1

1942

1942

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

58.3	58.4	61.1	63.7	63.0	63.6	63.6	63.5	63.7	63.7	63.7	63.7	63.7	64.7	64.7
61.7	64.1	63.8	7.0	70.0	70.7	70.7	70.7	70.9	70.9	70.9	70.9	71.1	71.1	71.1
61.9	64.1	64.9	7.1	71.1	71.9	70.9	70.9	71.0	71.0	71.0	71.0	71.1	71.2	71.2
62.1	64.3	67.1	7.4	71.4	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.5	71.5
60.3	64.6	69.4	70.7	70.7	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.9	71.9
60.7	65.2	70.9	71.2	72.2	73.1	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
67.8	71.4	75.6	76.9	76.9	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	78.1	78.1
71.5	74.4	76.6	81.1	81.1	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.3	82.3
71.7	74.7	79.9	81.4	81.4	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.6	82.6
72.0	74.9	80.1	81.6	81.6	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7
72.3	74.9	80.1	81.6	81.6	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7
72.1	75.2	80.5	82.0	82.0	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.2	83.2
73.5	76.5	83.0	83.5	83.5	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.6	84.6
75.8	78.9	84.7	86.2	86.2	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.4	87.4
77.8	80.9	87.0	88.5	88.5	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.6
77.5	81.0	88.1	89.8	89.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.4	91.4
77.5	81.6	88.3	89.9	89.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.4	91.4
77.0	81.7	88.6	90.2	90.2	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.7	91.7
77.5	82.0	89.0	91.4	91.4	92.7	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1	93.1
77.6	82.7	90.4	92.3	92.3	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2
77.6	82.7	90.4	92.3	92.3	93.7	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3
77.6	82.7	90.4	92.3	92.3	93.7	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3
77.6	82.7	90.4	92.3	92.3	93.7	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3
77.9	83.7	92.9	93.7	93.0	94.6	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.4	95.4
81.1	83.1	91.0	93.1	93.2	94.8	95.6	95.7	95.9	95.9	95.9	95.9	95.9	96.0	96.0
81.7	83.1	91.1	93.2	93.3	95.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.8	96.8
81.0	83.1	91.2	93.5	93.6	95.6	96.7	96.8	97.5	97.5	97.5	97.5	97.5	97.7	97.7
81.7	83.1	91.2	93.5	93.6	95.6	96.7	96.8	97.9	97.9	97.9	97.9	97.9	98.1	98.1
81.7	83.1	91.2	93.5	93.6	95.6	96.7	97.0	98.0	98.0	98.0	98.0	98.0	98.5	98.5
81.7	83.1	91.2	93.5	93.6	95.6	96.7	97.0	98.0	98.0	98.0	98.0	98.0	98.5	98.5
81.7	83.1	91.2	93.5	93.6	95.6	96.7	97.0	98.0	98.0	98.0	98.0	98.0	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 61



WINDSPEED METEOROLOGICAL STATION  
WINDSPEED AND VISIBILITY

# CEILING VERSUS VISIBILITY

STATION AND PERIOD

70-81

507

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

11-10-1947

60.3	64.7	65.6	67.6	68.6	69.9	68.7	68.9	68.9	67.9	68.9	68.1	66.1	65.7	62.7
61.9	64.7	72.6	70.6	71.8	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	71.2	73.7
64.1	71.1	70.3	70.8	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	71.5
64.1	71.1	70.3	70.8	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.5	73.5	73.5	71.5
64.9	71.4	70.1	71.1	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7
64.8	70.7	70.5	70.5	71.5	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1
67.7	70.9	73.6	73.6	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2
70.3	71.7	74.6	74.6	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2
74.3	76.2	79.2	79.1	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8
74.3	80.7	83.7	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4
74.4	81.9	83.8	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6
77.4	81.1	83.8	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6
77.5	81.1	84.1	84.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8
81.1	87.6	85.6	85.7	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
83.7	88.3	88.1	88.3	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
85.6	87.7	91.1	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8
87.4	89.1	90.5	90.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3
87.5	87.3	91.7	91.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5
88.8	90.8	94.4	94.6	94.6	95.1	95.1	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3
88.9	90.6	94.7	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.9	96.0	96.0	96.0	96.0
89.1	90.9	95.3	95.9	95.9	96.7	96.7	96.7	96.8	96.8	96.8	96.9	97.1	97.1	97.1
89.3	91.1	95.6	96.3	96.3	97.1	97.2	97.2	97.3	97.3	97.3	97.4	97.5	97.5	97.5
89.5	91.2	96.0	96.8	96.8	97.5	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0
89.5	91.4	96.4	97.2	97.3	98.0	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
89.5	91.4	96.4	97.2	97.3	98.1	98.5	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9
89.6	91.4	96.4	97.2	97.3	98.3	98.8	98.8	99.1	99.1	99.1	99.4	99.4	99.4	99.4
89.5	91.4	96.4	97.2	97.3	98.3	98.8	98.8	99.1	99.1	99.1	99.4	99.4	99.4	99.4
89.5	91.4	96.4	97.2	97.3	98.3	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4
89.5	91.4	96.4	97.2	97.3	98.3	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4
89.5	91.4	96.4	97.2	97.3	98.3	98.8	98.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 517



FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE/440

# CEILING VERSUS VISIBILITY

PERIOD: JANUARY 1951

STATION: 73-01

NO. 1

PERCENTAGE: REDUCED TO CLEARANCE  
FROM ORIGINAL OBSERVATION

64.3	66.3	67.2	67.4	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
70.9	71.4	73.3	73.4	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
71.7	72.2	73.7	73.8	73.8	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
71.1	72.3	73.8	73.9	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
71.3	72.4	73.9	74.1	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
71.7	72.9	74.4	74.5	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
72.3	74.1	75.5	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
73.3	75.1	76.5	76.6	76.6	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
73.2	77.5	78.3	82.4	82.4	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
73.3	80.7	85.4	85.5	85.5	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
73.7	84.1	85.8	85.9	85.9	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
73.5	84.9	86.7	86.8	86.8	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
73.6	84.9	86.7	86.8	86.8	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
73.9	85.3	87.1	87.3	87.3	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
73.7	87.4	89.2	89.4	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
73.8	91.3	93.4	93.7	93.7	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
73.3	92.3	94.7	94.9	94.9	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
73.7	95.1	95.9	96.1	96.3	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
73.1	93.3	96.7	97.2	97.2	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
73.1	94.1	97.3	97.9	97.9	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
73.1	94.1	97.4	98.0	98.0	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
73.1	94.1	97.4	98.1	98.3	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
73.1	94.1	97.4	98.1	98.3	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
73.3	94.3	97.7	98.1	98.3	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
73.5	94.4	97.9	98.5	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.5	94.4	97.9	98.5	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.5	94.4	97.9	98.5	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.5	94.4	97.9	98.5	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.5	94.4	97.9	98.5	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
73.5	94.4	97.9	98.5	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 609

# CEILING VERSUS VISIBILITY

2

STATION: TIRELLOVA AD 5P

73-01

997

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1957-2370

71.8	73.8	74.8	74.9	74.7	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.7
74.6	76.9	77.8	78.0	78.0	78.2	78.3	78.6	78.5	78.5	78.5	78.5	78.5	78.5	78.6
74.6	76.9	77.8	78.1	78.1	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
74.6	76.9	77.8	78.1	78.1	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
74.8	77.1	78.1	78.1	78.1	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7
75.0	77.2	78.2	78.3	78.3	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
75.1	78.3	79.3	79.5	79.5	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
77.1	79.2	80.2	80.3	80.3	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
81.3	83.5	84.5	84.7	84.7	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.3
85.1	87.4	88.4	88.5	88.5	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4
85.5	87.7	88.7	88.9	88.9	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.9
88.3	88.6	89.5	89.6	89.6	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
88.5	88.7	89.7	89.9	89.9	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8
86.6	88.9	89.9	90.0	90.0	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0
87.5	89.7	90.8	91.0	91.0	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	92.0	92.0
89.7	90.1	93.2	93.3	93.3	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
91.5	90.7	93.9	94.1	94.1	94.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7
91.6	93.3	95.2	95.3	95.3	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
91.8	93.8	95.2	95.3	95.3	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
92.2	94.6	96.1	96.7	96.7	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
92.5	94.8	96.5	96.9	96.9	97.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6
92.8	95.1	96.9	97.3	97.3	98.3	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.3
92.8	95.1	96.9	97.3	97.3	98.3	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.3
92.7	95.3	97.3	97.6	97.6	98.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
92.7	95.3	97.3	97.6	97.6	98.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
92.7	95.3	97.4	97.8	97.8	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.8	99.8
92.7	95.3	97.4	97.8	97.8	98.8	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9
92.7	95.3	97.4	97.8	97.8	98.8	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9
92.7	95.3	97.4	97.8	97.8	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
92.7	95.3	97.4	97.8	97.8	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
92.7	95.3	97.4	97.8	97.8	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
92.7	95.3	97.4	97.8	97.8	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
92.7	95.3	97.4	97.8	97.8	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 808

2  
FEDERAL CLIMATOLOGY BRANCH  
W. F. TAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

PERIOD: JUL. AL. SP

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

68.4	66.7	68.5	68.7	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.4
70.3	71.1	74.1	74.4	74.4	74.8	74.9	74.9	74.9	74.9	74.9	75.0	75.1	75.1	75.1
70.3	72.1	74.3	74.6	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.3
70.5	72.1	74.3	74.6	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.3	75.3
70.6	72.3	74.4	74.7	74.8	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.4
70.9	72.5	74.7	75.0	75.1	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.7	75.7
71.5	73.2	75.3	75.6	75.7	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3
72.4	74.2	76.4	76.7	76.8	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.4
77.4	79.1	81.5	81.8	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5
80.3	82.8	85.0	85.5	85.5	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2
81.1	83.7	85.4	85.9	85.9	86.4	86.4	86.5	86.5	86.6	86.6	86.6	86.7	86.7	86.7
81.5	83.4	85.8	86.3	86.3	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1
81.6	83.5	85.9	86.3	86.4	86.8	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.2
81.3	83.6	86.1	86.5	86.6	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.4	87.4
83.0	84.3	87.4	87.9	87.9	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7
85.9	87.8	90.4	90.9	91.0	91.5	91.6	91.7	91.8	91.8	91.8	91.8	91.9	91.9	92.0
87.3	89.2	91.9	92.4	92.5	93.0	93.1	93.2	93.3	93.3	93.4	93.4	93.5	93.5	93.5
88.3	90.3	93.3	93.9	94.0	94.5	94.7	94.8	94.9	94.9	95.0	95.0	95.1	95.1	95.1
88.4	90.4	93.4	94.1	94.2	94.8	94.9	95.0	95.1	95.1	95.2	95.2	95.3	95.3	95.3
88.8	90.9	94.3	95.0	95.0	95.7	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.3
89.1	91.1	94.6	95.4	95.5	96.2	96.3	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7
89.2	91.3	94.9	95.8	95.9	96.6	96.8	96.9	97.1	97.1	97.2	97.2	97.3	97.3	97.3
89.2	91.3	95.0	95.9	96.0	96.7	96.9	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.4
89.4	91.5	95.4	96.3	96.4	97.1	97.4	97.5	97.7	97.8	97.8	97.8	97.9	97.9	97.9
89.5	91.6	95.6	96.6	96.6	97.5	97.8	97.9	98.1	98.1	98.2	98.2	98.3	98.3	98.3
89.6	91.7	95.8	96.7	96.8	97.6	98.0	98.1	98.4	98.4	98.5	98.5	98.5	98.6	98.6
89.6	91.7	95.9	96.8	96.9	97.8	98.3	98.4	98.7	98.7	98.8	98.8	98.9	98.9	99.0
89.6	91.7	96.0	96.9	97.0	98.0	98.5	98.6	99.0	99.0	99.0	99.1	99.2	99.2	99.3
89.6	91.7	96.0	97.0	97.1	98.0	98.5	98.7	99.1	99.1	99.2	99.2	99.3	99.4	99.4
89.6	91.7	96.0	97.0	97.1	98.0	98.5	98.7	99.2	99.2	99.2	99.3	99.4	99.5	99.6
89.5	91.7	96.0	97.0	97.1	98.0	98.5	98.7	99.2	99.2	99.2	99.3	99.5	99.6	99.6
89.5	91.7	96.0	97.0	97.1	98.0	98.5	98.7	99.2	99.2	99.3	99.3	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6473

FEDERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL SERVICE CANADA

# CEILING VERSUS VISIBILITY

TORONTO 43 52

73-81

851

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

800-1000

53.3	54.2	55.7	55.7	55.7	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.7	56.2
57.3	57.7	59.6	59.7	59.7	59.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
57.9	58.3	61.2	61.3	61.3	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
57.9	58.3	61.2	61.3	61.3	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
58.0	58.4	61.3	61.4	61.4	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
58.7	59.1	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
59.1	59.4	61.4	61.5	61.5	61.6	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
60.3	61.3	65.3	65.4	65.4	65.6	65.6	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
60.7	61.3	69.4	69.5	69.5	69.9	69.9	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
67.7	68.2	70.2	70.3	70.3	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
68.5	69.1	71.2	71.3	71.3	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
69.9	70.3	72.5	72.6	72.6	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
73.0	71.1	73.3	73.4	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
77.2	77.8	80.0	80.1	80.1	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
79.4	81.3	82.5	82.7	82.7	83.0	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4
82.8	83.9	86.7	86.8	86.8	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6
82.9	84.1	86.8	87.0	87.0	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7
85.0	85.1	89.5	89.6	89.6	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.4
87.0	88.4	92.3	92.5	92.5	92.8	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.3	93.3	93.3
87.7	89.1	93.3	93.4	93.4	94.0	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5
87.7	89.1	93.5	93.7	93.7	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.7	94.7	94.7
87.9	89.5	94.0	94.1	94.1	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2
88.0	89.6	94.3	94.5	94.5	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9
88.3	90.1	95.1	95.3	95.3	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0
88.3	90.2	95.2	95.5	95.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1
88.3	90.2	95.2	95.5	95.5	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.4	97.4	97.4
88.3	90.2	95.3	95.6	95.6	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8
88.3	90.2	95.3	95.6	95.6	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.6
88.3	90.2	95.3	95.6	95.6	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.6
88.3	90.2	95.3	95.6	95.6	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.6	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS 636

CEILING VERSUS VISIBILITY

2

73-51

73-51

850

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

300-1500

51.1	51.1	52.8	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3
55.2	56.2	57.9	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.7	58.7	58.7	58.7
55.8	56.8	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3
56.8	56.8	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3
56.8	56.8	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3
56.8	56.8	58.5	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.4	59.4	59.4	59.4
57.9	57.9	59.7	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.5	60.5	60.5	60.5
58.2	58.2	60.0	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.7	60.7	60.7	60.7
63.6	63.6	65.4	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	66.1	66.1	66.1	66.1
65.3	65.3	70.3	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	71.0	71.0	71.0	71.0
67.9	67.9	71.0	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7
67.9	67.9	71.0	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7
69.4	69.4	72.0	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.8	72.8	72.8	72.8
70.5	70.5	73.1	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8
71.5	71.5	74.2	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9
75.1	75.1	77.2	77.2	77.2	77.2	77.2	77.2	77.5	77.5	77.5	77.6	77.6	77.6	77.6
77.9	77.9	82.7	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.5	83.5	83.5	83.5
80.7	80.7	85.9	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
83.7	83.7	86.3	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	87.1	87.1	87.1	87.1
85.7	85.7	89.0	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.8	90.1	90.1	90.1	90.1
87.7	87.7	91.5	92.1	92.1	92.2	92.2	92.2	92.5	92.5	92.5	92.7	92.7	92.7	92.7
88.1	88.1	92.5	93.1	93.1	93.2	93.2	93.2	93.4	93.4	93.4	93.7	93.7	93.7	93.7
88.1	88.1	92.6	93.2	93.2	93.3	93.3	93.3	93.5	93.5	93.5	93.8	93.8	93.8	93.8
88.2	88.2	93.0	93.5	93.5	93.7	93.7	93.7	93.9	93.9	93.9	94.1	94.1	94.1	94.1
88.3	88.3	93.3	94.0	94.0	94.1	94.1	94.1	94.4	94.4	94.4	94.6	94.6	94.6	94.6
88.4	88.4	93.5	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.9	94.9	94.9	94.9
88.8	88.8	94.0	94.9	94.9	95.1	95.1	95.1	95.6	95.6	95.6	95.8	95.8	95.8	95.8
88.8	88.8	94.5	95.3	95.3	95.9	95.9	96.4	96.8	97.0	97.0	97.3	97.3	97.3	97.3
88.3	88.3	94.5	95.3	95.3	96.1	96.1	96.7	97.1	97.4	97.4	97.6	97.6	97.6	97.6
88.8	88.8	94.5	95.3	95.3	96.2	97.1	97.6	97.8	97.8	97.8	98.1	98.2	98.3	98.3
88.8	88.8	94.5	95.3	95.3	96.2	97.1	97.6	97.8	97.8	97.8	98.2	98.4	98.7	98.7
88.8	88.8	94.5	95.3	95.3	96.2	97.1	97.6	97.8	97.8	97.8	98.4	98.8	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 637

UNAF STA. ...

# CEILING VERSUS VISIBILITY

2

STATION: TITREBOU AD SP

70-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

600-900

44.1	44.1	50.3	50.5	50.5	50.7	50.8	50.8	50.9	50.9	50.9	50.9	51.0	51.0	51.1
50.9	50.9	55.0	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.2	56.2
53.7	53.9	55.2	55.8	55.9	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.5
55.7	55.7	55.2	55.8	55.9	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.5
53.9	57.3	55.2	55.8	55.9	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.5
54.1	54.1	55.6	56.2	56.3	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.8	56.8	56.9
55.4	55.4	56.9	57.5	57.6	57.7	57.6	57.8	57.9	57.9	57.9	57.9	58.1	58.1	58.2
57.5	57.5	58.1	58.7	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.3	59.3	59.4
60.3	60.3	61.9	62.5	62.6	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.3
66.4	66.4	68.0	68.6	68.7	68.8	69.1	69.1	69.2	69.2	69.2	69.2	69.3	69.3	69.4
67.1	67.3	68.8	69.4	69.5	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.3
67.3	67.4	68.9	69.5	69.7	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.4
67.7	67.9	69.4	70.0	70.1	70.3	70.8	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.2
69.6	64.9	70.5	71.1	71.2	71.3	71.9	71.9	72.0	72.0	72.0	72.0	72.2	72.2	72.3
70.3	70.6	72.2	72.8	72.9	73.0	73.6	73.6	73.7	73.7	73.7	73.7	73.8	73.8	74.0
73.5	76.0	77.7	78.4	78.5	78.6	79.2	79.2	79.3	79.3	79.3	79.3	79.5	79.5	79.6
75.6	79.1	81.0	81.7	81.8	82.0	82.6	82.6	82.7	82.7	82.7	82.7	82.8	82.8	82.9
80.1	82.6	84.8	85.5	85.7	85.8	86.4	86.4	86.5	86.5	86.5	86.5	86.6	86.6	86.7
82.2	82.7	84.9	85.8	85.9	86.0	86.6	86.6	86.7	86.7	86.7	86.7	86.9	86.9	87.0
83.5	84.2	86.7	87.7	87.8	88.1	88.6	88.6	88.8	88.8	88.8	88.8	88.9	88.9	89.0
84.7	85.4	88.3	89.4	89.5	89.7	90.3	90.3	90.4	90.4	90.4	90.4	90.6	90.6	90.7
85.3	85.5	89.1	90.2	90.3	90.7	91.3	91.3	91.4	91.4	91.4	91.5	91.6	91.6	91.8
85.8	87.0	89.6	90.7	90.8	91.2	91.8	91.8	91.9	91.9	91.9	92.0	92.1	92.1	92.2
85.9	87.1	89.8	91.0	91.2	91.5	92.1	92.1	92.2	92.2	92.2	92.2	92.4	92.5	92.6
86.4	87.7	90.8	92.1	92.2	92.7	93.3	93.4	93.5	93.5	93.5	93.5	93.7	93.8	93.9
86.5	87.8	91.3	92.7	92.8	93.3	93.9	94.0	94.1	94.1	94.1	94.1	94.3	94.4	94.5
86.9	88.3	92.0	93.5	93.7	94.1	95.0	95.1	95.2	95.2	95.2	95.2	95.3	95.5	95.6
87.0	89.3	92.5	94.0	94.1	94.9	95.8	95.9	96.2	96.2	96.2	96.2	96.3	96.4	96.5
87.1	88.3	92.5	94.0	94.1	95.2	96.3	96.7	97.3	97.4	97.4	97.4	97.5	97.6	97.7
87.3	88.3	92.5	94.0	94.1	95.2	96.3	96.7	97.4	97.5	97.5	97.6	97.7	98.0	98.0
87.7	88.3	92.5	94.0	94.1	95.2	96.3	96.7	97.4	97.5	97.6	97.6	98.0	98.3	98.6
87.0	88.3	92.5	94.0	94.1	95.2	96.3	96.7	97.4	97.6	97.7	98.1	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 837



MONTHLY CLIMATOLOGY - RANCH  
OFFICE TAC  
U.S. WEATHER SERVICE/TWAC

# CEILING VERSUS VISIBILITY

TORREJON AB, CP

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1900-1100

44.3	44.7	46.5	45.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
51.3	52.4	54.5	54.9	55.0	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
51.3	52.4	54.5	54.9	55.1	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
51.3	52.4	54.5	54.9	55.0	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
51.8	52.4	54.5	54.9	55.0	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
52.2	52.4	54.9	55.3	55.4	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
53.5	54.2	56.3	56.7	56.8	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
56.3	57.2	59.9	60.3	60.4	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
57.9	58.7	61.8	62.2	62.3	62.9	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
58.7	59.6	62.7	63.0	63.2	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
59.9	59.7	62.8	63.2	63.3	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
59.0	59.4	62.9	63.3	63.4	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
61.0	60.9	64.1	64.5	64.6	65.3	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
63.2	64.1	67.3	67.7	67.8	68.8	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
68.9	69.9	73.2	73.6	73.7	74.6	75.1	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
71.7	72.7	76.4	76.9	77.0	78.2	78.7	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
74.5	76.1	81.5	81.1	81.2	82.4	83.0	83.0	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
74.9	76.6	81.1	81.7	81.8	83.0	83.6	83.6	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
77.2	79.1	84.1	84.7	84.8	86.4	87.1	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
79.5	80.4	86.1	86.7	86.8	88.6	89.4	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
79.1	81.1	87.0	87.7	87.8	89.7	90.6	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
79.1	81.1	87.0	87.8	87.9	90.0	90.9	90.9	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
79.1	81.1	87.1	88.0	88.2	90.4	91.7	91.7	92.2	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
79.1	81.3	87.6	88.5	88.6	91.1	92.5	92.5	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
79.2	81.5	87.9	89.1	89.2	92.0	93.5	93.5	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
79.2	81.5	88.2	89.4	89.5	92.2	93.9	94.1	94.7	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3
79.2	81.5	88.3	89.5	89.8	92.6	94.4	94.5	95.5	95.7	95.8	95.9	96.1	96.1	96.1	96.1	96.1
79.2	81.5	88.4	89.6	90.0	92.7	95.1	95.2	96.5	96.8	96.9	97.4	97.5	97.5	97.5	97.5	97.5
79.2	81.5	88.4	89.6	90.0	92.8	95.3	95.5	97.0	97.4	97.5	98.0	98.1	98.1	98.1	98.1	98.1
79.2	81.5	88.4	89.6	90.0	92.8	95.3	95.5	97.0	97.4	97.5	98.0	98.1	98.1	98.1	98.1	98.1
79.2	81.5	88.4	89.6	90.0	92.8	95.3	95.5	97.0	97.4	97.5	98.0	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 836

