

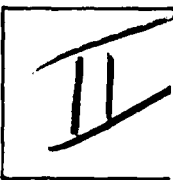
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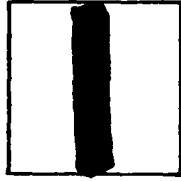


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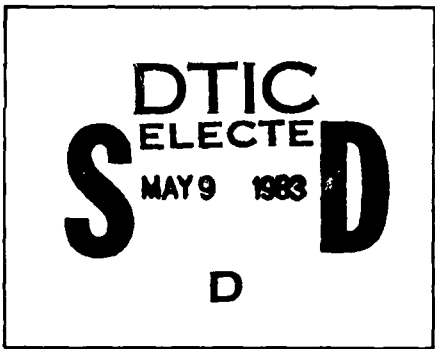
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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

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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

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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)- TORREJON AB, SP		5. TYPE OF REPORT & PERIOD COVERED Final rept.
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
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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
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative Humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for TORREJON AB, SP It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

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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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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	
10	Aug 82		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. 20541
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

27 APR 73 TULSA, OK, AB 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	1-31		7.9		.4		8.3	12.3	6.5			18.7	636
FEB	1-29		7.7		1.1		8.7	13.5	6.2			19.7	636
MAR	1-31		6.8		1.3		7.4	16.7	6.1			22.1	637
APR	1-30		5.7		.6		6.3	20.0	7.3			27.2	637
MAY	1-31		5.3		.7		6.3	13.6	8.0			21.9	637
JUN	1-17		5.0		.6		5.6	8.1	5.0			17.1	637
JUL	1-2		5.5		.7		9.0	7.4	6.0			18.7	637
AUG	1-23		7.8		.6		6.2	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 STORM	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		11.1	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 MAP MONTH
 STATION NAME YEARS

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/MAC

WEATHER CONDITIONS

0 270 TORREJON AFB SP 73-21 YEARS APR
 STATION NAME 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 OF SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	0-2		8.9				8.9	.7	.3			.7	757
	3-5	.1	7.8				7.8	1.8	1.2			3.7	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	.4	7.2				7.2	.9	1.4			2.2	810
	15-17	1.5	6.9			.2	9.1						810
	18-20	1.2	8.5		.1		9.6	.1	.1			.2	810
	21-23	.4	10.0				10.3	.1	.2			.4	810
TOTALS		.5	7.2		.1	.2	8.2	1.8	1.8			7.0	6732

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
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 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 STATION NAME 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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

D. 270 STATION COMREJON 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	829
	23-05	.2	1.5				1.5	.4	.4			.7	829
	6-18	.1	3.2				3.2	1.2	1.2			2.5	817
	19-11	.1	3.2				3.2	1.5	1.6			3.1	811
	12-14		1.6				1.6	.2	.5			.7	812
	15-17	1.2	2.3				2.3						810
	18-22	1.0	1.4				1.4		.1			.1	812
	21-23	.7	1.4				1.4		.2			.2	812
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
CT	20-21		3.5				3.5		2.2			2.2	837
	23-25		4.1				4.1	0.4	0.2			0.3	837
	26-28	0.1	5.3				5.3	3.0	1.7			4.7	837
	9-11		5.4				5.4	3.6	5.2			9.7	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
	21-23		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 AFB 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 _____

PERCENTAGE OF OBSERVATIONS WITH PRECIPITATION OR VISIBILITY IMPAIRMENT FROM WEATHER CONDITIONS

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	1.1	1.1	.1	.1	.1	.1	111.6
FEB	109.5	.2	1.1	.1	4.3	.1	1.1	1.1	.1	.1	.1	.1	109.5
MAR	108.4	.2	.1	.1	.1	.7	1.1	1.1	1.1	.1	.1	.1	108.4
APR	107.3	.4	1.1	.1	.1	.1	1.1	1.1	.1	.1	.1	.1	107.3
MAY	106.2	1.1	1.1	.1	.1	.4	1.1	1.1	.1	.1	.1	.1	106.2
JUN	105.1	1.1	1.1	.1	.1	.5	1.1	1.1	.1	.1	.1	.1	105.1
JUL	104.0	.7	1.1	.1	.1	.4	1.1	1.1	.1	.1	.1	.1	104.0
AUG	102.9	1.1	1.1	.1	.1	.1	1.1	1.1	.1	.1	.1	.1	102.9
SEP	101.8	.4	1.1	.1	.1	.3	1.1	1.1	.1	.1	.1	.1	101.8
OCT	100.7	.1	1.1	.1	.1	.4	1.1	1.1	.1	.1	.1	.1	100.7
NOV	99.6	.1	1.1	.1	.1	.1	1.1	1.1	.1	.1	.1	.1	99.6
DEC	98.5	.1	1.1	.1	.1	.1	1.1	1.1	.1	.1	.1	.1	98.5
TOTALS		.7	1.4	.7	1.1	.5	1.1	1.1	.1	.1	.1	.1	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

2

AL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE DIVISION

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

STATION DR. J. A. SP 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					20.0	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
JUL			6.3	.7	1.5	1.8	2.4	.9	.3	.3				7.7	744	.46	1.31	.0
AUG			5.5	.3	2.4	1.5	2.1	1.1	.3	.1				8.2	744	.47	2.73	.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
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		

WINDSPEED DIRECTION
 WINDSPEED DIRECTION
 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	.75	17.45
5*	.46	.29	1.17	1.25	2.97	1.70	.47	.81	2.64	2.42	1.97	1.75	17.44
5*	1.52	3.19	1.54	.14	2.87	.83	.74	.82	.41	5.21	1.71	2.75	21.15
5*	1.27	.43	.42	1.21	1.31	.71	.85	.73	1.75	1.55	4.49	1.71	17.77
5*	1.37	1.17	2.22	2.45	2.07	.83	.82	.73	1.54	1.44	1.90	2.75	15.27
5*	3.02	2.13	.57	3.19	.11	1.70	1.34	TRACE	2.25	.74	5.37	3.75	27.12
5*	4.05	4.14	1.56	1.14	.47	2.11	.47	.13	.41	.71	1.71	1.75	15.54
5*	1.94	1.36	2.22	.18	.49	.33	.74	.29	1.26	4.99	4.41	1.31	15.81
5*	2.27	2.86	.26	1.76	1.08	1.18	.16	TRACE	1.29	4.11	2.26	.75	17.15
5*	.71	2.33	.39	1.71*	1.48	.49	TRACE	.74	.59	2.12	2.40	.25	15.47
5*	.84	2.59	2.22	3.21	.55	.26	.26	1.16	.88	.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	.25	20.66
7	1.75	.21	.32	.19	.42	.54	1.15	.13	TRACE	.67	1.74	.25	11.15
7*	2.34	.78	1.41	2.07	4.76	2.46	.39	.30	.25	1.54	.17	2.43	15.24
7*	2.35	3.27	2.37	.12	.75	.44	.12	.04	4.27	5.11	2.83	1.75	22.29
7*	1.29	.06	.09	.53	2.58	2.11	1.67	.68	TRACE	1.27	1.95	2.75	24.43
7*	1.50	1.40	2.99	2.33	.67	.77	.61	.24	TRACE	.53	1.73	.27	13.74
7*	1.19	1.99	1.44	2.75	2.25	1.62	.20	1.34	1.51	TRACE	.20	1.75	17.26
7*	.46	2.29	.46	2.52	1.95	1.87	1.31	2.13	2.34	2.54	1.21	2.77	21.23
7*	2.50	1.74	.55	.63	.98	1.71	.75	1.47	.35	2.95	1.20	2.75	17.27
7*	1.52	2.39	1.81	1.26	1.86	2.27	.52	.23	.45	.52	1.12	2.17	16.97
7*	4.24	2.61	1.57	2.32	.62*	.26	.57	.25	2.41	2.72	.34*	.25	14.72
7*	.22	1.92	2.13	.52	2.82	1.14	TRACE	.17	.47	1.51	1.66	.12	12.22
7*	.17	1.90	1.24	2.12	1.72	.25	.37	.74	.77	.23	.26	2.27	13.77
MEAN	1.643	1.972	1.457	1.753	1.589	1.179	.46	.467	1.26	1.925	2.229	1.25	17.459
SD	1.311	1.133	.949	1.138	1.146	.830	.504	.543	1.152	1.712	1.554	1.424	7.810
TOTAL OBS	741	677	736	715	743	717	744	744	720	762	738	749	894

NOTE * (BASE) ON LESS THAN FULL MONTHS

2

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 04	03 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	0.0	0.7	0.9	0.4	0.5									1.0	744	0.5	1.0	0.0
FEB	0.0	0.0	0.6	0.4	0.1	0.3								1.0	673	0.5	7.0	0.0
MAR	0.3	1.0	0.1	0.3										0.4	744	0.1	1.9	0.0
APR	0.9	0.0	0.0											0.3	744	TRACE	0.0	0.0
MAY	0.9	0.0												0.3	744	TRACE	TRACE	0.0
JUN	0.0	0.0												0.3	719	0.0	0.0	0.0
JUL	0.0	0.0												0.3	744	0.0	0.0	0.0
AUG	0.0	0.0												0.3	744	0.0	0.0	0.0
SEP	0.0	0.0												0.3	720	0.0	0.0	0.0
OCT	0.9	0.1												0.3	775	TRACE	TRACE	0.0
NOV	0.9	0.0												0.3	750	TRACE	TRACE	0.0
DEC	0.5	2.5	0.0	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	MONTH	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	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0
55		TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
56		.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0
57		.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
58		.0	.0	.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	.0	TRACE	TRACE
61		.0	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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64		1.9	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.9
65		0.0	.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0
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	.0	.0	.0	.0	.0	.0	.0	.0	.0	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	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
78		1.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
79		.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80		TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
81		1.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
MEAN		.41	.29	.44	.03	TRACE	.00	.00	.00	.00	TRACE	TRACE	.00	.00
S D		.757	.764	.227	.00	.00	.00	.00	.00	.00	.00	.00	.00	.956
TOTAL OBS		744	678	744	744	744	719	744	744	720	775	750	777	744

U.S. AIR FORCE AIR FORCE
 STATION

EXTREME VALUES
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION NUMBER: 100000000000
 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	.0	.0	.0	.0	.0	TRACE	TRACE	.2
59	.1	2.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	.1
60	2.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.2
61	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.1
62	.1	TRACE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
63	.1	7.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
64	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1
65	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.1
66	.1	.1	.0	.1	.0	.0	.2	.0	.0	.0	TRACE	.0	.1
67	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.1
68	.1	TRACE	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	TRACE	.1
69	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.1
70	2.1	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.1
71	2.1	.0	1.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.1
72	.1	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.1
73	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.1
74	.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.1
75	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
76	TRACE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
77	TRACE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	.1
78	2.1	TRACE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
79	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
80	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.1
81	1.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.1
MEAN	.43	.49	.28	.01	TRACE	.00	.00	.20	.20	TRACE	TRACE	.78	1.44
S.D.	.374	1.498	.588	.040	.300	.000	.000	.000	.000	.000	.000	.777	1.844
TOTAL OBS.	744	679	744	720	744	719	744	744	72	778	75	777	684

NOTE * (BASED ON LESS THAN FULL MONTHS)

2

FEDERAL METEOROLOGICAL BRANCH
 U.S. DEPARTMENT OF COMMERCE
 WASHINGTON, D.C. 20541

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	101 250	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			.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			.9	.1														774			
ANNUAL			.9	.1	.1	.1	.1											854			

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: 00010014 STATION NAME: 07-01 YEARS: 1970-1979

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
70	TRAC	1	1	1	1	1	1	1	1	1	1	1	1
71	1	1	1	1	1	1	1	1	1	1	1	1	1
72	1	1	1	1	1	1	1	1	1	1	1	1	1
73	1	1	1	1	1	1	1	1	1	1	1	1	1
74	1	1	1	1	1	1	1	1	1	1	1	1	1
75	1	1	1	1	1	1	1	1	1	1	1	1	1
76	1	1	1	1	1	1	1	1	1	1	1	1	1
77	1	1	1	1	1	1	1	1	1	1	1	1	1
78	1	1	1	1	1	1	1	1	1	1	1	1	1
79	1	1	1	1	1	1	1	1	1	1	1	1	1
80	1	1	1	1	1	1	1	1	1	1	1	1	1
81	1	1	1	1	1	1	1	1	1	1	1	1	1
82	1	1	1	1	1	1	1	1	1	1	1	1	1
83	1	1	1	1	1	1	1	1	1	1	1	1	1
84	1	1	1	1	1	1	1	1	1	1	1	1	1
85	1	1	1	1	1	1	1	1	1	1	1	1	1
86	1	1	1	1	1	1	1	1	1	1	1	1	1
87	1	1	1	1	1	1	1	1	1	1	1	1	1
88	1	1	1	1	1	1	1	1	1	1	1	1	1
89	1	1	1	1	1	1	1	1	1	1	1	1	1
90	1	1	1	1	1	1	1	1	1	1	1	1	1
91	1	1	1	1	1	1	1	1	1	1	1	1	1
92	1	1	1	1	1	1	1	1	1	1	1	1	1
93	1	1	1	1	1	1	1	1	1	1	1	1	1
94	1	1	1	1	1	1	1	1	1	1	1	1	1
95	1	1	1	1	1	1	1	1	1	1	1	1	1
96	1	1	1	1	1	1	1	1	1	1	1	1	1
97	1	1	1	1	1	1	1	1	1	1	1	1	1
98	1	1	1	1	1	1	1	1	1	1	1	1	1
99	1	1	1	1	1	1	1	1	1	1	1	1	1
00	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
S D			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL OBS	744	673	714	703	744	729	744	744	731	774	763	773	744

NOTE: * (BASED ON LESS THAN FULL MONTHS)

PART C

SURFACE WINDS

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

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

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

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

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

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: 77-51 YEARS: JAN
 CLASS: ALL WEATHER MONTH: NORTH
 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	.2	1.7	.3	1.1	.1	.1						1.5	7.1
NNE	.2	2.2	.3	.1	.1	.1						1.1	4.1
NE	.7	4.7	1.1	.7	.1	.1						1.4	5.1
ENE	.7	1.6	.3	.1	.1	.1						1.1	4.4
E	.1	.1	.1									1.1	3.6
ESE	.4	.1		.1								.2	3.4
SE	.1											.2	2.6
SSE	.1	.5	.1									.2	2.6
S	.1	.3	.3	.4	.1							2.1	7.3
SSW	.8	1.4	1.3	1.4	.1							1.7	6.1
SW	1.1	2.3	1.2	.1								1.1	7.1
WSW	.1	1.4	1.4	1.3	.1							1.1	6.1
W	.1	.1	1.7	.9								1.1	7.3
WNW	.1	.1	.1	.1								1.0	4.4
NW	.1	.1			.1							1.0	4.4
NNW	.1	.1	.1	.1								.2	3.4
VA ^{BL}	.1	.4	.1	.1								.1	1.4
CALM												7.3	3.7
	1.2	1.9	12.7	6.6	1.4	.5						1.1	5.7

TOTAL NUMBER OF OBSERVATIONS: 130

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: FORRESDUN AFB STATION NAME: FORRESDUN 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	.6	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								6.0	4.0
ENE	3.7	1.4	.4	.5	.1	.1						6.3	5.1
E	1.3	.7	.4									1.7	2.6
ESE	2.5	.4										.6	2.8
SE	.2											.2	1.9
SSE	.2	.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	.3	.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

USUAL 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	.2	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	.2		.1	1.2	.5							1.3	12.1
NW			.2	.4								.3	2.7
NNW	.2	.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

1. METEOROLOGICAL BRANCH
2. WEATHER SERVICE /MAC

SURFACE WINDS

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

STATION: TOPEKA AB 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 HOURS (LBY) 1900-2000
CONDITION

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	2.5	2.6	1.7		.6						11.2	0.9
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	4.6

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
 CLASS ALL WEATHER 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 77-81

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						9.7	6.4
NNE	4.3	4.1	1.0	.3								9.7	6.2
NE	3.4	3.0	2.1	.5								7.4	5.0
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										1.6	2.6
VARBL			.1									.1	9.0
CALM												70.2	
	22.4	21.1	17.7	6.8	1.4	.3						170.0	4.2

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 YEAR: 77-81 MONTH: FEB
 HOURS: 1-24
 CONDITION: _____

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥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								6.4	5.9
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

NATIONAL CLIMATOLOGY BRANCH
 WAFSC
 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: NOVEMBER
 CONDITION: _____

SPEED KNTS/ DIR	1-3	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	5.5
ENE	3.8	2.6	.8	.7	.1							7.6	4.5
E	3.5	1.6	.7	.1								1.1	3.8
ESE	.4	.5	.1									1.6	3.0
SE	.7	.1			.1							1.0	4.7
SSE	.7	.1		.1								1.0	5.7
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							5.4	7.0
WSW	.2	.4	2.4	1.6	.5							6.4	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	
TOTAL	21.1	18.7	16.4	9.4	7.1	.4	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 762

WAFSC 11/02 1900-1900

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 WINDY HARBOR YEAR 1951 MONTH SEP
 CLASS ALL WEATHER NO. OBS. 170
 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	8.7
CALM												2.0	
TOTAL	17.1	21.4	21.9	22.6	6.8	2.1		.1				12.0	5.7

TOTAL NUMBER OF OBSERVATIONS 170

WINDS
 METEOROLOGICAL SERVICE
 WASHINGTON, D. C.

SURFACE WINDS

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

STATION NAME: AF JVA STATION NUMBER: 77-01 CLASS: ALL WEATHER MONTH: APR YEAR: 1964

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

CLASSIFICATION: 1 PM (TIME OF DAY) (FIRST SECTION OF THE FORM ARE LEFT BLANK)

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: 1977-1981
 CLASS: ALL WEATHER MONTH: FL
 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 HOUR: 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	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		.7						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	.7						6.5	7.7
SW	1.4	2.3	3.7	2.7	.2	.7						7.1	8.2
WSW	1.7	1.6	2.4	2.7	.5	.7						6.7	6.3
W	1.7	1.7	1.5	.9	.1	.1	.7					4.5	8.2
WNW	.5	.7	.4	.3	.1	.7	.7	.7				1.3	7.6
NW	.7	.4	.1	.1	.1	.7	.7	.7				1.1	5.6
NNW	1.1	.7	.8	.7	.1	.7	.7	.7				2.5	5.7
VARBL	.1	.2	.6	.5	.1	.7	.7	.7				1.6	9.3
CALM												23.9	
TOTAL	1.9	20.2	17.9	12.3	3.7	.7	.1	.7				17.3	5.4

TOTAL NUMBER OF OBSERVATIONS: 6095

2

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: JOFREJON 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
WASHINGTON, D.C. 20541
METEOROLOGICAL SERVICE CENTER

SURFACE WINDS

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

STATION: TORREJON AFB SP STATION NAME: 73-81 YEARS: MONTH: 319-0000
CLASS: ALL WEATHER HOURS: 151

CONDITION:

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	2.4	1.9	1.4	.0	.1						17.3	6.2
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	3.2
ESE	.4	.1										.5	2.0
SE	.1	.1										.2	4.7
SSE	.2	.5	.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	7.2
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	7.2
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						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 636

FEDERAL BUREAU OF SURVEILLANCE
 NATIONAL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: TOPEKA AB SP STATION NAME: TOPEKA AB SP 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 BUREAU OF METEOROLOGY
NATIONAL CLIMATOLOGY BRANCH
A. W. WEAATHER SERVICE/2MAC

SURFACE WINDS

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

STATION

1069: JON. A. 10P

STATION NAME

73-81

YEARS

WAD
MONTH

ALL WEATHER
CLASS

1970-1972
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	18.1
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	.7	1.2	1.0	.1								4.3	4.5
SSW	1.5	2.9	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								2.2	7.9
WW		.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 (L.S.T.): 1200-1400
 CONDITION:

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	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 CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/MAI

SURFACE WINDS

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

STATION NAME: INDREBOON AFB STATION NUMBER: 73-61 YEARS: 1950-1951
 CLASS: ALL WEATHER MONTH: 0-12
 CONDITION: _____ HOURS IN YEAR: _____

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												837	

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 _____ 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	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	.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	16.3	27.0	3.3	.7						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 637

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE, WDC

SURFACE WINDS

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

STATION: FORBURN AFB SP STATION NAME: 75-31 YEARS: 11-10-1951
 CLASS: ALL WEATHER MONTH: 11-10-1951
 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 HILL STATION NAME: TORREY HILL YEARS: 17-21 MONTH: ALL
 CLASS: ALL WEATHER HOURS: 12-24
 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	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						7.7	7.7
SW	1.5	2.3	2.8	1.8	.1	.7						7.0	7.7
WSW	1.2	1.8	2.1	2.7	.3	.7						7.3	8.4
W	1.1	1.4	1.6	1.1	.2	.7						7.3	7.8
WNW	.7	1.1	.3	.8	.2							7.0	7.8
NW	.7	.7	.6	.5	.1							2.3	7.8
NNW	1.1	1.7	.5	.5	.1							3.4	8.4
VARBL	.1	.2	2.1	.7	.1	.7						5.2	9.4
CALM												1.2	
	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
TAC
STATION NAME

SURFACE WINDS

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

STATION 27 JULY 1951 STATION NAME 77-81 YEARS 1951
CLASS ALL WEATHER MONTH JULY
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	4.1	4.6	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							16.5	6.7
ENE	1.7	2.2	2.7	.8	.1							1.6	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									1.6	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	6.3
NW	.7	.4	.1									1.1	3.2
NNW	1.0	.8	.5									1.4	4.1
VARBL	.1	.1	.8	.3								1.5	5.1
CALM												23.6	
#	17.7	25.4	41.7	7.5	1.1							10.1	4.7

TOTAL NUMBER OF OBSERVATIONS 757

VALLEY HILL BRANCH
 TAC
 SOUTH SERVICE ROAD

SURFACE WINDS

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

STATION NO. _____ STATION NAME _____ YEARS _____
 MONTH _____
 CLASS ALL WEATHER
 CONDITION _____

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.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									.7	3.7
E	.7	.4	.4									.7	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
W	.7	.7	1.2	.7								3.2	3.7
WSW	.7	.7	1.2	.4								.7	3.7
W	.7	.1	1.2	.4	.1							3.2	3.7
WNW	.7	.4	.1	.8	.1							3.2	4.4
NW	.7	.7	.3	.1								3.4	4.4
NNW	1.1	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	4.4

TOTAL NUMBER OF OBSERVATIONS 128

WINDS FROM 1000 FT. TO 3000 FT. ARE NOT OBSERVED



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: 01000 DATE: 17-21 YEAR: 1954
 STATION NAME: ALL WEATHER CLASS: ALL WEATHER MONTH: 12
 CONDITION: ALL WEATHER

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	1.0	1.0	1.0	1.1	1.7							1.0	2.6
NNE	1.0	1.0	1.0	1.5								1.0	4.4
NE	1.0	1.0	1.0	1.6	1.1							1.0	4.0
ENE	1.1	2.0	1.0	1.1								1.0	3.7
E	1.0	1.1	1.4									1.0	3.0
ESE	1.0	1.0										1.0	2.0
SE	1.0	1.0	1.0	1.1								1.0	7.0
SSE	1.0	1.0	1.0									1.0	5.0
S	1.0	1.0	1.0	1.0								1.0	5.0
SSW	1.0	1.0	1.0	1.3								1.0	6.0
SW	1.0	1.0	1.0	1.4								1.0	6.0
WSW	1.0	1.0	1.0	1.1								1.0	5.0
W	1.0	1.0	1.0	1.4								1.0	5.0
WNW	1.0	1.0	1.0	1.6								1.0	6.0
NW	1.0	1.0	1.0	1.3								1.0	4.0
NNW	1.0	1.0	1.0	1.1								1.0	4.0
VARBL	1.0	1.0	1.0									1.0	5.0
CALM												1.0	0.0
TOTAL	71.0	21.0	12.0	4.0	1.4							100.0	3.8

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: 1019, JUN. AFB, ID 77-31 11-000
 CLASS: ALL WEATHER MONTH: JUN-71
 HOURS: 1-24
 COND TYP:

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	1.0
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	.2	.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							1.0	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												10.0	
TOTAL	2.4	7.3	7.0	14.0	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: 120304 STATION NAME: 77-81 YEARS: 1970-1977
 CLASS: ALL WEATHER MONTH: 12
 CONDITION: 1407 HOURS U.S.T.

