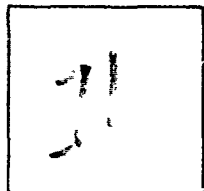


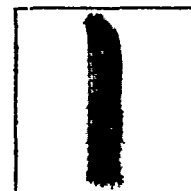
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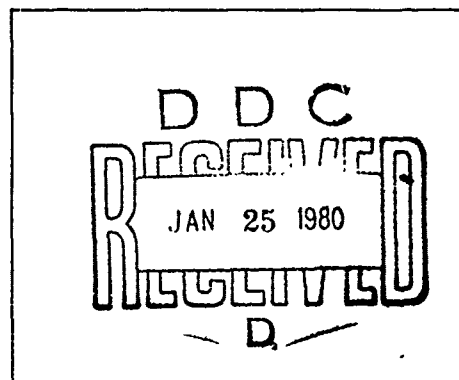
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Air Weather Service (MAC)**

MA029831

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

STATION AND SUFFIX NUMBER: 1520 1520
NO. OF MONTHS: 26 JULY 1954 TO 1520 1520

PARIS 1520

FOR AERIAL ROUTING USE: 1520 1520
FOR PROBABLY USE: 1520 1520

OCT 03 1978

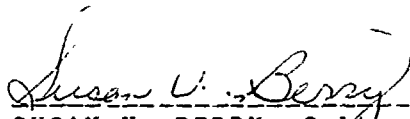
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SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
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FOR THE COMMANDER



WALTER S. BURMANN
Scientific & Technical
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1 REPORT NUMBER	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER
USAFETAC/DS- 79/112		
4 TITLE (and Subtitle)		5 TYPE OF REPORT & PERIOD COVERED
Revised Uniform Summary of Surface Weather Observations (RUSSWO)- TORREJON AB, MADRID, SPAIN		Final rept.
		6 PERFORMING ORG. REPORT NUMBER
7 AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS		10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		
11 CONTROLLING OFFICE NAME AND ADDRESS		12 REPORT DATE
USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		3 OCT 78
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		15a DECLASSIFICATION DOWNGRADING SCHEDULE
16 DISTRIBUTION STATEMENT (of this Report)		
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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 temperature	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, MADRID, SPAIN.		
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))		

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

* SPAIN

* TORREJON AB, SP

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 occurrence tables. ↗

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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 ON SUMMARY		STATION NAME		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WHO NUMBER	
14011		TORREJON AB SPAIN/MADRID		N 40 29 W 003 28		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 BARD.	
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 28	2004	2000	24
3	Same	Same	Jan 71	Feb 78	Same	Same	1994	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Oct 57	Located on top of control tower.	AN/GMO-11	RO-2	N/A	
2	Jun 58	Located at approach zone runway 23, 500 ft W of runway.	Same	Same	13 ft	
3	Mar 59	Located 500 ft from centerline, 1000 ft in from end of runway 23/05.	Same	Same	Same	
4	Mar 60	Located 500 ft from centerline, 1500 ft from end of runway 23.	Same	Same	11 ft	
5	Jun 61	Located N of Base Operations across the runway complex.	Same	Same	13 ft	
6	Mar 62	Located 715 ft from centerline, 1810 ft from approach end ILS runway.	Same	Same	Same	
7	Mar 65	Located 1775 ft SW and 695 ft NW of end of runway 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	
8	Oct 70	Located 600 ft NW of centerline, 2700 ft from end of runway 23.	GMQ-20	Same	
	Feb 78		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 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 recip.

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-WEAN 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 obstruction 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.

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WEATHER CONDITIONS

14011 STATION T. R. R. C. T. A. S. P. A. I. N. / M. A. D. S. I. D. STATION NAME 9-78 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		10.4	.2	.5		11.2	11.9	3.9			15.8	930
	03-05		10.9	.2	.9		11.7	11.6	4.3			15.9	930
	06-08		9.4	.2	1.1		10.4	16.3	4.5			20.9	930
	09-11		6.8	.1	.8		7.6	17.2	7.8			25.0	929
	12-14		6.7		.6		7.3	9.9	5.8			15.7	930
	15-17		6.7		.5		9.2	7.6	5.5			13.1	930
	18-20		11.6		1.0		12.0	7.1	7.8			14.9	930
	21-23		10.8	.1	.6		11.5	10.2	4.3			14.5	930
TOTALS			9.4	.1	.9		10.1	11.5	5.5			17.0	7439