NATIONAL CLIMATOLOGY BRANCH  
WASH DC  
AIR WEATHER SERVICE 7440

# CEILING VERSUS VISIBILITY

TERRACON, ALBUQ

73-81

265

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

11 7-1400

46.3	46.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
51.2	51.4	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
51.4	52.1	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
51.4	52.1	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
51.6	52.2	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
51.9	52.5	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
54.4	55.0	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
56.4	57.5	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
59.9	60.4	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
60.0	61.1	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
61.3	61.4	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
61.4	61.1	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
62.2	62.8	65.4	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
64.5	65.1	67.7	68.1	68.1	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
72.5	73.1	76.0	76.3	76.3	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
76.0	75.6	79.7	80.0	80.1	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
76.5	79.4	83.3	83.6	84.0	84.2	84.2	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6
76.8	79.8	83.6	84.0	84.3	84.6	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
80.9	81.8	86.0	86.4	86.7	87.1	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6
81.9	82.9	87.7	88.0	88.4	88.9	89.0	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5
83.3	84.3	89.8	90.2	90.6	91.4	91.5	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0
83.5	84.6	90.2	90.9	91.3	92.1	92.2	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7
83.6	84.9	90.7	91.5	91.9	92.7	93.2	93.2	93.7	93.7	93.7	93.7	93.8	93.8	93.8
83.7	84.9	91.4	92.2	92.7	93.5	94.1	94.3	94.7	94.7	94.7	94.7	94.9	94.9	94.9
83.7	84.9	92.1	93.1	93.5	94.4	95.1	95.3	95.8	95.8	95.8	95.8	95.9	95.9	95.9
83.7	84.9	92.2	93.3	93.8	94.7	95.8	96.1	96.7	96.7	96.7	96.7	96.8	96.8	96.8
83.7	84.9	92.2	93.3	93.9	94.9	96.3	96.7	97.4	97.5	97.5	97.5	97.7	97.7	97.7
83.7	84.9	92.2	93.3	94.1	95.1	96.7	97.1	98.1	98.2	98.2	98.2	98.4	98.4	98.4
83.7	84.9	92.2	93.3	94.1	95.1	96.7	97.1	98.2	98.3	98.4	98.6	98.9	98.9	98.9
83.7	84.9	92.2	93.3	94.1	95.1	96.7	97.1	98.2	98.3	98.6	98.7	99.2	99.2	99.2
83.7	84.9	92.2	93.3	94.1	95.1	96.7	97.1	98.2	98.3	98.6	98.7	99.2	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 636

FEDERAL BUREAU OF SURVEY  
METEOROLOGICAL SERVICE/MAIL

# CEILING VERSUS VISIBILITY

STATION: TORONTO, ONT. (C)

73-01

250

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1950-1950

46.5	46.7	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
54.7	54.4	56.3	56.3	56.3	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
54.3	54.9	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
54.3	54.9	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
54.9	55.7	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
55.9	56.3	57.5	57.5	57.5	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
57.8	57.9	59.4	59.4	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7
61.1	61.2	62.8	62.8	62.8	62.9	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1
63.3	63.4	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
66.0	66.1	67.7	67.7	67.7	67.8	67.8	67.8	67.9	67.9	67.9	68.1	68.1	68.1	68.1
66.5	66.7	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.7	68.7	68.7	68.7
67.1	67.1	68.7	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0
68.7	68.8	70.3	70.3	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8
71.2	71.3	72.8	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3
77.3	78.1	80.0	80.0	80.0	80.1	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5
82.4	82.9	85.0	85.0	85.0	85.2	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.5	85.5
84.4	85.2	87.9	87.9	88.0	88.2	88.5	88.5	88.6	88.6	88.6	88.8	88.8	88.8	88.8
85.2	85.9	88.6	88.6	88.8	88.9	89.2	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.5
87.6	88.3	91.5	91.5	91.7	91.9	92.2	92.3	92.6	92.6	92.6	92.7	92.7	92.7	92.7
88.2	89.1	92.5	92.5	92.7	92.8	93.2	93.4	93.8	93.8	93.8	93.9	93.9	93.9	93.9
88.5	89.6	93.1	93.1	93.3	93.5	94.0	94.3	94.7	94.7	94.7	94.9	94.9	94.9	94.9
88.8	90.0	93.4	93.5	93.8	94.1	94.7	95.1	95.5	95.5	95.5	95.6	95.6	95.6	95.6
89.0	90.2	94.5	94.7	95.0	95.6	96.4	96.7	97.1	97.1	97.1	97.2	97.2	97.2	97.2
89.2	90.4	94.7	95.0	95.2	95.8	96.8	97.0	97.5	97.5	97.5	97.6	97.6	97.6	97.6
89.5	90.7	95.1	95.3	95.7	96.3	97.2	97.5	98.1	98.1	98.1	98.2	98.2	98.2	98.2
89.5	90.7	95.1	95.3	95.8	96.7	97.6	97.8	98.4	98.4	98.4	98.6	98.6	98.6	98.6
89.5	90.7	95.1	95.3	95.8	96.9	97.8	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0
89.5	90.7	95.1	95.3	95.8	96.9	97.8	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.3
89.5	90.7	95.1	95.3	95.8	96.9	97.8	98.6	99.2	99.2	99.2	99.4	99.4	99.4	99.4
89.5	90.7	95.1	95.3	95.8	96.9	97.8	98.6	99.2	99.2	99.2	99.4	99.4	99.4	99.4
89.5	90.7	95.1	95.3	95.8	96.9	97.8	98.6	99.2	99.2	99.2	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 835

GRAPHICALLY PRESENTED BY THE METEOROLOGICAL SERVICE





# CEILING VERSUS VISIBILITY

INTERNATIONAL REPORT ON  
CEILING AND VISIBILITY

47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	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: 1000

CEILING VERSUS VISIBILITY

70.5	71.4	72.1	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
71.5	71.4	72.6	72.7	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
71.5	71.9	72.6	72.7	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
71.5	71.3	73.3	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
72.4	73.7	73.7	73.4	73.4	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
73.8	74.2	74.9	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
73.7	73.3	83.3	81.2	81.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
81.7	82.4	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	83.6	83.6	83.6	83.6
82.3	82.3	83.3	83.9	83.9	84.3	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
83.7	83.2	84.1	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
84.1	83.1	84.4	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
84.9	84.3	85.4	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
85.9	84.4	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
86.4	81.3	88.2	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
87.3	88.5	88.7	88.4	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
87.7	88.3	88.3	88.5	88.5	88.5	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
88.8	84.8	88.2	88.5	88.5	88.7	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
89.3	88.7	88.3	87.7	87.7	87.7	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
89.5	88.3	87.2	87.5	87.5	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
89.5	87.4	87.3	87.7	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
89.7	87.4	87.5	87.9	87.9	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
89.7	88.6	87.7	88.1	88.1	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
89.7	88.6	87.8	88.2	88.2	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	88.8
89.8	88.7	87.9	88.3	88.4	88.7	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
89.8	88.7	88.3	88.4	88.4	88.8	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
89.8	88.7	88.3	88.4	88.5	88.9	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
89.8	88.7	88.3	88.4	88.5	88.9	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
89.8	88.7	88.3	88.4	88.5	88.9	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS 73562

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse



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

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

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

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

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

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

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

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

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

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

1. NAME OF STATION  
 2. LOCATION  
 3. ELEVATION  
 4. STATE  
 5. COUNTY  
 6. STATION NAME

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

TEMP. (F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100													
95													
90													
85													
80													
75													
70													
65													
60													
55													
50													
45													
40													
35													
30													
25													
20													
15													
10													
5													
0													
MEAN	51.2	52.2	57.8	62.6	71.5	81.0	87.2	88.0	79.0	67.0	56.3	51.0	57.0
TOTAL OBS	61	67	74	77	74	71	74	74	72	74	75	77	74

CLIMATOLOGY AND

# DAILY TEMPERATURES

STATION:   
 STATION NAME:   
 YEARS:

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

TEMP. °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100							0.1	0.1					
95						0.1	0.4	1.2					
90					0.2	1.8	11.3	1.7					
85					1.2	15.5	54.2	49.6	17.1				
80				0.1	10.7	47.8	81.9	81.9	57.0	1.0			
75	0.1	1.7	4.7	7.5	30.4	75.3	95.5	96.9	79.3	30.0	4.1	2.7	17.7
70	7.0	15.4	17.0	21.3	45.1	64.2	100.0	99.0	74.2	43.0	17.7	4.5	30.0
65	12.0	24.8	26.2	30.0	56.6	98.9		100.0	95.5	74.5	30.9	25.0	30.0
60	18.0	32.3	39.7	37.0	68.5	100.0			100.0	90.3	58.9	41.0	30.0
55	21.0	37.3	46.7	42.9	79.5					97.7	76.8	55.0	30.0
50	26.0	43.2	59.9	47.8	89.9					99.5	68.4	71.3	30.0
45	28.5	52.2	67.7	49.5	100.0					99.9	67.5	88.7	30.0
40	30.0	55.5	79.6	100.0							100.0	88.0	30.0
35	34.7	59.7	100.0									100.0	30.0
30	35.0	59.9											30.0
25													30.0
20													30.0
15													30.0
10													30.0
5													30.0
0													30.0
MEAN	7.4	15.0	17.0	21.2	46.3	60.0	71.5	66.0	53.0	46.4	37.3	34.0	44.4
TOTAL HRS.	677	747	741	717	744	717	744	704	707	774	757	777	3043

USAFACT 1955. 5 OF 11. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

WINDY HARBOR, ALASKA

# DAILY TEMPERATURES

STATION NAME

STATION

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP °F	IAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1							.1	.1					.1
2							.2	.3					.3
3							.7	.8					.8
4						.4	1.7	11.2					1.7
5					.4	17.3	51.3	48.4	11.7				17.3
6					3.9	37.6	81.1	80.4	35.6				37.6
7					.3	15.8	27.8	96.9	64.6	7.9			15.8
8		.1	1.7	8.2	48.5	87.5	99.9	100.0	97.0	74.2	.9		8.2
9		1.1	12.4	33.6	75.7	93.7	100.0		97.8	68.3	1.7	1.1	12.4
10	.4	15.5	41.2	70.2	84.1	100.0			100.0	91.1	35.4	11.9	15.5
11	22.3	49.0	72.1	83.2	89.5					91.3	70.1	36.6	22.3
12	38.4	80.9	92.6	98.9	100.0					91.2	91.8	67.1	38.4
13	49.9	93.9	99.7	100.0						91.5	99.0	91.8	49.9
14	59.9	99.4	100.0							91.5	100.0	99.7	59.9
15	67.7									91.5		99.7	67.7
16	74.7									91.5		100.0	74.7
17	80.7												80.7
18	86.7												86.7
19	90.7												90.7
20	93.7												93.7
21	97.7												97.7
22	100.0												100.0
MEAN		44.2	48.5	52.2	59.1	67.2	74.6	72.7	67.1	57.3	47.3	40.7	60.0
SD		11.5	16.9	15.6	11.8	6.3	4.4	4.7	5.1	3.6	3.4	2.8	10.0
TOTAL OBS		577	747	777	744	714	744	744	720	774	714	727	744

ALBUQUERQUE, NM  
 METEOROLOGICAL  
 SERVICE

**EXTREME VALUES**  
 MAXIMUM 1-MO. RAIN

FROM DAILY OBSERVATIONS

77 TERRAJUN 3 JP  
 STATION STATION NAME

57-51

YEARS

W H O L T D E G R E E S F A H R E N H E I T

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
70										73	64*		
71	57	67	71	82	86	87	101	87	81	81	69	64	77
72	65	74	79*	77	80	80	101	85	87	77	67	67	77
73	64	69	76	74	89	84	98	97	93	84	68	65	74
74	61	64	67	83	83	82	96	99	94	82	60	61	77
75	61	61	65	70	82	85	95	87	87	80	64	64	77
76	62	64	68	77	82	84	96	95	84	82	67	64	75
77	67	60	76	77	91	89	98	103	77	76	66	61	77
78	61	61	66	75	87	85	104	101	89	84	67	64	74
79	62	64	73	77	83	86	106	96	81	80	71	61	74
80	61	69	74	77	83	101	101	87	91	87	71	68	71
81	62	66	65	76	83	85	101	89	80	74	65	66	71
82	64	63	66	81	88	94	98	94	83	85	76	64	74
83	64	68	62	71	75	81	101	98	87	82	66	64	71
84	65	67	68	73	89	83	98	83	81	71	64	64	75
85	67	62	64	75	86	81	98	100	87	75	69	64	71
86	61	60	73	71	91	81	100	100	87	78	66	64	71
87	61	64	66	78	75	91	102	104	87	85	71	67	78
88	60	63	76	77	86	95	96	103	87	80	61	61	75
89	62	64	70	82	84	71	100	86	83	84	60	62	71
90	62	66	71	73	78	82	104	93	85	86	60	66	74
91	61	62	69	84*	83	102	95	91	81	80	64	64	70
92	64	64	73	76	77	85	100	102	81	86	72	69	70
93	61	64	70	71	82	100	102	83	87	80	75	63	70
MEAN	63.0	63.1	66.7	75.1	84.3	93.4	99.7	98.0	91.0	79.8	67.4	67.0	76.7
S D	1.31	4.70	3.24	3.84	4.21	4.15	2.56	3.33	4.77	5.03	4.01	3.74	3.91
TOTAL OBS	741	577	747	717	744	719	744	744	70	774	100	721	494

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0885 (OIA) JUL 64

4 (AT LEAST ONE DAY LESS THAN 24 OBS)



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

# PSYCHROMETRIC SUMMARY

STATION: **LAWRENCE AB GP** STATION NAME

73-51

YEARS

JAN

PAGE: 1 0004-2000  
 00014-0000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point							
5 / 35		.4																																	3	3					
6 / 36		1.0	.7																																17	17	4				
7 / 37	.1	1.4	.8	.7																															25	19	9				
8 / 38		1.7	.6	.4																															20	21	17				
9 / 39	.5	4.1	1.2																																45	42	14				
10 / 40	.8	5.2	1.4																																56	56	47				
11 / 41	.6	5.1	2.0	.2																															72	72	55				
12 / 42	.9	4.8	1.8	.3																															61	61	44				
13 / 43	1.2	4.7	2.2	.7																															73	73	57				
14 / 44	.9	3.3	2.3	.2																															53	53	56				
15 / 45	.7	6.9	3.9	.4																															100	100	55				
16 / 46	.8	6.2	3.1																																62	62	49				
17 / 47	.4	5.7	1.8																																56	66	53				
18 / 48	1.1	6.7	1.1																																73	73	48				
19 / 49	1.1	3.8	1.8																																74	54	50				
20 / 50		1.8																																	48	48	34				
21 / 51		.8																																	4	4	45				
22 / 52		.2																																	2	2	5				
23 / 53																																					2	2	14		
24 / 54																																						4	4	7	
25 / 55																																							1	1	1
TOTAL		.64	.52	.3	3.2	.2																													836	855	955				

USAFETAC FORM 0-76.5 (OL A) 0-76.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum.	5040000	69452	83.1	9.714	836							
Dry Bulb	1253777	31311	38.1	7.25	836		23.3					23
Wet Bulb	1132756	30174	36.1	7.112	836		33.9					33
Dew Point	80272	27504	33.5	4.157	836		47.1					47





FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

STATION 211 TORREJON AL SP STATION NAME

75-01

YEARS

3

PAGE 1 22007800

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.	Wet Bulb	Dew Point	
5			.3	.1																																	
7			.3	.2	.1	.1																															
9		.1	1.5	.5																																	
11		.1	.1	.8																																	

Element	$\Sigma$	$\bar{X}$	$\sigma$	No. Obs.	Mean No. of Hours with Temperature						
Rel Hum					< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Dir Bulb											
Wet Bulb											
Dew Point											

123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789

USA ETAC FORM 0 26 5 (G.L.A.) REVISIONS TO FORMS OF THIS CATEGORY



# PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

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

Element	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature						
Rel Hum						< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26.5 (EOL A) MONTHLY PSYCHROMETRIC SUMMARY (FORM 48) 8-1979

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

PERIOD

Temp - F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	TOTAL																															
	WET BULB TEMPERATURE DEPRESSION - F.																															DB	WB	DB	WB	DB	WB							TOTAL	TOTAL																				
Element	X	Σ x'	Σ x	̄x	σ <sub>x</sub>	No. Obs	Mean No. of Hours with Temperature																																																										
Rel Hum							0 F	32 F	67 F	73 F	80 F	93 F																																																					
Dry Bulb																																																																	
Wet Bulb																																																																	
Dew Point																																																																	

USAFETAC Form 0265 (05-61) REPT WMO 510-82-100-20-10-1-1

OFFICIAL METEOROLOGICAL STATION  
 STATION NUMBER: 7500

# PSYCHROMETRIC SUMMARY

STATION: KANGAROO AB SA (STATION NAME) 1961 YEARS: 1961  
 PAGE: 1 OF 1

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.	Dr. Bulb	Wet Bulb	Dew Point		
57																																					
58			.1																																		
59		.1	1.4	.5																																	
60		.1	1.4	.5																																	
61		.1	1.4	.5																																	
62		.2	1.4	.5																																	
63		.2	1.4	.5																																	
64		.2	1.4	.5																																	
65		.2	1.4	.5																																	
66		.3	1.4	.5																																	
67		.3	1.4	.5																																	
68		.3	1.4	.5																																	
69		.3	1.4	.5																																	
70		.4	1.4	.5																																	
71		.4	1.4	.5																																	
72		.4	1.4	.5																																	
73		.4	1.4	.5																																	
74		.4	1.4	.5																																	
75		.4	1.4	.5																																	
76		.4	1.4	.5																																	
77		.4	1.4	.5																																	
78		.4	1.4	.5																																	
79		.4	1.4	.5																																	
80		.4	1.4	.5																																	
81		.5	1.4	.5																																	
82		.5	1.4	.5																																	
83		.5	1.4	.5																																	
84		.5	1.4	.5																																	
85		.5	1.4	.5																																	
86		.5	1.4	.5																																	
87		.5	1.4	.5																																	
88		.5	1.4	.5																																	
89		.5	1.4	.5																																	
90		.5	1.4	.5																																	
91		.5	1.4	.5																																	
92		.5	1.4	.5																																	
93		.5	1.4	.5																																	
94		.5	1.4	.5																																	
95		.5	1.4	.5																																	
96		.5	1.4	.5																																	
97		.5	1.4	.5																																	
98		.5	1.4	.5																																	
99		.5	1.4	.5																																	
100		.5	1.4	.5																																	

USAFETAC Form 0 26 5 (0-61) REVISION 10-60 (FORMERLY FORM 0-100) 10-60





NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 DISTRICT OF COLUMBIA SERVICE CENTER

**PSYCHROMETRIC SUMMARY**

STATION: DUBLIN, ALABAMA  
 STATION NAME: DUBLIN, ALABAMA

73-53

YEARS:

PAGE 1 OF 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	De-P	
79			.2																																	2	
78		.4	.2																																		4
77		1.1	.2	.6																																	17
76		1.2	.7	.8	.4																																24
75		.8	.7	.1																																	19
74	.5	2.4	.7	.1																																	32
73	.5	7.4	1.6	1.5																																	53
72	1.1	4.5	1.7	.2																																	65
71	.2	4.9	3.2	2.5																																	75
70	.5	4.2	3.9	.6	.1																																71
69	1.2	5.5	2.9	1.7																																	74
68		4.5	3.2	.4																																	59
67	.5	6.2	2.3	.2																																	62
66	.4	2.9	1.1																																		35
65	.2	3.9	1.5																																		59
64	1.8	3.6	.1																																		45
63	.5	2.5																																			28
62	.6	1.4																																			17
61		.6																																			5
60		.5																																			4
59																																					7
58																																					4
57																																					3
56																																					3
1 / 55																																					3
TOTAL	1.2	30.0	22.5	7.4	.9																																636

Element (X)	Zx'	Zx	X	f <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3736	57542	37.110	42	534							45
Dry Bulb	12042	71921	35.1	7.454	537							45
Wet Bulb	11294	7133	36.7	7.23	534							45
Dew Point	7545	27573	33.7	3.125	536							45

USAFETAC FORM 0-26.5 (OLAI) JUL 64 REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE









NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAD

# PSYCHROMETRIC SUMMARY

STATION: TUNRUCUN AB SP  
 STATION NAME: TUNRUCUN AB SP

7-6-61

YEARS:

JAN

PAGE 1 2129-2740  
 40,850

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.	TOTAL 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		
/ 77				.1																														1	1				
5 / 75			.4																														3	3					
/ 73		.5	1.1																														15	15	4				
/ 71		2.0	1.3	.5																												32	32	5					
/ 69		1.7	1.1	.7																												59	59	7					
/ 67		3.3	2.0	.8																												47	47	12					
/ 65	.1	4.9	2.7	.4																												56	56	5					
/ 63	.7	4.9	3.5	.8	.1																											54	54	30					
/ 61	.5	5.5	4.2	2.2	.7																											119	119	52					
/ 59	.4	3.5	5.5	1.4																												91	91	54					
/ 57	.5	5.5	4.7	.5																												96	96	59					
/ 55	.4	5.5	4.8	.2																												93	93	54					
3 / 53	.5	3.5	2.6	.7																												62	62	75					
/ 51		2.2	1.7																													52	52	47					
/ 49	.1	3.5	1.1	.2																												42	42	55					
/ 47	.1	1.3	1.0																													70	70	45					
/ 45		.4																														5	5	67					
/ 43																																		3	3	64			
/ 41																																				5	5	61	
/ 39																																					3	3	58
/ 37																																					3	3	55
/ 35	.3	5.0	5.3	7.3	5.2	.5																												637	637	937			
TOTAL																																							

Element (X)	$\sum x'$	$\sum x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$= 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	
Rel. Hum.	543540	66532	79.81	.855	837							93
Dry Bulb	1572299	33455	4.0	6.254	837		19.5					93
Wet Bulb	1211183	31403	37.5	6.287	837		21.0					93
Dew Point	1020525	28541	34.1	7.546	837		41.1					93

USAFETAC FORM 164 0 26 5 (OL A) 19-50 (REVISED EDITION OF FORM 164-A) (1-5-57)



LOCAL METEOROLOGICAL BRANCH  
 METEOROLOGICAL  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION NO. APRIL-JUNE 45-51  
 STATION NAME

75-51

YEARS

PERIOD OF RECORD 1945-1951  
 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	
47-51																																					
48-51																																					
49-51																																					
50-51																																					
51-51																																					
52-51																																					
53-51																																					
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70-51																																					
71-51																																					
72-51																																					
73-51																																					
74-51																																					
75-51																																					
Totals	5.55	5.53	5.37	5.3	5.8	5.8	5.8	5.3	5.4	5.1																											
		752		762		762																															

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5,571.22	5,130.2	80.51	2.101	762	< 50 F	50-59 F	60-69 F	70-79 F	80-89 F	90-99 F	Total
Dry Bulb	1254.22	3,576	47.1	6.985	762		13.4					54
Wet Bulb	1121.53	2875.3	37.7	6.934	762		20.7					54
Dew Point	5539.2	262.2	34.4	8.345	762		35.2					54

USAFETAC FORM 0-26.5 (OLA) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE BRANCH  
 TOTAL  
 AIR SERVICE

# PSYCHROMETRIC SUMMARY

1951  
 1951  
 YEARS  
 0820-0820  
 0820

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.	Wet Bulb	Wet Bulb	Dew Point		
70											.1																							1	1		
71		1.2				.4																											12	13			
72		.4	.1			.1																											5	7	1	3	
73	.5	1.3	.5																														15	21	11	14	
74	.5	1.2	.7	.1	.1	.1																											21	27	17	11	
75	.1	2.4	.5				.1																										18	25	23	12	
76	.5	3.4	.1	.5																													31	47	40	21	
77	.1	3.1	1.3	.4	.1																												33	53	54	34	
78	.5	3.3	2.9	1.4																													74	79	73	47	
79	.5	4.5	3.5	.1																													31	51	47	40	
80	1.7	3.7	2.5	.7	.1																												77	77	75	58	
81	.7	5.3	2.5	.7																													71	72	74	51	
82	.7	5.7	4.2	.1																													67	67	70	57	
83		3.1	1.2																														12	20	14	24	
84		4.3	1.1																														41	41	34	34	
85	.1	2.5	.4	.1																													15	23	12	21	
86	1.4	3.5	.1	.1																													16	34	26	31	
87	.4	1.4																															14	14	24	45	
88	.1	.1																															1	2	15	33	
89		.1																															1	1	2	20	
90		.1																															1	1	1	1	
91																																					
92																																					
93																																					
94																																					
95																																					
96	11.4	58.7	23.3	5.7	.5	.1																												761	761	761	

Element	Σ x'	Σ x	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	
Rel Hum	325443	63429	52.710	9.723	761						
Dry Bulb	1430572	4951	35.2	7.401	761		17.7				34
Wet Bulb	133351	27543	36.2	7.391	761		28.6				34
Dew Point	92005	25225	33.3	8.564	761		39.7				34

USAFETAC FORM 0265 (CL A) 1-55 (REV. 1-55)







UNITED STATES AIR FORCE  
 RECORDING STATION  
 AIRCRAFT GRAVITY WIND

PSYCHROMETRIC SUMMARY

STATION: 10-1001-6 AIRCRAFT GRAVITY WIND

73-51

YEARS

65

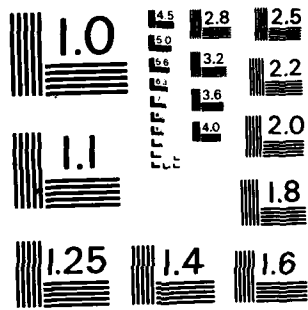
Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-MB	Dry Bulb	Wet Bulb	Days	
70																																				
71																																				
72																																				
73																																				
74																																				
75																																				
76																																				
77																																				
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94																																				
95																																				
96																																				
97																																				
98																																				
99																																				
100																																				
Σx	11.42	2.24	7.27	9.17	6.9																															
Σx <sup>2</sup>																																				

Element	Σx <sup>2</sup>	Σx	$\bar{x}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature
Rel Hum	3452.1	497.1	67.4	7.7	73	32 F
Dry Bulb	1335.1	371.9	50.9	5.4	73	50 F
Wet Bulb	1445.5	323.8	44.4	5.1	73	44 F
Dew Point	1751.4	263.8	36.1	7.6	73	36 F

USAFETAC FORM 0-26 (Rev. 6-59)





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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-81 YEARS: FEB MONTH: 1800-2000 HOURS: S. Y.