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		.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	7.7
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							9.1	6.7
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 CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAVAL

SURFACE WINDS

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

STATION: TORP, JUN AFB, SP STATION NAME: YEARS: 73-81 MONTH: APR
 CLASS: ALL WEATHERED HOURS OBSERVED: 1800-1800
 LONGITUDE: LATITUDE: TIME ZONE: TIME OF 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	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	2.2	.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	.2	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 0 2771 TORREJON AB SP STATION NAME 73-81 YEARS APR NORTH 11 0-2300 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	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								1.5	4.6
ESE	.4	.6	.1									1.1	4.2
SE	.7	.7	.2	.2								1.5	5.5
SSE	.7	.8	.4									1.9	5.8
S	1.7	1.5	.6	.4	.1							3.3	6.2
SSW	.8	.6	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	5.7
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	.8	1.5	.4									2.7	4.9
NNW	.8	1.7	.4	.4	.1							3.7	4.7
VARBL		.1	.9	.5								1.5	6.7
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 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	1.9	2.8	2.7	1.6	.3							10.3	6.9
ENE	1.0	1.8	1.5	.9	.1	.0						5.6	6.3
E	1.0	1.1	.6	.1	.0							3.1	4.7
ESE	.0	.7	.2	.0	.0							1.5	4.1
SE	.0	.4	.4	.2	.0							1.3	5.1
SSE	.7	.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	.7							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							5.0	7.0
W	1.0	1.4	1.1	.7	.0							4.3	6.7
WNW	.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	.0	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. 07 STATION NAME TARRAGON AFB STATION NUMBER 73-81 YEARS 7288
 CLASS ALL WEATHER MONTH MAY PERIOD 1968-1969 HOURS U.T. 1

SPEED KNTS DIR	1-3	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
 AFETAC
 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 3700-5000 HOURLY

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	3.0
E	1.1	.5										1.6	3.3
ESE	.5	.2										0.7	2.5
SE	.4	.7	.2	.2								1.1	5.0
SSE	.7	.5	.5	.1								1.9	5.7
S	.6	2.2	2.2									4.0	6.4
SSW	.5	1.7	1.8		.1							4.2	5.3
SW	.4	1.6	.7	.1								2.8	5.0
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	
	20.4	27.7	12.1	2.4	.5							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 535

NATIONAL METEOROLOGICAL SERVICE
 WASHINGTON, D.C.
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: FOREIGN AIR SP YEARS: 17-81 MONTH: MAY
 STATION NAME: _____ CLASS: ALL WEATHER HOURS: 0000
 CONDITION: _____

SPEED KNTS DIR	1-3	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								11.0	0.7
NE	.7	3.5	1.9	.5								11.7	0.9
ENE	.4	2.7		.1								6.7	1.1
E	.3	1.2	.1									1.1	2.1
ESE	.7	.4	.1									1.2	3.1
SE	.4	.1										.4	3.1
SSE	.4	.5	.4	.2								1.4	0.7
S	1.1	1.4	1.6	.4								4.9	0.7
SSW	1.1	1.7	2.0	.2								7.9	0.7
SW	.7	1.4	1.4	.1								7.7	0.1
WSW	.7	.5	.4	.1								1.7	4.5
W	.7	.5	.9									1.2	5.5
WVW	.7	.1	.2									1.1	3.4
NW	.4	.2	.1									1.7	4.2
NNW	.2	.4										1.4	3.2
VARBL			.4	.2								1.3	1.1
CALM												2.1	
TOTAL	25.7	14.5	11.7	3.5	.2							100.1	2.1

TOTAL NUMBER OF OBSERVATIONS: 537

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	2.2
E	.1	2.6	.1	.1								.1	1.7
ESE	.1	1.1	.4									.1	1.1
SE	.1	.1		.1								.1	1.1
SSE	.3	.1	.1	.4								.1	1.1
S	.1	2.2	1.7	.5	.1							.1	1.1
SSW	.1	4.1	3.1	1.9								11.4	2.1
SW	.1	2.7	2.7	1.1								.1	1.1
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								11.4	1.1
CALM												11.4	1.1
TOTAL	11.4	23.2	12.4	12.8	.6	.4	.1					114.0	5.1

TOTAL NUMBER OF OBSERVATIONS 837

U.S. NATIONAL METEOROLOGICAL SERVICE
 WASHINGTON, D.C.

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: _____
 TIME: _____

SPEED KNOTS D.R.	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						.3
NNE			1.4	1.0	.4	.1						.4
NE			.7	.5	.1	.1						.3
ENE		1.1	.7	.5	.1							.3
E	.7	1.2	.4	.1								.3
ESE		1.1	.4	.1								.2
SE	.4	.7	.4	.1								.3
SSE	1.1	.7	.4	.2								.3
S	.7	1.4	.7	.7								.3
SSW	.7	1.4	1.7	.7	.2							.3
SW	.7	2.1	4.9	.7	.4							1.1
WSW	1.1	1.7	7.0	1.1	.4							1.7
W	1.2	1.7	2.0	1.4	.5							1.3
WNW	.7	.7	1.6	1.7	.5							.7
NW	.7	.7	.7	.4								.3
NNW	.1	.1	.4	.4								.1
VARBL		1.0	11.4	6.1	.2							1.7
CALM												.7
TOTAL	11.7	24.7	34.8	21.5	7.2	.5						11.7

TOTAL NUMBER OF OBSERVATIONS

877

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE

SURFACE WINDS

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

STATION NAME: STATION NAME YEAR: 1953 MONTH: JUN DAY: 4 TIME: 0000
 CLASS: ALL WEATHER LOCATION: STATION NAME

DIRECTION	0-2	4-6	7-10	16	17-21	22-27	28-33	34-40	41-47	48-55	56	60	MEAN WIND SPEED
N	.2	0.7	0.1	.1	.1								.2
NNE	.1	.2	.7	.7	.1								.2
NW	.7	.2	.1	.1	.1								.2
NE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WNW	.1	.1	.1	.1	.1								.2
NW	.1	.1	.1	.1	.1								.2
NNW	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1	.1	.1								.2
N	.1	.1	.1	.1	.1								.2
W	.1	.1	.1	.1	.1								.2
WSW	.1	.1	.1	.1	.1								.2
SW	.1	.1	.1	.1	.1								.2
SSW	.1	.1	.1	.1	.1								.2
S	.1	.1	.1	.1	.1								.2
SSE	.1	.1	.1	.1	.1								.2
SE	.1	.1	.1	.1	.1								.2
ESE	.1	.1	.1	.1	.1								.2
E	.1	.1	.1	.1	.1								.2
ENE	.1	.1	.1	.1	.1								.2
NNE	.1	.1	.1										

1
2

AGROMETEOROLOGICAL STATION
 12
 1977-1981

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

SURFACE WINDS

STATION: 12 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	0.6								0.8
NNE	0.3	2.0	2.0	0.0	0.1	0.1						0.8
NE	0.0	2.3	2.0	0.0								0.7
ENE	0.0	0.7	1.0	0.4								0.7
E	0.0	1.0	1.0	0.1								0.7
ESE	0.0	0.4	0.0									0.4
SE	0.0	0.0	0.0									0.0
SSE	0.0	0.7	0.7	0.2								0.9
S	0.0	0.0	1.7	0.0	0.1							0.7
SSW	0.0	0.0	1.7									0.7
SW	1.0	0.7	1.7									0.7
WSW	1.0	2.0	2.0	0.4								1.0
W	0.0	0.0	0.0	0.4								0.7
WNW	1.0	1.0	0.6	0.4								0.5
NW	0.0	1.0	0.0	0.1								0.7
NNW	0.0	0.0	0.7	0.1								0.6
VARBL			0.6	0.7	0.0							0.1
CALM												0.3
TOTAL	17.0	11.1	17.1	1.4	0.5	0.1						11.0
												4.5

TOTAL NUMBER OF OBSERVATIONS 375

QUANTITY: 1.00 UNIT: PERCENT

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 NATIONAL WEATHER SERVICE

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 MONTH ALL YEAR

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	.4	.1								1.6	4.8
SSE	.7	.4	.5	.4								2.6	5.0
S	1.4	2.4	1.6	.8								3.9	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	3.6	1.2	.1							1.2	7.1
W	.7	1.6	1.2	.8	.1							4.5	6.5
WNW	.7	.7	.7	.8	.1							2.4	7.7
NW	.7	.6	.4	.1								3.5	5.5
NNW	1.7	.9	.4	.2								1.2	4.6
VARRL	.1	.1	.4	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: 0777 DATE: JUN 4 1959 YEARS: 77-81 MONTH: JUN
 STATION NAME: CLASS: ALL WEATHER NUMBER OF HOURS: 24

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.7	.4	.1								4.4	1.1
NNE	.4	2.2	.7	.6								5.3	3.1
NE	.2	2.2	3.7	1.1								11.3	5.8
ENE	.1	2.4	1.8	.5								6.3	3.7
E	1.1	1.4	.1									2.6	3.7
ESE	.7	.4	.1									1.2	3.7
SE	.4	.4	.6									1.4	3.7
SSE	.1	.4	.1	.1	.1							1.1	3.7
S		1.2	.2	.1	.1	.1						1.6	3.7
SSW	.2	.2	2.0	.1								3.1	3.7
SW	.2	.2	.2	.2								1.4	3.7
WSW	.2	1.1	.2	.5								1.7	3.7
W	.2	.2	.2	.2								1.4	3.7
WNW	.2	.2	.1	.2								1.1	3.7
NW	.2	.4	.1									1.1	4.4
NNW	.7	.2	.1									1.3	3.7
VARBL			1.0	.4								1.4	3.7
CALM												20.5	
TOTAL	11.4	24.7	15.6	4.2	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 527

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 778-888 HOURS 12000

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								3.9	4.3
E	0.1	1.4	.5		.1							2.7	7.5
ESE	0.5	.1										.6	2.7
SE	.1	.5	.1	.1								.8	5.4
SSE	.4		.4	.2	.1							1.4	5.7
S	.5	.5	.5									1.7	4.8
SSW	.5	1.1	.5	.1								2.2	5.6
SW	.4	1.7	.5	.1								2.7	7.4
WSW	.1	.1	.1	.5								1.4	7.5
W	.6	.2	.2	.1								1.2	5.3
WNW	.1	.3	.1	.1								.6	6.9
NW	.5	.1										.6	2.6
NNW	1.7	.5										2.2	2.3
VARBL			.4	.1								.5	9.5
CALM												73.3	
	23.5	19.9	9.9	2.8	.7							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 812

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

SURFACE WINDS

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

STATION NAME: WARRINGTON AIRFIELD STATION NUMBER: 77-81 YEARS: 77-81 MONTH: JUN
 CLASS: ALL WEATHER RELEASE LIST: 6-7-81
 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	.9	.5									4.8	2.7
NNE	.7	1.7	1.6	.2								10.5	3.5
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									1.8	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	1.5
NNW	.7	.5										1.3	3.5
VARBL			1.2	.5								1.7	9.0
CALM												11.4	
TOTAL	34.4	17.2	11.6	7.8								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 316

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 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: _____

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	4.7
ENE	.7	1.7	1.2	.5								4.2	5.1
E	.1	1.7	.5									2.7	5.1
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	5.7
NW	.5	.1	.4	.2								1.2	5.6
NNW	.4	.2	.2	.2								1.1	5.3
VARBL	.7	3.5	14.7	4.6								22.7	6.7
CALM												3.6	
TOTAL	21.3	32.7	29.8	17.9	.2							100.0	6.7

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: WARRIOR AB, SF STATION NAME: WARRIOR AB YEARS: 71-81 MONTH: JUN
ALL WEATHER PERIOD: 1970-1981
 HOURS: 12
 CONDITION:

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.2	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	1.7	.6	.1								5.5	5.4
S	1.7	3.0	1.1	.4								7.2	5.1
SSW	1.0	7.1	2.2	.4								7.5	5.9
W	1.2	3.7	7.7	1.4	.1							6.1	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 812

2

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

SURFACE WINDS

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

STATION: TRAFALGAR AIR 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	.8	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							2.0	6.9
S	1.0	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: 1950-1959
 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								12.1	6.1
ENE	1.7	1.7	1.2	.5								5.2	3.5
E	.9	1.4	.6									2.7	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								2.7	5.7
SSW	1.0	.7	.4	.1								2.5	4.4
WSW	1.4	.7	.5									.5	4.3
W	2.1	2.8	1.1	.5	.2							6.4	5.1
WNW	1.9	1.1	.2	.4								3.5	4.7
NW	1.1	1.6	.4	.2								3.3	5.2
NNW	2.2	2.5	.2									4.9	3.4
VARBL		.1	2.0	.5	.1							2.7	9.6
CALM												16.5	
	25.3	33.2	19.1	5.4	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 610

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE

SURFACE WINDS

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

STATION: WINDY JOE AIR FLD YEARS: 73-81 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	9.0	1.7								1.4	5.2
NE	1.3	7.7	10.7	7.7	.4							1.4	6.3
ENE	.7	7.7	10.7	8.8								1.1	6.3
E	1.1	10.7	10.7	1.1	.1							1.1	6.1
ESE	.7	7.7	10.7									1.7	7.2
SE	.7	4.0	10.7									1.2	6.5
SSE	1.4	7.7	10.7	.4								1.4	6.7
S	.7	7.7	10.7									1.1	4.5
SSW	.7	7.7	10.7	.4								1.3	4.5
SW	.7	7.7	10.7									1.7	4.5
WSW	.4	7.7	10.7									.8	4.4
W	.4	7.7	10.7	.4								1.2	7.5
WNW	1.7	7.7	10.7									1.3	2.8
NW	.7	7.7	10.7	.1								1.7	3.5
NNW	1.3	10.7	10.7									1.5	3.8
VARBL			.7	.5								1.2	1.8
CALM												1.1	
TOTAL	37.4	28.7	18.1	8.8	.6	.1						122.7	4.1

TOTAL NUMBER OF OBSERVATIONS: 537

UNAPPORTIONED FROM THE FEDERAL BUREAU OF SURVEY NATIONAL METEOROLOGICAL SERVICE

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

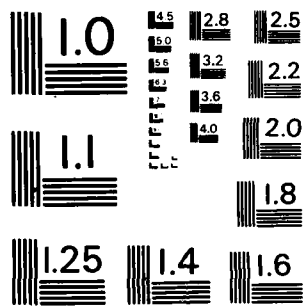
SURFACE WINDS

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

STATION: 1 WAGON A-10 STATION NAME: 27-1 MONTH: JUL
 CLASS: ALL WEATHER HOURS: 15
 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	1.7	0	.1								.7	3.0
NNE	1.4	0.4	1.7	.2								.7	10.7
NE	4.7	7.7	0.7	.6								.7	4.0
ENE	1.7	7.7	0.7	.5								.4	4.0
E	1.7	1.7	0.7	.2	.1							.4	4.0
ESE	0	1.7										.7	1.0
SE	0	1.7										.7	2.0
SSE		1.7										.7	1.0
S	0	0	0									.2	4.0
SSW	0	1.7										.7	1.0
SW	0	1.7		.1								.7	1.0
WSW	0	1.7		.1								.7	1.0
W	0	1.7		.1								.7	1.0
WNW	0											.7	1.0
NW	0											.7	1.0
NNW	0	1.7		.1								.3	3.0
VARBL			1.7	.2								.4	1.0
CALM												.3	1.0
TOTAL	34.7	27.4	10.3	7.1	.1							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 15



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-HE: 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

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L. S. T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	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: 027 TORREJON AB SP STATION NAME: 73-81 YEARS: JUL MONTH: ALL ALL MOSES (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	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 NORTH
 ALL WEATHER
CLASS
 0300-0500
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	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 BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20541
 U.S. 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	2.3	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	.5							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 1977-2370 MONTH: NORTH 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	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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 271 TOPREJON AB SP STATION NAME 73-81 YEARS MONTH AUG ALL HOURS ALL DAY

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	3.1	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)

11.27 TOPREJON AB SP 73-81 SEP

STATION STATION NAME YEARS MONTH

ALL WEATHER 0300-0500

CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥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									2.6	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

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 1978-1100 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	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
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1200-1400
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	.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	.1	1.6										3.7	3.1
SE	.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	4.3
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							10.5	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

FEDERAL 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									2.3	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	2.1	.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								13.4	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								3.7	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 BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20541
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 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									2.7	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	1.1	.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							100.3	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 YORBA LINDA AFB STATION NAME 77-91 YEARS
 CLASS ALL WEATHER MONTH NOV
 CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	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							100.3	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						3.2	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 MONTHS (L & 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: 1977-2000 HOURS: 24
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								2.6	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 (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	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							13.3	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	1.1										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	1.0	.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	.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

JOINT CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

01-27 STATION FORPEJON A. SP 73-81 NOV
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	1.5	1.0	1.2	.4							5.8	5.6
NNE	2.5	1.9	1.5	.5								12.4	3.2
NE	3.4	2.1	1.0	.4								11.9	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	1.1	1.1	.2								3.1	6.4
WSW	.4	.2										.6	2.8
W	.4	.4	.7	.5								2.0	7.9
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												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: 600-2400
 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	5.7	1.2	.9	2.3	.1							1.9	0.1
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	2.0
E	2.1	1.1										3.1	2.3
ESE	.1											.1	2.0
SE	.1	.1	.1									.4	4.7
SSE	.4	.4										.6	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	4.0
NNW	.9	.4	.4	.1								1.7	4.8
VARBL			.4	.2								.6	10.0
CALM												41.6	
	34.2	12.5	5.9	5.7	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 81

U.S. AIR FORCE
 CLIMATE CENTER
 WASHINGTON, D.C. 20330

SURFACE WINDS

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

STATION: 73-1 STATION NAME: 73-1 YEARS: 1964-1973
 CLASS: ALL WEATHER MONTH: 4-12
 CONDITION: ALL WEATHER HOURS: 0-23

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	2.7	.6	.4									3.5	2.9
S	5.9	1.1	1.2	.4	.4							4.1	4.4
SSW	2.3	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	3.1	.7						10.1	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	.	.	.	.	.	.	.	1.5	4.1
SW	.4	2.7	2.3	.9	.2	.1	.	.	.	.	.	11.4	5.0
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	10.0
NNW	.4	.7	.6	1.1	.	.	.	.	.	.	.	1.2	9.6
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 YEAR: 77-81 MONTH: ALL
 CLASS: ALL WEATHER HOURS PER DAY: 24
 CONDITION: 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					1.0	7.0
NNE	.6	3.0	2.0	.2								5.3	1.0
NE	.7	1.8	2.1	.2								1.6	5.0
ENE	.7	.9	.5	.7								1.5	2.0
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	4.0
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	5.0
WSW	1.7	.8	.4	.1	.1							1.0	4.0
W	1.1	.7	1.4	.5	.2							4.4	5.0
WNW	.9	.1	.6	.6	.1							1.0	7.0
NW	1.4	.1	.6	.4								2.8	4.0
NNW	1.1	2.1	1.2	.4								1.8	4.0
VARBL		.1	.1	.1								.4	5.0
CALM												1.1	
TOTAL	2.3	11.7	12.3	6.5	1.4	.2	.1					10.7	4.0

TOTAL NUMBER OF OBSERVATIONS: 61

2

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 MONTHS LIST: 11-0-31
 CONDITION: ---

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	3.0	2.6	1.6	0.2							1.7	5.7
NNE	7.7	5.7	7.4	0.6	0.5							11.5	4.4
NE	0.1	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	0.4
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	0.0	0.1	0.3	0.1								2.3	5.5
WSW	0.0	1.0	0.6	0.4								2.0	7.3
W	0.0	0.6	0.1	0.4								1.4	6.9
WNW	0.0	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	0.1
CALM												3.4	
	7.3	21.4	7.4	5.4	0.6							10.7	1.0

TOTAL NUMBER OF OBSERVATIONS 829

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

SURFACE WINDS

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

STATION: EDDREJON A-CP YEARS: 77-81 MONTH: NOV
 STATION NAME: _____ CLASS: ALL WEATHER NORTH: _____
 CLASS: _____ ALL: _____
 HOURS - U.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	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	.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	5.5
W	1.1	.6	.6	.4	.1							2.7	5.7
WNW	.7	.7	.2	.5	.1							1.4	5.4
NW	.6	.3	.2	.2	.7							1.4	5.6
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 CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20540
 METEOROLOGICAL SERVICE ZNAM

SURFACE WINDS

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

STATION: 10CR-DUN AB 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	3.1	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	3.1	.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							2.3	2.9
E	1.6	.3	.2									2.0	4.0
ESE	.4	.5	.1									1.1	4.0
SE	.3											.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
 ALL WEATHER CLASS 610-501 HOUR(S) PER DAY
 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										2.0	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 TORPELUN AB SP STATION NAME: 73-81 YEARS: DEC
 CLASS: ALL WEATHER MONTH: 9-10-11
 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						1.9	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	9.0
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 AE SP STATION NAME TPPREDJON AE 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 1970-1971 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	5.6
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