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 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14011 STATION T. BUREJON A3 SPAIN/MADRID STATION NAME 19-75 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		7.0				7.0	4.5	1.2			5.7	846
	03-05		9.5		.2		9.7	5.2	1.4			6.6	846
	06-08		10.6		.5		10.9	7.8	3.1			10.9	846
	09-11		9.6		.2		9.6	7.8	7.4			15.2	846
	12-14		4.5		.4		8.7	4.3	3.7			7.9	846
	15-17	.4	7.3		.4		7.6	1.5	1.7			3.2	846
	18-20	.4	5.8				5.8	1.3	1.5			2.8	846
	21-23		7.1				7.1	1.4	.7			2.1	846
TOTALS		.1	4.2		.2		8.3	4.2	2.6			6.8	6758

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WEATHER CONDITIONS

14011 STATION TURRETTA AP SPAIN/MADRID STATION NAME 68-77 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL Obs.
MAR	00-02		7.3		.3		7.6	1.8	.3			2.2	930
	03-05		7.3		.6		8.0	1.9	.4			2.4	930
	06-08		6.3		.6		7.0	5.9	3.8			9.7	930
	09-11		5.5		.8		6.2	4.5	5.6			11.1	930
	12-14	.2	5.2		.6		6.9	.6	2.3			2.9	930
	15-17	.5	5.8		.8		7.5	.3	.9			1.2	930
	18-20	.3	5.9		.3		8.3	.3	.4			.8	930
	21-23	.2	7.6		.2		8.1	.4	.4			.9	930
TOTALS		.2	6.9		.5		7.5	2.0	1.9			3.9	7440

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AIR WEATHER SERVICE/ETAC

WEATHER CONDITIONS

14011 STATION TURRETTON AB SPAIN/PADRID STATION NAME 08-77 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.4	7.2				7.2	.2	.5			.7	819
	03-05	.2	5.9				5.9	1.0	1.9			2.9	833
	06-08		6.2				6.2	4.1	6.7			10.8	899
	09-11		6.3				6.3	2.6	3.6			6.1	900
	12-14	.7	7.3			.2	7.6	.3	.4			.8	900
	15-17	1.3	8.2			.1	8.3		.1			.1	900
	18-20	1.2	7.0		.2		7.1	.2	.2			.4	900
	21-23	.1	7.0				7.0		.1			.1	900
TOTALS		.5	6.9		.0	.0	7.0	1.1	1.7			2.7	7051

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 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

14011 STATION TURKEY AR SPAIN/MADRID STATION NAME 68-77 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.4	4.7				4.7						929
	03-05	.3	5.0				5.0	1.1	.6			1.7	929
	06-08	.1	5.9				5.9	2.8	4.2			7.0	930
	09-11		5.5				5.5	.6	2.0			2.8	929
	12-14	.8	6.8				6.8	.1	.1			.2	930
	15-17	2.2	7.3				7.3						930
	18-20	1.5	6.3		.1		6.5	.1	.2			.3	930
	21-23	.2	5.6				5.6						929
TOTALS		.4	5.9		.0		5.9	.6	.9			1.5	7436

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WEATHER CONDITIONS

14011 STATION TERRON AB SPAIN/MADRID 68-77 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.8	3.3				3.3	.2				.2	900
	03-05	.6	2.4				2.4	1.0	.9			1.9	900
	06-08	.1	2.1				2.1	3.2	2.9			6.1	900
	09-11	.3	3.0				3.0	1.1	1.3			2.4	900
	12-14	2.4	4.4				4.4	.2				.2	900
	15-17	4.4	5.8				5.8		.1			.1	900
	16-20	3.6	4.1				4.1						900
	21-23	1.2	4.3			.1	4.4				.1	.1	900
TOTALS		1.8	3.7			.0	3.7	.7	.7		.0	1.4	7200

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USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME 08-77 YEARS MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.5	1.5				1.5	.1				.1	930
	03-05	1.4	1.1				1.1		.4			.4	930
	06-08	1.0	.5				.5		1.5			1.5	929
	09-11	.6	.6			.1	.8		.6			.6	930
	12-14	.3	.2				.2						929
	15-17	1.1	1.5				1.5				.1	.1	930
	18-20	1.9	1.4				1.4						930
	21-23	2.9	2.8				2.8				.1	.1	930
TOTALS		1.3	1.2			.0	1.2	.0	.3		.0	.4	7438