PAGE 1 1800-2000 HOURS 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	
4 / 63							.1		.7						.1	.1																		5	9		
5 / 61							.1	.8		.1					.3	.1																		11	11		
6 / 59							.3	.8	.4																									11	11		
7 / 57			.3	.5	.7	1.2	.9	.5	.3																									36	36		
8 / 55		1.6	.7	1.2	1.8	.9	.8	.3																										55	55	7	2
9 / 53		1.1	2.1	3.4	1.6	1.8	.8	.1	.1																									86	86	22	9
10 / 51		1.1	3.3	2.4	2.1	.8	.5																											77	77	32	14
11 / 49		1.2	1.8	1.0	1.7	.5	.3																											49	49	54	9
12 / 47		1.8	3.5	3.3	1.7	1.0	.3																											89	89	92	18
13 / 45	.9	4.6	6.4	3.5	3.5	.9	.3																											154	154	175	72
14 / 43		2.6	2.9	2.8	1.3	.7																												76	75	177	62
15 / 41		.9	1.8	2.0	.9		.1																											43	43	122	68
16 / 39		.7	1.3	1.3	.4																													28	29	51	69
17 / 37	.1		.8	.9	.3																													16	15	69	73
18 / 35		.1	.5	.8																														11	11	32	69
19 / 33	.4		.5																															7	7	32	42
20 / 31		.1	.1																															2	2	12	31
21 / 29		.3	.1																															3	3	14	54
22 / 27																																				2	57
23 / 25																																				1	40
24 / 23																																					18
25 / 21																																					12
26 / 19																																					12
27 / 17																																					7
28 / 15																																					2
29 / 13																																					2
TOTAL	1.4	16.7	26.5	23.2	16.9	9.1	4.7	.7	.5	.3																								762	762	762	

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

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum.	3481591	49971	65.6	16.395	762							84
Dry Bulb	1804306	36796	48.3	6.009	762		.6					84
Wet Bulb	1426171	32696	42.9	5.527	762		3.2					84
Dew Point	1062836	27788	36.5	8.064	762		25.9					84

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 27 TORREJON AFB SP STATION NAME 73-81 YEARS FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
4/ 63							.1	.1										2		2																	
4/ 51							.1											1		1																	
5/ 57		.4			.1													4		4																	
5/ 55		1.4		.4	.1	.1												16		16		3															
4/ 53		1.6	.4	.8	.1	.3												24		24		17															
2/ 51		1.7	2.2	.7	.3													37		37		9															
5/ 47	.1	1.8	1.4	.4	.5	.1												34		34		26															
4/ 47	.3	3.4	3.0	1.4	.3	.3												63		63		51															
4/ 45	.8	6.6	4.6	2.8	.5	.1												117		117		64															
4/ 43	.7	4.6	5.9	2.7	.3	.1												103		103		85															
2/ 41	.1	4.6	4.2	3.4	.3													96		96		86															
1/ 39		4.5	5.1	1.7	.5													90		90		83															
3/ 37	1.0	1.8	2.8	1.4	.3													56		56		82															
2/ 35		1.2	4.7	.9														52		52		73															
3/ 33	.1	1.3	2.3	.7														31		31		55															
2/ 31		.7	.8	.3														13		13		58															
3/ 29	.1	.8	.3															9		9		31															
2/ 27	.4	.5	.7															12		12		18															
1/ 25		.3																2		2		7															
2/ 23																						2															
2/ 21																																					
1/ 19																																					
1/ 17																																					
1/ 11																																					
TOTAL	3.7	35.7	38.1	6.8	3.3	.7	.7	.1										762		762		762															

Element (X)	Z <sub>g</sub> '	Z <sub>x</sub>	X	" <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4529856	57912	76.0	12.997	762							
Dry Bulb	1422718	32582	42.8	6.232	762		4.0					84
Wet Bulb	1224213	30171	39.6	6.237	762		12.8					84
Dew Point	1002575	26971	35.4	7.937	762		30.1					84

USAFETAC FORM AIR 84 0-26-5 (OL A) REVIS previous EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJON AB SP 73-61 FEB  
STATION MONTH YEARS

PAGE 1 ALL  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point	
57/55						.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	5	5		
47/63						.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	48	48		
7/51					.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	37	37		
7/59			.0	.1	.0	.2	.4	.3	.1	.0																								78	78			
7/57			.4	.3	.5	.6	.5	.4	.1	.0																							177	177	3			
57/55		1.0	.2	.8	.7	.7	.6	.2	.0																								259	259	48	3		
7/53	.1	.9	.8	1.4	.8	.8	.5	.0	.0																								328	329	127	66		
7/51	.2	1.6	1.7	1.0	1.1	.6	.4																										420	420	166	91		
57/47	.1	1.5	1.3	.6	.7	.5	.1																										299	299	373	76		
7/47	.2	2.4	2.0	1.6	.9	.7	.1																										433	433	452	164		
7/45	.9	5.9	3.2	1.9	1.5	.5	.1																										852	852	675	483		
47/43	1.1	2.8	2.6	1.4	.7	.2																											544	544	696	439		
27/41	.4	3.3	2.3	1.7	.4																												492	492	620	535		
7/37	.3	3.3	2.6	.9	.3																												448	448	555	490		
37/37	1.1	2.5	2.0	.8	.1																												399	399	576	547		
7/35	.3	2.4	2.2	.8																													348	348	481	553		
37/33	.3	2.1	1.7	.3																													274	274	395	420		
7/31		1.6	.6	.0																													138	139	374	282		
37/27	.7	2.1	.6	.0																													156	166	256	481		
7/27	.7	1.3	.4	.0																													156	156	187	555		
27/25	.3	.9	.1	.0																													83	83	116	371		
27/23	.2	.6	.0																														51	51	71	242		
27/21	.2	.1																															17	17	41	166		
7/19	.1	.0	.0																														6	6	9	134		
17/17		.1																															7	7	4	74		
17/15																																				5	14	
17/13																																					4	
17/11																																					5	
17/9																																					14	
17/7																																					6	
TOTAL		5.6	37.1	24.8	13.9	8.2	5.3	3.3	.7	.3	.1																							6095	6095	6095	6095	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	15017051	450487	73.9	16.806	6095							672
Wet Bulb	11991969	265435	43.5	8.423	6095		68.9					672
Dew Point	9966366	242478	39.8	7.245	6095		117.8					672
	7908393	213457	35.0	8.427	6095		258.9					672

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 277 IQRREJON AB SP STATION NAME 73-61 YEARS MAR MONTH  
 PAGE 1 1000-0200 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		
6 / 59																																			3	3		
5 / 57				.4	.1																														6	6		
5 / 55			.1	.5	.6																													12	12	1		
4 / 53			.2	.4	1.2	1.7																												35	35	8	3	
3 / 51			.5	1.1	2.4	1.1																												46	46	17	7	
5 / 49			.2	1.8	2.9	1.6																												59	59	36	15	
4 / 47			.2	4.8	4.8	1.6																												104	104	56	21	
5 / 45			.4	6.3	4.5	1.6																												115	115	89	71	
4 / 43			.8	5.6	3.3	1.6																												100	100	112	68	
2 / 41			.5	5.5	2.4	1.9																												88	88	113	65	
4 / 39	1.0		5.5	1.9	1.9																													89	89	96	109	
3 / 37			.7	2.6	2.9	1.3																												61	61	84	112	
2 / 35			.2	2.4	3.0	.8																												55	55	59	65	
3 / 33			.1	1.1	2.2	.1																												29	29	54	54	
2 / 31				.6	1.4																													17	17	39	45	
2 / 29				1.4	.4																													15	15	38	47	
2 / 27			.1		.2																													3	3	13	55	
2 / 25																																					4	42
2 / 23																																					29	
2 / 21																																					19	
2 / 19																																					1	
2 / 17																																					2	
1 / 15																																					1	
1 / 13																																					1	
TOTAL	5.1	139.2	34.1	15.4	4.4	1.4	.4																												837	837	937	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	51261.7	64415	77.0	13.347	837							93
Wet Bulb	16379.7	36329	43.4	6.398	837		3.9					93
Dew Point	11487.46	30386	36.3	7.388	837		27.4					93

USAFETAC FORM 0-26-5 (OL A) 1 MAR 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJON AS SP STATION NAME

73-81 YEARS

YEARS

MAR MONTH

PAGE 1 0300-0500 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				
57				.2																	.1														3	3				
55				.1					.1												.1														3	3				
53	.2	.2	.7	.7																															16	16	0	2		
51	.7	.7	1.6	.4	.1																													29	29	13	8			
49		1.5	1.1	.6	.2	.2																												31	31	16	4			
47	.1	2.8	2.8	1.1	.4	.1																												60	67	41	14			
45	.5	7.2	2.8	1.3	.1																													100	100	73	65			
43	.9	6.0	2.9	1.4																														93	93	67	49			
41	1.7	6.3	3.5	1.0	.1																													99	99	100	70			
39	1.4	7.1	2.9	.6																														100	100	92	81			
37	2.4	2.8	2.5	1.7	.1																													79	79	109	98			
35	1.7	4.7	3.2	.4	.1																													78	78	74	91			
33	.1	2.5	3.2	.2																														51	51	67	51			
31	.1	1.9	.6	.1																														23	23	67	33			
29	.2	3.2	.8																															36	36	53	68			
27	.5	1.8	.2																															21	21	32	62			
25	.5	.5																																8	9	17	41			
23	.1	.5																																5	5	7	60			
21		.1																																1	1	1	22			
19																																					1	1	1	1
17																																							3	
15																																							2	
13																																							2	
11																																							1	
TOTAL	0.349	9.29	.1	9.4	1.3	.6																													836	836	836	836		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5582300	67554	80.8	12.162	836	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1411333	33907	40.6	6.576	836		10.5					93
Wet Bulb	1251057	31899	38.2	6.371	836		19.8					93
Dew Point	1065306	29162	34.9	7.586	836		33.7					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 10RREJUN AB SP STATION NAME: 73-61 YEARS: MAR  
 MONTH: MAR  
 PAGE 1 1650-2850  
 HOURS: 5.1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point																		
69																																		1	1				
57																																			2	2			
55																																			2	2			
53																																				9	9	4	
51	1.0		.4	1.9		.1	.1																												29	29	13	12	
49			1.4	.8	.4	.1																													23	23	10		
47	.2	2.2	1.7	.2																															36	36	36	12	
45	.3	6.8	2.6	.6																															21	21	58	62	
43	.7	4.2	2.5	.2																															64	64	72	42	
41	1.7	5.6	2.6	.4																															86	86	75	62	
39	.6	6.5	3.9	1.0																															100	100	67	53	
37	3.2	4.1	3.0	1.8																															99	99	34	93	
35	1.7	6.2	3.0	.1																															92	92	96	91	
33	1.6	2.7	2.2	.1	.1																														51	51	35	65	
31	.5	2.9	1.3	.4																															42	42	34	33	
29	.6	3.6	1.2																																45	45	44	61	
27	1.2	2.3	.5																																33	33	53	56	
25	.8	1.3																																	18	18	36	57	
23	.2	.8																																	9	9	9	69	
21	.2	.2																																	4	4	4	24	
19		.1																																	1	1	2	13	
17																																						1	7
15																																							2
13																																							1
11																																							3
TOTAL	14.25	1.728	.1	5.3	.4	.2	.1																													837	837		837

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5660267	69419	82.9	11.408	837							
Dry Bulb	1309348	32592	38.9	6.912	837		16.9					93
Wet Bulb	1176444	30876	36.9	6.694	837		25.6					93
Dew Point	1017966	28462	34.0	7.743	837		36.1					93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJON AB SP  
STATION STATION NAME

73-01

YEARS

MA  
MONTH

PAGE 1 0900-1100  
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																				
47 / 53					.1	.1		.1										3	3																						
47 / 51					.2	.4												5	5																						
47 / 59				.5	.5	.1	.1	.1										13	13																						
47 / 57			.7	.6	.4	.2												15	15																						
50 / 55		.4	1.7	1.0	.7	.2	.5											37	37	3																					
47 / 53	.1	.7	1.9	2.2	.5	.2	.1											49	49	21	4																				
47 / 51	.4	.7	3.5	1.6	1.6	.4	.2											59	59	35	15																				
50 / 49		1.3	2.9	1.0	1.6	.2												59	58	34	15																				
47 / 47		2.7	3.8	1.3	1.2	.5												60	60	49	25																				
47 / 45	1.4	6.0	6.1	4.4	1.6	.4	.1											167	167	104	100																				
44 / 43	1.5	4.4	2.0	2.9	1.6	.1												100	100	112	79																				
42 / 41	.2	3.6	2.5	3.2	.8	.5												91	91	116	70																				
47 / 39	.5	2.3	3.1	.8	.4													59	59	86	105																				
47 / 37	.8	.7	1.7	1.0	.1													36	36	77	59																				
47 / 35	.2	1.0	1.2	.2														22	22	69	73																				
37 / 33	.2	.5	1.0	.1														15	15	36	66																				
47 / 31	.1	.5	.2															7	7	30	28																				
47 / 29	.1	.7	.1															8	8	16	53																				
47 / 27		.1	.1															2	2	5	62																				
47 / 25																				1	25																				
47 / 23																					50																				
42 / 21																					8																				
47 / 19																					5																				
47 / 17																					1																				
47 / 13																					2																				
47 / 11																					1																				
TOTAL	5.1	25.6	32.5	20.9	11.1	3.3	1.1	.2	.1										937	937	837	937																			
																						937	837																		
Element (X)	ΣX'	ΣX	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																														
Rel. Hum.	4562741	61195	73.1	15.021	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total																													
Dry Bulb	1738655	38337	45.8	6.250	837		1.9					93																													
Wet Bulb	1493778	35226	41.8	5.792	837		6.1					93																													
Dew Point	1222183	31091	37.1	7.521	837		24.6					93																													

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

GLOBAL CLIMATOLOGY BRANCH  
 USFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-81 YEARS: MAR MONTH: 1200-1400  
 PAGE 1 HOURS: 5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
75																																			3	3	
74																																			3	3	
69																																			5	5	
67																																			11	11	
65																																			12	12	
63																																			58	58	
61																																			53	53	2
59																																			55	55	3
57																																			97	97	24
55																																			97	97	29
53																																			96	96	50
51																																			96	96	72
49																																			67	67	100
47																																			75	75	93
45																																			75	75	115
43																																			71	71	122
41																																			7	7	86
39																																			2	2	63
37																																			1	1	45
35																																					14
33																																					4
31																																					1
29																																					
27																																					
25																																					
23																																					
21																																					
19																																					
17																																					
15																																					
13																																					
11																																					
TOTAL	.7	5.6	9.6	19.7	25.8	21.1	11.2	3.0	2.2	.7	.4																								937	937	
																																				837	837

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	2403215	47551	56.8	15.536	837							
Dry Bulb	2472667	45191	54.0	6.257	837			2.4	.3			93
Wet Bulb	1821469	38787	46.3	5.365	837			.1				93
Dew Point	1265325	31847	38.0	8.006	837			24.6				93

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

Q 277 TORREJON AB SP STATION NAME

73-81 YEARS

484 MONTH

PAGE 1 1500-1700 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																					
7 / 77												.4																						3	2								
6 / 78												.2	.1												.2										5	5							
5 / 79											.2	.5	.4	.1											.2										1	1							
4 / 71											.1	.2	.8	.5	.1	.2																			17	17							
3 / 69											1.2	1.2	.2	.4	.6																					30	3						
2 / 67								.5	.5	.4	.2	.4																								16	16						
1 / 65					.7	.1	2.2	3.6	1.8	.7	.7																									39	39						
0 / 63				.2	.2	1.8	1.7	1.0	.9	.1																										32	32						
7 / 61				.1	3.3	2.7	2.9	1.8	.9	.2																										49	49						
6 / 59				.1	2.1	2.6	2.3	2.7	1.9	.4																										100	100	12					
5 / 57		.1	.1	2.1	2.6	2.3	2.7	1.9	.4																											102	102	35					
4 / 55		.2	1.0	1.5	1.4	2.5	2.9	1.6	.1																												94	94	44				
3 / 53			1.0	1.4	2.7	2.4	2.5	.1																												65	65	50	7				
2 / 51		.6	.7	1.3	1.4	1.9	1.4																														62	62	105	21			
1 / 49		.5	.7	1.0	.4	1.2	.7																														37	37	107	12			
0 / 47		.4	2.2	1.4	1.2	1.6	.5																														60	60	97	41			
7 / 45	.2		.6	.4	1.9	.6																															33	33	127	104			
6 / 43		.4	.4	.1	.1																																6	9	99	75			
5 / 41			.4																																		3	3	60	72			
4 / 39			.1																																		1	1	51	83			
3 / 37		.1																																			1	1	23	63			
2 / 35																																								7	64		
1 / 33																																									44		
0 / 31																																									26		
7 / 29																																									66		
6 / 27																																									65		
5 / 25																																									46		
4 / 23																																									34		
3 / 21																																									10		
2 / 19																																									2		
1 / 13																																									3		
TOTAL	.2	2.5	7.0	10.3	16.0	20.3	22.7	10.8	5.3	3.2	.9	.9																												837	837	537	

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2251054	41386	49.4	15.648	837							
Dry Bulb	2792472	47888	57.3	7.018	837			9.0	2.0			93
Wet Bulb	1519998	39842	47.6	5.340	837							93
Dew Point	1217169	31215	37.3	7.967	837		27.9					93

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

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73-81 TORREJON AFB SP STATION NAME

73-81

YEARS

MAR

PAGE 1 1800-2000 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	
77																					.1													1	1			
75																								.1										1	1			
73															.1					.2	.1												4	4				
71														.1	.5				.2	.1	.1											9	9					
69										.1	.1			.6	.6			.1	.4													10	15					
67								.1	.4				.1	.4	.4																	11	11					
65							.1	.5	.7	.7			.2	.2																		21	21					
63					.5	.7	1.4	2.2	.5	.2			.1																			47	47					
61				.6	1.7	1.7	1.1	.7	.6																							47	47					
59				.7	1.4	1.3	1.2	1.2	.2																							51	51			5		
57			1.0	1.9	2.0	2.0	2.2	1.1	.2																							57	57			15		
55		.2	1.4	3.2	1.2	2.2	1.4	.5	.1																							84	84			25		
53		.2	1.2	3.0	2.0	1.9	1.1	.5																								91	91			50		
51		.4	1.8	2.3	1.8	1.8	.7	.1																								74	74			91		
49		.4	1.7	1.7	1.1	.8	.4																									50	50			94		
47		1.2	2.5	2.2	1.2	2.3	.1																									79	79			95		
45	.2	1.6	2.9	2.1	2.4	1.4																										58	58			125		
43	.1	1.1	.8	1.2	1.1	.4																										37	37			125		
41	.2	.2	.4	.6	.5	.2																										18	18			79		
39		.5	.5	.2	.2																											12	12			53		
37	.1	.2	.1	.2																												5	5			45		
35		.4																														3	3			23		
33																																				11		50
31																																				6		53
29																																						59
27																																						46
25																																						33
23																																						35
21																																						8
19																																						11
17																																						2
15																																						1
TOTAL	.7	5.3	14.2	19.8	17.7	18.3	11.1	6.5	3.1	1.1	.7	.4	.1																				837	837			837	

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Ref. Num.	2953973	47506	56.2	17.154	937							
Dry Bulb	2453458	44962	53.7	7.417	837			4.7	.7			93
Wet Bulb	17955.5	38483	46.3	5.594	837			.4				93
Dew Point	1232556	31436	37.6	7.878	837		25.3					93

FORM 54-100-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC





U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 14WRRLJUN AB SP STATION NAME: 73-51 YEARS: MAR  
 PAGE: 1 ALL HOURS: ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
7 / 77																																			4	4	
7 / 72																			.1	.1														.1	.1		
7 / 70																			.1	.1	.1	.1												.1	.1		
7 / 72																			.1	.1	.1	.1													.1	.1	
7 / 69																			.1	.1	.1	.1													.1	.1	
7 / 67																			.1	.1	.1	.1													.1	.1	
7 / 65																			.1	.1	.1	.1													.1	.1	
4 / 60																			.1	.1	.1	.1													.1	.1	
7 / 51																			.1	.1	.1	.1													.1	.1	
7 / 49																			.1	.1	.1	.1													.1	.1	
7 / 47																			.1	.1	.1	.1													.1	.1	
7 / 45																			.1	.1	.1	.1													.1	.1	
4 / 43																			.1	.1	.1	.1													.1	.1	
7 / 41																			.1	.1	.1	.1													.1	.1	
7 / 39																			.1	.1	.1	.1													.1	.1	
7 / 37																			.1	.1	.1	.1													.1	.1	
7 / 35																			.1	.1	.1	.1													.1	.1	
3 / 33																			.1	.1	.1	.1													.1	.1	
7 / 31																			.1	.1	.1	.1													.1	.1	
7 / 29																			.1	.1	.1	.1													.1	.1	
7 / 27																			.1	.1	.1	.1													.1	.1	
7 / 25																			.1	.1	.1	.1													.1	.1	
7 / 23																			.1	.1	.1	.1													.1	.1	
2 / 21																			.1	.1	.1	.1													.1	.1	
7 / 19																			.1	.1	.1	.1													.1	.1	
7 / 17																			.1	.1	.1	.1													.1	.1	
7 / 15																			.1	.1	.1	.1													.1	.1	
7 / 13																			.1	.1	.1	.1													.1	.1	
7 / 11																			.1	.1	.1	.1													.1	.1	

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

USAFETAC FORM 0 26 5 (OLA) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE MAR 64