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	%	MEAN WIND SPEED
N	3.1	1.4	1.4	1.3	.4	.	.	.	.	.	.	2.1	6.0
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	4.0
ENE	2.5	1.7	.9	.6	.1	.	.	.	.	.	.	2.9	5.7
E	1.7	.9	.2	.	.	.	.	.	.	.	.	2.9	7.8
ESE	.6	.4	.1	.	.	.	.	.	.	.	.	1.2	3.3
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	.8	.1	.	.	.	.	.	2.2	10.3
W	.7	.4	.7	1.0	.4	.	.	.	.	.	.	2.2	9.7
WNW	.4	.	.4	.4	.2	.	.	.	.	.	.	2.8	11.0
NW	.5	.	.1	.1	.7	.	.	.	.	.	.	1.7	3.5
NNW	.2	.1	.1	.2	.1	.	.	.	.	.	.	1.4	3.4
VARBL	.	.	.7	.2	.1	.	.	.	.	.	.	.5	11.3
CALM	.	.	.	.	.	.	.	.	.	.	.	23.9	
	24.3	16.4	14.2	12.0	3.1	.5	.1	.2	.	.	.	100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 6696

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

SURFACE WINDS

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

STATION: TRIPOLI AB STATION NAME: TRIPOLI AB YEARS: 77-81 ALL MONTH

ALL WEATHER CLASS: ALL ALL HOURS OF DAY

CONDITION: _____

SPEED KNOTS M.P.H.	3 - 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	.1	.1	.1	.4	7.1
NNE	1.1	1.3	1.5	1.6	.1	.1	.1	.1	.1	.1	.5	5.1
NE	1.7	2.4	1.6	.9	.1	.1	.1	.1	.1	.1	.5	5.5
ENE	1.6	2.2	1.7	.5	.1	.1	.1	.1	.1	.1	.2	5.5
E	1.1	1.3	.4	.1	.1	.1	.1	.1	.1	.1	.5	4.2
ESE	.7	.1	.1	.6	.1	.1	.1	.1	.1	.1	.5	3.5
SE	.1	.4	.8	.1	.1	.1	.1	.1	.1	.1	.3	4.6
SSE	.1	.2	.3	.2	.1	.1	.1	.1	.1	.1	.1	5.1
S	1.1	1.7	1.4	.7	.1	.1	.1	.1	.1	.1	.7	5.5
SSW	1.5	2.1	1.7	.7	.1	.1	.1	.1	.1	.1	.1	5.7
SW	1.2	1.3	1.9	1.1	.1	.1	.1	.1	.1	.1	.1	7.1
WSW	1.2	1.3	1.6	1.2	.1	.1	.1	.1	.1	.1	.7	7.8
W	1.1	1.2	1.1	.7	.1	.1	.1	.1	.1	.1	.2	7.1
WNW	.1	.1	.5	.4	.1	.1	.1	.1	.1	.1	.1	7.2
NW	.1	.1	.2	.2	.1	.1	.1	.1	.1	.1	.5	5.5
NNW	1.1	.1	.3	.7	.1	.1	.1	.1	.1	.1	.5	5.5
VARR	.1	.4	2.4	1.2	.1	.1	.1	.1	.1	.1	.3	4.4
CALM											22.6	
TOTAL	22.2	17.7	9.8	1.6	.3	.7	.7	.7	.7	.7	37.7	4.2

TOTAL NUMBER OF OBSERVATIONS: 7714

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

SURFACE WINDS

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

STATION: 77-91 STATION NAME: YEARS: ALL MONTHS

INSTRUMENT: CLASS:

CONDITION: CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE

CONDITION: ANY/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									1.0	2.7
NNE	2.4	.7	.1	.1								1.0	3.1
NE	1.7	.5		.2	.7							1.0	4.4
ENE	1.7	.5	.0	.1	.7							1.0	4.4
E	1.2	.6	.1									1.0	3.4
ESE	1.7	.7			.7							1.0	3.0
SE	.4	.1										.4	2.0
SSE	.7	.4	.2	.1								1.0	4.1
S	.1	2.7	1.7	.5	.1							5.0	3.0
SSW	2.4	5.7	8.5	2.7	.1	.0						11.0	7.1
SW	1.7	3.7	5.1	1.2	.2							11.0	5.7
WSW	2.0	1.2	2.6	2.3	.5							7.0	7.7
W	1.1	.4	.0	.6								2.0	5.6
WNW	.1	.7	.2	.7		.0						.0	3.2
NW	.4	.7	.1	.7								.0	4.0
NNW	.0	.7	.1	.7								1.0	2.0
VARBL			.4	.2	.0							.0	1.0
CALM												71.7	
	22.7	17.7	16.6	9.9	1.3	.1						100.0	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)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	≥ 0	
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

FEDERAL CLIMATOLOGY BRANCH
WFO
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

1950 THROUGH 1951

73-31

JAN

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	68.7	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
DATA CENTER

CEILING VERSUS VISIBILITY

1949, JAN. A. 1 SP

73-61

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1949-1950

46.5	47.1	49.1	51.1	53.1	55.6	58.7	62.7	67.8	73.9	80.0	87.1	94.2	101.3
41.0	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
41.2	51.7	54.5	55.7	55.7	56.4	56.5	56.5	56.7	56.7	56.7	56.8	56.8	56.8
41.2	51.4	54.5	55.7	55.7	56.4	56.5	56.5	56.7	56.7	56.7	56.8	56.8	56.8
41.4	52.1	54.7	55.9	55.9	56.7	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0
41.4	52.1	54.7	55.9	55.9	56.7	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0
41.6	52.3	54.4	55.1	55.1	56.3	56.9	56.9	57.0	57.1	57.1	57.2	57.2	57.2
43.2	56.3	59.5	61.8	63.8	64.1	64.7	64.9	65.0	65.0	65.0	65.1	65.1	65.1
43.3	58.5	62.1	63.4	63.4	64.1	64.7	64.9	65.0	65.0	65.0	65.1	65.1	65.1
43.6	58.9	62.4	63.8	63.8	64.6	65.2	65.4	65.5	65.5	65.5	65.6	65.6	65.6
43.6	58.9	62.4	63.8	63.8	64.6	65.2	65.4	65.5	65.5	65.5	65.6	65.6	65.6
43.8	59.1	62.5	63.9	63.9	64.7	65.4	65.7	65.6	65.6	65.6	65.7	65.7	65.7
43.1	59.2	63.0	64.5	64.5	65.4	66.0	66.1	66.2	66.3	66.3	66.5	66.5	66.5
43.9	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
44.1	65.4	69.8	71.4	71.4	72.3	72.9	73.2	73.3	73.4	73.4	73.6	73.6	73.6
44.1	67.1	72.2	73.8	73.8	74.8	75.4	76.1	76.1	76.3	76.3	76.4	76.4	76.4
44.3	71.1	75.2	76.9	76.9	78.1	78.7	79.1	79.4	79.5	79.5	79.7	79.7	79.7
44.8	72.5	75.8	77.6	77.6	78.7	79.4	80.2	80.3	80.3	80.4	80.4	80.4	80.4
44.1	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
44.1	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
44.1	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
44.7	74.9	82.1	84.7	84.9	86.4	87.4	88.1	88.2	88.3	88.5	88.5	88.7	88.7
43.2	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
43.3	75.6	82.1	86.0	86.4	88.1	89.1	90.1	90.5	90.7	90.8	91.1	91.4	91.4
43.4	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
43.4	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
43.4	75.9	84.5	87.4	87.8	89.2	91.7	92.5	94.0	94.4	94.5	94.9	95.2	95.2
43.4	75.9	84.5	87.4	87.8	90.2	91.9	93.7	94.9	95.3	95.6	96.7	96.3	96.6
43.4	75.9	84.5	87.4	87.8	90.2	92.0	93.5	95.2	95.7	96.1	96.3	97.2	97.3
43.4	75.9	84.5	87.4	87.8	90.2	92.0	93.5	95.2	95.7	96.1	96.5	97.4	97.6
43.4	75.9	84.5	87.4	87.8	90.2	92.0	93.5	95.2	95.7	96.2	96.6	97.6	97.7

TOTAL NUMBER OF OBSERVATIONS

817

U.S. AIR FORCE CLIMATOLOGY BRANCH
METAC
DATA CENTER

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

CLIMATE DATA CENTER
NOAA
WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION: KANAWHA FALLS

78-01

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1957-1967

40.1	40.3	45.3	40.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
41.1	41.3	46.3	41.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
42.1	42.3	47.3	42.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
43.1	43.3	48.3	43.3	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
44.1	44.3	49.3	44.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
45.1	45.3	50.3	45.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
46.1	46.3	51.3	46.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
47.1	47.3	52.3	47.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
48.1	48.3	53.3	48.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
49.1	49.3	54.3	49.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
50.1	50.3	55.3	50.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
51.1	51.3	56.3	51.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
52.1	52.3	57.3	52.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
53.1	53.3	58.3	53.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
54.1	54.3	59.3	54.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
55.1	55.3	60.3	55.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
56.1	56.3	61.3	56.3	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
57.1	57.3	62.3	57.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
58.1	58.3	63.3	58.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
59.1	59.3	64.3	59.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
60.1	60.3	65.3	60.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
61.1	61.3	66.3	61.3	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
62.1	62.3	67.3	62.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
63.1	63.3	68.3	63.3	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
64.1	64.3	69.3	64.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
65.1	65.3	70.3	65.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
66.1	66.3	71.3	66.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
67.1	67.3	72.3	67.3	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
68.1	68.3	73.3	68.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
69.1	69.3	74.3	69.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
70.1	70.3	75.3	70.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
71.1	71.3	76.3	71.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
72.1	72.3	77.3	72.3	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
73.1	73.3	78.3	73.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
74.1	74.3	79.3	74.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
75.1	75.3	80.3	75.3	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
76.1	76.3	81.3	76.3	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
77.1	77.3	82.3	77.3	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
78.1	78.3	83.3	78.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
79.1	79.3	84.3	79.3	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
80.1	80.3	85.3	80.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
81.1	81.3	86.3	81.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
82.1	82.3	87.3	82.3	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
83.1	83.3	88.3	83.3	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
84.1	84.3	89.3	84.3	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
85.1	85.3	90.3	85.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
86.1	86.3	91.3	86.3	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
87.1	87.3	92.3	87.3	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
88.1	88.3	93.3	88.3	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
89.1	89.3	94.3	89.3	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
90.1	90.3	95.3	90.3	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
91.1	91.3	96.3	91.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
92.1	92.3	97.3	92.3	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
93.1	93.3	98.3	93.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
94.1	94.3	99.3	94.3	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
95.1	95.3	100.3	95.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
96.1	96.3	100.3	96.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
97.1	97.3	100.3	97.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
98.1	98.3	100.3	98.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
99.1	99.3	100.3	99.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
100.1	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3

TOTAL NUMBER OF OBSERVATIONS 788



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

CEILING VERSUS VISIBILITY

1973
10-JUN-73

73-01

FE

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
85.5	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	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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

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

0100-1000

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
67.6	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	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
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
84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
85.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
86.7	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	98.6	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	99.1	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	98.8	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	98.9	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

WATERLOO METEOROLOGICAL BRANCH, WATERLOO, ONTARIO

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

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	56.7	56.7	56.7
53.5	54.1	55.3	55.3	55.4	55.5	55.6	55.9	55.9	56.7	56.7	56.7	56.7	56.7	56.7
53.6	54.2	55.4	55.4	55.5	55.6	55.9	55.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7
53.7	54.4	55.5	55.5	55.6	55.8	56.0	56.7	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	57.7	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	72.3	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	80.7	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	81.1	81.1	81.1
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	86.1	86.1	86.1
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	96.2	96.2	96.2
90.7	91.8	94.9	95.3	95.4	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.2	96.2	96.2
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

CEILING VERSUS VISIBILITY

WINDY HARBOR, ALASKA

1951

WINDY HARBOR, ALASKA

1951

1951

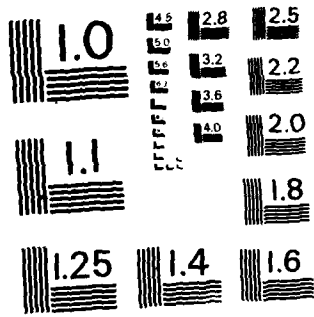
RELATIONSHIP BETWEEN CEILING AND VISIBILITY

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



WINDY HARBOR, ALASKA



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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR 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)															
	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
1000	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
800	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
600	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
200	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
100	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
50	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
25	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
15	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
10	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
5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
1.5	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
1.2	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
1.0	98.9	99.1	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
0.8	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
0.6	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
0.4	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
0.3	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
0.2	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
0.15	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
0.1	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
0.08	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
0.06	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
0.04	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
0.03	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
0.02	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
0.01	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. TOPREJON 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
1000K	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
1000K	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
1000K	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
1000K	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
1000K	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
1000K	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
1000K	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
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
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
50	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

0300-0500

VISIBILITY (STAT. MILES)	CEILING (STAT. FEET)													
	26	24	22	20	18	16	14	12	10	8	6	4	2	0
1000	75.6	75.8	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	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	83.5	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	83.5	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	83.5	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	83.7	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	84.8	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	85.9	85.9	85.9
200	91.1	91.5	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	93.5	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	94.2	94.2	94.2
20	93.5	93.8	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	94.9	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	96.9	96.9	96.9
2	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8
1	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
0	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
0	99.0	99.5	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	99.1	99.5	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	99.1	99.5	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	99.1	99.6	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	99.1	99.6	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	99.1	99.6	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	99.1	99.6	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	99.1	99.6	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	99.1	99.6	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	99.1	99.6	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	99.1	99.6	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	99.1	99.6	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
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	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
900	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
800	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
700	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
600	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
500	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
400	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
300	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
200	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
100	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
0	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
1000	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
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

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	91.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	100.0
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	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	100.0

TOTAL NUMBER OF OBSERVATIONS 632

WORLD CLIMATOLOGY BRANCH
METAC
METEOROLOGICAL SERVICE

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
79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	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
91.2	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

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	57.1	57.1	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	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
63.5	69.4	69.9	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
63.5	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	70.6
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
81.6	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
81.3	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	87.1	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	93.8	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
METEOROLOGICAL SERVICE

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
77.3	77.7	78.5	78.6	78.8	79.1	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.6
79.8	79.7	78.5	78.6	78.8	79.1	79.3	79.7	79.4	79.4	79.5	79.5	79.5	79.5	79.6
79.8	79.2	78.5	78.6	78.8	79.1	79.3	79.7	79.4	79.4	79.5	79.5	79.5	79.5	79.6
79.3	79.7	78.5	78.5	78.8	79.1	79.3	79.7	79.4	79.4	79.5	79.5	79.5	79.5	79.6
79.2	79.5	78.9	79.7	79.1	79.6	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9
79.3	79.1	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	84.6	85.2	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7
85.1	85.7	87.3	87.9	88.3	88.4	88.5	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9
84.4	86.3	87.4	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
84.9	86.5	87.9	87.8	88.9	89.2	89.4	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8
84.9	84.5	87.9	88.8	88.9	89.7	89.4	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8
84.7	86.5	87.9	88.8	88.9	89.7	89.4	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8
85.7	87.1	88.3	88.6	88.8	89.4	89.5	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8
87.2	91.4	91.2	91.1	91.2	91.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
91.2	91.4	91.2	91.1	91.2	91.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
91.6	91.2	93.6	94.4	94.6	94.9	95.2	95.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4
97.6	97.7	97.6	97.4	97.5	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
91.2	93.3	94.6	95.4	95.6	95.9	96.2	96.3	96.7	96.4	96.4	96.4	96.4	96.4	96.4
91.3	93.3	94.9	95.8	95.9	96.3	96.5	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.4
91.3	93.3	94.9	95.8	95.9	96.3	96.5	96.7	97.1	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	97.4	97.4	97.4	97.4	97.4
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	96.3	96.4	96.4	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	98.3	98.1	98.6	98.9	99.1	99.3	99.1	99.1	99.3
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.3	99.3	99.1	99.1	99.4
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.3	99.3	99.1	99.1	99.4
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.3	99.3	99.1	99.1	99.4
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.3	99.3	99.1	99.1	99.4
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.3	99.3	99.1	99.1	99.4
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.3	99.3	99.1	99.1	99.4
91.6	93.3	96.3	97.2	97.3	97.8	98.0	98.1	98.6	98.9	99.3	99.3	99.1	99.1	99.4

TOTAL NUMBER OF OBSERVATIONS 670

TABLE 1. PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

CEILING VERSUS VISIBILITY

2

07 TAPLEON AB SP

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	100.0

TOTAL NUMBER OF OBSERVATIONS 637

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	53.7	55.2	55.8	55.9	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	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	56.3	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	56.3	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	67.1	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	70.7	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
68.6	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	93.7	93.8	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	94.3	94.4	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	95.3	95.5	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	96.3	96.4	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	97.5	97.6	97.6	97.7
87.3	88.3	92.5	94.0	94.1	95.2	96.3	96.7	97.4	97.5	97.6	97.7	98.0	98.1	98.2
87.0	88.3	92.5	94.0	94.1	95.2	96.3	96.7	97.4	97.5	97.6	98.0	98.3	98.4	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	94.5	94.5	94.5
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
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
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
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
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
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

TOTAL NUMBER OF OBSERVATIONS 836

NATIONAL CLIMATOLOGY BRANCH
WASH DC
AIR WEATHER SERVICE 7440

CEILING VERSUS VISIBILITY

TERRACON, ALAB

73-81

265

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11 0-1400

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	53.6	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	61.9	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

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	69.1	69.1	69.1	69.1
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

TOTAL NUMBER OF OBSERVATIONS 835

WALLINGFORD METEOROLOGICAL STATION
WALLINGFORD, CONNECTICUT

CEILING VERSUS VISIBILITY

WALLINGFORD, CONNECTICUT

75-51

957

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1957-1958

51.3	51.3	51.4	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	51.5
55.7	55.7	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
55.7	55.7	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
55.3	55.4	57.3	57.3	57.3	57.3	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
55.3	55.4	57.3	57.3	57.3	57.3	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
55.1	55.1	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
57.3	57.2	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
58.9	59.1	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
61.4	63.6	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
67.5	68.5	70.1	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
67.2	69.1	70.7	70.8	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
68.5	69.3	71.2	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
68.3	69.7	71.4	71.6	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
70.1	71.0	72.6	72.9	72.9	73.0	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
71.6	72.4	74.2	74.3	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
74.7	80.3	82.9	83.0	83.0	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
83.3	84.7	87.3	87.6	87.6	87.8	87.8	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
86.4	87.7	90.4	90.8	90.8	91.5	91.5	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
88.7	88.1	91.3	91.4	91.4	92.2	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
92.6	93.1	93.1	93.4	93.4	94.3	94.3	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
89.2	93.8	93.9	94.3	94.3	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
89.2	93.8	94.4	94.7	94.7	95.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
85.5	91.1	94.7	95.1	95.1	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
89.5	91.3	95.1	95.7	95.7	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
89.5	91.3	95.3	95.9	95.9	97.1	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
87.8	91.4	95.7	96.3	96.3	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
89.8	91.4	95.9	96.5	96.5	97.7	97.7	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
89.3	91.4	96.2	96.8	96.8	98.0	98.0	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
89.3	91.4	96.2	96.8	96.8	98.0	98.0	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
89.3	91.4	96.2	96.8	96.8	98.0	98.0	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
87.3	91.4	96.2	96.8	96.8	98.0	98.0	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
87.3	91.4	96.2	96.8	96.8	98.0	98.0	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 837