WEATHER CONDITIONS

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14011 STATION TURREJON AP SPAIN/MADRID YEARS 68-77 AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG.	00-02	1.0	.9				.9		.3			.3	930
	03-05	.5	.6				.6		.4			.4	930
	06-08	.4	1.5				1.5	1.0	2.4			3.3	930
	09-11	.3	1.1				1.1	.1	1.2			1.3	930
	12-14	1.6	1.2				1.2						930
	15-17	1.8	2.0				2.0						930
	18-20	1.7	1.9				1.9						930
	21-23	1.4	1.5				1.5						930
TOTALS		1.1	1.3				1.3	.1	.5			.7	7440

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WEATHER CONDITIONS

14011 STATION

TURKEY AP SPAIN/MAJORLY

08-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.4	2.8				2.6	.3	.3			.7	900
	03-05	.6	2.7				2.7	.6	.9			1.4	900
	06-08	.4	3.9				3.9	3.0	3.2			6.2	900
	09-11	.2	3.3				3.3	1.0	2.7			3.7	900
	12-14	.7	2.7				2.7	.1	.2			.3	900
	15-17	1.4	2.2				2.2	.1				.1	900
	18-20	.7	1.8				1.8	.2				.2	900
	21-23	.4	2.0				2.0		.1			.1	900
TOTALS		.9	2.7				2.7	.7	.9			1.6	7200

WEATHER CONDITIONS

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14011 STATION TURRREDO AB SPAIN/MADRID STATION NAME 68-77 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		4.6				4.8	.6	.5			1.2	930
	03-05		5.7				5.7	1.9	.5		.1	2.6	930
	06-08	.1	4.9				4.9	5.3	3.8			9.0	930
	09-11		4.7				4.7	2.0	6.5			8.5	930
	12-14	.2	5.8				5.8	.1	.5			.6	930
	15-17	.6	5.2				5.2		.5			.5	930
	18-20	.3	6.0				6.0	.2	.9			1.1	930
	21-23	.2	6.0				6.0	.4	.1			.5	930
TOTALS		.2	5.4				5.4	1.3	1.7		.0	3.0	7440

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/IAC

WEATHER CONDITIONS

14011 STATION TURKEY AIR SPAWN/RADE ID STATION NAME 6-77 YEARS NOV MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		5.7		.1		5.8	7.6	1.7			9.2	900
	03-05		7.3				7.3	9.6	2.1			11.7	899
	06-08		7.6				7.6	14.6	5.3			19.9	900
	09-11	.1	6.9			.1	7.0	13.0	10.3			23.4	899
	12-14		7.9		.1		8.0	6.0	6.1			12.1	900
	15-17	.4	6.4				8.4	3.1	6.1			9.2	900
	18-20		6.9				6.9	4.2	3.8			8.0	900
	21-23		6.4		.2		6.7	5.3	3.2			8.6	900
TOTALS		.1	7.1		.1	.0	7.2	7.9	4.8			12.8	7198

DATA PROCESSING GROUP
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

14011 STATION TURKRUJUN AB SPAIN/MARID STATION NAME 18-77 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		3.4		.9		8.9	12.5	2.7			15.2	930
	03-05		7.6	.1	.9		8.8	11.8	2.2		.1	14.1	930
	06-08		10.0		.6		10.6	14.6	4.2			18.8	930
	09-11	.1	8.1		.1	.1	8.3	17.8	7.4			25.3	930
	12-14		8.1		.2		8.1	10.5	7.5			18.2	930
	15-17		8.4		.3		8.6	9.1	5.7			14.8	930
	18-20		4.6		.3		8.9	8.8	3.1			11.9	930
	21-23		9.5		.4		9.9	9.8	3.7			13.4	930
TOTALS		.2	8.6	.1	.5	.2	9.0	11.9	4.6		.0	16.5	7440

DATA PROCESSING CENTER
 USAF ETAC
 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

14011 STATION TORREJON DE SPAIN/MADRID YEARS 66-70 ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		9.4	.1	.8		10.1	11.5	5.5			17.0	7439
FEB		.1	0.2		.2		8.3	4.2	2.6			6.8	6768
MAR		.2	6.9		.5		7.5	2.0	1.9			3.9	7440
APR		.5	6.9		.0	.0	7.0	1.1	1.7			2.7	7051
MAY		.8	5.9		.0		5.9	.6	.9			1.5	7436
JUN		1.8	3.7			.0	3.7	.7	.7		.0	1.4	7200
JUL		1.3	1.2			.0	1.2	.0	.3		.0	.4	7438
AUG		1.1	1.3				1.3	.1	.5			.7	7440
SEP		.5	2.7				2.7	.7	.9			1.6	7200
OCT		.2	5.4				5.4	1.3	1.7		.0	3.0	7440
NOV		.1	7.1		.1	.0	7.2	7.9	4.8			12.8	7198
DEC		.0	3.6	.0	.5	.0	9.0	11.0	4.6		.0	16.5	7440
TOTALS		.6	5.6	.0	.2	.0	5.8	3.5	2.2		.0	5.7	87490

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 $\frac{5}{8}$ mile.