GLOBAL CLIMATOLOGY BRANCH  
 USFSLTAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-61 YEARS: APR MONTH: PAGE 1 0000-0200 HOURS L.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
47-50					.1		.1																										2	2					
47-51					.2	.4	.1	.1																										7	7				
47-52			.1		.1	.3	.3	.1																										7	7				
47-53			.1	.5	.4	.2	.1																											11	11	1	1		
47-54		.1	1.1	1.2	1.1	.4																												29	29	7			
47-55		1.7	2.0	3.1	.8	.3	.1																											64	64	15	3		
47-56		2.0	3.6	1.2	1.1	.3	.1																											62	62	31	11		
47-57	.1	3.3	4.4	1.5	.9	.8																												83	83	54	22		
47-58	3.7	4.6	2.8	1.5	.3																													97	97	78	40		
47-59	.3	5.3	6.1	3.8	2.1																													133	133	111	90		
47-60	.1	2.5	4.6	3.8	2.0	.3																												102	102	86	62		
47-61	.1	1.8	1.7	2.1	.4																													47	47	91	71		
47-62	.6	1.3	2.9	2.2	.7																													60	60	99	59		
47-63		1.5	1.5	.1																														23	23	71	75		
47-64		.5	1.3																															14	14	55	72		
47-65		.3	.9	.1																														10	10	35	48		
47-66		.1																																1	1	15	48		
47-67		.3	.1																															3	3	6	51		
47-68		.3																																2	2	2	54		
47-69		.3																																2	2	1	24		
47-70																																				2	2	12	
47-71																																						7	
47-72																																						5	
47-73																																						2	
TOTAL		1.525	1.35	3.22	7.11	5	3.3	.7																											757		757		757

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4.086419	54659	72.213	5.98	757	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1063545	35217	46.5	5.772	757				7			90
Wet Bulb	338251	32117	42.4	5.591	757			3.1				90
Dew Point	1112972	28488	37.6	7.354	757			24.1				90

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJUN AB SP STATION NAME

72-01 YEARS

ADD MONTH

PAGE 1 2324-2500 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	
59						.3	.4	.4																										1	1		
57			.1			.5	.1	.1																									9	9			
55	.3			.5		.1	.1	.1																									9	9	3	2	
53		.1	1.2	.7	.7	.1																											13	13		1	
51		2.1	3.4	.7	.5																												49	49	12	1	
49		1.8	3.3	.8	.1																												44	44	27	5	
47	.3	2.3	3.0	.8	.3																												49	49	60	29	
45	.1	7.7	6.3	1.9	.7																												117	117	54	56	
43		3.7	5.9	1.6	1.5																												93	93	70	50	
41	.7	3.8	4.4	3.6	.4																												94	94	75	70	
39	.4	5.6	4.9	2.1	.1																												96	96	88	65	
37	1.5	1.4	3.3	1.4	.1																												52	52	94	69	
35	.1	2.9	2.6	.4																													44	44	74	72	
33	.1	2.1	1.6																														28	28	60	39	
31		.3	.5																														6	6	47	32	
29		.8	.1																														7	7	14	69	
27	.5	.5																															8	8	15	73	
25		.4																															3	3	1	38	
23																																				2	25
21		.1																															1	1		5	
19																																				1	2
17																																					4
TOTAL	3.6	35.2	41.3	14.4	4.7	.7	.1																											728		728	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	43941.7	55921	76.7	11.9	728	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	13677.1	31245	42.9	5.7	728			3.1				90
Wet Bulb	11756.2	28946	39.8	5.8	728			9.9				90
Dew Point	9758.1	26779	35.8	7.3	728			30.8				90

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 271 TORREJON AFB SP STATION NAME: 73-61 YEARS: \_\_\_\_\_ APR MONTH: APR  
 PAGE 1 0600-2000 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			
57					.1																														1	1			
55	.1	.4	.5	.4	.1	.3																													14	14	1	1	
53		1.1	1.1	1.0	.1																														27	27	5	2	
51		2.4	2.5	.3	.1																														42	42	13	3	
49		1.3	1.6	.5	.1																														26	29	35	12	
47		3.9	3.3	.8	.4																														66	65	58	23	
45	.4	7.8	5.3	2.3	1.6																														146	145	53	60	
43	.3	5.4	5.1	1.6	.4																														102	102	96	47	
41	.4	2.9	4.3	2.5																															80	80	87	67	
39	.6	5.8	3.5	1.1	.3																														90	92	56	58	
37	1.1	2.1	4.9	.3																															67	67	171	75	
35	.4	2.5	2.4	.5																															46	46	67	61	
33	.4	2.3	3.0	.3																															51	51	79	56	
31		.8	.9																																13	13	51	29	
29		.7	.5																																11	11	32	67	
27	.1	.6																																	5	5	12	62	
25	.1	.4																																	4	4	5	41	
23		.1																																	1	1	1	26	
21		.3																																	2	2		8	
19																																						2	4
17																																						4	
TOTAL		3.9	4.1	3.3	2.9	1.5	3.1	.3																											797	797		797	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4796565	52455	78.4	11.344	797							90
Dry Bulb	1464643	33807	42.4	6.203	797		4.2					90
Wet Bulb	1276452	31528	39.6	6.063	797		11.7					90
Dew Point	1071341	28644	35.9	7.278	797		29.7					90

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJON AB SP STATION NAME

73-81 YEARS

APR MONTH

PAGE 1 1955-1153 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				
69																																				1	1				
68																																				5	5				
67																																				19	19				
66																																				26	26				
65																																				27	27	5			
64																																				53	53	11	1		
63																																				51	51	17	3		
62																																				110	110	36	9		
61																																				121	121	45	27		
60																																				75	75	85	18		
59																																				99	99	130	48		
58																																				113	113	126	93		
57																																				34	34	108	89		
56																																				21	21	94	94		
55																																				18	18	59	88		
54																																				3	3	50	82		
53																																				2	2	20	80		
52																																				2	2	9	92		
51																																						4	26		
50																																					3	46			
49																																							0		
48																																							21		
47																																							12		
46																																							6		
45																																							1		
TOTAL																																							810	810	910

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3526975	5205	64.0	314.824	810	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	214705	41393	51.1	5.628	810				1			90
Wet Bulb	16775.5	36619	45.2	5.216	810			3				90
Dew Point	1263612	31420	38.8	7.444	810		19.6					90

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION 12277 TORREJON AB SP STATION NAME 73-61 YEARS APR MONTH  
PAGE 1 1220-1400 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			
71																													1	1					
72												.1																	1	1					
73												.1		.4						.1								5	5						
74											.5	.1	.2	.2	.4													12	12						
75											.5	.2	.2	.2														15	17						
76								1.1	.7	.5	.5	.1	.1	.2													21	21							
77								.1	.5	1.1	.2	.2															18	19							
78					.5	1.1	.7	.6	.7	.2																	32	32							
79				.2	1.1	2.0	3.2	1.9	.6																		73	73	2						
80			.2	.5	1.4	3.1	3.3	1.6	.4																		82	82	2						
81		.1	.5	1.2	3.5	2.1	3.3	2.0	.1																		174	174	17						
82		.2	.5	2.5	3.1	4.2	3.1	.5	.2																		115	115	27						
83		.2	.2	2.3	3.1	2.7	4.2	.4																			107	107	55						
84		.2	.9	2.7	2.7	2.1	2.3	.1																			82	89	54	18					
85		.9	2.7	.7	2.2	.5	1.0	.2																			67	67	115	30					
86		.2	.5	.5	1.1	.4	.2																				24	24	132	19					
87		.5	.6	.2	.4	1.2	.1																				25	25	148	47					
88		.1	.7	.4	.5	.1																					15	15	59	89					
89		.1			.2	.4																					6	6	76	104					
90					.2	.1																					2	2	48	80					
91					.1																						1	1	19	75					
92																																			
93																																			
94																																			
95																																			
96																																			
97																																			
98																																			
99																																			
100																																			
TOTAL		2.7	6.9	11.4	20.7	20.9	23.3	9.5	3.0	1.6	.5	.1															810	810	810						

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature				Total	
Rel. Hum.						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F
Dry Bulb	24299.8	41806	51.614	6.591	810			7.6	2.1	.1	
Wet Bulb	27488.4	46920	57.9	6.182	810			.1			
Dew Point	12924.5	31779	39.2	7.516	810		18.1				

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

STATION: TORREJON AB SP STATION NAME: 73-81 YEARS: ADJ MONTH: 1950-1950  
 PAGE 1 1950-1950 HOURS: 5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point		
81																				.1	.2			.1										4	4	
79																			.1	.1	.1	.2	.2										7	7		
77															.1				.2	.2	.2	.2										7	7			
75																	.4		.2	.6	.5												17	17		
73													.6	.5					.7	.1													17	17		
71												.2	.2	.7	.6				.4	.2													22	22		
69											.7	.2	1.4	1.5	.5				.7														41	41		
67										.5			1.2	1.1	.4				.4														26	26		
65										.4	.7	1.7	1.1	.6					.6														37	37		
63					.1	.4	2.6	4.3	3.7	3.7	1.5	.1							.1														133	133		
61				.5	1.3	3.7	3.0	3.5	1.4	.4									.4														108	108		
59		.1	.4	.2	2.1	1.4	2.7	2.5	.4																								79	79		
57		.2	.2	1.6	3.	3.7	2.5	1.7																									99	99		
55		.4	.6	1.7	2.1	1.1	1.1	.4																									60	60		
53		.2	1.1	1.7	.9	1.4	1.7	.4																									54	54		
51		.9	1.6	1.1	1.5	.6	.7																										51	51		
49		.4	.7	.4	.2	.2	.1																										17	17		
47		.2	.9	.4	.4	.2																											17	17		
45		.6	.4	.2		.4																											13	13		
43																																				
41					.2																												2	2		
39					.1																												1	1		
37																																				
35																																				
33																																				
31																																				
29																																				
27																																				
25																																				
23																																				
21																																				
19																																				
TOTAL		3.1	5.9	7.5	11.5	16.4	19.0	18.3	13.2	5.2	2.5	1.0	.4																					810	810	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1980358	37952	46.7	16.169	810	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	3314636	49082	60.6	7.076	810			15.4	5.3	.4		90
Wet Bulb	214337	40205	49.6	4.812	810							90
Dew Point	1254247	31294	38.6	7.478	810		23.1					90

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 271 TORREJON AB SP STATION NAME: 73-A1 YEARS: APR MONTH: PAGE 1 1999-2000 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		
1/ 81																				.1	.1													2	2			
1/ 77																				.2	.2													4	4			
7/ 77																				.1	.2												3	3				
5/ 72																			.4	.1	.1												6	5				
4/ 73																			.1	.4	.2												7	7				
1/ 71																			.2	.5	.6	.2	.5										19	19				
1/ 59																			.1	.5	.4	.6	.6	.4									22	22				
1/ 67																			.1	.1	.6	.4	.1	.2									13	13				
5/ 65																			.1	.1	.2	1.2	1.0	1.4	.6								38	38				
1/ 63																			.1	.5	2.2	2.5	3.3	1.4	.7								67	67	4			
1/ 61																			.7	.9	2.6	3.1	2.3	1.2	.1								89	89	7			
1/ 59																			.1	.7	2.5	1.4	3.2	1.7	.7	.1							88	88	1a	2		
1/ 57																			.2	.9	1.7	2.7	2.2	1.7	1.1	.4							88	88	21	2		
5/ 55																			.4	.5	2.2	1.9	1.5	1.4	1.2	.1							72	72	3a	5		
1/ 53																			.4	1.5	2.2	1.4	1.4	1.6	.4								71	71	7	11		
1/ 51																			1.2	3.7	1.5	1.7	.7	1.4	.4								61	61	122	25		
1/ 49																			.9	1.2	.9	.9	.6										36	36	141	15		
1/ 47																			.7	1.1	2.1	.6	1.1										44	44	14a	39		
1/ 45																			1.1	.7	.9	.2	.4										26	26	93	132		
1/ 43																			.1	.2	.1	.1											6	6	65	61		
1/ 41																			.1	.1	.1												3	3	66	71		
4/ 37																			.1	.2	.1												4	4	19	76		
1/ 37																																				15	61	
1/ 35																																		1	1	2	72	
3/ 33																																				4	48	
1/ 31																																				2	22	
1/ 29																																					36	
1/ 27																																					55	
1/ 25																																					33	
1/ 23																																					12	
1/ 21																																					9	
1/ 19																																					5	
1/ 17																																					3	
1/ 15																																					1	
Element (X)	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19	X20	X21	X22	X23	X24	X25	X26	X27	X28	X29	X30	X31	Mean No. of Hours with Temperature						
Rel Hum																																						Total
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0 26 5 (O 1 A) REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

0277 STATION TORREJON AB SP STATION NAME 73-01 YEARS APR MONTH PAGE 2 1999-2000 HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	5.2	10.5	13.3	14.2	15.1	16.4	13.6	7.0	3.0	1.4	.4											812	810	810											

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel Hum.	2453118	42200	52.117	7.38	810	< 0 F	> 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Dry Bulb	2752066	46847	57.8	7.174	810			8.4	2.4	.2		90
Wet Bulb	1423749	39257	48.5	5.158	810			.2				40
Dew Point	1273134	31408	38.9	7.917	810		19.2					90

USAFETAC FORM 0265 (OL A) 12-00-00 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAG

# PSYCHROMETRIC SUMMARY

1277  
 STATION

TORREON AB SP  
 STATION NAME

73-01

YEARS

APR  
 MONTH

PAGE 1 2100-2300  
 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		
57										.1																									1	1		
55									.1									.1	.1															3	3			
53						.7		.6	.6																									21	21			
51			.1		.2	.4	.1	.1	.5	.2	.1																							23	23			
49		.1	.4	.2	.7	1.1	.4	.1																										25	25	1		
47		.4	1.1	2.3	1.5	1.2	1.2	.5																										53	53	11	2	
45		.5	1.2	2.8	1.5	1.4	.9																											65	65	14	3	
43		.9	1.7	4.1	2.3	1.7	.4	.1																										92	92	24	5	
41	.2	1.7	5.6	3.1	3.7	1.2	.5																											124	124	63	24	
39		2.3	2.8	1.5	1.4	1.2	.4																											76	76	39	17	
37		3.3	2.3	2.8	2.3	1.2																												98	98	132	37	
35	.7	3.3	3.6	4.2	3.2	1.2																												123	123	120	127	
33	.1	1.1	2.7	1.9	.9	.5																												51	51	99	92	
31		.4	1.2	.6	.4																													19	19	52	52	
29		.2	.4	.5	.4																													12	12	74	61	
27	.1	.4	.2	.2	.1																													7	9	31	52	
25			.4																															3	3	25	55	
23			.1	.1																														2	2	11	65	
21																																			1	1	5	59
19			.1																															1	1	2	43	
17				.1																														1	1	2	45	
15																																					1	25
13																																						12
11																																						12
9																																					5	
7																																					2	
TOTAL	.7	1.4	3.2	3.7	2.4	6.1	5.5	12.0	4.7	1.0	.2	.1																						510	510		510	

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	30677.3	52973	61.4	15.854	817							
Dry Bulb	2134327	41018	52.6	5.839	817							92
Wet Bulb	1550242	36427	45.1	5.296	817				1.4			90
Dew Point	1264460	31354	38.7	7.647	817						19.8	90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

277 TORREJUN AB SP STATION NAME

73-81

YEARS

APR MONTH

PAGE 1 ALL 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			
41																			.0	.0														7	7				
42																			.0	.0	.1	.1	.2											11	11				
43																		.0	.1	.0															11	11			
44																	.1	.1	.1	.1	.1														20	28			
45													.1	.1	.1	.1	.1	.1	.1	.1	.1														36	36			
46												.1	.2	.2	.2	.1	.2	.3																	49	49			
47								.0	.3	.2	.3	.3	.3	.3	.3	.1	.1																		55	55			
48							.0	.1	.1	.4	.2	.1	.0																						58	59			
49						.0	.1	.3	.3	.4	.4	.4	.2																						115	115			
50		.0	.0	.2	.4	1.0	1.4	1.1	.7	.3	.0																								335	335	11		
51		.0	.1	.3	.6	1.5	1.3	1.7	.4	.1																									335	335	24		
52		.1	.3	.5	1.3	.6	1.3	.6	.2	.0																									331	331	52	2	
53		.2	.5	1.3	1.6	1.6	1.1	.5	.1																										439	439	101	7	
54	.0	.3	.9	1.7	1.5	1.2	1.0	.2	.0																										437	437	191	23	
55	.0	.5	1.4	2.5	1.5	1.2	.9	.2																											523	523	277	56	
56	.1	1.5	3.4	1.5	1.7	.7	.6	.1																											597	597	576	136	
57	.0	1.4	2.1	1.0	.5	.6	.1																												353	333	719	124	
58	.0	2.1	2.3	1.6	1.0	.7																													495	495	901	349	
59	.2	3.5	3.3	2.0	1.5	.3																													585	566	757	758	
60	.1	1.7	2.3	1.3	.7	.2																													394	394	664	619	
61	.1	1.2	1.5	1.2	.2	.0																													250	258	576	501	
62	.2	1.6	1.5	.9	.2																														282	282	453	593	
63	.3	.7	1.2	.3																															154	154	391	557	
64	.1	.7	.8	.1																															110	110	247	541	
65	.1	.6	.7	.1																															93	93	219	408	
66		.1	.2																																20	20	128	268	
67		.3	.1																																22	22	57	395	
68	.1	.1																																	15	15	31	474	
69	.1	.1																																	9	9	9	216	
70		.0																																	1	1	0	121	
71		.0																																	3	3	0	70	
72																																						3	26
73																																						15	
74																																						1	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																												
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

73-01  
STATION NAME: TORREJON AB SP

73-01

YEARS

APR

PAGE 1 ALL HOURS

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point																			
14	.2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	3.33	6332	6332	5732																			
																			6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332	6332
Element X:	$\sum x$	$\sum x^2$	$\bar{x}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																																											
Rel Hum	274252.3	379851	63.118	9.537	6332	0 F	32 F	67 F	73 F	80 F	93 F	720																																											
Dry Bulb	17254547	325519	51.4	9.766	6332	3.0	32.4	13.5	1.5	0	0	720																																											
Wet Bulb	1353539	234521	44.9	6.517	6332	26.5	18.3	0	0	0	0	720																																											
Dew Point	949944	240522	33.3	7.573	6332	18.3	0	0	0	0	0	720																																											

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

27 TORREON, AB, CANADA STATION NAME

73-51

YEARS

MAY

PAGE 1 1950-1950

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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	1			
74																																			4	4			
75																																		5	5				
76																																		17	17				
77																																		31	31				
78																																		41	41		1		
79																																		53	53		14		
80																																		67	67		22		
81																																		77	77		42		
82																																		137	137		38		
83																																		105	105		91		
84																																		79	79		124		
85																																		73	73		146		
86																																		92	92		101		
87																																		30	30		54		
88																																		23	23		51		
89																																		7	7		34		
90																																		9	9		17		
91																																		2	2		11		
92																																		2	2		5		
93																																					1		
94																																							
95																																							
96																																							
97																																							
98																																							
99																																							
100																																							
TOTAL																																				535	535		335

USAFETAC FORM 0265 (OL A) 0265 (OL A) RE-STATE WEATHER SERVICE TORREON, AB, CANADA

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum	45614.5	51753	73.115	0.009	535							
Dry Bulb	231754	43710	50.3	6.235	535			1.2				93
Wet Bulb	172517	39919	47.8	5.127	535							93
Dew Point	154423	36253	43.4	5.221	535		4.1					93

U.S. AIR FORCE  
 CLIMATE DIVISION  
 METEOROLOGICAL SERVICE CENTER

# PSYCHROMETRIC SUMMARY

STATION: IDAREJUN AB SP STATION NAME

73-51

YEARS

MAY

PAGE 1 1334-0500  
 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			
50																																			2	2			
51																																			5	5			
52																																			15	17			
53																																			25	23			
54																																			42	42	15	7	
55																																			51	51	19	14	
56																																			76	76	42	21	
57																																			135	135	55	42	
58																																			70	71	100	21	
59																																			53	55	137	22	
60																																			165	168	175	134	
61																																			52	52	115	121	
62																																			55	55	174	95	
63																																			33	33	54	121	
64																																			21	21	34	65	
65																																			15	15	42	25	
66																																			4	4	14	45	
67																																			1	1	7	21	
68																																						15	
69																																						4	
TOTAL	7.0	35.0	33.0	31.0	4.9	6.3	2.2	0.0	0.1																										537	537	537	337	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum	53234.5	55715	72.812	5.74	837							93
Dry Bulb	1996569	4571	48.5	6.222	837			0.1				93
Wet Bulb	1733537	37825	45.2	5.378	837			0.5				93
Dew Point	1498658	35740	41.9	6.163	837		5.2					93

USAFETAC FORM 0 26 5 (02 A) REVIS REVISIONS TO THIS FORM ARE AVAILABLE FROM THE AFMPC, AFMPC, AFMPC

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

37 TORREJON AS SP STATION NAME

75-81

YEARS

MAY

PAGE 1 0500-0800 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														
57-55				.2														1	1																
47-63							.1											3	3																
7-51		.1	.2	1.0	.2	.4												16	15																
7-49		.2	1.4	.6	.7	.1	.1											29	29	0	1														
7-57		1.2	1.7	1.6	.7	.4												43	40	0	1														
57-55	.1	2.3	2.2	1.7	.4													57	57	31	12														
7-53	.1	2.5	4.1	2.5	1.6	.4												94	94	37	69														
7-51	.7	3.2	5.3	2.7	.8													137	127	75	43														
7-49		2.5	2.2	1.6	.5													57	57	95	29														
7-47	.4	5.2	3.5	2.3	.2													126	105	125	59														
7-45	.5	9.1	5.4	2.3	.7													147	147	115	145														
47-43	.4	4.7	2.9	1.2														75	75	110	134														
7-41	.1	3.3	1.1	.5														42	42	99	59														
7-39		1.6	.5	.1														23	27	55	51														
7-37	.5	1.6	.5															23	23	32	52														
7-35		1.3	.1															12	12	25	52														
37-33		.6	.1															6	6	15	43														
7-31		.1																1	1	5	18														
7-29																					13														
7-27																					9														
7-25																					2														
TOTAL	7.4	40.9	33.5	16.8	5.5	1.2	.2											637	537	537	837														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	3362768	56204	79.2	1.817	837							93
Dry Bulb	228535	47951	48.9	5.976	837			.1				93
Wet Bulb	1755989	38105	45.6	5.351	837			.7				93
Dew Point	153715	35513	42.4	6.228	837			4.7				93

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





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJON AB SP STATION NAME

75-51

YEARS

MAY

PAGE 1 1270-1440  
HOURS 5 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				
67																																			2	2		
68																																			3	3		
69																																			17	17		
70																																			19	19		
71																																			38	38		
72																																			26	26		
73																																			45	45		
74																																			43	43		
75																																			67	67		
76																																			32	32		
77																																			77	77		
78																																			153	153		
79																																			72	72		
80																																			71	71		
81																																			68	170		
82																																			35	35		
83																																			25	25		
84																																			24	137		
85																																			8	98		
86																																			3	79		
87																																			1	71		
88																																			10	182		
89																																			0	113		
90																																			0	63		
91																																				0	79	
92																																				0	65	
93																																					0	24
94																																					0	11
95																																					0	7
96																																					0	10
97																																					0	9
98																																					0	2
99																																					0	4
TOTAL																																				536	836	

Element (X)	Σx'	Σx	Σ	Σ	No. Obs	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	22024.7	41367	49.114	988	836							
Dry Bulb	3592189	54419	65.1	7.724	836			33.3	17.5	4.4		93
Wet Bulb	2447571	4563	53.9	4.749	836						3	93
Dew Point	1674945	3771	44.3	6.102	836		3.2					93

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







USAF CLIMATOLOGY BRANCH  
 USAFCTAC  
 4th WEATHER SERVICE/MAG

# PSYCHROMETRIC SUMMARY

0271 TORREJON AB SP STATION NAME

73-91

YEARS

MAY

PAGE 0 1800-2000 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 / 11																																						1		
TOTAL			3.3	5.7	6.8	8.1	11.2	12.4	17.1	13.4	11.1	1.5	1.5	5.5	3.3	1.9	.2																			537	537	537	537	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	2175001	39595	47.3	16.678	837							93
Dry Bulb	3546277	54800	65.5	8.405	837			35.7	21.7	6.4		93
Wet Bulb	2424275	44872	53.6	4.725	837			.3				93
Dew Point	1599836	36204	43.3	6.363	837		4.3					93