CEILING VERSUS VISIBILITY

70.0	70.7	71.4	72.1	72.8	73.5	74.2	74.9	75.6	76.3	77.0	77.7	78.4	79.1	79.8	80.5	81.2	81.9	82.6	83.3	84.0	84.7	85.4	86.1	86.8	87.5	88.2	88.9	89.6	90.3	91.0	91.7	92.4	93.1	93.8	94.5	95.2	95.9	96.6	97.3	98.0	98.7	99.4	100.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
70.5	71.2	71.9	72.6	73.3	74.0	74.7	75.4	76.1	76.8	77.5	78.2	78.9	79.6	80.3	81.0	81.7	82.4	83.1	83.8	84.5	85.2	85.9	86.6	87.3	88.0	88.7	89.4	90.1	90.8	91.5	92.2	92.9	93.6	94.3	95.0	95.7	96.4	97.1	97.8	98.5	99.2	99.9	100.6	101.3	102.0	102.7	103.4	104.1	104.8	105.5	106.2	106.9	107.6	108.3	109.0	109.7	110.4	111.1	111.8	112.5	113.2	113.9	114.6	115.3	116.0	116.7	117.4	118.1	118.8	119.5	120.2	120.9	121.6	122.3	123.0	123.7	124.4	125.1	125.8	126.5	127.2	127.9	128.6	129.3	130.0	130.7	131.4	132.1	132.8	133.5	134.2	134.9	135.6	136.3	137.0	137.7	138.4	139.1	139.8	140.5	141.2	141.9	142.6	143.3	144.0	144.7	145.4	146.1	146.8	147.5	148.2	148.9	149.6	150.3	151.0	151.7	152.4	153.1	153.8	154.5	155.2	155.9	156.6	157.3	158.0	158.7	159.4	160.1	160.8	161.5	162.2	162.9	163.6	164.3	165.0	165.7	166.4	167.1	167.8	168.5	169.2	169.9	170.6	171.3	172.0	172.7	173.4	174.1	174.8	175.5	176.2	176.9	177.6	178.3	179.0	179.7	180.4	181.1	181.8	182.5	183.2	183.9	184.6	185.3	186.0	186.7	187.4	188.1	188.8	189.5	190.2	190.9	191.6	192.3	193.0	193.7	194.4	195.1	195.8	196.5	197.2	197.9	198.6	199.3	200.0	200.7	201.4	202.1	202.8	203.5	204.2	204.9	205.6	206.3	207.0	207.7	208.4	209.1	209.8	210.5	211.2	211.9	212.6	213.3	214.0	214.7	215.4	216.1	216.8	217.5	218.2	218.9	219.6	220.3	221.0	221.7	222.4	223.1	223.8	224.5	225.2	225.9	226.6	227.3	228.0	228.7	229.4	230.1	230.8	231.5	232.2	232.9	233.6	234.3	235.0	235.7	236.4	237.1	237.8	238.5	239.2	239.9	240.6	241.3	242.0	242.7	243.4	244.1	244.8	245.5	246.2	246.9	247.6	248.3	249.0	249.7	250.4	251.1	251.8	252.5	253.2	253.9	254.6	255.3	256.0	256.7	257.4	258.1	258.8	259.5	260.2	260.9	261.6	262.3	263.0	263.7	264.4	265.1	265.8	266.5	267.2	267.9	268.6	269.3	270.0	270.7	271.4	272.1	272.8	273.5	274.2	274.9	275.6	276.3	277.0	277.7	278.4	279.1	279.8	280.5	281.2	281.9	282.6	283.3	284.0	284.7	285.4	286.1	286.8	287.5	288.2	288.9	289.6	290.3	291.0	291.7	292.4	293.1	293.8	294.5	295.2	295.9	296.6	297.3	298.0	298.7	299.4	300.1	300.8	301.5	302.2	302.9	303.6	304.3	305.0	305.7	306.4	307.1	307.8	308.5	309.2	309.9	310.6	311.3	312.0	312.7	313.4	314.1	314.8	315.5	316.2	316.9	317.6	318.3	319.0	319.7	320.4	321.1	321.8	322.5	323.2	323.9	324.6	325.3	326.0	326.7	327.4	328.1	328.8	329.5	330.2	330.9	331.6	332.3	333.0	333.7	334.4	335.1	335.8	336.5	337.2	337.9	338.6	339.3	340.0	340.7	341.4	342.1	342.8	343.5	344.2	344.9	345.6	346.3	347.0	347.7	348.4	349.1	349.8	350.5	351.2	351.9	352.6	353.3	354.0	354.7	355.4	356.1	356.8	357.5	358.2	358.9	359.6	360.3	361.0	361.7	362.4	363.1	363.8	364.5	365.2	365.9	366.6	367.3	368.0	368.7	369.4	370.1	370.8	371.5	372.2	372.9	373.6	374.3	375.0	375.7	376.4	377.1	377.8	378.5	379.2	379.9	380.6	381.3	382.0	382.7	383.4	384.1	384.8	385.5	386.2	386.9	387.6	388.3	389.0	389.7	390.4	391.1	391.8	392.5	393.2	393.9	394.6	395.3	396.0	396.7	397.4	398.1	398.8	399.5	400.2	400.9	401.6	402.3	403.0	403.7	404.4	405.1	405.8	406.5	407.2	407.9	408.6	409.3	410.0	410.7	411.4	412.1	412.8	413.5	414.2	414.9	415.6	416.3	417.0	417.7	418.4	419.1	419.8	420.5	421.2	421.9	422.6	423.3	424.0	424.7	425.4	426.1	426.8	427.5	428.2	428.9	429.6	430.3	431.0	431.7	432.4	433.1	433.8	434.5	435.2	435.9	436.6	437.3	438.0	438.7	439.4	440.1	440.8	441.5	442.2	442.9	443.6	444.3	445.0	445.7	446.4	447.1	447.8	448.5	449.2	449.9	450.6	451.3	452.0	452.7	453.4	454.1	454.8	455.5	456.2	456.9	457.6	458.3	459.0	459.7	460.4	461.1	461.8	462.5	463.2	463.9	464.6	465.3	466.0	466.7	467.4	468.1	468.8	469.5	470.2	470.9	471.6	472.3	473.0	473.7	474.4	475.1	475.8	476.5	477.2	477.9	478.6	479.3	480.0	480.7	481.4	482.1	482.8	483.5	484.2	484.9	485.6	486.3	487.0	487.7	488.4	489.1	489.8	490.5	491.2	491.9	492.6	493.3	494.0	494.7	495.4	496.1	496.8	497.5	498.2	498.9	499.6	500.3	501.0	501.7	502.4	503.1	503.8	504.5	505.2	505.9	506.6	507.3	508.0	508.7	509.4	510.1	510.8	511.5	512.2	512.9	513.6	514.3	515.0	515.7	516.4	517.1	517.8	518.5	519.2	519.9	520.6	521.3	522.0	522.7	523.4	524.1	524.8	525.5	526.2	526.9	527.6	528.3	529.0	529.7	530.4	531.1	531.8	532.5	533.2	533.9	534.6	535.3	536.0	536.7	537.4	538.1	538.8	539.5	540.2	540.9	541.6	542.3	543.0	543.7	544.4	545.1	545.8	546.5	547.2	547.9	548.6	549.3	550.0	550.7	551.4	552.1	552.8	553.5	554.2	554.9	555.6	556.3	557.0	557.7	558.4	559.1	559.8	560.5	561.2	561.9	562.6	563.3	564.0	564.7	565.4	566.1	566.8	567.5	568.2	568.9	569.6	570.3	571.0	571.7	572.4	573.1	573.8	574.5	575.2	575.9	576.6	577.3	578.0	578.7	579.4	580.1	580.8	581.5	582.2	582.9	583.6	584.3	585.0	585.7	586.4	587.1	587.8	588.5	589.2	589.9	590.6	591.3	592.0	592.7	593.4	594.1	594.8	595.5	596.2	596.9	597.6	598.3	599.0	599.7	600.4	601.1	601.8	602.5	603.2	603.9	604.6	605.3	606.0	606.7	607.4	608.1	608.8	609.5	610.2	610.9	611.6	612.3	613.0	613.7	614.4	615.1	615.8	616.5	617.2	617.9	618.6	619.3	620.0	620.7	621.4	622.1	622.8	623.5	624.2	624.9	625.6	626.3	627.0	627.7	628.4	629.1	629.8	630.5	631.2	631.9	632.6	633.3	634.0	634.7	635.4	636.1	636.8	637.5	638.2	638.9	639.6	640.3	641.0	641.7	642.4	643.1	643.8	644.5	645.2	645.9	646.6	647.3	648.0	648.7	649.4	650.1	650.8	651.5	652.2	652.9	653.6	654.3	655.0	655.7	656.4	657.1	657.8	658.5	659.2	659.9	660.6	661.3	662.0	662.7	663.4	664.1	664.8	665.5	666.2	666.9	667.6	668.3	669.0	669.7	670.4	671.1	671.8	672.5	673.2	673.9	674.6	675.3	676.0	676.7	677.4	678.1	678.8	679.5	680.2	680.9	681.6	682.3	683.0	683.7	684.4	685.1	685.8	686.5	687.2	687.9	688.6	689.3	690.0	690.7	691.4	692.1	692.8	693.5	694.2	694.9	695.6	696.3	697.0	697.7	698.4	699.1	699.8	700.5	701.2	701.9	702.6	703.3	704.0	704.7	705.4	706.1	706.8	707.5	708.2	708.9	709.6	710.3	711.0	711.7	712.4	713.1	713.8	714.5	715.2	715.9	716.6	717.3	718.0	718.7	719.4	720.1	720.8	721.5	722.2	722.9	723.6	724.3	725.0	725.7	726.4	727.1	727.8	728.5	729.2	729.9	730.6	731.3	732.0	732.7	733.4	734.1	734.8	735.5	736.2	736.9	737.6	738.3	739.0	739.7	740.4	741.1	741.8	742.5	743.2	743.9	744.6	745.3	746.0	746.7	747.4	748.1	748.8	749.5	750.2	750.9	751.6	752.3	753.0	753.7	754.4	755.1	755.8	756.5	757.2	757.9	758.6	759.3	760.0	760.7	761.4	762.1	762.8	763.5	764.2	764.9	765.6	766.3	767.0	767.7	768.4	769.1	769.8	770.5	771.2	771.9	772.6	773.3	774.0	774.7	775.4	776.1	776.8	777.5	778.2	778.9	779.6	780.3	781.0	781.7	782.4	783.1	783.8	784.5	785.2	785.9	786.6	787.3	788.0	788.7	789.4	790.1	790.8	791.5	792.2	792.9	793.6	794.3	795.0	795.7	796.4	797.1	797.8	798.5	799.2	799.9	800.6	801.3	802.0	802.7	803.4	804.1	804.8	805.5	806.2	806.9	807.6	808.3	809.0	809.7	810.4	811.1	811.8	812.5	813.2	813.9	814.6	815.3	816.0	816.7	817.4	818.1	818.8	819.5	820.2	820.9	821.6	822.3	823.0	823.7	824.4	825.1	825.8	826.5	827.2	827.9	828.6	829.3	830.0	830.7	831.4	832.1	832.8	833.5	834.2	834.9	835.6	836.3	837.0	837.7	838.4	839.1	839.8	840.5	841.2	841.9	842.6	843.3	844.0	844.7	845.4	846.1	846.8	847.5	848.2	848.9	849.6	850.3	851.0	851.7	852.4	853.1	853.8	854.5	855.2	855.9	856.6	857.3	858.0	858.7	859.4	860.1	860.8	861.5	862.2	862.9	863.6	864.3	865.0	865.7	866.4	867.1	867.8	868.5	869.2	869.9	870.6	871.3	872.0	872.7	873.4	874.1	874.8	875.5	876.2	876.9	877.6	878.3	879.0	879.7	880.4	881.1	881.8	882.5	883.2	883.9	884.6	885.3	886.0	886.7	887.4	888.1	888.8	889.5	890.2	890.9	891.6	892.3	893.0	893.7	894.4	895.1	895.8	896.5	897.2	897.9	898.6	899.3	900.0	900.7	901.4	902.1	902.8	90

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

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

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

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means (\bar{X}), and standard deviations (σX). 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.

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
10							0.1	0.1					
20						0.1	0.4	1.2					
30					0.2	2.5	17.8	11.3	1.7				
40					1.2	15.5	54.2	49.6	17.1				
50				0.1	10.7	47.8	81.9	81.9	57.0	1.0			
60	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	88.0	89.8	74.2	43.0	17.7	4.5	30.0
80	12.0	24.8	26.2	30.0	56.6	78.9	91.0	95.5	84.5	64.5	25.4	5.0	40.0
90	18.0	32.3	39.7	37.0	68.5	87.0	95.0	95.0	90.3	78.9	47.0	10.0	50.0
100	21.0	37.3	46.7	32.9	79.5	91.0	95.0	95.0	97.7	86.8	55.0	15.0	60.0
110	26.0	42.2	49.9	27.8	89.9	95.0	95.0	95.0	99.5	88.4	71.0	20.0	70.0
120	28.5	42.2	47.0	19.5	95.0	95.0	95.0	95.0	99.9	87.5	88.0	25.0	80.0
130	30.0	30.5	39.5	177.0							17.0	28.0	90.0
140	29.7	29.7	110.0									60.0	95.0
150		29.9										70.0	97.0
160												70.0	97.0
170												70.0	97.0
180												70.0	97.0
190												70.0	97.0
200												70.0	97.0
210												70.0	97.0
220												70.0	97.0
230												70.0	97.0
240												70.0	97.0
250												70.0	97.0
260												70.0	97.0
270												70.0	97.0
280												70.0	97.0
290												70.0	97.0
300												70.0	97.0
310												70.0	97.0
320												70.0	97.0
330												70.0	97.0
340												70.0	97.0
350												70.0	97.0
360												70.0	97.0
370												70.0	97.0
380												70.0	97.0
390												70.0	97.0
400												70.0	97.0
410												70.0	97.0
420												70.0	97.0
430												70.0	97.0
440												70.0	97.0
450												70.0	97.0
460												70.0	97.0
470												70.0	97.0
480												70.0	97.0
490												70.0	97.0
500												70.0	97.0
510												70.0	97.0
520												70.0	97.0
530												70.0	97.0
540												70.0	97.0
550												70.0	97.0
560												70.0	97.0
570												70.0	97.0
580												70.0	97.0
590												70.0	97.0
600												70.0	97.0
610												70.0	97.0
620												70.0	97.0
630												70.0	97.0
640												70.0	97.0
650												70.0	97.0
660												70.0	97.0
670												70.0	97.0
680												70.0	97.0
690												70.0	97.0
700												70.0	97.0
710												70.0	97.0
720												70.0	97.0
730												70.0	97.0
740												70.0	97.0
750												70.0	97.0
760												70.0	97.0
770												70.0	97.0
780												70.0	97.0
790												70.0	97.0
800												70.0	97.0
810												70.0	97.0
820												70.0	97.0
830												70.0	97.0
840												70.0	97.0
850												70.0	97.0
860												70.0	97.0
870												70.0	97.0
880												70.0	97.0
890												70.0	97.0
900												70.0	97.0
910												70.0	97.0
920												70.0	97.0
930												70.0	97.0
940												70.0	97.0
950												70.0	97.0
960												70.0	97.0
970												70.0	97.0
980												70.0	97.0
990												70.0	97.0
1000												70.0	97.0

USAFTAC 77 2.5 OF 1. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1000 HAWAIIAN ISLANDS
 HONOLULU
 HONOLULU
 HONOLULU
 STATION NAME

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP °F	IAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10								.1					
11								.8					
12								11.2					
13								48.4					
14								80.4					
15								96.9					
16								100.0					
17													
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100													
MEAN		44.2	48.7	52.2	59.1	67.2	74.6	72.7	67.1	57.3	47.3	42.7	54.4
NO		11	36	64	118	163	184	172	137	82	43	23	100
TOTAL OBS		577	747	777	744	714	744	744	722	704	654	577	744

ALBUQUERQUE, N.M.
 METEOROLOGICAL
 SERVICE

EXTREME VALUES
 MAXIMUM 1-MIN. VALUES

77 TERRAJUN 3 JP
 STATION STATION NAME

57-51

YEARS

FROM DAILY OBSERVATIONS

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	63	75	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	63	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	96	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	1.37	4.70	3.24	3.84	4.27	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)

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

PSYCHROMETRIC SUMMARY

STATION 27 TORREJON AL SP STATION NAME

73-61

YEARS

0-0

PAGE 1 25007800

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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 / 5			.5	.1																																		
1 / 5			.3	.2	.1	.1																																
1 / 51		.1	1.5	.5																																		
1 / 47		.1	.1		.5																																	

U.S. AIR FORCE METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: TONKAWOOD AB CP STATION NAME

1961

YEARS

1961

PAGE 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			
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100																																						
TOTAL																																						

Element	X̄	Σx	k	%	No. Obs	Mean No. of Hours with Temperature					Total	
						< 0 F	0-32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Rel. Hum.	104.0	104.0	104.0	8.714	120							
Dr. Bulb	113.7	113.7	113.7	7.205	156							73
Wet Bulb	113.2	113.2	113.2	7.112	156							73
Dew Point	75.2	75.2	75.2	4.167	180							73

USAFETAC Form 0 26 5 (U) (A) METEOROLOGICAL SERVICE (FORM 10-60)

LOCAL METEOROLOGICAL BRANCH
 1. TOTAL
 2. WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: APRIL 1945 - SEP 1945
 STATION NAME: STATION NAME

75-51

YEARS

PERIOD: 1945-1945
 HOURS: 762

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

Element (X)	$\Sigma X'$	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5,571.2	5130.2	80.512	101	762	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	1254.22	3557.6	47.1	6.985	762		13.4					64
Wet Bulb	1121.43	2875.3	37.7	6.934	762		20.2					64
Dew Point	5539.2	262.2	34.4	8.345	762		35.2					64

USAFETAC FORM 0-26.5 (O.L.A.) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

PSYCHROMETRIC SUMMARY

STATION: ILLINOIS AIRPORT STATION NAME: ILLINOIS AIRPORT

73-51

YEARS

PERIOD

PERIOD: 1951-1952

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
30			.7																																			
31			.7	.1																																		
32		.5	1.5	.7																																		
33		.5	2.2	.4																																		
34		.4	2.2	.3																																		
35		.7	3.5	1.8																																		
36		.6	3.3	1.7	.2																																	
37		.9	4.9	1.7	.9																																	
38		.7	4.6	3.0	.1																																	
39		.1	4.2	1.6	.5																																	
40		.7	4.2	1.1	.3																																	
41		.1	4.1	2.1	.1																																	
42			3.3	.7																																		
43		.1	7.3	1.7																																		
44		.2	4.3	1.5																																		
45		.1	2.1	.1																																		
46		.1	2.4																																			
47		1.1	2.5	.1																																		
48		.1	.3																																			
49		.7																																				
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FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 WEATHER SERVICE/FAO

PSYCHROMETRIC SUMMARY

STATION: TORREON, AUSTRIA STATION NAME

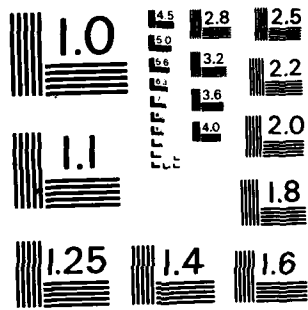
72-51

YEARS

1958

FAO FORM 56-11-58

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Total	Hours	
/ 31		.1				.1																																
/ 32		.7			.1																																	
/ 33	.1	1.5		.5		.4		.1																														
/ 34	.2	2.1		.8		.2		.2				.1																										
/ 35	.4	2.8		.9		.7		.1			.3																											
/ 36	.4	2.1		1.7		.9		.7		.1																												
/ 37	1.7	7.6		3.3		2.2																																
/ 38	1.7	3.4		3.1		2.1		.5																														
/ 39	.7	4.5		3.3		3.1		.7																														
/ 40	.7	5.4		3.7		1.3		.1																														
/ 41	.7	3.3		3.7		1.2		.1																														
/ 42	.7	2.4		2.4		.7																																
/ 43	.4	3.4		1.7		.4																																
/ 44		2.4		.9		.1																																
/ 45		1.5		.4																																		
/ 46	.7	1.5		.7																																		
/ 47	.7	.5		.7																																		
/ 48	.1	.7		.1																																		
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAD

PSYCHROMETRIC SUMMARY

STATION 27 TORREJON AB SP STATION NAME 73-01 YEARS FEB 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				
57	55										.1	.3	.3																						5	5					
47	52						.1	.1	1.3	1.2	.4	.9	.5																						34	34					
47	51						.3	.5	.4	.4	.4																								15	15					
47	50			.1	.8	.1	1.3	1.7	1.8	.8	.1																								52	52					
47	50			.9	.8	2.4	2.2	2.0	2.5	.4	.1																								86	86	2				
57	55			.5	.4	2.5	3.2	3.8	2.4	1.3	.3																							108	108	20	1				
47	53			.8	.9	2.8	2.2	2.8	2.4	.1																								91	91	29	14				
47	52			.9	2.2	2.2	3.3	2.2	1.3																									93	93	48	13				
47	49			.9	1.6	1.4	1.6	2.1	.3																									60	60	76	3				
47	47		.4	2.4	1.6	2.9	1.2	2.4	.5																									85	85	122	22				
47	45		.1	2.4	2.1	.9	2.5	1.8	.4																									78	78	127	64				
47	42			.9	1.2	.5	1.2	.4																										32	32	119	62				
47	41			.3	.1	.3	.7																											10	10	34	77				
47	37			.3			.5																											8	8	56	61				
37	37			.1																														1	1	43	75				
47	35			.4		.4																												6	6	19	61				
37	33																																			5	5	15	45		
47	31																																					6	29		
47	29																																				3	54			
47	27																																					61			
47	25																																					37			
47	23																																					22			
47	21																																					15			
47	19																																					13			
47	17																																					5			
47	15																																					2			
TOTAL					.517	.911	.516	.819	.821	.113	.3	3.7	1.7	.7																								762	762	762	

USAFETAC FORM 0-26-5 (O.L.A.) REVISED WITHOUT NOTICE OF THIS FORM ARE OBSOLETE

Element (X)	Zx'	Zx	X	°	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	2744221	43727	57.4	17.572	762							
Dry Bulb	2115008	39918	52.4	5.603	762							34
Wet Bulb	1562435	34297	45.7	4.964	762		1.0					84
Dew Point	1071442	27884	36.6	8.193	762		26.3					84

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

27 TORREJON AB SP 73-81 FEB 1870-2000
 STATION STATION NAME YEARS MONTH HOURS S. Y.

PAGE 1 1870-2000 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		
47/53							.1		.7						.1	.1																		5	9			
50/54							.1	.8		.1					.3	.1																		11	11			
53/55							.3	.8	.4																									11	11			
56/57			.3	.5	.7	1.2	.9	.5	.3																									36	36			
59/58		1.6	.7	1.2	1.8	.9	.8	.3																										55	55	7	2	
62/55		1.1	2.1	3.4	1.6	1.8	.8	.1	.1																									86	86	22	9	
65/51		1.1	3.3	2.4	2.1	.8	.5																											77	77	32	14	
68/49		1.2	1.8	1.0	1.7	.5	.3																											49	49	54	9	
71/47		1.8	3.5	3.3	1.7	1.0	.3																											89	89	92	18	
74/46	.9	4.6	6.4	3.5	3.5	.9	.3																											154	154	175	72	
77/43		2.6	2.9	2.8	1.3	.7																												76	75	177	62	
80/41		.9	1.8	2.0	.9		.1																											43	43	122	68	
83/39		.7	1.3	1.3	.4																													28	29	51	69	
86/37	.1		.8	.9	.3																													16	15	69	73	
89/35		.1	.5	.8																														11	11	32	69	
92/33	.4		.5																															7	7	32	42	
95/31		.1	.1																															2	2	12	31	
98/29		.3	.1																															3	3	14	54	
101/27																																					2	57
104/25																																					1	40
107/23																																						18
110/21																																						12
113/19																																						12
116/17																																						7
119/15																																						2
122/13																																						2
TOTAL		1.4	1.6	7.2	6.5	2.3	2.1	6.9	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)	Σx^2	Σx	\bar{x}	σ_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 12.5.77

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	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 _g '	Z _x	X	" _n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
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) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 277 IQRREJON AB SP STATION NAME 73-61 YEARS MAR MONTH
 PAGE 1 1990-02-02 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 / 59																																			3	3			
67 / 57					.4	.1																													6	6			
57 / 55				.1	.5	.6																													12	12	1		
47 / 53			.2	.4	1.2	1.7																													35	35	8	3	
37 / 51		.5	1.1	2.4	1.1																														46	46	17	7	
27 / 49	.2	1.8	2.9	1.6																															59	59	36	15	
17 / 47	.2	4.8	4.8	1.6																															104	104	56	21	
7 / 45	.4	6.3	4.5	1.6																															115	115	89	71	
47 / 43	.8	5.6	3.3	1.6																															100	100	112	68	
27 / 41	.5	5.5	2.4	1.9																															88	88	113	65	
17 / 39	1.0	5.5	1.9	1.9																															89	89	96	129	
7 / 37	.7	2.6	2.9	1.3																															61	61	84	112	
27 / 35	.2	2.4	3.0	.8																															55	55	59	65	
34 / 33	.1	1.1	2.2	.1																															29	29	54	54	
27 / 31		.6	1.4																																17	17	39	45	
27 / 29		1.4	.4																																15	15	38	47	
27 / 27	.1		.2																																3	3	13	55	
27 / 25																																						4	42
27 / 23																																						29	
27 / 21																																						19	
27 / 19																																						1	
27 / 17																																						2	
17 / 15																																					1		
17 / 13																																					1		
TOTAL	5.139	234.115	4	4.4	1.4	.4																													837	837	837		