1
DATA PREPARED BY
USAF ETAC
AIR WEATHER SERVICE/TAC

XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

14011 TUREJ... STATION NAME SPAN/ADVIS... 57-76 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.3	41.2	.8	4.5	.3	41.2	43.9	33.8	.2		54.7	651
FEB		1.7	42.1		4.6	1.0	43.8	24.8	20.9			36.7	592
MAR		2.4	33.8		2.1	.4	39.7	16.6	17.4			26.0	619
APR		6.2	25.8		.8	1.3	36.8	12.8	12.5			20.2	600
MAY		12.7	20.0			1.0	38.0	9.0	7.1			14.2	619
JUN		20.0	24.8			.3	34.8	6.5	6.3			10.3	600
JUL		12.4	16.5			.6	14.5	.3	2.6			2.9	620
AUG		10.0	13.5			.3	13.5	1.0	3.2			3.9	620
SEP		12.3	25.7			1.2	25.7	6.2	5.8			10.2	600
OCT		2.2	35.1		.2	.2	35.0	16.6	13.5			24.0	651
NOV		1.1	20.9		1.0	.5	40.5	31.2	26.7			42.0	629
DEC		.2	30.1	.0	4.2	.2	39.1	39.8	31.2			51.1	650
TOTALS		7.1	23.1	.1	1.4	.6	33.5	17.4	15.1	.0		24.7	7451

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."

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

Continued on Reverse Side

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 47 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

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

I DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

14011 STATION TORREJON AR SPAIN/MADRID STATION NAME 57-78 YEARS

PRECIP. SNOWFALL SNOW- DEPTH	AMOUNTS (INCHES)																PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	TRACE	NONE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN	GREATEST	LEAST					
	TRACE	NONE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4								
JAN	57.7	10.6	3.4	6.3	5.4	11.1	3.4	1.9	.2					31.6	648	1.66	5.20	TRACE			
FEB	54.7	9.6	4.4	7.9	5.2	9.3	5.9	2.7	.2					35.6	592	1.91	4.23	TRACE			
MAR	57.7	15.7	3.9	5.7	3.1	9.2	3.3	1.0	.5					26.6	612	1.43	3.59	TRACE			
APR	61.5	11.4	3.2	6.6	4.5	4.5	5.5	2.2	.5					27.1	595	1.71	3.75	.03			
MAY	60.2	12.7	3.1	7.0	4.4	6.8	3.7	1.8	.3					27.1	616	1.55	4.76	TRACE			
JUN	63.2	13.5	2.5	5.7	5.2	5.9	2.5	1.5						23.2	598	1.12	2.46	.26			
JUL	84.4	6.9	.8	1.8	2.1	2.4	1.0	.3	.3					8.7	620	.50	1.80	.00			
AUG	84.7	6.6	.6	2.4	1.6	1.9	1.3	.6	.2					8.7	620	.52	2.03	.00			
SEP	72.8	8.2	1.5	5.0	2.3	4.3	3.7	1.3	.8					19.0	600	1.34	4.07	TRACE			
OCT	65.6	8.0	1.1	6.3	4.9	6.3	4.7	2.5	.8					26.4	639	2.03	6.21	.00			
NOV	59.5	10.7	2.8	6.6	4.7	6.6	5.2	2.9	1.0					29.8	618	2.25	6.37	TRACE			
DEC	60.1	11.5	3.4	6.7	3.7	7.3	4.3	2.5	.6					28.5	646	1.86	5.58	TRACE			
ANNUAL	65.2	10.4	2.6	5.7	3.9	6.3	3.7	1.8	.4					24.4	7404	17.88					

DATA PROCESSING BRANCH
USAF/ETAC/7L A
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