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

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/NAF

# PSYCHROMETRIC SUMMARY

2100 TONREJON AB SP STATION NAME

71-51

YEARS

MAY

PAGE 1 2100-2300 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		
77																																			1	1		
76																																			2	2		
75											.4	.1	.4				.4	.1																11	11			
74										.1	.7	.5	.7	.2	.4																			22	22			
73									.4	.5	.7	.5	.5	.4	.2																			27	27			
72									.2	.5	.4	.5	.2	.1																				15	15			
71				.1				.2	1.0	1.4	.5	.5																						31	31			
70			.2	1.3	1.2	1.3	1.4	1.1	.2																									57	57			
69		.2	.7	1.9	1.8	2.6	1.7	.7	.1																									76	76	7		
68		.1	1.1	1.2	4.7	1.2	1.3	.5																										51	51	25	2	
67		1.3	1.5	3.8	2.7	2.8	.7																											1	104	52	11	
66	.4	2.3	2.5	3.2	1.3	1.7	.4																											99	99	58	22	
65		1.6	3.1	4.1	1.7	1.3	.5																											102	107	93	36	
64		2.3	2.9	3.1	.7	.1																												76	76	155	53	
63		1.3	1.7	.8	.2																													35	35	132	44	
62	.2	1.9	1.7	1.4	.5	.2																												47	47	132	27	
61		1.3	1.6	.8	.5	.1																												35	35	71	155	
60		.4	.5	.2	.1																													11	11	55	121	
59		.1	.1																															2	7	23	55	
58			.1																															1	1	11	75	
57																																				7	52	
56																																				5	39	
55																																						51
54																																					9	17
53																																					7	7
52																																					1	1
51																																					1	1
50																																					1	1
TOTAL		512	718	221	415	413	9	8.6	4.8	2.9	.8	.7																						336	336		336	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	3021247	53285	63.7	16.775	836							
Dry Bulb	2756455	47675	57.1	6.723	836			5.7	1.5			93
Wet Bulb	2120101	41971	50.2	4.736	836							93
Dew Point	1543482	36674	43.9	6.442	836		4.1					93

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





USAFETAC  
 WEATHER SERVICE/MAJ

# PSYCHROMETRIC SUMMARY

STATION: **WINDSORVA AD DP** STATION NAME

73-01

YEARS

MAY

BASE: **ALL**

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. WB	Dry Bulb	Wet Bulb	Dew Point						
7/20																																										
12/21																																										
1/17																																										
1/17																																										
1/11																																										
TOTAL	1.4	1.6	7.1	7.1	14.9	11.2	10.5	9.3	8.6	5.0	3.2	2.0	1.2	.7	.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	55.3		56.3		

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	23492475	416003	62.219	9.95	6673							
Dry Bulb	23102402	387932	58.310	3.02	6673		2	135	9	69	5	22
Wet Bulb	1718404	336664	50.3	6.008	6673		1	6	1	6		7
Dew Point	1289834	290336	43.5	6.238	6673		32	2				7

USAFETAC FORM 0 26 5 (OL A) REVISED REFERENCE EDITIONS OF THIS FORM ARE ON

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
METEOROLOGICAL SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

27 TONREJUN AB SP STATION NAME

73-51

YEARS

JUN  
1956

PAGE 1 1000-1000  
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		.2																	7	7				
71																.1		.2		.2															3	3				
72									.1					.1		.2		.1		.1														5	5					
73										.1				.1		.5		.5																9	9					
74										.2				.7		.2		.7		.1														24	24					
75						.4			.5	1.4			1.7		.7		.2		.1															41	41					
76			.4		1.7	.7			2.2	.5		.1																						40	40					
77		.2	1.1		1.6	1.2			1.6	.5		.7		.1																				50	50	6	6			
78		1.2	2.7		4.3	1.7			2.6	1.6		.7		.2																				114	114	15	1			
79	.4	.9	3.2		3.2	2.7			1.3	1.1		.2		.1																				107	107	55	15			
80	.4	1.4	3.1		1.7	2.1			.5	.2		.2																						77	77	80	10			
81	.2	3.5	3.3		2.7	2.2			.5	.2																									104	104	134	34		
82	.5	3.1	3.2		2.3	1.1		.9																											94	94	112	53		
83	.1	2.6	1.4		1.7	.7		.4																											56	56	174	1-2		
84	.2	1.2	1.9		1.2	.4		.1																											41	41	176	1-3		
85	.4	.5	.5		.4																														15	15	79	77		
86	.1	.9	.2		.1																														11	11	53	45		
87																																			4	4	7	1-2		
88		.2																																	2	2	5	5		
89																																					2	3		
90																																						2	2	
91																																						2	2	
92																																							2	2
93																																							2	2
94																																							2	2
95																																							2	2
96																																							2	2
97																																							2	2
98																																							2	2
99																																							2	2
100	.2	.31	.22	.42	.91	3.6	12.5	7.2	3.8	2.2	.9	.1																								81	81	614	913	

Element (Y)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature	Total
Rel Hum	4 2045	85445	66.5	16.679	817	0 F 32 F 67 F 73 F 80 F 93 F	
Dry Bulb	2735039	48433	59.4	6.559	817	13.0 2.2	93
Wet Bulb	24 2047	43551	54.3	4.517	817		90
Dew Point	1-96774	391	44.1	6.358	817	.9	93

USAFETAC FORM 0265 (C.A.) METEOROLOGICAL SERVICE/MAC

CLIMATE BRANCH

WATER SERVICES

# PSYCHROMETRIC SUMMARY

10-R-JUN 45 5P  
 STATE NAME

73-61

YEARS

304

PAGE 1 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	Dep			
72												.1																							1	1			
73									.1			.1																						2	2				
74								.1	.2		.1																							4	4				
75						.2		.2	.3		.1																							11	12				
76			.1		.1	1.1		.4	.1		.1																							15	15	1			
77		.5	.7	.2	1.4	.9		.9	.1		.1																							53	53	1			
78	.1	1.4	2.6	2.1	1.9	1.4		.6	.1																									51	51	2			
79	.2	2.5	4.3	2.2	1.5	.6		.1	.1																									100	100	37			
80	.2	3.9	5.5	2.8	1.5	.5		.4																										100	100	71			
81	.7	5.2	3.3	3.5	.5	.9		.2																										118	118	107			
82	1.7	4.5	3.8	2.5	1.4	.1		.1																										157	157	117			
83	.7	2.7	4.7	2.1	.7																													52	52	102			
84	.1	1.5	1.5	.6	.4																													34	34	107			
85	.5	3.1	1.5	.4	.2																													49	49	101			
86	.1	1.1	.1	.4																														29	29	60			
87		.9	.1																															9	9	32			
88																																		0	0	17			
89																																				0	0	10	
90																																				0	0	10	
91																																					0	0	10
92																																					0	0	10
93																																					0	0	10
94																																					0	0	10
95																																					0	0	10
96																																					0	0	10
97																																					0	0	10
98																																					0	0	10
99																																					0	0	10
100																																					0	0	10
TOTAL																																				309	309	309	

Element	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						10 F	32 F	47 F	73 F	80 F	93 F	
Rel Hum	4229774	42044	75.7	14.526	309							
Dry Bulb	2345322	45118	55.3	5.463	309			1.4	.1			43
Wet Bulb	2177854	41794	51.7	4.914	309							43
Dew Point	1900194	36902	48.1	6.045	309		1.0					90

USAFETAC FORM 0265 (OL A) REUSE PREVIOUS EDITIONS OF THIS PUBLICATION. (10-17)







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

# PSYCHROMETRIC SUMMARY

44227 STATION TORREJUN AB LP STATION NAME

73-51

YEARS

000

PAGE 1 1000-1000

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 Po.	
71																																			
72																																			
73	1.1	1.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	310	310	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature					Total	
						< 0 F	0-32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Rel. Hum.	152.79	33247	41.514	125	810							
Dry Bulb	4543275	65949	75.3	7.839	810			75.3	59.2	24.8		90
Wet Bulb	2535453	48639	60.1	4.273	810			4.1				90
Dew Point	1769606	39630	49.9	6.157	810		1.0					90

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

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

# PSYCHROMETRIC SUMMARY

STATION 27 TORREJON AB GP STATION NAME

73-51

YEARS

JUN

PAGE 1 1500-1700

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 99																												4	4						
7 / 97																												3	3						
7 / 95																												5	5						
7 / 93																												11	11						
7 / 91																												24	24						
7 / 89																												35	35						
5 / 87																												54	54						
5 / 85																												34	34						
7 / 83																												54	54						
7 / 81																												115	115						
7 / 79																												75	75						
7 / 77																												59	59						
7 / 75																												55	55						
7 / 73																												52	52						
7 / 71																												51	51						
7 / 69																												35	35						
7 / 67																												17	17						
5 / 65																												21	21						
4 / 63																												34	34						
7 / 61																												14	14						
7 / 59																												14	14						
7 / 57																												1	1						
5 / 55																												7	7						
7 / 53																																			
7 / 51																																			
7 / 49																																			
7 / 47																																			
7 / 45																																			
4 / 43																																			
7 / 41																																			
7 / 39																																			
7 / 37																																			
7 / 35																																			
7 / 33																																			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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



CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: TORREY HAVEN AD 8P  
 STATION NAME

71-21

YEARS

JUN

PAGE 1 1500-1700  
 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point							
13																																											
14																																											
15																																											
TOTAL	1.5	2.5	1.9	3.2	4.7	5.4	9.3	9.9	11.6	17.3	15.3	5.8	6.4	3.6	2.1	.7																							511		511	417	

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	1-32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	1273709	27352	36.516	546	812							
Dry Bulb	525533	33427	75.3	8.532	517			79.9	68.4	43.5	2.7	90
Wet Bulb	294153	49057	60.5	4.017	812			5.2				74
Dew Point	1562297	38471	47.5	6.569	812		1.3					73

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

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

# PSYCHROMETRIC SUMMARY

27 TORREJON AB SP STATION NAME

73-51

YEARS

JUN

PAGE 1 1800-2000  
 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 / 97																																		.1	.2	3	3	
2 / 98																																		.2		2	2	
4 / 99																																		.5		9	9	
7 / 94																										.2	.5	.4						.7		15	15	
1 / 86																									.2	.7	1.9	.2					.4		28	28		
5 / 87																																						
5 / 81																																						
6 / 80																																						
1 / 81																																						
7 / 79																																						
7 / 77																																						
7 / 75																																						
1 / 71																																						
1 / 59																																						
1 / 57																																						
5 / 55																																						
4 / 53																																						
1 / 51																																						
1 / 47																																						
1 / 45																																						
4 / 43																																						
2 / 41																																						
1 / 39																																						
1 / 37																																						
1 / 35																																						
3 / 33																																						
1 / 31																																						
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAD

# PSYCHROMETRIC SUMMARY

JUL 27 1952 TORREJON AB SP STATION NAME

73-01

YEARS

JUN MONTH

PAGE 1 1800-2000 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	TOTAL																											
10																																						9											
20																																						9											
TOTAL		2.3	4.4	3.7	5.4	5.7	6.4	8.4	12.8	7.9	12.1	9.1	8.3	5.3	2.8	2.7																						812	812	812									

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	1074451	32579	40.218	258	812							
Dry Bulb	4727231	61472	75.9	8.757	812			73.9	59.5	33.7	1.5	92
Wet Bulb	2903623	48384	59.7	4.137	812			2.7				92
Dew Point	1871145	36476	47.5	7.158	812	1.9						92

USAFETAC FORM 0-26-5 (OL A) REVISED WITHOUT NOTICE OF THIS NAME ARE OBSOLETE JUN 52





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

# PSYCHROMETRIC SUMMARY

STATION: T-4R JUN ASDM STATION NAME

73-81

YEARS

JUN

PAGE 1 ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point	
/ 31																																					17
/ 30																																					23
/ 29																																					22
/ 28																																					1
Σ	11.4	12.1	13.0	13.9	14.8	15.7	16.6	17.5	18.4	19.3	20.2	21.1	22.0	22.9	23.8	24.7	25.6	26.5	27.4	28.3	29.2	30.1	31.0	31.9	32.8	33.7	34.6	35.5	36.4	37.3	38.2	39.1	40.0	40.9	41.8	5478	
Σ																																				5478	

Element (X)	Σ X'	Σ X	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	0-32 F	33-67 F	68-73 F	74-80 F	81-93 F	
Rel. Hum.	23725153	365372	55.4	21.932	6478							
Dry Bulb	29936917	434645	67.1	10.933	6478			336.3	231.1	113.1	5.0	722
Wet Bulb	2996122	36754	56.7	5.532	6478			11.1				722
Dew Point	1567142	31526	48.7	6.455	6478		8.1					722

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













U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WAFETAC  
 AIRCRAFT SERVICE/MAO

# PSYCHROMETRIC SUMMARY

STATION 15-42007 A-37  
 STATION NAME

70-51

YEARS

000

PERIOD 1000-1400

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															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.	TOTAL								
100																																									
95																																									
90																																									
85																																									
80																																									
75																																									
70																																									
65																																									
60																																									
55																																									
50																																									
45																																									
40																																									
35																																									
30																																									
25																																									
20																																									
15																																									
10																																									
5																																									
0																																									
Sum																																									
Average																																									
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total																														
Rel Hum	67530	75465	3.41123	1.23	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																														
Dry Bulb	125525	70147	67.5	7.453	837			41.9	55.7	58.4	12.7	93																													
Wet Bulb	332705	52471	62.7	3.541	837			13.4				93																													
Dew Point	182371	45214	48.7	6.520	837			4				93																													

USAFETAC FORM 10-64 JUL 64 0.26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



PSYCHROMETRIC SUMMARY

STATION: CORRIJUN, AS DR. STATION NAME

79-81

YEARS

UJL

PAGE: 1500-1700

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
74																																					93	
75																																					91	
76																																					89	
77																																					87	
TOTAL					.1	.2	.1	1.0	1.0	1.0	1.5	1.4	3.6	4.2	7.4	10.5	10.2	15.4	13.5	11.1	18.3														637		677	937

Element (X)	$\sum X$	$\sum X^2$	$\bar{X}$	$S^2$	No. Obs.	Mean No. of Hours with Temperature					Total
						50 F	52 F	57 F	60 F	65 F	68 F
Rel. Hum.	575355	25273	24.210	233	937						
Dry Bulb	514855	73857	67.9	7.775	937			2.5	69.1	79.4	84.1
Wet Bulb	332544	52692	35.3	3.227	937			11.7			
Dew Point	173957	37861	45.2	5.683	937			1.1			

USAFETAC FORM 0265 (OLAI) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GENERAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: DAREGUN AB GP STATION NAME

75-51

YEARS

JUL

PAGE 1 1950-2000  
 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		
3																																						19
4																																						0
5																																						3
6																																						5
7																																						5
8																																						5
9																																						5
10																																						5
11																																						5
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
TOTAL																																						537
TOTAL																																						537

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs	Mean No. of Hours with Temperature						Total
Rel. Num.						60 F	62 F	67 F	73 F	80 F	93 F	
Dry Bulb	225531	71977	25.912	2.235	537							93
Wet Bulb	3237676	51958	67.1	3.204	537			1.2	55.6	74.7		93
Dew Point	171327	37516	44.0	6.136	537	1.0						93

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





CENTRAL CLIMATOLOGY BRANCH  
 AFSLAC  
 2247 THE SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: FLEIJM AB SP STATION NAME

73-51

YEARS

JUL  
 MONTH

PAGE 1 7300-2300  
 HOURS 1837

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1	2	3	4	5	6	7	8	9	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						
73				3	3.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8		

Element / Xr	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature				Total	
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F
Rel. Hum.	1379615	71549	57.914	537	837						
Dry Bulb	475553	52832	74.7	6723	837			75.6	79.9	25.1	.1
Wet Bulb	271368	48414	57.4	3421	837			.3			
Dew Point	1733438	36192	45.6	5282	837		2.4				

USAFETAC Form 0 26 5 (OLA) 1 JUN 64 REQUIRE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CLIMATE CONTROL RANCH

CLIMATE CONTROL SERVICE/MAC

CLIMATE CONTROL AG, SP STATION NAME

73-61

# PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

40 HRS

Time	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		
																																				100
																																				27
																																				27
																																				27
																																				27
																																				1
		1.2	3.1	4.7	7.3	5.9	1.2	7.5	4.8	5.9	7.4	5.7	7.2	5.3	4.5	3.3	4.5																		546	
																																				5576
																																				5576

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F		+ 93 F
Rel. Hum.	137.5447	276565	41.5	8.707	5695							
Dry Bulb	354525.3	591177	74.5	11.556	5695			517.8	45.9	275.1	51.2	744
Wet Bulb	233676.6	393498	57.3	5.295	5695			35.2				744
Dew Point	14727.4	31367.0	45.5	6.456	5695			8.2				744

USAFETAC Form 0-26-5 (G.L.A.) 0-1-54 (REV. 10-1-53) (11-1-54) (1-1-55)



GLOBAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 SERVICE ZMAD

# PSYCHROMETRIC SUMMARY

STATION: INTERNATIONAL SP  
 STATION NAME

73-81

YEARS

AGE

PERIOD: 000-0000

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	DB-WB	Dry Bulb			
73	1.0	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	8.37	8.37

Element X	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No Obs	Mean No. of Hours with Temperature					Total	
Rel Hum	1.3155	4.713	48.5	15.875	837	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	1.3155	56.97	68.1	5.474	837			19.7	2.4			4.1
Wet Bulb	2.8255	47.26	58.4	4.544	837							4.1
Dew Point	1.81529	39.13	46.5	7.737	837		7.3					4.1

USAFETAC FORM 0 20 5 (CL A) 01-66 PREVIOUS EDITIONS ARE OBSOLETE









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

# PSYCHROMETRIC SUMMARY

STATION: KANAWHA AFB AFB STATION NAME

73-51

YEARS

AGE

PAGE 1 1275-1455

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
70																															.1	.4			
71																															.2	.5			
72																															.7	1.0			
73																															.5	1.1			
74																															.4	1.0			
75																															.2	.8			
76																															.1	.6			
77																															.2	.5			
78																															.1	.4			
79																															.1	.3			
80																															.2	.5			
81																															.1	.3			
82																															.2	.5			
83																															.1	.3			
84																															.1	.3			
85																															.1	.3			
86																															.1	.3			
87																															.1	.3			
88																															.1	.3			
89																															.1	.3			
90																															.1	.3			
91																															.1	.3			
92																															.1	.3			
93																															.1	.3			
94																															.1	.3			
95																															.1	.3			
96																															.1	.3			
97																															.1	.3			
98																															.1	.3			
99																															.1	.3			
100																															.1	.3			
TOTAL																																			

Element	X	Σ X	X̄	Σ X²	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0 26 5 (0-6-67) PREPARED BY AIR FORCE METEOROLOGICAL BRANCH

GENERAL CLIMATOLOGY BRANCH  
WORLDWIDE  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: **TORREON AFB** STATION NAME: **TORREON** YEARS: **1950**  
**ASD**  
 PERIOD: **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								
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	838	838	838	3	
71	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	838	838	838	4
72	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	838	838	838	4

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	1217259	27948	32.910	987	838							
Dry Bulb	5513354	69486	83.1	6.910	838			91.6	35.7	60.2	5.9	93
Wet Bulb	3354754	52874	63.2	3.690	838			19.8				93
Dew Point	2150133	41572	49.7	6.274	838			6				93

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 U.S. WEATHER SERVICE/MAJ

PSYCHROMETRIC SUMMARY

STATION: TORREJON AFB SD STATION NAME

73-81

YEARS

ALL MONTHS

PERIOD: 1970-1971 HOURS

USAFETAC FORM 0-26.5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM APR 68-121

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
99																																			3	3			
98																																			1	1			
97																																			5	5			
96																																			25	25			
95																																			44	44			
94																																			54	54			
93																																			73	73			
92																			.1															100	100				
91																			.1	1.1	3.2	5.0	3.5	1.0										125	125				
90																			.2	2.2	2.5	3.3	1.6												55	55			
89																			1.1	1.1	.5	1.2													39	39			
88																			.1	.7	1.3	2.3	1.6												52	52			
87																			.1	.5	2.5	2.4	3.1	1.3											53	53			
86																			.1	.4	.2	.6	.6												21	21			
85																			.4	1.1	.5	.5	.5												33	33			
84																			.2	.7	.7															22	22		
83																			.2	1.3	.5	.1														25	25		
82																			.1	.5																14	14		
81																			.2																	5	5		
80			.1		.1														.1	.1															3	3			
79				.1	.1														.1	.1															2	2		174	
78																																				2	2		44
77																																				3	3		234
76																																				3	3		141
75																																						74	
74																																						34	
73																																						32	
72																																						0	
71																																						1	
70																																						74	
69																																						54	
68																																						157	
67																																						151	
66																																						59	
65																																						78	
64																																						45	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature					Total																												
Rel. Hum						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																												
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

# PSYCHROMETRIC SUMMARY

STATION: 27 CONREDDY AB SP STATION NAME

73-01

YEARS

ADJ  
 MONTH

PERIOD: 1500-1700  
 HOURS

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL 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					
/ 77																																					34
/ 30																																				30	
/ 33																																				14	
/ 31																																				5	
/ 32																																				1	
17.0				.8	.2	.2	1.2	1.7	1.2	2.5	6.7	7.3	11.4	11.5	15.3	16.5	12.5	11.8																	837	837	307

Element (X)	Zx'	Zx	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						+10 F	+32 F	+67 F	+73 F	+80 F	+93 F	
Rel. Hum.	55.923	212.91	25.410	4.449	837							
Dry Bulb	6454279	73301	87.6	7.327	837			92.4	89.9	79.8	24.1	93
Wet Bulb	3366333	5307	63.3	3.352	837			14.6	.1			93
Dew Point	1032903	38925	46.4	6.192	837			.8				93

USAFETAC FORM 0265 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR FORCE WEATHER SERVICE/AFMAG

# PSYCHROMETRIC SUMMARY

27 TONREJUN AB SP STATION NAME

73-51

YEARS

400

PAGE 1 15 JUN 1955

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point		
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
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96																																						
97																																						
98																																						
99																																						
100																																						
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.						0 F	32 F	67 F	73 F	80 F	93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

11-27-73  
STATION

WARRLOWN AB SP

STATION NAME

73-81

YEARS

AGE

PAGE 1 1900-2000

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		
/ 30																																				43
/ 31																																				24
/ 32																																				10
/ 33																																				5
/ 34																																				1
/ 35																																				1
TAC		.4	.7	.2	1.0	1.6	2.3	1.9	5.1	7.3	4.8	10.2	17.1	15.2	19.3	6.8	9.7																	837	837	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	140523	22699	47.9	12.473	837							
Dry Bulb	524152	71122	85.2	7.557	837			41.2	46.1	73.7	14.1	43
Wet Bulb	327721	51899	62.1	3.402	837			5.2	.1			43
Dew Point	1753177	37285	45.3	6.777	837		2.4	.1				43

USAFETAC FORM 0-26.5 (OL A) 11-73 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF INVESTIGATION  
CLIMATE DIVISION  
METEOROLOGICAL BRANCH