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	51261.7	64415	77.0	13.347	837	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	16379.7	36329	43.4	6.398	837		3.9					93
Wet Bulb	13865.3	33713	40.3	5.874	837		10.4					93
Dew Point	11487.46	30386	36.3	7.388	837		27.4					93

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

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 _x	No. Obs.	Mean No. of Hours with Temperature					Total																														
Rel. Hum.	4662741	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

USAF CLIMATOLOGY BRANCH
 WAFETAC
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 14RRLJUN 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															5	5		
7 / 70																		.1	.1	.1	.1	.1	.1											17	17			
7 / 72																		.1	.1	.1	.1	.1	.1											29	29			
7 / 69																		.1	.1	.1	.1	.1	.1											51	51			
7 / 67																		.1	.1	.1	.1	.1	.1											38	38			
7 / 65																		.1	.1	.1	.1	.1	.1											72	72			
4 / 60																		.3	.3	.3	.3	.3	.3											194	194			
7 / 61																		.3	.3	.3	.3	.3	.3											164	164	4		
7 / 59																		.2	.2	.2	.2	.2	.2											232	232	22		
7 / 57																		.1	.1	.1	.1	.1	.1											328	328	75		
5 / 55																		.1	.1	.1	.1	.1	.1											372	372	126		
7 / 53																		.1	.1	.1	.1	.1	.1											460	460	230	27	
7 / 51																		.3	.3	.3	.3	.3	.3											478	478	370	124	
7 / 49																		.1	.1	.1	.1	.1	.1											355	355	475	96	
7 / 47																		.1	.1	.1	.1	.1	.1											550	550	618	235	
7 / 45																		.3	.3	.3	.3	.3	.3											604	604	779	698	
4 / 43																		.3	.3	.3	.3	.3	.3											544	544	631	565	
7 / 41																		.3	.3	.3	.3	.3	.3											478	478	749	549	
7 / 39																		.3	.3	.3	.3	.3	.3											418	418	624	716	
7 / 37																		.1	.1	.1	.1	.1	.1											311	311	556	631	
7 / 35																		.1	.1	.1	.1	.1	.1											268	268	399	551	
3 / 33																		.1	.1	.1	.1	.1	.1											155	155	376	479	
7 / 31																		.1	.1	.1	.1	.1	.1											92	92	247	252	
7 / 29																		.1	.1	.1	.1	.1	.1											105	105	163	470	
7 / 27																		.1	.1	.1	.1	.1	.1											59	59	100	402	
7 / 25																		.1	.1	.1	.1	.1	.1											26	26	56	313	
7 / 23																		.1	.1	.1	.1	.1	.1											14	14	16	319	
2 / 21																		.1	.1	.1	.1	.1	.1											5	5	5	111	
7 / 19																		.1	.1	.1	.1	.1	.1											1	1	1	52	
7 / 17																		.1	.1	.1	.1	.1	.1													1	1	29
7 / 15																		.1	.1	.1	.1	.1	.1														7	
7 / 13																		.1	.1	.1	.1	.1	.1														11	
7 / 11																		.1	.1	.1	.1	.1	.1														7	

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

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

GLOBAL CLIMATOLOGY BRANCH
 WAFSLC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-61 YEARS: APR MONTH: PAGE 1 0000-0200 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																			
47-53					.1		.1																											2	2					
47-51				.2	.4	.1	.1																												7	7				
47-59		.1		.1	.3	.3	.1																												7	7				
47-57		.1	.5	.4	.2	.1																													11	11	1	1		
57-55		.1	1.1	1.2	1.1	.4																													29	29	7			
57-52		1.7	2.0	3.1	.8	.3	.1																												64	64	15	3		
57-51		2.0	3.6	1.2	1.1	.3	.1																												62	62	31	11		
47-45	.1	3.3	4.4	1.5	.9	.8																													83	83	54	22		
47-47		3.7	4.6	2.8	1.5	.3																													97	97	78	40		
47-42	.3	5.3	6.1	3.8	2.1																														133	133	111	90		
47-43	.1	2.5	4.6	3.8	2.0	.3																													102	102	86	62		
27-41	.1	1.8	1.7	2.1	.4																														47	47	91	71		
47-39	.6	1.3	2.9	2.2	.7																														60	60	99	59		
47-37		1.5	1.5	.1																															23	23	71	75		
47-35		.5	1.3																																14	14	55	72		
37-33		.3	.9	.1																															10	10	35	48		
47-31		.1																																	1	1	15	48		
47-29		.3	.1																																3	3	6	51		
47-27																																				2	2	2	54	
47-25		.3																																	2	2	1	24		
47-23																																					2	2	12	
47-21																																							7	
47-19																																							5	
47-17																																							2	
TOTAL		1.525	1.35	3.22	7.11	5	3.3	.7																												757	757	757		

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	4086419	54659	72.2	13.598	757							90
Wet Bulb	1063545	35217	46.5	5.772	757				7			90
Dew Point	3388251	32117	42.4	5.591	757			3.1				90
	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	50	
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	1.1	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)	Σx^2	Σx	\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: _____
 PAGE 1 0600-0800 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					.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		.4	.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	797	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	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 AIR 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: TORREJON AB SP STATION NAME: TORREJON AB SP YEARS: 73-81 MONTH: ADJ
 PAGE 1 1981-1700 HOURS 15.1

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	.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	5		
61					.5	1.3	3.7	3.0	3.5	1.4	.4								.4														108	108	11		
59		.1	.4	.2	2.1	1.4	2.7	2.5	.4																								79	79	21		
57		.2	.2	1.6	3.	3.7	2.5	1.7																									99	99	33		
55		.4	.6	1.7	2.1	1.1	1.1	.4																									60	60	56		
53		.2	1.1	1.7	.9	1.4	1.7	.4																									54	54	78		
51		.9	1.6	1.1	1.5	.6	.7																										51	51	125		
49		.4	.7	.4	.2	.2	.1																										17	17	146		
47		.2	.9	.4	.4	.2																											17	17	136		
45		.6	.4	.2		.4																											13	13	95		
43																																					54
41					.2																												2	2	34		
39					.1																												1	1	9		
37																																			2		
35																																				5	
33																																				1	
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	510	810	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_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/MAG

PSYCHROMETRIC SUMMARY

STATION 1277 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	.1	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																																				5	5	5	59								
19			.1																																1	1	2	43									
17				.1																															1	1	2	45									
15																																					1	1	2	45							
13																																							1	1	2	45					
11																																								1	1	2	45				
9																																									1	1	2	45			
7																																										1	1	2	45		
5																																											1	1	2	45	
3																																												1	1	2	45
1																																												1	1	2	45
TOTAL		.7	1.4	3.2	3.7	2.4	6.1	5.5	12.0	4.7	1.0	.2	.1																							610	610	510	510								

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

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	30677.3	52973	61.4	15.854	817							
Dry Bulb	2104327	41018	52.6	5.839	817							92
Wet Bulb	1550242	36427	45.1	5.296	817				1.4			92
Dew Point	1264460	31354	38.7	7.647	817					19.8		92

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													20	28		
45																	.2	.1	.1	.1	.1													36	35		
46																.1	.2	.2	.1	.2	.3													49	49		
47									.0	.3	.2	.3	.3					.3	.1	.1													55	55			
48								.0	.1	.1	.4	.2	.1	.0				.2	.1	.0													58	59			
49								.1	.3	.3	.4	.4	.4					.2	.3	.0													115	115			
50			.0	.2	.2	.4	1.0	1.4	1.1	.7	.3	.0						.7	.3	.0													335	335	11		
51			.0	.1	.3	.6	1.5	1.3	1.7	.4	.1							.4	.1														335	335	24		
52			.1	.3	.5	1.3	.6	1.3	.6	.2	.0							.2	.0														331	331	52	2	
53			.2	.5	1.3	1.6	1.6	1.1	.5	.1								.1															439	439	131	7	
54			.0	.3	.9	1.7	1.5	1.2	1.0	.2	.0							.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	931	339	
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	.7																										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	.2																												15	15	31	474	
69			.1	.1																													9	9	9	216	
70				.0																													1	1	0	121	
71				.0																													3	3	7	7	
72																																				3	26
73																																				15	15
74																																				1	1
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

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

PSYCHROMETRIC SUMMARY

STATION: IDAREJUN AB SP STATION NAME: IDAREJUN AB SP

73-51

YEARS

MAY

PAGE 1 332-0500
 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		
51																																						
52																																						
53																																						
54																																						
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96																																						
97																																						
98																																						
99																																						
100																																						
TOTAL																																						
Σ	1.0	3.6	8.3	13.3	18.9	24.9	31.4	38.9	46.3	54.2	62.0	70.0	78.0	86.0	94.0	102.0	110.0	118.0	126.0	134.0	142.0	150.0	158.0	166.0	174.0	182.0	190.0	198.0	206.0	214.0	222.0	230.0	238.0	246.0	254.0	262.0		
Σ																																						
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FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

37 TORREJON AS SP STATION NAME

75-01

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					.2				.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		1.8	.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		.8	.1															5	5	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)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	3362768	56204	79.2	1.817	837							
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.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

27 TORREJON AS DP STATION NAME

75-51

YEARS

MAY

PAGE 1 1270-1400 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	
67/93																																		2	2
67/91																																		2	2
67/89																																		2	2
7/77																																		17	17
7/75																																		17	17
7/73																																		17	17
7/71																																		17	17
7/69																																		17	17
7/67																																		17	17
7/65																																		17	17
7/63																																		17	17
7/61																																		17	17
7/59																																		17	17
7/57																																		17	17
7/55																																		17	17
7/53																																		17	17
7/51																																		17	17
7/49																																		17	17
7/47																																		17	17
7/45																																		17	17
7/43																																		17	17
7/41																																		17	17
7/39																																		17	17
7/37																																		17	17
7/35																																		17	17
7/33																																		17	17
7/31																																		17	17
7/29																																		17	17
7/27																																		17	17
7/25																																		17	17
7/23																																		17	17
7/21																																		17	17
7/19																																		17	17
7/17																																		17	17
TOTAL																																		336	336
Element (X)	Zg'	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	Zg	
Rel. Hum.	22024.7	41367	49.114	9.888	835	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																							
Dry Bulb	3592189	54419	65.1	7.724	835			33.3	17.5	4.4		93																							
Wet Bulb	2447571	4563	53.9	4.749	835			3				93																							
Dew Point	1674945	3771	44.3	6.152	835			3.2				93																							

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

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

PSYCHROMETRIC SUMMARY

27 TULSA JUN 45 6P STATION NAME

75-01

YEARS

MAY

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				
7 / 51																																			1	1				
7 / 52																																				3	3			
7 / 53																																				3	3			
7 / 54																																				13	13			
7 / 55																																				45	45			
7 / 56																																				53	53			
7 / 57																																				52	52			
7 / 58																																				126	126			
7 / 59																																				125	125			
7 / 60																																				154	154			
7 / 61																																				157	157			
7 / 62																																				244	244			
7 / 63																																				156	156	12		
7 / 64																																				313	313	25		
7 / 65																																				599	599	91	1	
7 / 66																																				467	467	155	4	
7 / 67																																				396	396	289	19	
7 / 68																																				541	541	457	44	
5 / 69																																				445	445	673	129	
7 / 70																																				543	543	750	253	
7 / 71																																				524	524	955	430	
7 / 72																																				282	282	553	342	
7 / 73																																				355	355	735	672	
7 / 74																																				462	462	551	137	
7 / 75																																				150	150	452	879	
7 / 76																																				125	125	316	581	
7 / 77																																				51	51	156	565	
7 / 78																																				53	53	74	464	
7 / 79																																				75	75	91	365	
3 / 80																																				17	17	32	727	
7 / 81																																					2	2	14	73
7 / 82																																							7	7
7 / 83																																							59	59
7 / 84																																							14	14
Element (X)	ΣX^2	ΣX	\bar{X}	σ_s	No. Obs.	Mean No. of Hours with Temperature					Total																													
Rel. Hum.						0 F	32 F	47 F	73 F	80 F	93 F																													
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM 0-26-5 (OLAI) SERVICE METHOD DEPRESSIONS OF 1.5 INCH ARE OBSERVED

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

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

FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 AIR FORCE WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: TORRUGO, AS SP STATION NAME

73-61

YEARS

000

PAGE 1 2100-2100 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 / 67																																						
67 / 68																																						
67 / 69																																						
67 / 70																																						
67 / 71																																						
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67 / 73																																						
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67 / 85																																						
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67 / 91																																						
67 / 92																																						
67 / 93																																						
67 / 94																																						
67 / 95																																						
67 / 96																																						
67 / 97																																						
67 / 98																																						
67 / 99																																						
67 / 100																																						
TOTAL																																						

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

Element (X)	ΣX	ΣX^2	\bar{X}	S^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2359255	45775	56.518	273	810							
Dry Bulb	3635543	53773	66.4	6.965	810			39.7	18.2	5.2		90
Wet Bulb	262337	45934	56.7	4.352	810							90
Dew Point	19829.8	39597	49.5	6.862	810							90

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

PSYCHROMETRIC SUMMARY

STATION TORREJON AB 5P
 STATION NAME

73-01

YEARS

JUN

PAGE 1

HOURS ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
79																																			.1	5	5		
77																																		.1	.1	7	7		
75																																		.1	.1	9	9		
74																										.2	.2	.2	.2	.2	.2			.2	.2	24	24		
73																										.2	.2	.2	.2	.2	.2			.2	.2	49	49		
72																										.2	.2	.2	.2	.2	.2			.2	.2	53	53		
71																										.2	.2	.2	.2	.2	.2			.2	.2	133	133		
70																										.2	.2	.2	.2	.2	.2			.2	.2	52	52		
69																										.2	.2	.2	.2	.2	.2			.2	.2	175	175		
68																										.2	.2	.2	.2	.2	.2			.2	.2	334	334		
67																										.2	.2	.2	.2	.2	.2			.2	.2	261	261		
66																										.2	.2	.2	.2	.2	.2			.2	.2	252	252		
65																										.2	.2	.2	.2	.2	.2			.2	.2	326	326		
64																										.2	.2	.2	.2	.2	.2			.2	.2	326	326		
63																										.2	.2	.2	.2	.2	.2			.2	.2	355	355	3	
62																										.2	.2	.2	.2	.2	.2			.2	.2	276	275	14	
61																										.2	.2	.2	.2	.2	.2			.2	.2	216	216	171	
60																										.2	.2	.2	.2	.2	.2			.2	.2	322	322	3	
59																										.2	.2	.2	.2	.2	.2			.2	.2	513	513	577	23
58																										.2	.2	.2	.2	.2	.2			.2	.2	457	457	719	71
57																										.2	.2	.2	.2	.2	.2			.2	.2	416	416	619	272
56																										.2	.2	.2	.2	.2	.2			.2	.2	425	425	721	332
55																										.2	.2	.2	.2	.2	.2			.2	.2	393	393	626	509
54																										.2	.2	.2	.2	.2	.2			.2	.2	282	282	695	711
53																										.2	.2	.2	.2	.2	.2			.2	.2	202	202	536	817
52																										.2	.2	.2	.2	.2	.2			.2	.2	87	87	386	475
51																										.2	.2	.2	.2	.2	.2			.2	.2	90	90	292	631
50																										.2	.2	.2	.2	.2	.2			.2	.2	56	56	149	1272
49																										.2	.2	.2	.2	.2	.2			.2	.2	16	16	55	507
48																										.2	.2	.2	.2	.2	.2			.2	.2	11	11	27	311
47																										.2	.2	.2	.2	.2	.2			.2	.2	3	3	17	256
46																										.2	.2	.2	.2	.2	.2			.2	.2				
45																										.2	.2	.2	.2	.2	.2			.2	.2				
44																										.2	.2	.2	.2	.2	.2			.2	.2				
43																										.2	.2	.2	.2	.2	.2			.2	.2				
42																										.2	.2	.2	.2	.2	.2			.2	.2				
41																										.2	.2	.2	.2	.2	.2			.2	.2				
40																										.2	.2	.2	.2	.2	.2			.2	.2				
39																										.2	.2	.2	.2	.2	.2			.2	.2				
38																										.2	.2	.2	.2	.2	.2			.2	.2				
37																										.2	.2	.2	.2	.2	.2			.2	.2				
36																										.2	.2	.2	.2	.2	.2			.2	.2				
35																										.2	.2	.2	.2	.2	.2			.2	.2				
34																										.2	.2	.2	.2	.2	.2			.2	.2				
33																										.2	.2	.2	.2	.2	.2			.2	.2				
32																										.2	.2	.2	.2	.2	.2			.2	.2				
31																										.2	.2	.2	.2	.2	.2			.2	.2				
30																										.2	.2	.2	.2	.2	.2			.2	.2				
29																										.2	.2	.2	.2	.2	.2			.2	.2				
28																										.2	.2	.2	.2	.2	.2			.2	.2				
27																										.2	.2	.2	.2	.2	.2			.2	.2				
26																										.2	.2	.2	.2	.2	.2			.2	.2				
25																										.2	.2	.2	.2	.2	.2			.2	.2				
24																										.2	.2	.2	.2	.2	.2			.2	.2				
23																										.2	.2	.2	.2	.2	.2			.2	.2				
22																										.2	.2	.2	.2	.2	.2			.2	.2				
21																										.2	.2	.2	.2	.2	.2			.2	.2				
20																										.2	.2	.2	.2	.2	.2			.2	.2				
19																										.2	.2	.2	.2	.2	.2			.2	.2				
18																										.2	.2	.2	.2	.2	.2			.2	.2				
17																										.2	.2	.2	.2	.2	.2			.2	.2				
16																										.2	.2	.2	.2	.2	.2			.2	.2				
15																																							

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

PSYCHROMETRIC SUMMARY

STATION: TOLSON AIR STATION
 STATION NAME: TOLSON AIR STATION

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																																					15
/ 29																																					12
/ 28																																					1
/ 25																																					1
TOTAL	11.4	12.1	10.1	9.2	7.9	7.3	7.3	5.2	5.2	4.3	2.9	2.1	1.7	.5	.1																				5475	5475	5475
																																				5475	5475

Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	0-32 F	33-67 F	68-73 F	74-80 F	> 80 F	
Rel. Hum.	23725153	365372	55.4	21.932	6478							
Dry Bulb	29936917	434645	67.1	10.933	6478			336.7	231.1	113.1	5.1	725
Wet Bulb	2996122	36754	56.7	5.532	6478			11.1				725
Dew Point	1567142	31526	48.7	6.455	6478			8.1				725

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

MAC CLIMATOLOGY BRANCH
 WETBAC
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: FERRISVILLE, ALA. STATION NAME: FERRISVILLE

1950

YEARS

000

PERIOD: 3/10-3/20

Temp F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB WB	Dry Bulb	Wet Bulb	Dew P		
7																																						
8																																						
9																																						
10																																						
11																																						
12																																						
13																																						
14																																						
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17																																						
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26																																						
27																																						
28																																						
29																																						
30																																						
31																																						
TOTAL																																						
DB WB																																						
Dry Bulb																																						
Wet Bulb																																						
Dew P																																						
0 F																																						
10 F																																						
20 F																																						
30 F																																						
40 F																																						
50 F																																						
60 F																																						
70 F																																						
80 F																																						
90 F																																						
100 F																																						
TOTAL																																						
DB WB																																						
Dry Bulb																																						
Wet Bulb																																						
Dew P																																						
0 F																																						
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20 F																																						
30 F																																						
40 F																																						
50 F																																						
60 F																																						
70 F																																						
80 F																																						
90 F																																						
100 F																																						

USAFETAC Form 0-265 (Rev. 1-5-50) WEATHER SERVICE/MAC

Element	Z	Z	K	%	No. Obs	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	95.1	47.425	54.114	4.932	437							
Dry Bulb	23.2	11.305	61.7	5.633	437			14.6	2.9			43
Wet Bulb	14.3	4.432	57.7	4.546	437							43
Dew Point	15.5	7.40	46.5	6.53	437		1.3					43

PSYCHROMETRIC SUMMARY

PAGE 1 12-1-1955
HOURS

Temp	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
60																																					
61																																					
62																																					
63																																					
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66																																					
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95																																					
96																																					
97																																					
98																																					
99																																					
100																																					
Element X	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel Hum						0 F	32 F	67 F	73 F	80 F	93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0 26 5 (10-54) NAVY WEATHER SERVICE (FORMERLY AFM 50-10)

ARMED CLIMATOLOGY BRANCH
 WET BULB TEMPERATURE DEPRESSION (F)

PSYCHROMETRIC SUMMARY

STATION: TOLLESON AB SP STATION NAME: JUL MON

TD-51

YEARS

JUL

PAGE 1 1500-1700 HOURS

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL										
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point					
71																																		.1	1	1						
72																																		1.7	14	14						
73																																		5.4	49	49						
74																																		4.3	45	45						
75																										.4	1.5	3.7	3.8					7.9	79	79						
76																								.1	1.2	2.5	2.9	1.1						5.5	55	55						
77																							.1	1.0	1.3	3.1	1.8	.7						6.7	67	67						
78																									.4	.5	2.5	5.3	3.9	2.2			.2	12.9	129	129						
79																			.1	.1	.5	7.7	4.4	1.4									3.5	35	35							
80																			.1	.1	.5	1.3	1.4	.2										3.1	31	31						
81																			.4	.2	1.4	1.4	1.4	.6	.2									5.3	53	53						
82																			.1	1.2	1.4	4.9	1.2	.2										7.4	74	74						
83																			.5	.7	1.9	1.1	.1	.2										4.4	44	44						
7 / 77										.1	.1	.1						.5	1.1	.7														2.7	27	27						
7 / 75										.1	.2	.5	.5	.5	.2																				1.9	19	19					
7 / 73										.1	.2	1.1	.4	.4																					2.1	21	21					
7 / 71										.2	.5	.2	.4	.4																					1.5	15	15					
7 / 69							.1	.5	.4																											1.4	14	14				
7 / 57						.1	.1																												.2	2	2					
7 / 55						.1	.1																												1	1	17.5	17.5				
7 / 53					.1	.1				.1																									3	3	27.2	27.2				
7 / 51																																					15.1	15.1	5			
7 / 49																																				1	1	11	11			
7 / 47																																					4.5	4.5	21	21		
7 / 45																																				7.3	7.3	15	15			
7 / 43																																					11	11	42	42		
7 / 41																																						3.8	3.8	3.8	3.8	
7 / 39																																						4.4	4.4	4.4	4.4	
7 / 37																																						9.5	9.5	9.5	9.5	
7 / 35																																						2.9	2.9	2.9	2.9	
7 / 33																																						11.5	11.5	11.5	11.5	
7 / 31																																						7.5	7.5	7.5	7.5	
7 / 29																																						1.4	1.4	1.4	1.4	
Element (X)	Zx'	Zx	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total																														
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																														
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										