14011 STATION T R K E J D A 48 SPAIN/HADEJID

57-78 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57	*TRACE	*TRACE	*TRACE	.01*	*TRACE*	.20	TRACE	.27	.48	.00*	*TRACE*	TRACE	1.01
58	.21	.24	.33	.46	1.05	1.00	.17	.38	.82	.78	.59	.51	1.05
59	1.05	.65	.27	.06	.99	.27	.04	.46	.21	1.32	.91	.80	1.32
60	.45	.27	.23	.45	.29	.25	.32	.60	.63	.67	1.04	.40	1.04
61	.75	.70	.42	.96	.66	.34	.00	.00	1.08	.46	1.08	.97	1.08
62	.53	.33	.16	.57	.05	.61	1.27	TRACE	1.03	.50	1.22	1.03	1.27
63	.05	.99	.43	.34	.18	.54	.26	.14	.27	.15	.87	.85	.99
64	.45	.44	.94	.10	.29	.32	.02	.22	1.05	1.56	1.87	.78	1.87
65	.45	.64	.08	.40	.68	.74	.12	TRACE	.46	.84	1.19	.05	1.19
66	.31	.64	.40	.35*	.88	.29	TRACE	.03	.57	.74	.60	.04	.88
67	.26	.52	1.01	1.25	.25	.24	.08	.91	.25	.13	.66	.43	1.25
68	.23	.96	1.56	1.21	.77	.82	.16	.14	.89	.43	.68	.24	1.56
69	.78	.13	.20	.15	.12	.25	.66	.13	TRACE	.56	.46	.15	.79
70	.54	.53	.57	.59	.66	.72	.65	.30	.03	1.29	.09	1.03	1.29
71	.45	.95	1.31	.10	.21	.17	.09	.04	1.87	.95	2.26	.38	2.26
72	.63	.04	.32	.24	1.29	.84	1.63	.40	TRACE	.42	.97	.64	1.63
73	.45	.40	.76	.98	.36	.24	.23	.10	TRACE	.23	.61	.27	.76
74	.66	1.06	.24	.98	.90	.39	.00	.67	.36	TRACE	.29	.25	1.06
75	.24	.85	.21	.53	.55	.64	.37	.83	1.81	.54	.29	1.03	1.81
76	.59	.35	.24	.45	.34	.77	.27	1.16	.30	1.50	.49	.95	1.50
77	.43	.61											
78													
MEAN	.477	.504	.509	.519	.534	.499	.317	.334	.606	.664	.818	.592	1.318
S.D.	.249	.298	.416	.359	.355	.261	.437	.338	.552	.462	.541	.357	.392
TOTAL OBS.	443	592	612	595	516	598	620	620	600	639	618	646	7404

NOTE * (BASED ON LESS THAN FULL MONTHS)

DATA PROCESSING CENTER
USAF/ETAC/OLA
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XXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

14011 STATION TURRET 43 SPAIN/MAJALIV YEARS 57-78

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57	*TRACE	*TRACE*	*TRACE*	.01*	*TRACE*	.74	TRACE	.33	.56	*.00*	*TRACE*	TRACE	* 7.89
58	.49	.29	1.10	1.26	2.97	1.70	.40	.81	2.64	2.43	1.83	2.05	17.94
59	1.99	3.00	1.54	1.14	2.87	.43	.04	.52	.61	6.21	1.71	2.00	21.15
60	1.23	.43	.42	1.21	1.11	.21	.85	.73	1.78	1.56	4.49	1.21	15.33
61	1.37	1.17	2.28	2.85	2.07	.83	.00	.00	1.54	1.44	1.92	2.36	18.33
62	3.00	2.13	.50	3.18	.11	1.70	1.34	TRACE	2.25	.76	6.37	3.76	25.19
63	.30	4.23	1.59	1.05	.48	2.11	.47	.18	.41	.30	1.01	1.79	13.71
64	1.34	1.34	2.91	.21	.49	.34	.04	.29	1.96	4.89	4.41	1.81	20.67
65	2.27	2.84	.08	1.74	1.09	1.18	.16	TRACE	1.09	4.11	2.98	.07	17.65
66	.71	2.33	.58	1.71*	1.46	.49	TRACE	.04	.58	2.12	3.40	.05	*13.47
67	.00	2.50	2.22	3.50	.65	.26	.08	1.16	.66	.24	2.76	1.04	15.25
68	1.05	2.91	3.53	3.27	1.74	1.12	.35	.16	3.24	1.36	1.74	.52	20.99
69	5.20	.21	.32	.19	.42	.54	1.18	.13	TRACE	.67	1.78	.51	11.15
70	2.34	.78	1.41	2.27	4.76	2.46	.89	.30	.03	1.56	.17	2.43	19.40
71	2.38	3.27	2.37	.12	.75	.44	.12	.04	4.07	5.21	3.63	1.59	23.99
72	1.20	.00	.69	.53	2.58	2.11	1.80	.68	TRACE	1.20	1.86	2.08	14.88
73	1.50	1.61	2.99	2.33	.67	.77	.61	.24	TRACE	.53	1.73	.37	13.34
74	1.19	1.99	1.44	3.75	2.25	1.62	.00	1.34	1.51	TRACE	.80	1.36	17.25
75	.46	2.29	.46	2.50	1.95	1.87	1.01	2.03	3.60	2.54	1.21	2.77	22.62
76	2.50	1.74	.65	.63	.98	1.02	.75	1.47	.36	2.96	1.05	3.83	17.94
77	1.52	2.00											
78													
MEAN	1.650	1.911	1.425	1.708	1.552	1.121	.505	.523	1.345	2.029	2.252	1.859	18.158
S.D.	1.102	1.163	1.032	1.238	1.204	.712	.531	.576	1.267	1.803	1.571	1.388	3.830
TOTAL OBS.	649	592	612	595	616	598	620	620	600	639	618	646	7404