# PSYCHROMETRIC SUMMARY

STATION: TURELTON AIR BP  
STATION NAME

75-51

YEARS

4

DATE: 11-10-1958

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. Wet Bulb	Wet Bulb Dew Point					
74																						.2						.1			.1	2	1						
75																						.1											5	5					
76																							.3										5	5					
77																						.4							.4				7	7					
78																		.4	1.0	.5	1.0	.4										12	37						
79													.1	.1	.2	2.2	2.0	3.1	1.7	.4												22	50						
80									.1	.1	1.1	1.6	3.2	1.8	1.8	.1																	42	47					
81						.1	.2	1.0	2.0	2.3	3.6	3.1	.4	.5																		119	119						
82					.1	.2	1.2	2.2	1.7	2.2	1.7	2.2	.1	.1																			59	48					
83					.4	.7	1.5	1.4	2.5	2.3	1.1	.8																						42	37				
84				.4	.7	1.1	1.2	.7	2.2	2.2	1.0	.5																						75	75				
85			.1	.1	.7	.5	.4	.7	.8	.1																								33	33				
86		.1	.4	.5	1.1	.5	1.1	.5	1.1	.2																								48	48				
87		.2	.5	.5	.8	.2	.5	1.3	1.1	.1																								41	41				
88		.1	.2	.4	.2	.7	.7	.1																									21	175					
89		.6	.6	.1	.2	.2	.2																										12	147					
90					.2																													4	152				
91								.1																										1	135				
92																																			1	46			
93																																				45	75		
94																																				71	35		
95																																				5	58		
96																																				1	127		
97																																						18	95
98																																					53	53	
99																																					53	53	
100																																					11	11	
101																																					9	9	
102																																					2	2	
Element (K)	Z <sub>K</sub>	Z <sub>X</sub>	X	Y <sub>K</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																												
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0 26 5 (OL A) 47-161 WEATHER DIVISION OF THE ARMY AIR FORCE



FEDERAL CLIMATOLOGY BRANCH  
 AF-TAC  
 8 WASHINGTON SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2-2-54 STATION NAME: TORREON AFB SP. 73-51 YEARS: MONTH: AJS  
 PAGE: 2100-2300 HOURS: 2300

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point		
73																																					837	837
																																				517	517	

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	1421717	72244	39.514	949	837							
Dry Bulb	409952	61422	73.9	6.318	837			75.9	55.7	18.5		93
Wet Bulb	3530413	46505	58.1	4.77	837			1.4				93
Dew Point	1771249	37904	45.4	7.689	837		3.5					93

USAFETAC FORM 0-26.5 (OL A) REVERSE METRIC SIGNATURES OF THIS FORM ARE OBSOLETE





U.S. AIR FORCE CLIMATE DIVISION BRANCH  
 AFSCENTAC  
 WET BULB TEMPERATURE DEPRESSION (F)

# PSYCHROMETRIC SUMMARY

STATION: FLORISSON AFB STATION NAME:

70-01

YEARS

PAGE: 1 OF 1

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	
70																																				
71																																				
72																																				
73																																				
74																																				
75																																				
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77																																				
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99																																				
100																																				
TOTAL	163	141	127	111	97	84	73	64	55	47	39	31	24	18	13	9	6	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Element	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					
Rel Hum	2347.55	477.47	50.2	15.34	808	< 60 F	60 F - 67 F	67 F - 73 F	73 F - 80 F	80 F - 93 F	Total
Dry Bulb	2372.33	485.51	51.3	6.87	808						
Wet Bulb	2312.54	473.36	50.3	6.10	808						
Dew Point	1737.24	364.23	45.5	5.55	808						

USAFETAC FORM 0 26 5 10 4 A (REV. 10-1-64) (FORM 10-1-64) (FORM 10-1-64)

















## PSYCHROMETRIC SUMMARY

STATION: **10-RELUON AB GP** STATION NAME:

73-61

YEARS:

35

PAGE: 1 of 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																		
/ 41																		.2	.7	.9	.9	.1	.2												5	5			
/ 42																		.3	1.7	1.1	1.1														17	15			
/ 43																		.3	1.7	1.1	1.1														38	35			
/ 44																		1.7	1.1	1.1	1.1														41	-1			
/ 45												.1						.2	1.3	.3	.1														17	13			
/ 46											.1	.1	.1	1.4	1.5	1.1	1.2	.1																	41	45			
/ 47											.1	.2	2.2	2.7	4.6	.5	.7	.1																	31	31			
/ 48											.1	.1	1.4	3.3	2.5	.5	.2	.1																	74	74			
/ 49											.1	.7	1.1	2.6	2.3	1.1	.1	.4																	59	59			
/ 50											.5	1.1	2.6	2.1	1.5	1.2																			73	73			
/ 51										.5	1.4	1.1	1.7	1.7																					45	45			
/ 52						.1	.1	1.2	.7	1.2	1.5	1.4	1.2	.1																					54	54			
/ 53				.4	.4	.4	1.2	1.2	1.2	1.2	1.2	1.2	.5	.2																					59	59		1	
/ 54				.4	.2	.4	.2	.5	.4	.5	.1	.1																							24	24		1	
/ 55				.4	.2	1.1	.5	.5	.4	.9	.9																								37	37		50	
/ 56		.7	.4			.1	4.3	.9	1.7	.1	.2																								34	34	174	5	
/ 57		1.2	.5			.1	.2	.7	.2	.1	.1																								25	25	135	15	
/ 58		.7	.2			.2	.5	.3	.2	.4																									22	22	155	23	
/ 59							.5	.2	.1																										3	3	115	21	
/ 60				.1	.2	.2	.1	.2	.1																										5	5	75	29	
/ 61					.2	.1	.1	.1																											5	5	50	33	
/ 62																																				3	3	41	30
/ 63						.2		.1																											3	3	28	45	
/ 64							.1	.1																											2	2	16	51	
/ 65																																			5	5	8	133	
/ 66																																				7	7	51	
/ 67																																				4	4	75	
/ 68																																				1	1	75	
/ 69																																				1	1	41	
/ 70																																						35	
/ 71																																						35	
/ 72																																						31	
/ 73																																						7	
/ 74																																						14	
/ 75																																						3	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																												
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0 26 S (OLA) REF. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AFAC

# PSYCHROMETRIC SUMMARY

STATION ID: 22000001 AFAC  
STATION NAME: AIR WEATHER SERVICE/AFAC

78-81

YEARS

REP

1800-2100

Temp (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL		TOTAL																														
	WET BULB TEMPERATURE DEPRESSION (F)																															D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																													
1.7	2.6	1.7	3.7	0.8	5.4	8.5	10.6	13.7	14.8	12.0	8.3	7.2	3.8	2.1	.2																																																		
																																811		810																															
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature				Total																																																						
Rel. Hum	1522545	29772		36.5	6.722	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																																					
Dry Bulb	4552905	61157		75.5	8.995	810			73.9	57.6	33.1	5.5																																																					
Wet Bulb	2787311	47346		58.5	4.953	810			1.3																																																								
Dew Point	1589244	36442		45.1	7.839	810		4.7																																																									

USAFETAC FORM 0-26.5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CELESTIAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

**PSYCHROMETRIC SUMMARY**

STATION 10-REJUN AB SP STATE ON NAME

75-51

YEARS

MONTH

PAGE 1 2105-0300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
47																																				1	1			
/ 47																																				1	1			
/ 48																									.1										13	13				
/ 49																								.1										12	12					
7 / 49												.1	.5	.9	1.7	1.6	.7	.1															45	45						
/ 50								.2	1.5	2.5	2.2	.7	.9																				52	52						
/ 51							.1	.6	1.3	1.6	3.2	1.2	.7	.9									.1										75	75						
/ 52			.1	.2	.4	1.1	2.2	1.2	2.3	1.2	.4																						45	45	1					
/ 53		.4	.4	.2	1.7	2.1	2.3	2.1	2.8	.2																							48	48	7					
4 / 53		.7	1.0	2.1	1.7	3.2	2.1	2.7	.6	.9	.1																					117	117	78	5					
/ 54	.5	.5	1.0	.5	1.1	2.2	2.0	.9	.5	.1																							78	78	50	12				
/ 55		1.0	.4	.9	1.7	1.7	.7	.7	.2																								54	54	178	21				
/ 56	.1	.2	.2	1.1	1.0	.7	.7	.2																									37	37	137	27				
5 / 56	.1	.4	.2	.6	.6	.9	.4	.2																									29	29	175	42				
/ 58			.1	.8	1.4	.4		.1																									21	21	114	45				
/ 59				.7	.1	.2																											9	9	94	41				
7 / 59				.5	.1	.1																											6	6	57	37				
/ 47			.2	.1	.2	.5																											9	9	44	64				
/ 48				.1	.2																													7	7	36	105			
4 / 40				.5	.1																												2	2	13	75				
2 / 44																																			0	0	73	73		
/ 75																																				0	0	75	75	
/ 77																																				0	0	5	55	
/ 55																																				0	0	33	33	
3 / 73																																				0	0	23	23	
/ 31																																					0	0	11	11
/ 29																																					0	0	13	13
/ 27																																					0	0	15	15
/ 25																																					0	0	2	2
/ 23																																					0	0	7	7
2 / 21																																					0	0	5	5
/ 19																																					0	0	1	1
Element (X)	Σ x'	Σ x	Σ	f <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																												
Rel. Hum.						0 F	32 F	67 F	73 F	80 F	93 F																													
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

FORM 0-26.5 (OL A) REVISION 1-19-54  
 5307  
 USAFETAC

GENERAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 AND WEATHER SERVICE/NAAC

PSYCHROMETRIC SUMMARY

STATION NO. 2701 STATION NAME KARLEJDA AB SP

73-01

YEARS

PAGE 1  
 2100-2200

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	DB. W.B. Diff.	Wet Bulb Dep. F.																
110	1.3	2.3	3.4	4.6	5.9	7.4	8.9	10.6	12.4	14.3	16.3	18.4	20.5	22.7	24.9	27.2	29.6	31.1	11	11															
100																																		11	11
60																																			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	0-32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum	2157931	39502	48.816	7.701	817							90
Dry Bulb	3555569	63353	65.9	7.147	817			35.7	17.7	1.5		90
Wet Bulb	2430703	44101	54.5	5.345	817			1				90
Dew Point	1675533	36167	44.7	8.103	817	6.3						90

USAFETAC FORM NO. 0265 (OLA) REVISED PREVIOUS EDITIONS OF THIS PUBLICATION OBSOLETE





AGRONOMY BRANCH  
 10-1-61  
 10-1-61

# PSYCHROMETRIC SUMMARY

STATION: 10-1-61 STATION NAME: YEARS: 1961

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	DB. W.B.	Dry Bulb	Wet Bulb
1.1	5.7	6.7	7.0	8.1	10.1	11.1	11.4	8.0	6.0	5.9	5.4	4.3	3.7	2.7	1.2	.8	.1											6477	6477						
																																6477	6477		
Element X:	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs	Mean No. of Hours with Temperature					Total																								
Rel Hum	19534375	331457	51.7	19.958	6477	0 F	32 F	67 F	73 F	80 F	93 F	720																							
Dry Bulb	29944474	474275	67.3	11.299	6477			33.3	233.2	121.4	2.2	720																							
Wet Bulb	2239334	359473	55.5	6.559	6477			.3	12.3			720																							
DeW. Point	1421733	298953	46.2	8.742	6477			33.3	.1			720																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION: REVISIONS TO THIS FORM ARE LISTED IN THE...



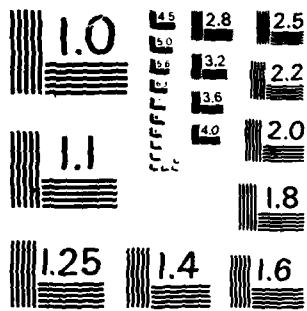




AD-A128 107 TORREJON AB SPAIN REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 18 OCT 82  
UNCLASSIFIED USAFETAC/DS-82/058 SB1-AD-E850 358 F/G 4/2 NL

55


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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

27 IDREJON AB SP STATION NAME

75-81

YEARS

MO

PAGE 1 0800-1100  
HOURS 5.4

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
75							.1			.1								2	2																
73							.2		.1									3	3																
71						.2	.2		.1									5	5																
69				.1	.4	.2	.8	.1	.1									15	15																
67				.5	.2	.1												5	5																
65		.1	.2	.7	.6	.2	.1	.1										18	18																
63		.5	2.6	1.8	2.9	.7	.4	.1										76	76	5															
61	.1	.7	1.6	2.2	1.3	1.2												75	75	13	3														
59	.1	1.5	1.9	1.4	2.3	.7	.4											65	65	38	5														
57	.4	2.5	1.4	2.3	1.8	1.8	.7											91	91	54	25														
55	1.2	2.6	1.9	2.2	1.1	1.4	.4											90	91	51	55														
53	.2	2.4	1.9	1.7	2.6	1.2	.2											81	82	91	47														
51	.6	1.7	2.9	2.5	1.7	.5	.1											79	79	90	74														
49	.5	1.1	1.7	1.8	.7	.1												49	49	91	34														
47	.4	1.7	2.5	1.2	.7	.2												56	56	95	61														
45	.5	2.4	2.1	1.2	.4													54	54	92	118														
43		1.4	1.3	.6	.5													32	32	57	67														
41		.8	.5	.4														14	14	45	65														
39		.6	.4	.1														9	9	28	81														
37	.1	.4	.5	.1														9	9	19	53														
35		.1																1	1	9	39														
33																				6	33														
31																				1	12														
29	.1																	1	1	1	22														
27																					10														
25																					4														
23																					4														
TOTAL	4.2	19.2	21.5	19.6	17.4	11.3	5.5	.6	.6	.1									937		833														
																			633		833														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2565928	45910	54.9	7.150	833		.1	3.7	.6			93
Wet Bulb	2573331	41243	49.5	6.137	833		.2					93
Dew Point	1694587	37039	44.5	7.569	833		5.8					93

USAFETAC FORM 84 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 27 TORREJON AB SP STATION NAME 73-61 YEARS 1950 MONTH OCT  
 PAGE 1 1222-1430  
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point														
70											.1		.1					2	2																
71											.5	.5	.1	.2				11	11																
72									.1	.6	.4	.6	.1					15	15																
73								.1	.8	.1	.7	.2						17	17																
74								.7	1.0	2.2	.1	.4						36	36																
75							.6	.8	1.1	.8	.1							29	29																
76					.1	.8	1.4	1.1	.6	.4	.1							38	39																
77					.7	1.7	1.9	1.4	1.4	.5								64	64																
78					1.2	1.1	1.2	1.1	.5	.1								43	43																
79				.5	1.5	1.2	2.7	1.8	1.7	.2								71	71	0															
80		.5	.4	3.2	2.5	4.2	3.2	1.7	.2	.1								134	134	74															
81		.4	2.4	1.6	1.8	2.5	1.1	.7	.1									88	88	59	4														
82	.2	1.0	1.2	.5	1.8	.8	2.9	1.0	.6									83	83	104	8														
83	.1	.4	.8	1.7	1.9	1.3	1.0	.8										67	67	113	36														
84	.5	1.0	.2	1.4	1.7	1.1	.7	.4										58	58	97	57														
85	.1	.7	.8	1.2	.6	.2												31	31	175	68														
86	.7	1.0	.6	.4	.7	.2												30	30	99	61														
87	.2	.6	.1	.1	.1													9	9	76	49														
88	.2	.4	.1	.1														6	6	59	86														
89	.1	.1	.1	.1														4	4	46	119														
90	.1																	1	1	23	73														
91																				12	69														
92																				4	61														
93																				1	43														
94																					30														
95																					19														
96																					11														
97																					14														
98																					17														
99																					9														
100																					1														
TOTAL	1.1	4.4	7.8	10.5	15.3	16.7	17.6	12.9	8.1	2.6	1.9	.6	.2	.2				837	837	937	937														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2677637	45247	54.1	16.6	837							93
Dry Bulb	3432019	53235	63.6	7.4	837			28.3	12.2	1.9		93
Wet Bulb	2452379	45079	53.9	5.4	837							93
Dew Point	1778408	38052	45.5	7.6	837		5.8					93

USAFETAC FORM NO. 44 0-76-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

270 TORREJON AB SP STATION NAME

71-81 YEARS

OCI MONTH

PAGE 1 1500-17-03 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																		
67 85													.1	.1	.2	.2																6	5						
47 81																		.1	.1	.1	.2	.2											7	7					
77 81																																		48	48				
77 77																		1.3	1.5	1.2														34	34				
77 75													.4	.7	.6	1.1																		24	24				
47 75														.6	1.0	.8	.8																	32	32				
47 71									.1	.8	1.4	1.9	2.4	2.5	.5	.1																		39	43				
77 69										.2	1.9	2.2	2.0	2.8	.2	.4																			82	84			
77 67											.4	.2	.6	1.3	.7	.1	.4																		81	81			
57 65																																				35	35		1
47 63									.1	.1	2.7	1.4	2.4	1.3	1.1	.4																				74	74		13
77 61										.2	.4	2.4	2.7	2.4	2.2	1.9	.5																			120	120		33
77 59										.4	1.3	1.2	1.1	1.9	1.7	1.1	.4	.5																		76	76		93
77 57										.2	.4	1.1	.4	1.2	1.1	.8	1.4	1.3	.1																	67	67		97
77 55										.1	1.3	.2	.8	.7	1.1	.7	.7																			45	45		139
47 53										.2	.4	.6	.8	.8	.7	.1																				31	31		125
77 51										.2	.4	.6	.8	.8	.7	.1																				18	19		100
77 49										.2	.6	.6	.2	1.1	.2																					25	25		78
77 47											.1	.1																								2	2		75
77 45										.1	.6																									7	7		49
47 43											.1																									1	1		38
27 41																																							
77 37																																							
77 35																																							
77 33																																							
77 31																																							
77 29																																							
77 27																																							
77 25																																							
77 23																																							
77 19																																							

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AF WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0-270 TORREJON AG SP STATION NAME

73-01 YEARS

YEARS

JCT MONTH

PAGE 2 1520-1740 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																		
TOTAL	1.	3.6	4.8	7.1	10.0	12.2	14.7	13.5	13.1	8.8	7.1	2.4	.7	.7	.4																						834	834	934

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Rel. Hum.	2167339	39855	47.8	17.750	834							
Dry Bulb	3782953	55849	66.7	8.254	837			43.4	21.2	7.6		93
Wet Bulb	2525375	45677	54.8	5.335	834			.1				93
Dew Point	1707284	37144	44.5	7.976	834		7.6					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAG

# PSYCHROMETRIC SUMMARY

277 TORREJON AB SP STATION NAME

73-01 YEARS

SCI MONTH

PAGE 1 1600-2000 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. Wet Bulb	Wet Bulb Dew Point			
80																						.1	.2					.1					4	4			
79																			.2	.1	.2	.2											7	7			
78																		.2	.5	.7	.1												13	13			
77															.4	.4	.5	.2				.1											14	14			
76														.4	.8	.4																	13	13			
75									.1	1.1	.8	1.2							.4														27	27			
74									.4	1.4	1.1	.6	.5	.5					.5														37	37			
73							.7	.5	1.3	1.6	1.2	.4							.4			.1											52	53			
72			.1				.5	.5	.5	.7	.2	.1							.1														22	22			
71		.1	.1	.2	1.2	.7	1.4	.8	1.2	.2																							51	51	4		
70	.1	.2	2.9	1.2	2.5	2.6	1.3	.5											.1														96	96	9	3	
69	.1	.4	1.9	1.7	1.1	2.2	1.7	.8	.1																								82	82	38	1	
68		1.1	1.2	1.3	2.4	1.6	1.5	1.4	.2	.2																							89	89	76	3	
67	.4	2.2	1.2	1.7	1.1	1.4	1.3	.4	.1																								61	61	94	22	
66	.1	1.3	1.6	2.9	1.4	1.1	.6	.1	.1																								77	77	93	50	
65		1.1	1.4	1.6	2.1	.7	.7	.1																									64	64	93	59	
64	.2	.5	1.9	1.3	.4	.2	.5																										42	42	110	68	
63		.5	1.6	.1	.5	.5																											26	26	99	42	
62	.5	.4	.4	.4	.1	.4																											17	17	83	70	
61		.4	.5	.4	.1	.1																											12	12	68	134	
60				.2																													2	2	28	86	
59			.1	.2	.2																												5	5	18	62	
58			.1																														1	1	13	63	
57																																				5	39
56																																				3	35
55																																				1	23
54																																					13
53																																					29
52																																					19
51																																					3
50																																					7
49																																					5
48																																					1
47																																					2
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 44 0-26-5 (OL A) REVISIO AIR WEATHER SERVICE OF THE ARMY AND AIR FORCE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

0227 TORREJON AB SP 73-81 OCT  
STATION STATION NAME YEARS MONTH

PAGE 2 1977-2000  
HOURS 11:57

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
TOTAL	1.4	7.8	12.4	14.5	12.8	15.1	10.0	6.7	3.1	2.0	.6	.6	.1																								834	837	934

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_a$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Ref. Num.	2998467	47481	56.918	8.27	834							
Dry Bulb	3184616	51188	61.2	8.047	837			21.1	9.7	1.7		93
Wet Bulb	254545	43583	52.3	5.693	834							93
Dew Point	1688443	36915	44.3	8.088	834		8.7					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

027  
STATION

TORREJON AB SP  
STATION NAME

73-81  
YEARS

YEARS

01  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
67 75																				.1													1	1			
57 71								.1	.1																								2	2			
71 71							.1	.1	.5																								6	6			
71 59						.2	.1	.4	.1																								7	7			
67 67					.5	.4	1.3	.7	.1						.1																		13	13			
67 62					.5	.4	1.3	.7	.1						.1																		25	25			
47 65	.2		.4	1.3	1.3	2.5	1.4	.4	.2																								65	66	3	2	
57 61	.1	.4	1.8	.5	1.4	2.3	.6	.1																									60	61	9	1	
71 59		.6	1.9	.7	2.2	.5	.8	.1																									57	57	22	3	
57 57	1.2	3.7	.8	1.6	2.1	1.0	.4	.1																									90	90	50	23	
57 55		2.4	1.3	2.3	1.7	1.3	.6	.7																									96	88	80	32	
47 53	.2	3.1	2.6	1.7	3.7	1.2	.5																										103	103	87	62	
27 51	.2	2.8	4.0	1.9	1.2	1.4	.5																										100	100	96	48	
57 49	.1	1.1	2.5	1.1	1.1	.2																											50	50	102	42	
71 47		1.6	2.6	1.2	1.4	.5																											51	51	95	71	
47 45	.1	2.6	2.1	1.7	1.7	.2																											58	58	98	124	
47 42		1.4	.5	.5	.8																												27	27	65	92	
27 41			.8	.4	.1																												11	11	51	58	
71 37			.2	.2																													4	4	29	72	
27 37		.2	.1	.1																													4	4	15	52	
71 35		.2	.1																														5	5	13	29	
37 33																																				5	26
71 31																																				2	29
71 27																																					26
71 27																																					19
71 25																																					7
71 23																																					11
27 21																																					4
TOTAL	8.320	.221	.814	.918	.113	.1	6.7	2.2	.6	.1																									837	837	833

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	492264	56622	68.0	17.100	833			3.2	.3			93
Wet Bulb	254104	45766	54.7	6.721	833							93
Dew Point	2029759	40819	49.0	5.958	833			.2				93
	1628268	36213	43.5	8.074	833		10.7					93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 027 TORREJON AB SP STATION NAME: 73-61 YEARS: QCT MONTH: ALL HOURS: U.S.T.