USAFETAC FORM 0265 (OL A) REVIS WET BULB TEMPERATURE DEPRESSION

FEDERAL CLIMATOLOGY BRANCH
 SAFETAC
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: TORRILTON, AS OF
 STATION NAME:

70-51

YEARS:

00

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					
3 / 10																																						47			
3 / 10																																						12			
3 / 10																																						3			
3 / 10																																						5			
3 / 10																																						837	807	837	837
																																						537		577	

Element (X)	Σ X'	Σ X	\bar{X}	s_x^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	57555	23273	24.210	233	937							
Dry Bulb	514855	73857	67.9	7.775	937			2.5	69.1	79.4	84.1	93
Wet Bulb	332544	52692	56.2	3.227	937			11.7				93
Dew Point	173967	37861	40.5	5.683	937			1.1				93

USAFETAC FORM 0 265 (OLAI) JUL 64 88-50 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AFSA/CLIMATE BRANCH
AFSA/CLIMATE SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: AFSA/CLIMATE SERVICE/MAC

73-31

YEARS

DATE

PAGE 7
7300-2300

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

Element / Xr	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature				Total
						< 67 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	1379615	71549	57.914	6.537	837	0	12	0	0	93
Dry Bulb	475558	52502	74.7	6.793	837	70.6	29.9	25.1	0.1	93
Wet Bulb	271368	48414	57.4	3.921	837	0	0	0	0	93
Dew Point	1733438	36192	42.6	5.982	837	2.4	0	0	0	93

USAFETAC Form 0 26 5 (OLA) 1-64 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

ALL

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 _x	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	31367.5	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) (11-1-54)

CENTRAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 SERVICE ZMAD

PSYCHROMETRIC SUMMARY

STATION: INTERNATIONAL SP
 STATION NAME

73-51

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	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	8.37	8.37

Element	X	Z X	X	%	No Obs	Mean No. of Hours with Temperature					Total	
Rel Hum	1-3105	4 713	48.5	15.875	837	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	7415155	56-97	68.1	5.474	837			19.7	2.4			23
Wet Bulb	252855	47826	50.4	4.544	837							20
Dew Point	1591529	39183	46.5	7.737	837		7.3					23

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

USAFETAC
 WET BULB TEMPERATURE DEPRESSION (°F)
 1952-53

PSYCHROMETRIC SUMMARY

STATION: 105 FORT AUSTIN YEAR: 1953
 LOCATION: 105 FORT AUSTIN MONTHS: 1953
 PERIOD: 105 FORT AUSTIN

Temp F	WET BULB TEMPERATURE DEPRESSION (°F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-WB	Dry Bulb	Wet Bulb			
77																.1				.1															1	1		
78															.2																				2	2		
79														.7																					7	7		
80							.1	.4	.7	.7	.8																								23	23		
81				.1	.1	.7	1.5	.7	.4	.4																									13	17		
82				.5	.3	1.5	1.2	.8	.4	.1												.1													11	43		
83			.1	.1	1.1	1.2	1.7	.7	.5	.1																									41	41		
84		1.3	.3	2.7	2.9	2.3	.7	.7	.7																										77	77		
85	1.9	3.5	4.1	2.7	3.3	7.7	2.3	.8	.2																										114	114		
86		1.2	3.1	3.6	3.9	3.2	.1	.2																											121	128		
87			1.7	1.2	3.7	1.3	1.1	.1	.3																										79	104		
88	.1	1.1	.3	3.2	1.7	2.2	.7	.7																												11	81	
89		.3	.3	1.3	1.7	.7	.7																												4	41		
90		.2	.1	1.2	1.1	.3	.1																												27	27		
91				.7	.1																														11	41		
92				.1																															1	4		
93				.2																															4	4		
94			.2	.1																															2	24		
95																																				13	13	
96																																				34	119	
97																																				4	77	
98																																				2	11	
99																																					13	41
100																																				1	4	
TOTAL		3.3	7.5	16.7	24.0	29.1	35.8	43.7	44.3	1.1	.2																							576	576	838		

Element	Σ X	Σ X ²	X̄	S ²	No. Obs	Mean No. of Hours with Temperature						
						+0 F	+32 F	+67 F	+73 F	+80 F	+93 F	Total
Rel. Hum.	254.73	7707	5.31	14.350	53							33
Dry Bulb	333.44	12513	5.54	5.435	63			17.3	4.3			43
Wet Bulb	272.57	45257	5.44	4.345	63							43
Dew Point	155.12	7901	4.67	7.325	33		3.3					23

USAFETAC Form 0-265 Use All Points with Station Thermometer & Dry

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

PSYCHROMETRIC SUMMARY

STATION: THUNDERBOLT AFB
STATE: TEXAS

70H01

YEARS

02

PERIOD: 10/1/65 - 10/31/65

Temp	WET BULB TEMPERATURE DEPRESSION °F																															TOTAL	TOTAL				
°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Leaves	
77																.2																		1			
78																.2	.4																	1			
79									.1							.5	.2	.4	.1															1			
80							.1		1.1	1.1						.5	.1																	4			
81						.1	1.2	.3								.2																		4			
82				.1		.5	1.4	1.2	1.4							.2																		4			
83	.4		1.3	5.2			6.1	6.7	6.3							.2	.1																	192	142	12	
84	.4		1.5	3.3			7.4	4.2	7.4							.4																		1			
85	.4		1.7	2.2			7.1	1.3	1.1																									110	110	1	
86	.4	1.3	1.2	3.7			7.7	1.7	.7							.1																		41	41	1	
87	.1	.4		1.4			7.1	1.8	.8							.1																		50	45	1	
88		.4	1.1	1.1			6.7	.7	.4																									74	74	1	
89		.1	.2	1.4					.4																									27	27	1	
90				.4																														7	7	1	
91				.4																														4	4	1	
92				.1																														5	5	1	
93				.1																														4	4	1	
94				.1																														7	7	1	
95				.1																														2	2	1	
96				.1																														7	7	1	
97				.1																														2	2	1	
98				.1																														4	4	1	
99				.1																														4	4	1	
100				.1																														1	1	1	
TOTAL	.1	0.71	.52	1.12	1.11	.61	1.1	.1	.5	.3	.2	.1	.7	.1																				577	577	4	7

USAFETAC FORM 8-64 0 20 5 (O-L-A) (REVISED EDITIONS) (THIS IS FORM 18-17C)

Element	Σ X ²	Σ X	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel Hum	221433	71.73	57.4	13.775	537	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	322335	1420	51.4	5.272	537			10.2	1.4			
Wet Bulb	2427.5	447.1	53.7	4.857	537							
Dew Point	133.23	392.9	47.0	6.729	537		2.5					

CLIMATE METEOROLOGICAL BRANCH
USAFETAC
WEATHER SERVICE / MAC

PSYCHROMETRIC SUMMARY

STATION: KANAB, AZ 3P STATION NAME

73-51

YEARS

AGE

PAGE 1 1275-1435
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																																					
71																																					
72																																					
73																																					
74																																					
75																																					
76																																					
77																																					
78																																					
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96																																					
97																																					
98																																					
99																																					
100																																					
Element X	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel Hum						0 F	32 F	67 F	73 F	80 F	93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-265 (0-6-57) RE-SEC RELEASED UNDER THIS IN AN UNCLASSIFIED

GENERAL CLIMATOLOGY BRANCH
 WASHINGTON
 AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: TORREON AB CANADA STATION NAME: TOR-B1 YEARS: 1965-1966
 PERIOD: 1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb Wet Bulb Dew Point		
71																																		835	815	810
72																																				

Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel Hum	1217254	27048	32.910	927	835	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	5515354	69486	83.1	5.910	835			91.5	55.7	65.2	5.9	93
Wet Bulb	3354754	52874	63.2	3.620	835			18.8				93
Dew Point	2150133	41572	49.7	5.274	835			5				93

USAFETAC FORM 0265 (OL A) 1-65 USE PREVIOUS EDITIONS OF THIS REPORT.

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

PSYCHROMETRIC SUMMARY

STATION: 2-271 TORREY AFB SP
 STATION NAME

73-01

YEARS

ADJ
 MONTH

PERIOD 1500-1700
 HOURS

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point			
/ 77																																				34	
/ 80																																				30	
/ 83																																				14	
/ 86																																				5	
/ 89																																				1	
1500-1700			.8	.2	.2	1.2	1.7	1.2	2.5	6.7	7.3	11.4	11.6	15.3	16.5	12.5	11.8																		837	837	807

Element (X)	Zx'	Zx	\bar{X}	σ_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	67.6	7.327	837			92.4	89.9	79.8	24.1	93
Wet Bulb	33663.3	53.67	63.3	3.352	837			14.6	.1			93
Dew Point	1032903	38925	46.4	6.192	837		.8					93

USAFETAC FORM 0265 (01A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL CLIMATOLOGY BRANCH
 U.S. DEPARTMENT OF COMMERCE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION 73-61
 STATION NAME

73-61

YEARS

1900-2000

PAGE 1 1900-2000

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 Hours		
33																																				43
32																																				24
31																																				10
30																																				5
29																																				1
28																																				1
25																																				1
TAC																																				937
																																				837

Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum.	140523	22699	47.912473		837							
Dry Bulb	524152	71122	85.27557		837			41.1	46.1	73.7	14.1	43
Wet Bulb	327721	51899	62.33402		837			5.2	.1			43
Dew Point	1753177	37285	45.36777		837		2.4	.1				43

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

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL BRANCH
 METEOROLOGICAL SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION TURBIDON A610P STATION NAME

73-61

YEARS

60

PAGE 110-1103

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
/ 29																																			2	7				
/ 30																			.2	.1	.1	.1								.1			5	5						
/ 31																		.1	.5	.4	.3													6	6					
/ 32																		.4	1.0	.6	1.0	.4											12	37						
/ 33												.1	.1	.2	.2	2.0	3.1	1.7	.4														82	82						
/ 34											.1	.1	1.1	1.6	3.2	1.8	1.8	.1															7	7						
/ 35									.1	.1	.1	1.1	1.4	2.6	3.2	.7	.8	.1															92	92						
/ 36								.2	1.0	2.0	2.3	3.6	3.1	.4	.8																			114	114					
/ 37							.4	.7	1.1	2.2	1.2	2.6	1.7	7.2	.1	.1																		89	89					
/ 38					.4	.7	.5	1.8	1.4	2.6	2.3	1.1	.8																					72	97					
/ 39				.4	1.1	1.2	.7	2.0	2.2	1.0	.5																							75	75					
/ 40				.4	.7	.5	.4	.7	.8	.1																								13	33	12				
/ 41			.1	.4	.5	1.1	.5	1.5	1.1	.2																								44	48	12				
/ 42			.2	.5	.5	.2	.5	1.3	1.1	.1																								41	41	17				
/ 43			.1	.2	.4	.2	.7	.7	.1																									41	41	17				
/ 44			.5	.6	.1	.2	.2	.2																										12	12	12				
/ 45				.2																															4	4	12			
/ 46																																		1	1	13				
/ 47																																			42	42	34			
/ 48																																			48	48	75			
/ 49																																				71	71	35		
/ 50																																					5	5	56	
/ 51																																					1	127	127	
/ 52																																						18	18	
/ 53																																						67	67	
/ 54																																						63	63	
/ 55																																						48	48	
/ 56																																						59	59	
/ 57																																						21	21	
/ 58																																						17	17	
/ 59																																						11	11	
/ 60																																						9	9	
/ 61																																						2	2	

Element (K)	Z _K ¹	Z _K	\bar{X}	σ_K	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 44-00 0 26 5 (OLAI) 87-167 METEOROLOGICAL SERVICE OF THE FEDERAL BUREAU OF SURVEY

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 800 WAFB H. SEVIER/MAO

PSYCHROMETRIC SUMMARY

4-2-73 STATION NAME: FARRINGTON AFB, GA

73-01

YEARS

418

PAGE 1 2100-2300
 HOURS 1973

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	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
																																					837	837

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	1421717	72244	39.514	949	837							
Dry Bulb	409953	61822	73.9	6.318	837			75.9	55.7	18.5		93
Wet Bulb	3530413	46505	55.1	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

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

PSYCHROMETRIC SUMMARY

STATION **TORREJUN AB DP** STATION NAME **73-01** YEARS **40**
STATION NUMBER

PERIOD **40**
PERIOD

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	6	7-8	9-10	11-12	13	14	15	16	17	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																											.1	12	12						
/ 42																											.1	2	2						
2 / 43																											.1	7	7						
/ 44																										.1	74	74							
/ 45																										.1	72	72							
/ 46																			.1	.1	.1	.1	.1	.1	.1	.1	.1	162	162						
/ 47																			.1	.1	.1	.1	.1	.1	.1	.1	.1	137	137						
/ 48																			.1	.1	.1	.1	.1	.1	.1	.1	.1	243	243						
/ 49																			.1	.1	.1	.1	.1	.1	.1	.1	.1	321	321						
/ 50																			.1	.1	.1	.1	.1	.1	.1	.1	.1	255	255						
/ 51																			.1	.1	.1	.1	.1	.1	.1	.1	.1	14	14						
/ 52													.1	.1	.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	.1	30	30						
/ 53								.1	.1	.1	.1	.1	.7	.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	.1	497	497						
/ 54								.1	.1	.1	.1	.1	.1	.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	.1	311	311						
/ 55								.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	317	317						
/ 56								.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	345	345						
/ 57			.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	371	371	2					
/ 58			.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	445	445	13					
/ 59			.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	373	373	7					
/ 60			.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	294	294	312					
/ 61			.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	345	345	6					
/ 62			.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	345	345	8					
/ 63			.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	371	371	44					
/ 64			.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	381	381	114					
/ 65			.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	288	288	183					
/ 66			.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	298	298	745					
/ 67			.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	111	111	490					
/ 68			.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	58	58	517					
/ 69			.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	35	35	677					
/ 70			.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	6	6	396					
/ 71			.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	7	7	51					
/ 72			.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	7	7	172					
/ 73			.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	73	73	536					
/ 74			.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	477					
/ 75			.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	3	3	399					
Element	$\Sigma_{i,j}$	$\Sigma_{k,l}$	\bar{x}	\bar{y}	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 (10-64) AFETAC
FORM 5000 (REV. 10-64) PREPARED BY THE WEATHER SERVICE

CLIMATE DIVISION
 STATION
 YEAR

PSYCHROMETRIC SUMMARY

STATION NO. 4
 YEAR 1951
 MONTHS

Temp F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB. WB		Dry Bulb	Wet Bulb	Dew Point	
70																																						
71																																						
72																																						
73																																						
74																																						
75																																						
76																																						
77																																						
78																																						
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92																																						
93																																						
94																																						
95																																						
96																																						
97																																						
98																																						
99																																						
100																																						
Σ																																						

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

USAF/FAO FORM 0-26.5 (REV. 4-54) JUL 54

PSYCHROMETRIC SUMMARY

WET BULB TEMPERATURE DEPRESSION (F)

STATION: ... MONTH: ... YEAR: ...

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.	WB.	Dry Bulb	Wet Bulb	Dea Point			
90													.4		.7	.3	.1																11	17					
85												.1	.1	1.2		.2	.5	.1															20	23					
80													.4	.7	.7																								
75													.9	.7	1.4	1.4	.1	.1																	17	21			
70															1.5	1.1	1.3	1.2																	14	14			
65														.1	2.1	2.1	1.8	1.2																	26	28			
60				.1	.1	1.1	1.1	2.1	2.1	1.7	.7	.4	.4																						17	19			
55				.1	.1	1.1	1.1	1.7	1.7	1.7	.7	.7	.2						.1	.1														13	14				
50				.1	.1	1.2	1.1	1.7	1.7	1.7	.7	.2	.2																						11	12			
45		.1	.1	1.2	1.1	1.7	1.7	1.7	1.7	1.7	.7	.2	.2																						12	14	2		
40		.1	.1	1.2	1.1	1.7	1.7	1.7	1.7	1.7	.7	.2	.2																						7	10	1		
35			.1	.1	1.2	1.1	1.7	1.7	1.7	1.7	.7	.2	.2																						8	10	1		
30				.1	.1	1.2	1.1	1.7	1.7	1.7	.7	.2	.2																							3	4		
25				.1	.1	1.2	1.1	1.7	1.7	1.7	.7	.2	.2																								1		
20					.1	.1	1.2	1.1	1.7	1.7	.7	.2	.2																									1	
15					.1	.1	1.2	1.1	1.7	1.7	.7	.2	.2																									1	
10					.1	.1	1.2	1.1	1.7	1.7	.7	.2	.2																									1	
5					.1	.1	1.2	1.1	1.7	1.7	.7	.2	.2																									1	
0					.1	.1	1.2	1.1	1.7	1.7	.7	.2	.2																									1	
TOTAL																																				111	111		111

Element	X	Z _x	X̄	%	No. Obs.	Mean No. of Hours with Temperature				Total		
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Wet Bulb	1735747	46.42	59.445	2.25	317							
Dry Bulb	383123	17.32	60.3	7.169	317			37.5	15.1	1.8		90
Wet Bulb	22609	48.60	58.4	5.331	317							93
Dea Point	1783746	39.58	47.7	7.228	317		1.9					93

U.S. NAVAL CLIMATOLOGY SERVICE
 WASHINGTON, D.C. 20375
 WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: 1088100, AS SP
 STATION NAME:

73-21

YEARS

SEP

PAGE 1 1421-1433

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
73	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	73	61.7	61.7	61.7

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total
						60 F	62 F	67 F	73 F	80 F		93 F
Rel. Hum.	133227	1371	40.212	975	817	0	0	0	0	0	817
Dry Bulb	4358776	61249	75.7	7.643	817	0	0	76.8	82.6	38.7	90
Wet Bulb	2754756	48758	59.2	4.943	817	0	0	5.2	0	0	90
Dew Point	1274449	39513	48.9	7.875	817	2.3	0.1	0	0	0	90

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

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY FRANCH
 WASHINGTON, D.C. 20541
 WEATHER SERVICE/PA

PSYCHROMETRIC SUMMARY

STATION NO. 10R200N A3 50
 STATION NAME

73-51

YEARS

351

PAGE 1 1500-1700
 73-51

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL											
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dry Bulb									
60																																			6										
61																																													
62																																													
63																																													
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65																																													
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99																																													
100																																													
Element (X)	$\Sigma X'$		ΣX			\bar{X}		s_x																																					
Rel. Hum.																																													
Dry Bulb																																													
Wet Bulb																																													
Dew Point																																													
										Mean No. of Hours with Temperature																																			
										50 F	52 F	54 F	56 F	58 F	60 F	62 F	64 F	66 F	68 F	70 F	72 F	74 F	76 F	78 F	80 F	82 F	84 F	86 F	88 F	90 F															

USAFETAC FORM NO. 04 0 26 5 (OL A) REVERSE METRIC EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF SURVEILLANCE
U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: DUNELON AR GP
STATION NAME: DUNELON AR GP

73-81

YEARS

05-

PAGE 1 18 JUL 68
HOURS

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

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 D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point	
57																																			18	15		
59																																			28	25		
61																							1.7	1.1	1.0	1.1								41	41			
63																.1						.7	.2	1.0	.5	.1							18	18				
65																		.1		.1	1.4	1.5	1.1	1.2	.1								43	45				
67															.1	.2	2.2	2.7	4.6	.5	.7	.1											31	31				
69															.1	.4	1.4	3.3	2.5	.5	.2	.1											74	74				
71														.1	.7	1.1	2.6	2.3	1.1	.1	.4												69	69				
73													.5	1.1	2.6	2.1	1.5	1.2															73	73				
75										.5	1.4	1.1	1.7	1.7																			45	45				
77				.1	.1	1.2		.7	1.2	1.5	1.4	1.2	.1																				64	64				
79			.4	.4	.4	1.3	1.3	1.2	1.3	1.2	.5	.2																					59	59		1		
81			.2	.4	.2	.5	.4	.5	.1	.1																						24	24		1			
83		.2	1.1	.5	.5	.9	.9	.1	.1																							37	37		50			
85		.4				1.1	.3	1.2	.1	.2																						34	34	174	0			
87		.2				.2	.7	.1	.1																							25	25	135	10			
89						.2	.4	.5	.2	.4																						22	22	155	23			
91						.2	.1																										3	3	115	21		
93				.1	.2	.2	.1	.2																									8	5	75	29		
95				.1	.1	.1																											5	5	55	33		
97						.1																											7	7	41	50		
99						.1																											3	3	25	45		
101						.1																											2	2	16	51		
103																																	8		133			
105																																	7		51			
107																																	4		75			
109																																	1		75			
111																																		1		41		
113																																				35		
115																																				23		
117																																				7		
119																																				14		
121																																				5		
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.						0 F	32 F	67 F	73 F	80 F	93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0 26 5 (OLA) REF USE PREVIOUS EDITIONS OF THIS FORM AND INSTRUCTIONS JUL 68

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
41 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION ID: 20-REJUN AL SP STATION NAME

73-21

YEARS

1952

1800-2100

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
73.2																																							81.0			

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature				Total																														
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F		≥ 80 F	≥ 93 F																												
Rel. Hum	152.545	29772	35.54	6.722	817																																		90	
Dry Bulb	4552905	61157	75.5	8.995	817																																			90
Wet Bulb	2757311	47345	55.5	4.953	817																																		90	
Dew Point	1589244	36442	45.7	7.839	817																																		90	

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

GENERAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AND WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

STATION NO. 1048000 AS SP STATION NAME

73-01

YEARS

PERIOD 0100-2300

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. Diff.	Wet Bulb Dep. F.	Total															
100	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	31.0	1.0	1.0	1.0	
101																																			
Element (X)	Zx'	Zx	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature											Total																		
Rel. Hum	2157931	39502	48.816	7.01	817	0 F	32 F	67 F	73 F	80 F	93 F	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	6.0	90																												

USAFETAC FORM 0265 (OLA) REVISION 10-64 USE PREVIOUS EDITIONS OF THIS PUBLICATION

U.S. AIR FORCE METEOROLOGY BRANCH
 FORM 110
 4-54 (REV. 1-15-54)

PSYCHROMETRIC SUMMARY

STATION: 10-80044-01
 STATION NAME:

10-61

YEARS

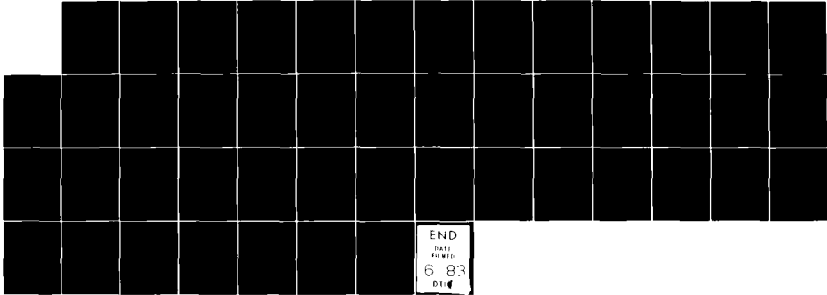
1958

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	DeW. Pt.																																																																								
1.2	5.7	6.7	7.0	8.1	10.1	11.1	11.4	8.0	6.0	5.9	5.4	4.2	2.7	2.7	1.2	.8	.1											6477	6477																																																																															
																																6477	6477																																																																											
<table border="1"> <thead> <tr> <th>Element X</th> <th>ΣX^2</th> <th>ΣX</th> <th>\bar{X}</th> <th>s_x</th> <th>No. Obs</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <th>+ 0 F</th> <th>+ 32 F</th> <th>+ 67 F</th> <th>+ 73 F</th> <th>+ 80 F</th> <th>+ 93 F</th> <td></td> </tr> </thead> <tbody> <tr> <td>Rel Hum</td> <td>19534375</td> <td>331457</td> <td>51.7</td> <td>19.958</td> <td>6477</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>720</td> </tr> <tr> <td>Dry Bulb</td> <td>29944474</td> <td>474275</td> <td>67.3</td> <td>11.299</td> <td>6477</td> <td></td> <td></td> <td>33.3</td> <td>233.2</td> <td>121.4</td> <td>2.2</td> <td>720</td> </tr> <tr> <td>Wet Bulb</td> <td>2239334</td> <td>359473</td> <td>55.5</td> <td>6.559</td> <td>6477</td> <td></td> <td></td> <td>.3</td> <td>12.3</td> <td></td> <td></td> <td>720</td> </tr> <tr> <td>DeW. Point</td> <td>1421733</td> <td>298953</td> <td>46.2</td> <td>8.742</td> <td>6477</td> <td></td> <td>33.3</td> <td>.1</td> <td></td> <td></td> <td></td> <td>720</td> </tr> </tbody> </table>																																Element X	ΣX^2	ΣX	\bar{X}	s_x	No. Obs	Mean No. of Hours with Temperature					Total							+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F		Rel Hum	19534375	331457	51.7	19.958	6477							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
Element X	ΣX^2	ΣX	\bar{X}	s_x	No. Obs	Mean No. of Hours with Temperature					Total																																																																																																	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F																																																																																																	
Rel Hum	19534375	331457	51.7	19.958	6477							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																																																																																																

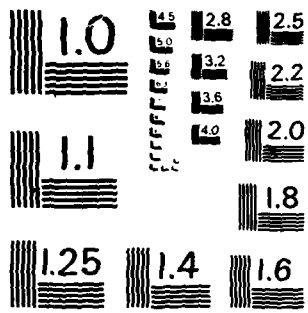
USAFETAC FORM 110 64 JUL 64 (OL A) 0-26-5 (OL A) REVISIONS THROUGH 1-15-54 BY 44481 B. L. H.

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 SBI-AD-E850 358 F/G 4/2 NL

55



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FORMED
6 83
DTIC



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		.1	.5	2.6	1.8	2.9	.7	.4	.1																		76	76	5						
61	.1	.7	1.9	1.6	2.2	1.3	1.2																				75	75	13	3					
59	.1	1.1	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						

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

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	4272544	58132	69.8	16.102	833			.1	3.7	.6		93
Wet Bulb	2565928	45910	54.9	7.150	833			.2				93
Dew Point	2573331	41243	49.5	6.137	833			.8				93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-61 YEARS: OCT MONTH: 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																			
47 55											.1					.1																	2	2						
47 51												.5	.5	.1	.2																			11	11					
47 47											.1	.6	.4	.6	.1																			15	15					
7 47 77										.1	.8	.1	.7	.2																				17	17					
47 75									.7	1.0	2.2	.1	.4																					36	36					
47 71								.6	.8	1.1	.8	.1																						29	29					
47 69						.1	.8	1.4	1.1	.6	.4	.1																						38	39					
47 67					.7	1.7	1.9	1.4	1.4	.5																								64	64					
47 63					1.2	1.1	1.2	1.1	.5	.1																								43	43					
47 61				.5	1.5	1.2	2.7	1.8	1.3	.2																								71	71	0				
47 59		.5	.4	3.2	2.5	4.2	3.2	1.7	.2	.1																								134	134	24				
47 57		.4	2.4	1.6	1.8	2.5	1.1	.7	.1																									88	88	59	4			
47 55	.2	1.0	1.2	.5	1.8	.8	2.9	1.0	.6																									93	93	124	8			
47 53	.1	.4	.8	1.7	1.9	1.3	1.0	.8																										67	67	113	36			
47 51	.5	1.0	.2	1.4	1.7	1.1	.7	.4																										58	58	97	57			
47 49	.1	.7	.8	1.2	.6	.2																												31	31	175	68			
47 47	.7	1.0	.6	.4	.7	.2																												30	30	99	61			
47 45	.2	.6	.1	.1	.1																													9	9	76	49			
47 43	.2	.4	.1	.1																														6	6	59	86			
47 41	.1	.1	.1	.1																														4	4	46	119			
47 39	.1																																	1	1	23	73			
47 37																																					12	69		
47 35																																			4	61				
47 33																																					1	43		
47 31																																					30			
47 29																																					19			
47 27																																					11			
47 25																																					14			
47 23																																					17			
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																						937	937	937		

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2677637	45247	54.1	16.6	837	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
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 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

270 TORREJON AB SP STATION NAME

71-81 YEARS

DCI MONTH

PAGE 1 1500-1740 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 95													.1	.1	.2	.2		6	6																	
47 81											.1	.1	.1	.2	.2			7	7																	
77 61										1.2	1.9	2.3	.2	.2	.1			48	48																	
77 77										1.3	1.5	1.2						34	34																	
77 77								.4	.7	.6	1.1		.1					24	24																	
77 75								.6	1.0	.8	.8							32	32																	
47 75						.1	1.7	.6	1.0	.6	.7							39	43																	
77 71						.1	.8	1.4	1.2	2.4	2.5	.5	.1					82	84																	
77 69						.2	1.9	2.2	2.0	2.8	.2	.4						81	81																	
77 67			.1	.1	.4	.2	.8	1.3	.7	.1	.4							35	35			1														
57 65		.1	.1	2.7	1.4	2.4	1.3	1.1	.4									74	74			13														
47 63		.2	.4	2.4	2.7	2.4	2.2	1.9	.5									120	120		33	2														
77 61		.4	1.3	1.2	1.1	1.9	1.7	1.1	.4	.5								76	76		93	1														
77 59	.2	.4	1.1	.4	1.2	1.1	.8	1.4	1.3	.1								67	67		97	12														
77 57	.1	1.3	.2	.8	.7	1.1	.7	.7										45	45		139	13														
57 55	.2	.4	.6	.8	.8	.7	.1	.1										31	31		125	61														
47 53		.7	.7	.2	.1	.2	.1	.1										18	19		130	58														
77 51	.2	.6	.6	.2	1.1	.2												25	25		78	64														
77 47			.1	.1														2	2		75	53														
77 47	.1	.8	.1															7	7		49	73														
77 45		.1																1	1		38	123														
47 43																					22	68														
27 41																					6	58														
77 37																					1	61														
77 37																						47														
77 32																						29														
37 33																						25														
77 31																						12														
77 27																						17														
77 27																						18														
77 25																						9														
77 23																						12														
77 19																						2														

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

0-270 TORREJON AG SP 73-01 JCT
STATION STATION NAME YEARS MONTH
 PAGE 2 1520-1740
HOURS G.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
TOTAL	1.	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												
(The following table is a summary of the data presented in the main table above.)																																	
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																					
Rel. Hum.	2167.39	39855	47.8	17.750	834	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	93																					
Dry Bulb	3782953	55849	66.7	8.254	834			43.4	21.2	7.6		93																					
Wet Bulb	2525375	45677	54.8	5.335	834			.2				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

PSYCHROMETRIC SUMMARY

277 TORREJON AB SP STATION NAME

73-01

YEARS

501
MONTH

FORM 0-26-5 (OL A) REVISED BY AD-101 (01-68) USE PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE
 USAFETAC

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
83																				.1	.2							.1						4	4			
82																		.2	.5	.7	.1		.2	.2										7	7			
81																	.2	.5	.7	.1														13	13			
80													.4	.4	.5	.2					.1												14	14				
79												.4	.8	.4																			13	13				
78										.1	1.1	.8	1.2						.4														27	27				
77									.4	1.4	1.1	.6	.5	.5				.5															37	37				
76							.7	.5	1.3	1.6	1.2	.4					.1			.1													52	53				
75			.1			.5	.5	.5	.7	.2	.1																						22	22				
74		.1	.1	.2	1.2	.7	1.4	.8	1.2	.2																							51	51	4			
73	.1	.2	2.9	1.2	2.5	2.6	1.3	.5								.1																	96	96	9	3		
72	.1	.4	1.7	1.1	2.2	1.7	.8	.1																									82	82	38	1		
71	.1	1.1	1.2	1.7	2.4	1.6	1.5	1.4	.2									.2															89	89	76	5		
70	.4	2.2	1.2	1.7	1.1	1.4	1.3	.4	.1																								81	81	94	22		
69	.1	1.3	1.6	2.2	1.4	1.1	.6	.1	.1																								77	77	93	50		
68		.1	1.1	1.4	1.6	2.1	.7	.7	.1																								64	64	93	59		
67	.2	.5	1.9	1.3	.4	.2	.5																										42	42	110	68		
66		.5	1.6	.1	.5	.5																											26	26	99	42		
65	.5	.4	.4	.4	.1	.4																											17	17	83	70		
64	.4	.5	.4	.1	.1																												12	12	68	134		
63		.4	.5	.4	.1	.1																											2	2	28	86		
62			.1	.2	.2																												5	5	18	62		
61			.1																														1	1	13	63		
60																																					5	39
59																																				3	35	
58																																					1	23
57																																					13	
56																																					29	
55																																					19	
54																																					3	
53																																					7	
52																																					5	
51																																					1	
50																																					2	
Element (X)	ΣX^2	ΣX	Σ	σ_s	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
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

0 27 TORREJON AB SP 73-81 OCT 1999-2000

PAGE 2 1999-2000
 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	12.6	12.8	15.1	10.0	6.7	3.1	2.0	.6	.6	.1																				834	837	934

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

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_a	No. Obs.	Mean No. of Hours with Temperature						
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Ref. Num.	2998467	47481	56.9	18.827	834							
Dry Bulb	3184616	51188	61.2	8.347	837			21.1	9.7	1.7		93
Wet Bulb	234545	43583	52.3	5.693	834							93
Dew Point	1688443	36915	44.3	8.088	834		8.7					93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

027
STATION

TOREJON AB SP
STATION NAME

73-81
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		
57 75																																			1	1		
67 71												.1	.1																					2	2			
77 71							.1	.1		.5																								6	6			
87 59							.2	.4		.4		.1								.1														7	7			
97 62					.5	.4	1.3	.7							.1				.1															13	13			
107 60	.2		.4	1.3	1.3	2.5	1.4	.4	.2																										65	66	3	2
117 51	.1	.4	1.8	.5	1.4	2.3	.6	.1																										60	61	9	1	
127 59		.6	1.9	.7	2.2	.5	.8	.1																										57	57	22	3	
137 57	1.2	3.7	.8	1.6	2.1	1.0	.4	.1																										90	90	50	23	
147 55		2.4	1.3	2.3	1.7	1.3	.6	.7																										96	88	80	32	
157 53	.2	3.1	2.6	1.7	3.0	1.2	.5																											103	103	87	62	
167 51	.2	2.8	4.0	1.9	1.2	1.4	.5																											100	100	96	48	
177 49	.1	1.1	2.5	1.1	1.1	.2																												50	50	102	42	
187 47		1.6	2.6	1.2	1.4	.5																												51	51	95	71	
197 45	.1	2.6	2.1	1.1	1.1	.2																												58	58	98	124	
207 42		1.4	.5	.5	.8																													27	27	65	92	
217 41			.8	.4	.1																													11	11	51	58	
227 39			.2	.2																														4	4	29	72	
237 37		.2	.1	.1																														4	4	15	52	
247 35	.2	.1																																5	5	13	29	
257 33																																					5	26
267 31																																					2	29
277 29																																						26
287 27																																					19	
297 25																																					7	
307 23																																					11	
317 21																																					4	
TOTAL	8.3	20.2	21.8	14.9	18.1	13.1	6.7	2.2	.6	.1																								833	837	833		

Element (X)	ΣX'	ΣX	X	X̄	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	492064	56622	68.0	17.100	833	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2545104	45766	54.7	6.721	837			3.2	.3			93
Wet Bulb	2029759	40819	49.0	5.958	833		.2					93
Dew Point	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

0 27 10RREJDN AB SP 73-81 GCI MONTH YEARS

PAGE 2 ALL HOURS 5, 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	De-Point												
TOTAL	4.2	19.3	18.5	15.8	12.5	9.2	7.8	4.9	3.6	1.8	1.4	.4	.2	.1	.1			5673	5673	5673			5673										
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																						
Rel. Hum.	51664673	440931	66.1	19.547	6673	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																						
Dry Bulb	21747279	375855	56.1	9.854	6673		3.0	100.8	43.0	11.1		744																					
Wet Bulb	16764275	331134	49.6	7.063	6673		9.1	.1				744																					
Dew Point	13110641	290869	43.6	8.246	6673		74.4					744																					

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 TORREJON AB SP STATION NAME

73-81 YEARS

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													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	37														
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)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5183368	63352	78.8	13.6	14	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1526214	34514	42.6	6.8	15		7.1					90
Wet Bulb	1315416	32204	39.8	6.5	15		13.9					90
Dew Point	1109551	29282	36.2	7.9	15		30.4					90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

27 TORREJON AFB SP STATION NAME

73-81 YEARS

YEARS

PAGE 1

409

14-0500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		Wet Bulb	Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.			Dry Bulb	
59																																		1	1		
57																																		3	3		
55				.9	.6	.7																												21	21		
53			2.6	1.1	.4	.2	.1																											36	36		
51		.4	1.5	.5	.4	.2	.1																											25	25		
49		.1	1.4	.1	.5	.1																												15	18		
47	1.1	2.1	.6	.5	.1	.2	.2																											39	39		
45	.7	4.2	2.9	2.1	.5	.2																												66	66		
43	1.2	5.3	2.5	1.1	.9	.2																												96	96		
41	.5	5.2	3.2	1.6	.1																													91	91		
39	1.1	5.2	2.9	1.1	.1																													83	83		
37	1.7	2.2	2.4	.6																														72	72		
35	.4	4.7	2.7	.1																														64	64		
33	.1	3.1	2.4	.1																														46	46		
31		3.3	1.7	.5																														39	39		
29		5.3	.4	.1																														47	47		
27	1.1	2.1																																26	29		
25	.2	1.1																																12	12		
23	.1	.4																																4	4		
21																																					
19																																					
17																																					
15																																					
TOTAL	1.1	251.9	223.0	10.2	2.4	1.4	.4																											376	376		

Element (X)	ΣX^2	ΣX	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	5435244	65338	81.113	126	839							92
Wet Bulb	1364942	32706	40.4	7.269	839		14.4					92
Dew Point	1206478	30662	38.1	6.916	836		21.2					92
	1020320	28252	34.8	8.039	826		36.4					92

FORM 0-26-5 (OLA) 14 JUL 64
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

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

PSYCHROMETRIC SUMMARY

STATION TURREJON AFB SP STATION NAME

73-01

YEARS

DATE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB W B	Dr. Bulb	W. Bulb	R. Bulb	Total		
47																																							
48													.1																										
49							.1			.1																													
50			.5	.5	.5																																		
51	.1	2.1	1.1	.4						.1																													
52	.4	1.2	.5	.2	.5																																		
53	.1	.9	.2	.5	.1																																		
54	.9	2.5	.5	.5	.2																																		
55	.9	4.0	1.9	1.5	.1	.1																																	
56	1.2	4.1	.9	1.6	.5	.2																																	
57	.2	3.3	1.1	2.3																																			
58	1.9	5.1	3.6	.9	.2																																		
59	4.4	4.1	2.3	.9																																			
60	.5	5.4	3.1	.1																																			
61	.5	4.4	2.3																																				
62	.1	2.5	.6	.1																																			
63	.4	5.7	.7																																				
64	1.7	4.1																																					
65	.4	1.7																																					
66	.1	.9																																					
67	.1																																						
68																																							
69																																							
70																																							
71																																							
72																																							
73																																							
74																																							
75	1.0	1.5	4.3	3.6	4.4	9.4	2.2	.6	.1	.1																													
TOTAL																																							

USAFETAC FORM 0.26.5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F
Rel. Hum.	55727.2	56478	82.212	6.86	839						
Dry Bulb	1295377	31831	39.1	7.447	813			17.7			
Wet Bulb	1142.59	29855	36.9	7.558	839			25.3			
Dew Point	77317	27347	33.8	8.591	839			42.5			

PSYCHROMETRIC SUMMARY

STATION 27 IDRODUN AS SP STATION NAME 73-81 YEARS MONTH NOV
 PAGE 1 0700-1100 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					
47-55					.4			.1		.2																						1	1				
47-59			.4			.4		.1		.2																						9	9				
47-57		.1	.6	.7	.7	.2																										20	20				
57-55		1.2	1.1	.7	.5	.4	.1																									33	33				
47-53	.2	1.3	2.3	1.7	1.1	.5	.2																									57	57				
47-51	.7	1.7	2.2	1.9	.9	.1	.2																										51	51			
47-49	.4	1.5	1.1	.2	.7	.5																											36	36			
47-47	.2	2.8	2.8	1.6	.9	.2																											73	73			
47-45	1.6	5.3	2.8	2.6	2.1	.5																											126	126			
47-43	1.6	3.1	2.3	2.3	.2																												51	51			
47-41	.4	3.7	3.1	1.7	.1																												72	72			
47-39	1.2	3.3	3.2	1.4	.2																												75	75			
47-37	1.1	2.5	2.5	.7																													50	50			
47-35		3.1	1.9	.1																													42	42			
47-33	.4	2.3	1.2	.1																													33	33			
47-31		1.4	.2	.1																													11	11			
47-29	.2	1.7	.1																														17	17			
47-27	.7	.6																															8	8			
47-25	.1	.7																															7	7			
47-23																																			1	1	
47-21																																					
47-19																																					
47-17																																					
TOTAL	.935 .647 .716 .3 8.2 2.6 1.0																																	810	810	810	

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

Element (X)	Σ X'	Σ X	Σ	%	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	435169	52159	76.714	9.19	810	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	1331631	35581	44.3	7.222	810		4.8					90
Wet Bulb	1395594	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

STATION 27 TORREJON AB SP STATION NAME 73-01 YEARS NOV MONTH
 PAGE 1 1870-2000 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 / 69																		.2														2	2									
1 / 67																			.1														1	1								
6 / 65								.1											.6														6	6								
4 / 63						.1		.7											.6														23	23								
1 / 61					.1	1.1	1.5	.6											.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																											62	62		12				
1 / 53	.1	1.6	2.2	2.2	2.2	1.7	.2	.1																												63	63		54			
2 / 51	.4	2.3	3.0	3.0	2.1	.6	.6																														94	94		70		
5 / 49	.2	.9	2.2	1.0	.9	.5	.5																														50	50		95		
1 / 47	.1	1.6	2.8	2.6	1.2	1.2	.2																														76	76		97		
4 / 45	.4	3.3	3.0	4.1	2.3	.4																															109	109		95		
4 / 43	.1	2.3	1.7	1.9	.7	.2																															54	54		102		
2 / 41		1.5	2.7	1.7	.6																																53	53		68		
1 / 39		1.5	1.2	.2	.2																																27	27		79		
7 / 37	.2	.7	.7	.4	.1																																18	18		64		
1 / 35		.4	.6	.1	.1																																9	9		39		
3 / 33		.2	.1	.1																																	4	4		19		
1 / 31																																							6	6		38
1 / 29																																							3	52		
1 / 27																																							1	45		
1 / 25																																								1	45	
1 / 23																																								1	45	
2 / 21																																								3	17	
1 / 19																																								1	17	
1 / 17																																								1	17	
1 / 15																																								3	17	
TOTAL		1.7	18.5	22.8	22.0	15.6	11.4	5.7	1.4	.7	.2																												810	810		810

Element (X)	$\Sigma X'$	ΣX	\bar{X}	s_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	7.620	810	20.0						90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 027 TORREJON AB SP STATION NAME 73-81 YEARS MONTH NOV

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			
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	20	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	69			
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	3.29	8.17	7.9	9	3.2	1.2	.1																				809	809	679	819			

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

Element (X)	Σx'	Σx ²	Σx	Σx ²	No. Obs.	Mean No. of Hours with Temperature					Total
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	
Dry Bulb	1663155	36373	74.5	14.840	809		2.3				90
Wet Bulb	1407377	33391	41.3	6.010	809		7.6				90
Dew Point	1143766	29794	36.8	7.605	809		26.7				90

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

271 TORREJON AB SP STATION NAME

73-61 YEARS

404 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		
7/ 69																																				25	25		
5/ 67																																				22	22		
6/ 65																																				59	59		
4/ 63																																				27	27		
7/ 61																																				171	171		
7/ 59																																				216	213		
7/ 57																																				268	268		
5/ 55																																				399	399		
4/ 53																																				454	454		
7/ 51																																				435	434		
5/ 49																																				261	261		
7/ 47																																				452	452		
7/ 45																																				306	305		
4/ 43																																				525	525		
2/ 41																																				421	421		
7/ 39																																				437	437		
2/ 37																																				342	342		
7/ 35																																				301	301		
34/ 33																																				205	205		
7/ 31																																				121	121		
7/ 29																																				150	150		
7/ 27																																				94	94		
7/ 25																																				34	34		
7/ 23																																				12	12		
2/ 21																																				1	1		
7/ 19																																							
7/ 17																																							
7/ 15																																							
7/ 13																																							
TOTAL																																						5475	6472

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	35361653	464221	71.7	17.860	6472	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	14640576	32024	46.6	9.258	6475		46.3	7.6	1.3			7.0
Wet Bulb	11564233	272969	42.2	7.367	6472		79.2					72.0
Dew Point	9312608	239878	37.1	8.074	6472		216.7					72.0