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
57/85																																			5	5			
7/83																				.2	.2	.2													13	13			
7/81																			.2	.3	.3	.1	.1	.2											66	66			
7/79																			.2	.3	.3	.2													52	52			
7/77																			.2	.1	.2	.2													55	55			
7/75																			.2	.2	.5	.2	.1												34	34			
4/73																			.1	.5	.3	.4	.1	.1											170	151			
7/71																			.3	.6	.6	.5	.4	.1	.2										169	171			
7/69																			.9	.6	.7	.1	.2	.2											223	224			
7/67																			.4	.4	.4	.2	.1	.2											125	125		1	
6/65																			.7	.9	.5	.4	.1												251	251		20	
4/63																			.2	.2	.2	.2	.2	.2											536	539	73	3	
7/62																			.8	.3	.1	.1													483	454	220	13	
7/59																			.6	.8	.5	.3	.2												452	452	374	45	
7/57																			.5	.3	.2															560	562	533	168
5/55																			.8	1.8	1.2	1.2	1.2	1.0	.5	.3	.2								552	556	638	358	
7/53																			.2	2.0	1.5	1.8	1.6	.6	.3	.2									528	530	639	421	
7/51																			.3	1.6	2.5	1.5	.9	.5	.2										502	503	651	451	
7/49																			.3	1.7	1.8	1.5	.6	.2											326	326	677	315	
7/47																			.5	1.6	2.0	1.3	.6	.2											391	396	676	557	
7/45																			.9	2.5	2.0	1.1	.4	.1											456	467	642	949	
4/43																			.1	1.5	1.1	.8	.3												259	259	456	648	
2/41																			.2	1.2	.8	.5	.1												172	172	351	521	
7/39																			.2	1.3	.6	.2	.2												123	123	259	564	
3/37																			.1	.5	.5	.2														90	90	179	431
7/35																			.2	.3	.3	.1														45	45	116	331
3/33																			.3	.1	.2	.2														27	27	76	226
7/31																			.1	.2	.2	.2														8	8	46	156
7/29																			.1	.2	.2															14	14	27	202
7/27																			.1																	2	2	6	145
7/25																			.1																	2	2	2	70
7/23																			.1																	1	1	1	61
2/21																																							23
7/19																																							8

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

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJON AB SP STATION NAME

73-81 YEARS

NOV MONTH

PAGE 1 7000-0000 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														
59				.4	.1			.1										5	5																
57			.1	.1	.6					.2								9	9																
55	.1	1.1	.7	.4						.2								21	21	5	1														
53	.1	2.8	.7	.7	.2	.2												40	40	22	9														
51	.5	1.9	.6	.9	.5													36	36	23	20														
49	.5	1.5	1.2	.4	.2	.1												32	32	38	26														
47	.5	2.3	1.9	1.4	.9	.4												50	50	29	35														
45	1.4	6.9	4.7	2.3	1.5	.5												140	140	50	40														
43	.6	4.8	4.3	1.7	.7													99	99	91	57														
41		5.4	2.1	.6	.1													67	67	99	70														
39	.7	3.2	2.6	1.2	.4													56	56	97	64														
37	1.1	3.0	3.3	.9														67	67	73	70														
35	.6	3.7	4.0	.5														71	71	63	89														
33	.1	2.0	1.5	.5														33	33	74	57														
31		2.8	1.0															31	31	58	34														
29	.1	2.1	.2															20	20	37	73														
27	.4	1.2																13	13	25	82														
25																					5														
23																					18														
21																					21														
19																					5														
17																					3														
15																					1														
TOTAL	7.0	44.9	29.0	12.5	4.7	1.7	.1												810		810														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5183368	63352	78.8	13.6	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1526214	34514	42.6	6.8	810		7.1					90
Wet Bulb	1315416	32204	39.8	6.5	810		13.9					90
Dew Point	1109551	29282	36.2	7.9	810		30.4					90

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

27 TORREJON AFB SP STATION NAME

73-81 YEARS

YEARS

PAGE 1

404

10-0500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		W.B. 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					
59																																			1	1				
57																																			3	3				
55																																			21	21				
53																																			36	36	18	1		
51																																			25	25	72	23		
49																																			15	18	33	14		
47																																			39	39	27	33		
45																																			66	66	39	38		
43																																			96	96	63	31		
41																																			91	91	75	39		
39																																			83	83	97	61		
37																																			72	72	125	78		
35																																			64	64	74	72		
33																																			46	46	58	65		
31																																			39	39	75	31		
29																																			47	47	52	39		
27																																			26	29	49	14		
25																																			12	12	17	31		
23																																			4	4	4	43		
21																																						17		
19																																						4		
17																																						1		
15																																						4		
TOTAL																																					376	376	675	325

FORM 0-26-5 (OLA) 10-64  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	S <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	
Dry Bulb	5435244	65338	81.113	126	839						92
Wet Bulb	1364942	32706	40.4	7.269	836		14.4				92
Dew Point	1020320	28252	34.8	8.339	836		36.4				92

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

# PSYCHROMETRIC SUMMARY

STATION TORREJON AB SP STATION NAME

73-01

YEARS

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	DB WB	Dr. Bulb	W. Bulb	R. Bulb	Temp		
✓ / 67																																							
✓ / 59																																							
✓ / 57																																							
✓ / 55																																							
✓ / 53																																							
✓ / 51																																							
✓ / 49																																							
✓ / 47																																							
✓ / 45																																							
✓ / 43																																							
✓ / 41																																							
✓ / 39																																							
✓ / 37																																							
✓ / 35																																							
✓ / 33																																							
✓ / 31																																							
✓ / 29																																							
✓ / 27																																							
✓ / 25																																							
✓ / 23																																							
✓ / 21																																							
✓ / 19																																							
✓ / 17																																							
✓ / 15																																							
TOTAL	1	.1	.15	.4	.3	1	.4	9	.4	2	.7	.6	.1	.1																									

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					
						≤ 67 F	67 F	73 F	80 F	93 F	Total
Rel. Hum	55427.2	56478	82.2	12.6	839						
Dry Bulb	1250377	31831	39.1	7.4	810						
Wet Bulb	1142.59	29555	36.9	7.5	939						
Dew Point	477317	27347	33.8	8.5	839						

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 27 IDRODUN AS SP STATION NAME 73-81 YEARS NOV MONTH  
 PAGE 1 0900-1100 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																	
47																																		1	1			
47					.4		.4		.1		.2																							9	9			
47			.1	.6	.7	.7	.2																											20	20			
57		1.2	1.1	.7	.5	.4	.1																											33	33			
57	.2	1.3	2.3	1.7	1.1	.5	.2																											57	57	19	11	
57	.7	1.7	2.2	1.9	.9	.1	.2																											51	51	42	23	
57	.4	1.5	1.1	.2	.7	.5																												36	35	50	15	
57	.2	2.8	2.8	1.6	.9	.2																												73	73	57	39	
57	1.6	5.8	2.8	2.8	2.1	.5																												126	126	79	87	
57	1.6	3.1	2.3	2.3	.2																													51	51	58	71	
57	.4	3.7	3.1	1.7	.1																													72	72	77	55	
57	1.2	3.3	3.2	1.4	.2																													75	75	53	72	
57	1.6	2.5	2.5	.7																														50	50	84	56	
57		3.1	1.9	.1																														42	42	51	64	
57	.4	2.3	1.2	.1																														33	33	57	58	
57		1.4	.2	.1																														11	11	34	45	
57	.2	1.7	.1																															17	17	22	57	
57	.7	.6																																8	5	15	72	
57	.1	.7																																7	7	8	43	
57																																				1	24	
57																																					5	
57																																					2	
57																																					2	
TOTAL		9.35	6.47	7.16	3.8	2.6	1.0																												810	810	510	

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	425169	52198	76.714	9.19	810	< 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1031631	35681	44.3	7.222	810		4.8					90
Wet Bulb	139554	33193	41.7	6.636	810		9.4					90
Dew Point	1156872	29934	37.7	7.912	810		29.3					90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

277 TORREJON AB SP STATION NAME

73-81 YEARS

STATION

NO.

PAGE 1 120-140

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	P															
71																	.1	1																		
69										.6	.2							7																		
67					.1		.2	.2	.1									5																		
65					.1	.1	1.0		.2	.1								13																		
63				.5	.6	3.2	1.5	1.9	.2									54																		
61			.1	1.1	2.1	2.6	1.0	.2	.1									59																		
59		.1	.7	.7	2.7	1.4	1.7	.4										63																		
57		1.1	.7	3.6	3.1	1.6	1.2	.1										63																		
55		1.1	1.7	4.4	2.2	2.5	.7	.6										108	109	75		1														
53		.5	2.5	1.9	3.3	1.6	1.5	.1										84	84	77		13														
51	.1	1.5	1.1	1.6	2.7	.9	1.1											73	73	112		23														
49		1.5	1.1	.5	1.1	1.1	.1											45	45	172		23														
47	.6	1.2	1.1	1.7	1.6	1.1	.2											52	52	95		54														
45	.5	1.5	2.2	2.9	2.3	.9	.1											50	50	75		142														
43	.2	.5	.5	1.4	.2	.2												25	25	67		77														
41	.1	.6	.4	.2	.1													12	12	73		56														
39		1.1	.5	.1														14	14	50		65														
37																				42		59														
35																				14		65														
33																						61														
31																						63														
29																						41														
27																						32														
25																						23														
23																						15														
21																						7														
19																						2														
17																						2														
15																						2														
TOTAL	1.5	10.4	12.2	20.5	22.5	17.2	10.0	3.6	1.4	.5								809	809			809														

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

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum	5131915	48945	60.5	16.528	809							
Dry Bulb	2396145	43737	54.1	6.448	809			1.5				1.5
Wet Bulb	1515548	38080	47.1	5.347	809							
Dew Point	1324501	32152	39.7	7.608	809		15.6					15.6



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

27 STATION TORREJON AB SP STATION NAME 73-91 YEARS NOV MONTH  
 PAGE 1 1879-2000 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 59																		.2											2	2					
1 / 57												.1																		1	1				
6 / 55						.1						.2						.4											6	6					
4 / 53					.1		.7		.6		.4																		23	23					
1 / 51				.1	1.1	1.5	.6																						27	27					
1 / 59		.1	.4	.4	1.2	.7	1.2																						31	31	1				
1 / 57		.5	.9	1.7	1.1	2.0	1.0	.1																					59	59	3				
5 / 55	.1	2.1	1.5	2.5	1.5	2.0	.4	.1																					52	52	12	1			
4 / 53	.1	1.6	2.2	2.2	2.2	1.7	.2	.1																					43	43	54	14			
2 / 51	.4	2.2	3.0	3.0	2.1	.6	.6																						94	94	70	33			
5 / 47	.2	.9	2.2	1.0	.9	.5	.5																						50	50	95	15			
1 / 47	.1	1.5	2.8	2.6	1.2	1.2	.2																						76	76	97	47			
4 / 45	.4	3.3	3.0	4.1	2.3	.4																							109	109	95	101			
4 / 43	.1	2.2	1.7	1.9	.7	.2																							54	54	102	67			
2 / 41		1.5	2.7	1.7	.6																								53	53	68	62			
1 / 39		1.5	1.2	.2	.2																								27	27	79	61			
7 / 37	.2	.7	.7	.4	.1																								18	18	64	75			
1 / 35		.4	.6	.1																									9	9	39	64			
3 / 33		.2	.1	.1																									4	4	19	65			
1 / 31																															6	38			
1 / 29																															3	52			
1 / 27																															1	45			
1 / 25																																1	17		
1 / 23																																	15		
2 / 21																																3			
1 / 19																																1			
1 / 17																																1			
1 / 15																																3			
TOTAL	1.7	18.5	22.8	22.0	15.6	11.4	5.7	1.4	.7	.2																			810	810	810	910			

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	3777975	53671	66.3	16.555	810							90
Wet Bulb	2070369	40665	50.2	6.748	810			3				90
Dew Point	1043471	36187	44.7	5.753	810	1.3						90
	1250993	31229	38.6	7.623	810	20.0						90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 027 TORREJON AB SP STATION NAME: 73-81 YEARS: \_\_\_\_\_ MONTH: NOV  
 PAGE 1 2100-2300  
 HOURS: U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
61					.1	.1																							2	2					
59					.1	.1																							9	9					
57		.1			.9	.1	.6	.1																					15	15					
55	.1	1.4	.7	.5	.2	.5																							28	28	2	1			
53		2.1	1.1	1.5	1.7	.1	.4																						50	57	25	7			
51	.5	2.6	1.2	1.4	1.4	.2	.1	.1																					59	59	37	21			
49		1.2	1.6	1.1	1.1	.1	.1																						43	47	44	14			
47	.1	3.2	4.3	2.6	.7	.9																							94	94	56	34			
45	.9	7.0	4.4	4.0	2.1	.5																							153	153	80	66			
43	1.1	4.3	3.3	2.3	.4																								93	93	121	72			
41		3.7	2.7	1.1	.7	.1																							68	68	96	65			
39	.1	2.5	4.2	.9	.2																								72	72	93	68			
37	.1	1.6	2.3	.6																									36	38	69	87			
35		2.7	1.9	.4																									34	34	68	89			
33	.2	2.6	.6	.2																									30	37	54	67			
31		.6	.3	.1																									10	10	44	33			
29		1.1	.2																										11	11	13	76			
27																																11	63		
25																																	25		
23																																	21		
21																																	13		
19																																	5		
17																																	4		
TOTAL	3.235	329.8	17.7	9.9	3.2	1.2	.1																						809	809	679	819			

Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	1663155	36373	45.0	6.372	809		2.3					90
Wet Bulb	1407377	33391	41.3	6.010	809		7.6					90
Dew Point	1143786	29794	36.8	7.605	809		26.7					90

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 TORREJON AB SP STATION NAME

73-61 YEARS

401 MONTH

PAGE 1 ALL 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				
5 / 75																																			3	3				
4 / 72																																			9	9				
7 / 71																																			9	9				
6 / 69																																				25	25			
5 / 67																																				22	22			
5 / 65																																				59	59			
4 / 63																																					27	27		
3 / 61																																					171	171		1
2 / 59																																					216	213		14
1 / 57																																					268	268		29
5 / 55																																					399	399	124	28
4 / 53																																					454	454	343	57
2 / 51																																					435	434	473	166
5 / 49																																					261	261	536	144
7 / 47																																					452	452	442	343
4 / 45																																					306	305	546	553
4 / 43																																					525	525	663	475
2 / 41																																					421	421	638	465
1 / 39																																					437	437	582	545
2 / 37																																					342	342	554	543
1 / 35																																					301	301	423	574
34 / 33																																					205	205	373	498
2 / 31																																					121	121	298	276
1 / 29																																					150	150	174	477
7 / 27																																					94	99	166	519
7 / 25																																					34	34	57	296
1 / 23																																					12	12	15	206
2 / 21																																					1	1	2	115
1 / 19																																								27
1 / 17																																							19	
1 / 15																																							11	
1 / 13																																							2	
TOTAL	.1 32.3 21.4 14.7 10.7 7.5 4.3 2.0 .7 .2 .1 .0																																	5475	6472	6472				

Element (X)	Σx'	Σx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Rel. Hum.	35361653	464221	71.7	17.863	6472							
Dry Bulb	14640576	372024	46.6	9.258	6475		46.3	7.6	1.3			703
Wet Bulb	11564233	272969	42.2	7.367	6472		79.2					720
Dew Point	9312608	239878	37.1	8.574	6472		216.7					720

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



FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/440

# PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-01 YEARS: DEC MONTH: 3000-0200 HOURS (L.S.T.)

PAGE 1 3000-0200 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	Cew Point		
57		.5	.5	.1																															9	9		
55		1.4	.4	.5																															19	19	7	-2
53		2.3	1.6	.1																															36	35	22	14
51		2.4	1.2	.1																															36	35	30	20
49		2.2	1.4	.2	.1																														35	35	40	27
47		4.9	1.4	.6																															61	61	38	30
45		5.6	1.9	.7	.1																														84	84	73	80
43	1.2	3.7	1.6	.6	.1																														50	50	71	65
41	.2	4.1	1.2	.6																															53	53	49	31
39	.1	4.7	3.1	.7																															72	72	50	47
37	.8	3.7	3.2	.4																															68	68	65	46
35	.5	7.5	2.5	.2																															90	90	73	67
33	.5	4.1	2.3	.7	.1																														54	64	100	55
31	.2	3.8	.8	.6																															48	48	53	62
29	.2	4.5	.6	.4																															50	50	56	60
27	1.2	3.1	.8																																43	43	54	82
25	.2	.8																																	9	9	31	60
23	.1	.1																																	2	2	15	26
21																																						25
19																																						13
17																																						14
15																																						3
13																																						4
11																																						6
TOTAL	7.6	65.3	24.7	6.8	.5																														837	837	837	937

USAFETAC FORM 0-26-5 (OL A) REVISED THROUGH EDITIONS OF THE NOAA AIR OBSERVER

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	579246	69710	82.4	11.080	837	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1411523	33741	40.3	7.838	837		16.7					93
Wet Bulb	1272288	31964	38.2	7.858	837		24.3					93
Dew Point	1110253	29487	35.2	9.244	837		39.2					9

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

127 TQKREJON A SP STATION NAME

73-81 YEARS

DEC MONTH

PAGE 1 2324-2542 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														
59																		1	1																
57		.6			.1													8	8																
55		1.3			.4													14	14	5															
53		2.3	.5		.6													28	29	19	13														
52		.2	2.7	1.8	.1													35	35	26	12														
49		.6	1.4	.5														21	21	44	26														
47		.5	3.8	1.7	.5													49	49	34	25														
45		1.1	7.4	2.3	.5	.1												95	95	63	63														
43		1.4	3.3	.7	.5													50	50	75	50														
41		.2	5.3	.6	.4													54	54	45	43														
39		.4	4.5	1.4	.6													50	60	44	56														
37		1.1	4.4	2.9	.4													73	73	56	52														
35		.2	4.5	2.7	.4													60	60	53	42														
33		.6	5.3	1.9	1.2	.2												77	77	77	45														
31			2.7	.5		.1												22	22	72	28														
29		.2	6.2	.4	.6													62	62	59	61														
27		1.2	5.5	1.8														79	79	55	92														
25		.6	3.3															33	33	63	52														
23		.5	1.1															13	13	36	52														
21			.1															1	1	3	46														
19			.2															2	2	1	29														
17																				2	13														
15																					4														
13																					4														
11																					9														
9																					2														
TOTAL		4.165	9.18	2.6	1.7	.1												837	837	837	837														

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

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5898732	69672	83.2	10.894	837	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1318969	32455	38.8	8.508	837		23.6					93
W- Bulb	1194355	30817	36.8	8.454	837		32.6					93
Dew Point	145881	28431	34.0	9.791	837		43.3					93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 127 IDREJON AB SP STATION NAME 73-81 YEARS DEC MONTH  
 PAGE 1 2630-0800 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 / 59																																			3	3		
1 / 57					.5	.1	.2																											7	7			
5 / 55				.9			.2	.2																										11	11		4	
4 / 53			1.6	1.2		.6	.1																										29	29		9		
1 / 51		.1	2.2	1.0		.1																											29	29		7		
1 / 49		.4	2.2	.6																													26	26		41		
1 / 47		.7	3.2	.4		.1																											37	37		43		
1 / 45	1.4	8.8	1.7		.1																											101	101		51			
4 / 43	1.2	3.7	1.4		.4																												56	56		73		
2 / 41	.2	4.7	.1		.1																												43	43		45		
1 / 39	.4	5.3	1.2		.5																													61	61		43	
1 / 37	.7	3.3	2.9		.1																													59	59		54	
1 / 35	.4	5.0	1.4		.1	.1																												59	59		52	
2 / 33	.2	3.6	1.7		.7																													52	52		77	
1 / 31		2.2	1.4		.2	.2																												34	34		44	
1 / 29	.5	7.2	.1		.4																													68	68		91	
1 / 27	1.8	5.4	.8		.4																													70	70		48	
1 / 25	.7	5.7	.1																																55	55		72
1 / 23	.5	3.0																																	29	29		52
2 / 21	.3																																		5	5		14
1 / 19	.1	.1																																	2	2		1
1 / 17		.2																																	2	2		2
1 / 15																																						1
1 / 13																																						
1 / 11																																						
TOTAL		.955	6.15	.1	4.5	1.1																													837	837		837

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	578222	79210	63.910	0.542	837	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1277171	31819	36.7	8.989	837		29.4					93
Wet Bulb	1161559	30295	36.2	8.823	837		35.0					93
Dew Point	1019511	27975	33.4	10.054	837		44.2					93

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

127 TORREJON AB SP 73-01 DEC  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0900-1100  
 HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
51			.1				.1											2	2																
52			.1	.2														4	4																
53		.5	.2	.4	.4													13	13	2															
54		1.0	.2	.5	.1													15	15	7	1														
55	.1	2.2	1.6	.7	.5													42	42	15	13														
56	.1	1.6	1.1	.2	.1													26	26	32	18														
57	.4	3.0	1.1	.1														38	38	50	14														
58	.5	3.5	1.1	.7														51	51	40	30														
59	1.9	7.8	1.8	1.1	.1													106	106	54	91														
60	.4	3.1	2.4	1.1	.1													59	59	59	52														
61	.1	5.7	1.1	.4	.2	.1												66	66	54	51														
62	.1	5.1	3.2	.4	.2													74	74	55	52														
63	1.3	3.0	3.2	.5	.2													69	69	66	66														
64	.7	6.1	1.8	.5														76	76	66	66														
65	3.7	1.4	.8	.2														52	52	89	54														
66	.1	2.4	.8	.1														29	29	67	29														
67	.4	3.9	.6															41	41	43	64														
68	1.0	3.3	.2	.2														40	40	44	69														
69	.4	2.7																20	20	33	41														
70		1.0																6	6	17	34														
71	.4	.1																4	4	5	26														
72		.1																1	1	1	20														
73	.1																	1	1	2	12														
74																					5														
75																					3														
76																					3														
77																					3														
TOTAL	3.25	9.52	2.02	7.5	2.4	.4												837	837	537	837														

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5754	395	686	95	837							93
Dry Bulb	1438	24	34	03	837		16.0					93
Wet Bulb	1287	15	32	25	837		23.6					93
Dew Point	1117	35	29	53	837		35.6					93

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

STATION 27 TORREJON Ab. SP STATION NAME 71-81 YEARS DEC MONTH

PAGE 1 1200-1400 HOURS G.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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	55																																			1	1			
47	52																																			12	12			
47	51																																			9	9			
47	50																																			20	22			
47	50																																			49	49	12		
57	55																																			63	63	14	9	
47	55																																			65	65	24	13	
47	51	1.0	2.1	3.3	1.3	3.1	.6	.1	.1																										97	97	74	28		
47	49	.4	1.1	2.2	1.1	1.3	.5																												54	54	69	36		
47	47	.2	2.2	3.6	3.2	1.3	.7	.2																											99	99	82	42		
47	45	.5	4.1	4.2	4.1	2.8	.5	.5																											138	138	87	63		
47	43	.2	2.8	2.6	2.4	.7	.1	.4																											77	77	122	41		
47	41	.2	2.8	3.1	1.6	.1		.1																											66	67	109	72		
47	39	.9	2.3	1.3	1.4	.5	.1																												52	52	92	88		
47	37	.4	1.2	.6	.2	.1																													23	23	77	97		
47	35		.6	.5	.4																														12	12	46	88		
37	33																																				28	28	28	28
47	31					.1																														1	1	12	37	
47	29																																					6	37	
47	27																																					1	45	
47	25																																						15	
47	23																																						11	
47	21																																						5	
47	19																																						5	
47	17																																						5	
47	15																																						4	
47	11																																						2	
47	7																																							
TOTAL		3.9	22.5	28.1	21.7	14.5	6.6	2.6	.4	.1																										936	837	836	936	

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	43262.5	5962.1	70.116	.71	936							93
Wet Bulb	19822.4	4040.8	48.3	6.131	837				1.9			93
Dew Point	12833.6	3224.0	38.3	8.148	836				19.2			93

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-01 YEARS: 050  
PAGE 1 1200-1700  
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													
67																																					2	2												
68										.2																												4	4											
69						.3	.2	.4	.1	1.1																												22	22											
70			.1	.4	.4	.4	.5	.7	.1	.2																												23	23											
71		.2	.4	1.2	1.9	1.2	1.8	.1																															57	57	1									
72		.7	2.3	1.2		1.8	.8	.2																															57	57	15	1								
73		1.2	1.8	2.9	1.1	.7	.2																																66	66	21	4								
74		1.9	1.6	2.5	4.7	1.9	.4	.1																															124	124	48	14								
75	.5	.7	4.9	2.7	4.4	1.9	.5	.1																															126	126	65	43								
76		1.9	1.2	2.2	2.5	.8	.2	.1																															75	75	95	33								
77	.1	1.8	2.3	2.9	1.4	.7	.4																																78	78	99	50								
78	.2	4.4	3.3	3.2	2.4	1.2	.1																																125	125	114	82								
79	.1	1.4	1.7	.4	.6	.1	.2																																32	32	133	61								
80		1.5	.8	.6	1.3	.1	.1																																38	38	125	68								
81		1.1	.7	.2	.7																																		19	19	43	88								
82		.1	.1		.1																																		3	3	53	127								
83		.5	.1																																				5	5	15	87								
84	.1																																						1	1	18	64								
85																																											1	1	15	16				
86																																														2	30			
87																																															45			
88																																														19				
89																																														9				
90																																														7				
91																																														5				
92																																														12				
93																																														2				
94																																														2				
95																																														3				
TOTAL	1.1	17.4	2.3	19.7	21.7	11.4	5.7	2.0	.6																																							837	837	837

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	3776614	54408	65.0	16.940	837							
Dry Bulb	2214118	42759	51.1	5.953	837			2				43
Wet Bulb	1742897	37919	45.3	5.472	837			1.5				93
Dew Point	1310571	32513	38.8	8.156	837			1.6				93

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

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/LMAC

# PSYCHROMETRIC SUMMARY

21 TORREJUN AS SP STATION NAME

73-61 YEARS

DEC MONTH

PAGE 1 1500-2000 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			
61				.1	.1	.2																													4	4			
59				.1	.1	.2																												13	13				
57			.6	.2	.5	.1	.2																											14	14	1			
55	.1	1.9	1.2	1.1	.4	.6																												43	43	13	4		
53	.1	1.9	2.5	1.3	.2	.1																												57	57	34	12		
51	.4	1.9	3.3	.5	.7	.2																												54	59	33	11		
49	.2	2.5	2.5	.8	.7						.1																							54	54	57	15		
47	.1	3.2	2.7	2.3	.5	.1																												79	79	50	41		
45	.5	7.1	4.8	3.9	1.7	.2					.1																							156	156	76	100		
43	.2	2.7	3.1	2.5	1.1																													23	23	123	59		
41		4.3	4.8	1.4	.2																													90	90	52	55		
39	.1	2.9	3.2	1.1	.5	.1																												65	65	123	51		
37	.1	1.5	2.7	.8	.1						.1																							49	49	74	50		
35	.1	1.1	1.8	1.1	.1	.1																												35	35	54	51		
33		1.2	1.4	.2	.1																													25	25	48	56		
31		.2	.1	.2																														5	5	40	34		
29		.1	.3																															5	5	19	39		
27			.1																															1	1	5	50		
25																																				0	0	27	
23																																						12	
21																																						9	
19																																						5	
17																																						5	
15																																						1	
13																																						2	
11																																						3	
TOTAL		33	135	71	82	84	20	2																											537	537	837	537	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	4849172	52608	74.913722		837		1.2					93
Wet Bulb	1763503	3563	45.56362		837		7.9					93
Dew Point	1241111	31443	37.68466		837		23.8					93

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

U.S. ARMY CLIMATOLOGY BRANCH  
 WASH. D.C. METAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 21 ID-FLIGHT AREA STATION NAME

73-61

YEARS

8-5-55

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	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.	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																																				
TOTAL	.65	1.4	3.1	1.7	4.6	1.9	.1	.1																												
Σ																																				
TOTAL																																				

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	333412	67086	65.412	1.79	837	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	151937	35165	42.1	7.134	837		9.4				
Wet Bulb	134987	33122	39.5	7.247	837		17.7				
Dew Point	1161436	32250	36.2	8.885	837		32.3				

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





FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/CZMAC

# PSYCHROMETRIC SUMMARY

2-277 TOUREJON 43 SP STATION NAME

73-21

YEARS

ALL MONTHS

PAGE 1

ALL HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL 0.8 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	
74.75																																		3	3		
74.5																																		3	3		
74.25																																		25	25		
74																																		126	126		
73.75																																		172	172		
73.5																																		299	299		
73.25																																		392	392		
73																																		551	551		
72.75																																		652	652		
72.5																																		855	855		
72.25																																		476	476		
72																																		1008	1008		
71.75																																		1545	1545		
71.5																																		1374	1374		
71.25																																		1335	1335		
71																																		1504	1504		
70.75																																		1647	1648		
70.5																																		1977	1979		23
70.25																																		2118	2119		145
70																																		1286	1288		795
69.75																																		2357	2357		1896
69.5																																		4441	4444		3311
69.25																																		3410	3411		3734
69																																		3127	3127		4101
68.75																																		3773	3775		4450
68.5																																		3876	3880		4556
68.25																																		4250	4252		4941
68																																		4194	4195		5593
67.75																																		2725	2725		5671
67.5																																		4032	4037		5675
67.25																																		5937	5938		56221
67																																		3578	3578		5383
66.75																																		3137	3138		4562
66.5																																		2833	2833		3796

FORM 0-26.5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS NUMBER OBSOLETE  
 USAFETAC JAN 64

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

**PSYCHROMETRIC SUMMARY**

27  
 STATION ID: DRREJWH Aa SP STATION NAME

75-01

YEARS

ALL

PAGE 1  
 HOURS ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
1 / 27		.4	1.1	.9	.3																														2187	2137	3512	5304				
2 / 28		.4	1.3	.9	.2																														1952	1952	2815	4811				
3 / 23		.1	1.7	.6	.1																														1489	1489	2433	3573				
4 / 21		.2	.6	.3	.2																														727	775	1922	2135				
5 / 27		.1	1.1	.2	.0																														1071	1071	1391	3313				
6 / 28		.1	.4	.7	.0																														426	426	700	2058				
7 / 22		.1	.2	.1																															196	196	347	1567				
8 / 21		.1	.1	.7																															76	76	175	883				
9 / 17		.1	.1	.1																															22	22	49	517				
10 / 17		.1	.7																																12	12	22	313				
11 / 15																																					1	1	1	45		
12 / 11																																						1	1	1	58	
13 / 11																																							1	1	1	39
TOTAL		.5	21.9	17.0	12.5	9.8	8.1	6.7	4.6	3.9	2.9	2.5	1.7	1.4	1.4	1.0	.6	.6																	75722		75692		b			
																																					78692		75692			

Element (X)	Σx²	Σx	x̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	3437122.1	4921223	62.522	.18	78692							
Dry Bulb	25556114.1	4437609	56.715	.446	78722	397.0	1995.3	1398.4	804.9	113.5	8762	
Wet Bulb	1904270.67	3789781	48.210	.370	78692	630.5	107.3	.2			8762	
Dew Point	139610.24	3233538	41.19	.261	78692	1538.0	.2				8762	

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

2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION		STATION NAME											YEARS		
TERRACON ASD OP		73-31													
REF	ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
-12		MEAN	38.1	41.1	45.4	46.5	52.3	60.4	67.6	66.1	61.3	51.5	42.6	40.3	51.1
		S.D.	7.203	6.985	6.598	5.772	6.236	6.659	6.118	5.674	6.891	6.741	6.815	7.576	12.385
		TOTAL OBS	637	762	837	707	836	810	837	837	809	837	810	837	9874
-		MEAN	38.4	38.2	41.6	42.9	48.5	55.8	61.9	62.9	57.1	49.5	40.4	37.8	47.8
		S.D.	7.095	7.411	6.576	6.682	6.322	5.461	5.603	5.436	6.355	6.902	7.269	6.573	11.392
		TOTAL OBS	636	761	836	728	837	819	837	836	819	837	809	837	9777
-1		MEAN	38.1	37.1	38.9	42.4	48.9	56.7	62.1	61.4	55.2	47.2	39.1	38.0	48.9
		S.D.	6.165	7.961	6.912	6.203	5.976	5.732	5.736	5.272	6.199	7.343	7.447	8.989	11.713
		TOTAL OBS	637	762	837	707	837	809	837	837	810	837	810	837	9647
-11		MEAN	38.1	41.6	45.8	51.1	58.7	67.9	75.0	73.8	65.9	54.9	44.3	40.6	54.1
		S.D.	7.484	6.900	6.280	5.676	6.521	6.683	6.381	6.374	7.129	7.115	7.222	6.263	14.510
		TOTAL OBS	637	762	837	810	837	810	837	837	810	837	810	837	9661
I-14		MEAN	48.4	48.7	54.0	57.9	65.1	75.3	83.5	83.1	75.7	63.6	54.1	41.3	63.1
		S.D.	5.775	5.415	6.257	6.182	7.724	7.831	7.481	6.910	7.043	7.431	6.448	6.171	14.714
		TOTAL OBS	637	762	837	810	836	810	837	836	810	837	809	837	9691
-17		MEAN	38.2	32.4	37.3	40.6	47.8	58.3	67.9	67.6	79.9	66.7	57.5	51.1	46.7
		S.D.	6.655	6.670	7.318	7.076	8.472	8.532	7.775	7.327	8.237	8.254	6.710	5.993	15.214
		TOTAL OBS	637	762	837	810	837	810	837	837	810	837	809	837	9661
-21		MEAN	44.5	48.3	53.7	57.8	65.5	75.9	85.9	85.2	75.5	61.2	50.2	45.5	62.5
		S.D.	5.959	6.309	7.417	7.174	8.405	8.757	7.975	7.557	8.995	8.247	6.748	6.332	16.231
		TOTAL OBS	637	762	837	810	837	810	837	837	810	837	810	837	9661
1-23		MEAN	41.5	42.8	46.8	51.6	57.3	66.4	74.7	73.9	65.9	54.7	45.0	42.0	55.1
		S.D.	6.254	6.232	6.534	5.830	6.725	6.965	6.793	6.318	7.147	6.721	6.372	7.134	13.682
		TOTAL OBS	637	762	837	810	836	810	837	837	810	837	809	837	9859
ALL HOURS		MEAN	41.1	43.5	47.6	51.4	58.0	67.1	74.8	74.5	67.1	56.1	46.6	43.1	56.1
		S.D.	6.489	6.423	7.125	6.561	7.062	7.109	7.331	7.156	7.321	7.299	6.854	6.258	15.446
		TOTAL OBS	6674	6695	6695	6332	6693	6478	6696	6694	6694	6477	6696	6476	6696

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GENERAL CLIMATOLOGY BRANCH  
 AF ETAC  
 AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

ALT-SULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NO		STATION NAME												YEARS	
100-FLJUN AB SP		73-81													
HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	S.D.
-2	MEAN	30.1	37.7	40.3	42.4	47.8	54.3	58.1	58.4	53.0	47.5	39.8	34.2	45.9	
-2	S.D.	7.112	6.934	5.874	5.591	5.125	4.617	4.309	4.644	6.109	6.386	6.592	7.255	7.497	
-2	TOTAL OBS	636	762	837	757	836	811	837	837	816	834	810	837	8001	
-4	MEAN	34.7	36.2	38.2	39.8	43.2	51.7	53.7	54.2	50.9	45.7	38.1	36.8	43.8	
-4	S.D.	7.012	7.391	6.371	5.829	5.378	4.814	4.546	4.846	6.116	6.715	6.916	8.454	7.487	
-4	TOTAL OBS	636	761	836	728	877	809	837	836	819	834	806	837	8760	
-7	MEAN	33.7	35.3	36.9	39.6	43.6	52.4	54.2	53.7	50.0	44.4	36.9	36.2	43.3	
-7	S.D.	7.435	7.851	6.694	6.163	5.351	4.831	4.450	4.657	6.133	7.124	7.158	8.830	9.897	
-7	TOTAL OBS	636	762	837	747	837	809	837	837	811	834	809	837	8642	
-11	MEAN	36.0	36.2	41.8	47.2	51.4	57.9	60.5	60.8	56.4	49.5	41.0	36.4	46.1	
-11	S.D.	7.213	6.818	5.792	5.216	4.754	4.453	3.843	3.906	5.431	6.137	6.536	8.045	10.523	
-11	TOTAL OBS	636	762	837	812	837	812	837	837	812	833	810	837	8556	
1-15	MEAN	41.0	43.3	46.3	48.7	53.9	61.0	62.7	63.2	61.2	53.9	47.1	43.7	48.1	
1-15	S.D.	6.274	5.198	5.385	4.984	4.749	4.273	3.641	3.690	4.940	5.413	5.347	5.841	9.185	
1-15	TOTAL OBS	637	762	837	812	836	812	837	836	810	837	809	836	8657	
-17	MEAN	43.0	45.0	47.6	49.6	54.7	60.5	63.0	63.3	61.6	54.6	46.7	45.3	53.1	
-17	S.D.	4.811	4.964	5.300	4.812	4.642	4.017	3.227	3.351	4.685	5.335	5.149	5.472	8.454	
-17	TOTAL OBS	637	762	837	812	837	812	837	837	811	834	809	837	8657	
-21	MEAN	41.7	42.9	46.0	48.5	53.6	59.7	62.1	62.7	56.0	52.3	44.7	41.9	51.1	
-21	S.D.	5.497	5.527	5.594	5.118	4.725	4.137	3.204	3.402	4.953	5.693	5.756	6.442	9.233	
-21	TOTAL OBS	637	762	837	812	837	812	837	837	812	834	810	837	8658	
1-23	MEAN	37.5	39.6	42.3	45.0	50.2	56.7	58.4	58.1	54.5	49.0	41.3	39.5	47.7	
1-23	S.D.	6.291	6.237	5.513	5.296	4.786	4.382	3.921	4.077	5.345	5.958	6.110	7.247	9.294	
1-23	TOTAL OBS	637	762	837	812	836	811	837	837	812	833	809	837	8659	
ALL HOURS	MEAN	38.0	39.8	42.4	44.9	50.3	56.7	58.8	58.9	55.5	49.6	42.2	40.0	48.2	
ALL HOURS	S.D.	6.354	7.245	6.895	6.517	6.068	5.534	5.295	5.501	6.669	7.063	7.367	7.984	10.070	
ALL HOURS	TOTAL OBS	6692	6.95	6695	6332	6693	6478	6696	6694	6477	6673	5472	6695	78693	

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

**MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS
21		TURPELON AB SP												73-81
HRP. CNT.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A.
0-12	MEAN	33.3	34.4	36.3	37.6	43.4	49.1	46.6	46.0	45.6	43.2	39.2	39.2	41.7
	S.D.	6.157	8.345	7.388	7.354	6.221	6.378	7.011	7.737	8.555	7.963	7.939	9.244	9.452
	TOTAL OBS	830	762	837	757	836	810	837	837	873	834	810	877	9601
	MEAN	32.3	33.3	34.9	35.8	41.9	46.1	46.6	46.7	45.1	42.1	34.8	34.0	39.7
	S.D.	6.465	8.684	7.586	7.394	6.163	6.346	6.503	7.326	8.143	8.250	8.339	9.791	9.855
	TOTAL OBS	830	761	836	726	837	809	837	836	879	834	806	837	9756
	MEAN	31.1	32.6	34.0	35.9	42.4	46.7	47.0	47.0	45.1	41.2	33.8	33.4	39.4
	S.D.	6.850	9.042	7.743	7.278	6.328	5.884	5.942	6.729	7.816	8.191	8.911	10.054	9.981
	TOTAL OBS	830	762	837	797	837	809	837	837	810	834	809	877	9540
	MEAN	33.0	34.7	37.1	38.0	45.0	50.4	50.1	51.0	49.0	44.5	37.0	35.3	42.3
	S.D.	6.126	8.214	7.521	7.444	5.827	6.076	5.574	5.721	7.228	7.569	7.912	9.246	9.809
	TOTAL OBS	830	762	837	810	837	810	837	837	810	833	810	837	9659
	MEAN	30.1	36.8	38.0	39.2	44.3	46.9	48.0	49.7	46.8	45.5	37.7	38.3	42.8
	S.D.	6.980	7.869	8.006	7.506	6.102	6.157	6.020	6.274	7.575	7.615	7.608	8.145	8.773
	TOTAL OBS	837	762	837	810	836	810	837	836	810	837	879	836	9657
	MEAN	30.8	36.6	37.3	38.6	43.5	47.5	45.2	46.4	46.1	44.5	39.7	35.3	42.3
	S.D.	7.111	8.193	7.567	7.476	6.200	6.569	5.683	6.192	7.067	7.970	7.732	8.150	8.372
	TOTAL OBS	837	762	837	810	837	810	837	837	810	834	809	837	9857
	MEAN	30.3	36.5	37.6	38.6	43.3	47.5	44.8	45.3	45.0	44.3	38.6	37.0	41.3
	S.D.	7.124	8.064	7.878	7.910	6.363	7.158	6.136	6.777	7.839	8.086	7.620	8.466	8.457
	TOTAL OBS	837	762	837	810	837	810	837	837	810	834	810	837	9859
	MEAN	34.1	35.4	37.0	38.7	43.9	49.3	45.6	45.4	44.7	43.5	38.8	36.2	40.3
	S.D.	7.546	7.937	7.533	7.677	6.442	6.862	6.982	7.683	8.160	8.074	7.605	8.885	8.991
	TOTAL OBS	837	762	837	810	836	810	837	837	810	833	879	837	9859
ALL HOURS	MEAN	34.3	35.0	36.5	38.0	43.5	48.7	46.8	47.3	46.2	43.6	37.1	36.1	41.1
	S.D.	6.036	6.427	7.812	7.570	6.238	6.455	6.456	7.095	8.042	8.046	8.074	9.209	9.261
	TOTAL OBS	6692	695	6695	6330	6693	6474	6696	6694	6477	6673	6472	6695	78691

# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
1-1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-2	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-3	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-4	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-5	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-6	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-7	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-8	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-9	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-10	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-11	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-12	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-13	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-14	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-15	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-16	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-17	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-18	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-19	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-20	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-21	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-22	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-23	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-24	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-25	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-26	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-27	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-28	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-29	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-30	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-31	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	31

# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
	1-2	100.0	100.0	100.0	99.5	97.9	95.8	93.8	91.9	89.9	87.9		
	1-3	100.0	100.0	100.0	100.0	99.1	96.9	95.0	93.0	91.0	89.0		
	1-4	100.0	100.0	100.0	100.0	98.7	97.0	95.7	93.7	91.7	89.7		
	1-5	100.0	100.0	100.0	99.4	97.0	95.0	93.0	91.0	89.0	87.0		
	1-6	100.0	100.0	99.7	98.7	96.7	95.4	93.9	91.9	89.9	87.9		
	1-7	100.0	99.7	99.5	98.5	96.7	95.0	93.0	91.0	89.0	87.0		
	1-8	100.0	99.9	99.0	98.0	96.4	95.0	93.0	91.0	89.0	87.0		
	1-9	100.0	99.9	99.0	98.0	96.3	95.0	93.0	91.0	89.0	87.0		
	1-10	100.0	99.9	99.0	98.0	96.3	95.0	93.0	91.0	89.0	87.0		
	1-11												
	1-12												
	1-13												
	1-14												
	1-15												
	1-16												
	1-17												
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	1-25												
	1-26												
	1-27												
	1-28												
	1-29												
	1-30												
	1-31												
	TOTALS	100.0	100.0	99.4	98.0	96.0	94.0	92.0	90.0	88.0	86.0		



# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (EST)	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%		
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 \_\_\_\_\_

## 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%		
<b>TOTALS</b>											

# 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%		
<b>TOTALS</b>											





# 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		100.0	100.0	99.6	98.4	94.0	88.0	81.1	71.6	61.2	48.0	

# RELATIVE HUMIDITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ PERIOD \_\_\_\_\_ MONTH \_\_\_\_\_

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TOTALS											

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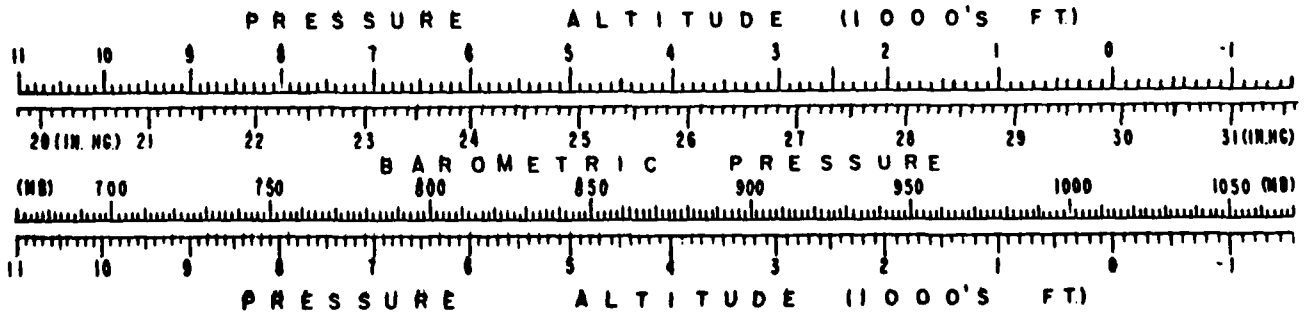
PART F PRESSURE SUMMARY

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. DATA NOT AVAILABLE

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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### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION NO. 73-01

73-01

STATION NAME	YEARS												ANN. MEAN		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
MEAN	27.03	27.95	27.77	27.35	27.86	27.89	27.95	27.96	27.95	27.99	27.96	27.79	27.77	27.77	27.75
S.D.	.233	.234	.201	.183	.128	.100	.094	.082	.107	.174	.178	.204	.204	.179	.179
TOTAL OBS	27	254	279	27	278	270	279	279	27	279	270	279	279	279	3289
MEAN	27.02	27.95	27.93	27.80	27.88	27.94	27.96	27.95	27.99	27.96	27.97	27.98	27.98	27.98	27.96
S.D.	.233	.235	.202	.175	.131	.102	.094	.081	.114	.177	.179	.204	.204	.181	.181
TOTAL OBS	27	254	279	27	278	270	279	279	27	279	270	279	279	279	3289
MEAN	27.15	27.93	27.91	27.86	27.88	27.95	27.97	27.96	27.99	27.95	27.96	27.97	27.97	27.97	27.95
S.D.	.231	.240	.203	.180	.133	.103	.098	.083	.110	.183	.180	.206	.206	.184	.184
TOTAL OBS	27	254	279	27	279	27	279	279	27	279	270	279	279	279	3274
MEAN	27.03	27.94	27.94	27.89	27.90	27.97	27.99	27.98	27.99	27.97	27.98	27.98	27.98	27.98	27.98
S.D.	.230	.246	.205	.177	.134	.103	.097	.084	.110	.183	.183	.206	.206	.185	.185
TOTAL OBS	27	254	279	27	279	270	279	279	27	279	270	279	279	279	3297
MEAN	27.05	27.96	27.94	27.89	27.90	27.95	27.97	27.97	27.99	27.97	27.98	27.98	27.98	27.98	27.98
S.D.	.233	.245	.204	.187	.131	.103	.094	.081	.112	.179	.183	.207	.207	.184	.184
TOTAL OBS	27	254	279	27	279	270	279	278	27	279	270	279	279	279	3286
MEAN	27.00	27.92	27.91	27.85	27.87	27.92	27.93	27.93	27.97	27.94	27.95	27.95	27.95	27.95	27.95
S.D.	.220	.238	.200	.182	.126	.097	.092	.079	.100	.173	.179	.201	.201	.174	.174
TOTAL OBS	27	254	279	27	279	271	279	279	27	279	270	279	279	279	3287
MEAN	27.98	27.91	27.88	27.83	27.84	27.89	27.90	27.91	27.94	27.92	27.94	27.94	27.94	27.94	27.94
S.D.	.221	.232	.197	.149	.122	.096	.091	.078	.103	.169	.178	.208	.208	.177	.177
TOTAL OBS	27	254	279	27	279	271	279	279	27	279	270	279	279	279	3287
MEAN	27.02	27.94	27.91	27.86	27.86	27.91	27.92	27.92	27.95	27.95	27.96	27.96	27.96	27.96	27.94
S.D.	.221	.230	.195	.180	.121	.096	.090	.080	.110	.169	.179	.208	.208	.177	.177
TOTAL OBS	27	254	279	27	279	271	279	279	27	279	270	279	279	279	3287
ALL HOURS	MEAN	27.02	27.94	27.92	27.86	27.88	27.93	27.95	27.95	27.99	27.95	27.96	27.96	27.96	27.95
S.D.	.221	.238	.202	.185	.129	.102	.097	.085	.112	.176	.180	.208	.208	.182	.182
TOTAL OBS	223	2032	232	212	223	216	223	223	216	223	216	223	216	223	2645

DATE  
LIMED  
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