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

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 27 TORREJON AB SP STATION NAME: 73-61 YEARS: DEC
 MONTH: DEC
 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			
2 / 55		1.4	.4	.5																															12	19	7	-2	
/ 53	.4	2.3	1.6	.1																															36	35	22	14	
/ 51	.6	2.4	1.2	.1																															36	35	30	20	
/ 49	.2	2.2	1.4	.2	.1																														35	35	40	27	
2 / 47	.4	4.9	1.4	.6																															61	61	38	30	
/ 45	.7	5.6	1.9	.7	.1																														84	84	73	80	
4 / 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	
3 / 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	
2 / 27	1.2	3.1	.8																																43	43	54	82	
/ 25	.2	.8																																	9	9	31	60	
/ 23	.1	.1																																	2	2	15	26	
2 / 21																																						25	
/ 19																																						13	
/ 17																																						14	
1 / 15																																						3	
/ 13																																						4	
1 / 11																																						6	
TOTAL	7.6	65.3	24.7	6.8	.5																															837	837	837	937

USAFETAC FORM 0-26-5 (OL A) 1-64 REVISED THROUGH EDITIONS OF THE NOAA AIR OBSERVER

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ^2	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	1																
57		.6		.1	.1	.1												8	9																
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	.5	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	4.6	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)	$\Sigma X'$	ΣX	\bar{X}	s_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	5898732	69672	83.2	10.894	837		23.6					93
W- Bulb	1318969	32455	38.8	8.528	837		32.6					93
Dew Point	1194355	30817	36.8	8.454	837		43.3					93
	145881	28431	34.7	9.791	837							93

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 127 IDREJON AB SP STATION NAME: 73-81 YEARS: DEC MONTH: 2670-0800
 PAGE 1 HOURS: 2670-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	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		19		
1 / 47		.7	3.2	.4	.1																													37	37		37		
1 / 45	1.4	8.8	1.7	.1																													101	101		86			
4 / 43	1.2	3.7	1.4	.4																														56	56		46		
2 / 41	.2	4.7	.1	.1																														43	43		50		
1 / 39	.4	5.3	1.2	.5																															61	61		46	
1 / 37	.7	3.3	2.9	.1																															59	59		53	
1 / 35	.4	5.0	1.4	.1	.1																														59	59		44	
2 / 33	.2	3.6	1.7	.7																															52	52		42	
1 / 31		2.2	1.4	.2	.2																														34	34		22	
1 / 29	.5	7.2	.1	.4																															68	68		55	
1 / 27	1.8	5.4	.8	.4																															70	70		77	
1 / 25	.7	5.7	.1																																	55	55		62
1 / 23	.5	3.0																																	29	29		50	
2 / 21	.3																																		5	5		51	
1 / 19	.1	.1																																	2	2		38	
1 / 17		.2																																	2	2		21	
1 / 15																																					1	6	
1 / 13																																						1	7
1 / 11																																						8	8
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)	ΣX^2	ΣX	\bar{X}	σ_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	
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	68														
64	.7	6.1	1.8	.5														76	76	66	68														
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 _x '	Z _x	X	X _s	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5754	395	68695	62.111	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	14382	4	34.03	40.6	8.203	837		16.0				93
Wet Bulb	12871	5	32125	38.4	8.045	837		23.6				93
Dew Point	11170	5	29583	35.3	9.246	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					.7	.2		.1	.1								.1			1	1														
57-52						.2														12	12														
57-51			.2	.1			.7												9	9															
57-50		.2	.6	.1	.6	.8													20	22															
57-49		1.0	1.4	1.8	.7	.7	.1	.1											49	49	12														
57-55		.6	2.3	1.6	1.4	1.3	.4												63	63	14														
57-53		1.4	1.9	1.6	1.7	1.2													65	65	24	13													
57-51	1.1	2.1	3.3	1.3	3.1	.6	.1	.1											97	97	74	28													
57-49	.4	1.1	2.2	1.1	1.3	.5													54	54	69	36													
57-47	.2	2.2	3.6	3.2	1.3	.7	.2												99	99	92	42													
57-45	.5	4.1	4.2	4.1	2.8	.5	.5												138	138	97	63													
57-43	.2	2.9	2.6	2.4	.7	.1	.4												77	77	122	41													
57-41	.2	2.8	3.1	1.6	.1		.1												66	67	109	72													
57-39	.9	2.3	1.3	1.4	.5	.1													52	52	92	88													
57-37	.4	1.2	.6	.2	.1														23	23	77	97													
57-35		.6	.5	.4															12	12	46	88													
57-33																						26	55												
57-31				.1															1	1	12	37													
57-29																						6	37												
57-27																						1	45												
57-25																												15							
57-23																												11							
57-21																												5							
57-19																												5							
57-17																												5							
57-15																												4							
57-13																												2							
57-11																												2							
TOTAL		3.922	5.28	1.21	.714	.5	6.6	2.6	.4	.1										936	437	836	836												

Element (X)	Z ₁	Z _x	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F		= 93 F
Dry Bulb	43262.9	5362.1	70.1	6.71	836							93
Wet Bulb	19822.4	4040.8	48.3	6.13	836			1				93
Dew Point	12833.6	3224.0	38.3	8.14	836		19.2					93

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

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

STATION 27 TORREJON AFB GP STATION NAME 73-01 YEARS DEC
 PAGE 1 1950-1952
HOURS 1 5 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ 67																							.2							2	2				
/ 69								.2					.1	.1															4	4					
/ 53					.3	.2	.4	.1	1.1																			22	22						
/ 51		.1	.4	.4	.4	.5	.7	.1	.2																			23	23						
/ 49		.2	.4	1.2	1.9	1.2	1.8	.1																				57	57		1				
/ 57		.7	2.3	1.2		1.8	.8	.2																				57	57	15	1				
5 / 55		1.2	1.8	2.9	1.1	.7	.2																					66	66	21	4				
/ 53		1.9	1.6	2.5	4.7	1.8	.4	.1																				124	124	48	14				
/ 51	.5	.7	4.9	2.7	4.4	1.8	.5	.1																				126	126	65	45				
/ 47		1.9	1.2	2.2	2.5	.8	.2	.1																				75	75	95	33				
/ 47	.1	1.0	2.3	2.9	1.4	.7	.4																					78	78	99	50				
/ 45	.2	3.4	3.3	3.2	2.4	1.2	.1																					125	125	114	62				
4 / 43	.1	1.4	1.7	.4	.6	.1	.2																					32	32	133	61				
2 / 41		1.5	.8	.6	1.7	.1	.1																					38	38	125	68				
/ 37		1.1	.7	.2	.7																							19	19	43	88				
/ 37		.1	.1		.1																							3	3	53	107				
/ 35		.5	.1																									5	5	15	87				
/ 33	.1																											1	1	18	54				
/ 31																															15	16			
/ 27																															2	30			
/ 27																																45			
/ 25																																19			
/ 25																																9			
2 / 21																																7			
/ 17																																5			
/ 17																																12			
1 / 15																																2			
1 / 11																																2			
/ 7																																3			
TOTAL	1.1	17.4	2.3	19.7	21.7	11.4	5.7	2.0	.6																			837	837	837	837				

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

Element (X)	Z _W	Z _X	X	s _X	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3776614	54408	65.0	16.940	837	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	2214113	42759	51.1	5.953	837						0.2	93
Wet Bulb	1742897	37919	45.3	5.472	837						1.5	93
Dew Point	1310571	32513	38.8	8.156	837						16.4	93

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

27
STATION TORREJUNY AD 5P 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				
62				.1	.1	.2																													4	4				
63				.1	.1	.2																													13	13				
64			.6	.2	.5	.1	.2																												14	14				
65	.1	1.9	1.2	1.1	.4	.6																													43	43	13	4		
66	.1	1.9	2.5	1.3	.2	.1																													57	57	34	13		
67	.4	1.9	3.3	.5	.7	.2																													84	84	33	13		
68	.2	2.5	2.5	.8	.7					.1																									54	54	67	15		
69	.1	3.2	2.7	2.3	.6	.1																													79	79	56	41		
70	.5	7.1	4.8	3.9	1.7	.2	.1																												156	156	76	100		
71	.2	2.7	3.1	2.5	1.1																														83	83	123	57		
72	.1	4.3	4.8	1.4	.2																														90	90	82	65		
73	.1	2.9	3.2	1.1	.2	.1																													65	65	123	61		
74	.1	1.5	2.7	.8	.1																														49	49	74	60		
75	.1	1.1	1.8	1.1	.1	.1																													35	35	64	91		
76		1.2	1.4	.2	.1																														25	25	48	66		
77		.2	.1	.2																															5	5	42	34		
78		.1	.8																																5	5	19	39		
79			.1																																1	1	5	61		
80				.1																																1	1	5	61	
81																																					0	0	27	
82																																						12		
83																																						9		
84																																						5		
85																																						5		
86																																						1		
87																																						2		
88																																						3		
TOTAL		20	33	135	71	80	2	8	4	2	0	2																									637	637	637	

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

FEDERAL BUREAU OF SURVEYING
 CLIMATE DIVISION
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: TORREJUN AB SP STATION NAME: TORREJUN
 YEARS: 1951
 MONTH: DEC
 PAGE: 1
 HOURS: ALL

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. Dry Bulb	Wet Bulb Dew Point																					
/ 57																																								
/ 58						.1	.1			.2																														
/ 59			.1	.1	.1	.1	.1			.2																														
/ 60			.1	.1	.1	.1	.1	.1	.1	.1																														
/ 61			.1	.1	.1	.1	.1	.1	.1	.1	.1																													
/ 62			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																												
/ 63			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																											
/ 64			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																										
/ 65			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																									
/ 66			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																								
/ 67			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																							
/ 68			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																						
/ 69			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																					
/ 70			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																				
/ 71			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																			
/ 72			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																		
/ 73			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 74			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 75			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 76			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 77			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 78			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 79			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 80			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 81			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 82			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 83			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 84			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 85			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 86			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 87			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 88			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 89			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 90			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 91			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 92			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 93			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 94			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 95			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 96			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 97			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 98			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 99			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
/ 100			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1																	
TOTAL			7.7	8.3	8.4	8.5	11.7	6.4	2.6	1.1	.3	.1																												
TOTAL																																								
TOTAL																																								

Element (X)	Σ X'	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature																																	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																												
Ref. Num.	4271322	525571	77.814642		6695																																		
Dry Bulb	12725554	250794	43.18501		6695			95.4																															
Wet Bulb	11134503	267742	40.77984		6695			144.2																															
Dew Point	929712	241752	36.19209		6695			255.1																															

USAFETAC FORM 0-20-5 (OL) (REVISED) BY YOUR EDITING OFFICE OR THIS OFFICE ARE OBSOLETE.

FEDERAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/LMAC

PSYCHROMETRIC SUMMARY

21277 TOURELON 48 SP
 STATION

73-01

YEARS

ALL MONTHS

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	0.8 W.B.	Dry Bulb	Wet Bulb	Dew Point	
1	14																																		3	3	
2	18																																	3	3		
3	22																																	25	25		
4	26																																	125	125		
5	30																																	172	172		
6	34																																	299	299		
7	38																																	392	392		
8	42																																	551	551		
9	46																																	652	652		
10	50																																	855	855		
11	54																																	476	476		
12	58																																	1008	1008		
13	62																																	1545	1545		
14	66																																	1374	1374		
15	70																																	1335	1335		
16	74																																	1504	1504		
17	78																																	1647	1648	2	
18	82																																	1977	1979	23	
19	86																																	2158	2159	145	1
20	90																																	1288	1289	795	1
21	94																																	2357	2357	1896	6
22	98																																	4441	4444	3311	126
23	102																																	3410	3411	3734	421
24	106																																	3127	3127	4101	853
25	110																																	3773	3775	4450	1454
26	114																																	3876	3880	4556	2371
27	118																																	4250	4252	4941	3315
28	122																																	4194	4195	5593	4271
29	126																																	2725	2725	5671	3012
30	130																																	4032	4037	5675	5397
31	134																																	5937	5938	56221	5201
32	138																																	3578	3578	5383	6744
33	142																																	3137	3138	4562	5971
34	146																																	2833	2833	3796	6762
Element (X)	ΣX^2	ΣX	\bar{X}	S_x	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26.5 (OLA) REVISION PREVIOUS EDITIONS OF THIS NUMBER OBSOLETE
 USAFETAC JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAD

PSYCHROMETRIC SUMMARY

27
 STATION ID: DRREJWH Ad SP
 STATION NAME

75-01

YEARS

ALL

PAGE 7

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	.7	.0																													2187	2137	3512	5304																																		
2 / 28	.4	1.3	.9	.2	.7	.2																													1952	1952	2815	4811																																		
3 / 23	.1	1.0	.6	.1	.7	.2																													1489	1489	2433	3573																																		
4 / 21	.4	.6	.3	.4	.7	.2																													787	775	1932	2135																																		
5 / 27	.1	1.1	.2	.0	.7	.2																													1071	1071	1391	3310																																		
6 / 28	.1	.4	.7	.0	.7	.2																													426	426	700	2058																																		
7 / 22	.1	.2	.1	.7	.2																														196	196	347	1567																																		
8 / 21	.1	.1	.7	.2																															76	76	175	983																																		
9 / 19	.1	.1	.7	.2																															22	22	49	517																																		
10 / 17	.1	.7	.2																																12	12	22	310																																		
11 / 15																																					1	1	1	45																																
12 / 11																																						1	1	1	58																															
13 / 7																																							1	1	1	39																														
14 / 6																																								1	1	1	6																													
TOTAL		.521	.917	.912	.5	.9	.8	3.1	5.7	4.6	3.9	2.9	2.5	1.7	1.4	1.4	1.0	.6	.6																75722		75692		75692																																	
																																		.78692		.75692																																				

Element (X)	ΣX ²	ΣX	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	
Rel. Hum.	3437122241	4921223	62.522	18	78692						
Dry Bulb	255561141	4437609	56.715	446	78722	397.0	1995.3	1398.4	804.9	113.5	8762
Wet Bulb	190427067	3789781	48.210	370	78692	630.5	107.3	.2			8762
Dew Point	13961024	3233538	41.19	261	78692	1538.0	.2				8762

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

2

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL METEOROLOGICAL SERVICE/WAC

MEANS AND STANDARD DEVIATIONS

DAILY-MEAN TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
REF	CLAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A	
-12	-	MEAN	58.1	58.1	45.4	46.5	52.3	60.4	67.6	66.1	61.3	51.5	42.6	48.3	52.1
		S.D.	7.203	6.985	6.598	5.772	6.236	6.859	6.118	5.674	6.891	6.741	6.815	7.576	12.385
		TOTAL OBS	637	762	637	707	636	610	637	637	637	637	611	637	9874
-	-	MEAN	38.4	38.2	41.6	42.9	43.5	55.8	61.9	62.9	57.1	49.5	42.4	37.8	47.8
		S.D.	7.095	7.411	6.576	6.862	6.222	5.461	5.603	5.436	6.355	6.902	7.269	6.573	11.392
		TOTAL OBS	636	761	636	728	637	639	637	636	637	809	637	637	9777
-1	-	MEAN	38.1	37.1	38.9	42.4	46.9	56.7	62.1	61.4	55.2	47.2	39.1	38.1	46.9
		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	637	707	637	609	637	637	610	637	610	637	9647
-11	-	MEAN	58.1	48.6	45.8	51.1	58.7	67.9	75.3	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	7.15	7.222	6.263	14.510
		TOTAL OBS	637	762	637	610	637	610	637	637	611	637	610	637	9661
I-14	-	MEAN	48.4	48.7	54.1	57.9	65.1	75.3	83.5	83.1	75.7	67.6	54.1	48.3	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	637	611	636	610	637	636	611	637	609	637	9651
-7	-	MEAN	58.2	52.4	57.3	60.6	67.8	78.3	87.9	87.6	79.9	66.7	57.5	51.1	66.7
		S.D.	6.165	6.610	7.318	7.076	8.472	8.532	7.775	7.327	8.237	8.254	6.711	5.993	15.214
		TOTAL OBS	637	762	637	610	637	611	637	637	610	637	609	637	9661
-3	-	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	637	610	637	610	637	637	610	637	610	637	9661
1-23	-	MEAN	41.3	42.8	46.8	51.6	57.3	66.4	74.7	73.9	65.9	54.7	46.0	42.2	55.1
		S.D.	6.254	6.232	6.534	5.833	6.723	6.965	6.793	6.318	7.147	6.721	6.372	7.134	13.692
		TOTAL OBS	637	762	637	610	636	611	637	637	611	637	609	637	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	7.061	7.210	6.933	6.656	7.113	6.521	6.299	6.854	15.446
		TOTAL OBS	6674	6695	6695	6332	6693	6478	6696	6694	6677	6696	6476	6696	78722

2

GENERAL CLIMATOLOGY BRANCH
 AF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

ALT-SOLB 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	52.0	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	38.9	39.6	43.6	52.4	54.2	53.7	50.0	44.4	38.9	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	38.0	38.2	41.8	47.2	51.4	57.9	60.5	60.8	58.4	49.5	41.0	38.4	48.1	
-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	48.7	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	58.0	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	45.2	
ALL HOURS	S.D.	7.354	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		TURPEJUN AB SP												73-81
HR	INT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0-2		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
1-2		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
3-4		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	869	837	837	810	834	809	877	9540
5-6		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
7-8		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.	6.988	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
9-10		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
11-12		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
13-23		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		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	8.427	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
1-11	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-21	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
1-31	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
2-1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
2-11	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
2-21	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
2-31	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
3-1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
3-11	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
3-21	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
3-31	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
4-1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
4-11	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
4-21	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
4-31	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
5-1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
5-11	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
5-21	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
5-31	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	1

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

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%		
	-2	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	-1	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	0	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	1	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	2	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	3	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	4	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	5	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	6	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	7	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	8	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	9	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	10	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	11	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
	12	100.0	100.0	100.0	99.0	97.0	95.0	90.0	80.0	60.0		
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			9.9	6.0	3.9	2.5	1.6	1.0	0.7			

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											

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 APPLICATIONS CENTER

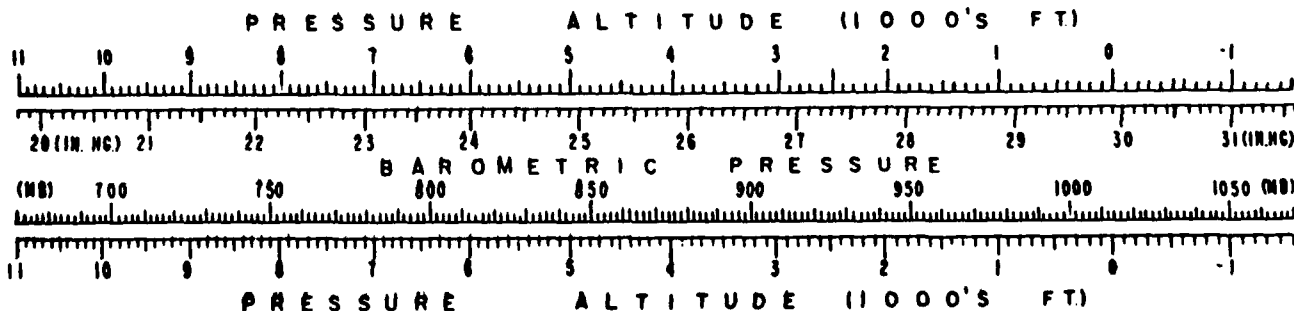
PART F PRESSURE SUMMARY

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

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

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. 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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NATIONAL CLIMATOLOGY BRANCH
WASH DC
U.S. WEATHER SERVICE/MAO

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION NO. 73-01

73-01

STATION NAME	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. AVE.	
HR. 01	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	27.95	27.95
	S.D.	.230	.234	.201	.188	.128	.100	.094	.082	.107	.174	.178	.204	.179	
	TOTAL OBS	27	254	279	27	278	270	279	279	279	27	279	270	279	3285
HR. 02	MEAN	27.27	27.95	27.93	27.80	27.88	27.94	27.96	27.95	27.99	27.96	28.07	27.98	27.96	27.96
	S.D.	.230	.235	.202	.175	.131	.102	.094	.081	.114	.177	.179	.204	.181	
	TOTAL OBS	27	254	279	27	278	270	279	279	27	279	270	279	3285	
HR. 03	MEAN	27.15	27.93	27.91	27.86	27.88	27.95	27.97	27.96	27.99	27.95	28.06	27.97	27.95	27.95
	S.D.	.231	.240	.203	.180	.133	.103	.098	.083	.110	.180	.180	.200	.184	
	TOTAL OBS	27	254	279	27	279	27	279	279	27	279	270	279	3274	
HR. 04	MEAN	27.03	27.54	27.94	27.89	27.90	27.97	27.99	27.98	28.21	27.77	28.08	27.99	27.99	27.99
	S.D.	.230	.246	.205	.177	.134	.103	.097	.084	.110	.163	.183	.204	.185	
	TOTAL OBS	27	254	279	27	279	270	279	279	27	279	270	279	3297	
HR. 05	MEAN	27.05	27.96	27.94	27.85	27.90	27.95	27.97	27.97	28.19	27.96	28.09	27.98	27.98	27.98
	S.D.	.233	.245	.204	.187	.131	.100	.094	.081	.112	.179	.183	.207	.184	
	TOTAL OBS	27	254	279	27	279	273	279	278	27	279	270	279	3286	
HR. 06	MEAN	27.00	27.92	27.91	27.85	27.87	27.92	27.93	27.93	27.97	27.94	28.04	27.97	27.97	27.97
	S.D.	.220	.238	.200	.182	.126	.097	.092	.079	.100	.173	.179	.201	.174	
	TOTAL OBS	27	254	279	27	279	274	279	279	27	279	270	279	3287	
HR. 07	MEAN	27.98	27.91	27.88	27.83	27.84	27.89	27.90	27.91	27.94	27.92	28.04	27.96	27.97	27.97
	S.D.	.221	.232	.197	.149	.122	.096	.091	.078	.103	.169	.178	.208	.177	
	TOTAL OBS	27	254	279	27	279	274	279	279	27	279	270	279	3287	
HR. 08	MEAN	27.02	27.94	27.91	27.86	27.86	27.91	27.92	27.92	27.97	27.95	28.06	27.98	27.94	27.94
	S.D.	.221	.230	.195	.180	.121	.096	.090	.080	.110	.169	.179	.200	.177	
	TOTAL OBS	27	254	279	27	279	274	279	279	27	279	270	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	28.06	27.98	27.95	27.95
	S.D.	.221	.238	.202	.185	.129	.102	.097	.085	.112	.176	.180	.203	.182	
	TOTAL OBS	234	2032	232	212	2231	2164	2232	2231	2160	2232	2160	2231	2645	

DATE
LIMED
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