NOTE * (BASED ON LESS THAN FULL MONTHS)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

14011 STATION TURREJON AR SPAIN/MADRID STATION NAME 57-73 YEARS

PRECIP. SNOWFALL SNOW- DEPTH	NONE	TRACE	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
			.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST		
			0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	51-120						OVER 120	
JAN	95.4	2.6	1.2	.3	.6											2.0	651	.5	2.8	.0
FEB	95.4	3.0	.5	.3	.3											1.5	593	.6	7.0	.0
MAR	97.7	1.8	.2	.3												.5	620	.1	1.9	.0
APR	99.3	.3	.3													.3	600	TRACE	.2	.0
MAY	99.8	.2															620	TRACE	TRACE	.0
JUN	100.0																600	.0	.0	.0
JUL	100.0																620	.0	.0	.0
AUG	100.0																620	.0	.0	.0
SEP	100.0																600	.0	.0	.0
OCT	100.0																650	.0	.0	.0
NOV	95.0	1.0															630	TRACE	TRACE	.0
DEC	95.7	2.6	.9	.5	.3											1.7	650	.4	3.1	.0
ANNUAL	95.5	1.0	.2	.1	.1	.0										.5	7454	1.6		

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

14011 STATION TURRETTON AE SPAHN/MADRID 57-78 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57	TRACE	TRACE	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE*	.0	.1
58	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
59	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
60	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
61	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1
63	.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
65	TRACE	1.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
67	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.9
68	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.3	.8
70	1.0	TRACE	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	1.5	1.9
71	2.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
72	.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
73	.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.1
74	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
75	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
78	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN	.43	.33	.07	.01	TRACE	.00	.00	.00	.00	.00	TRACE	.27	.87
S.D.	.79	.81	.29	.022	.000	.000	.000	.000	.000	.000	.000	.573	.975
TOTAL OBS.	551	593	620	600	620	600	620	650	600	650	630	650	7454

NOTE * (BASED ON LESS THAN FULL MONTHS)

DATA PROCESSING BRANCH
USAF/ETAC/DLA
AIR WATHER SERVICE/DAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

14011 STATION TORREJON DE SPAIN/VADALID YEARS 57-73

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57	TRACE	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE#	.0	.2
58	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
59	2.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2
60	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
61	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1
62	.0	7.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.4
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
64	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.9
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
66	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2
67	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.1
70	2.0	TRACE	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	3.1	5.1
71	2.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.9
72	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
73	.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.1	1.1
74	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
75	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
78	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN	.51	.56	.10	.01	TRACE	.00	.00	.00	.00	.00	TRACE	.35	1.44
S.D.	.720	1.593	.425	.045	.000	.000	.000	.000	.000	.000	.000	.815	1.992
TOTAL OBS.	451	593	520	600	520	600	620	620	600	650	630	650	7454

NOTE * (BASED ON LESS THAN FULL MONTHS)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION 14011 TORREJON AR SPAIN/MADRID YEARS 57-78

PRECIP. SNOWFALL SNOW DEPTH	NONE	TRACE	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)				
			.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST			
			0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	37.48			49-60	61-120			
			1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120								
JAN	97.1	2.3	.2	.5													.6	651			
FEB	98.7	.2	.3	.5	.2												1.2	593			
MAR	99.7	.3																620			
APR	100.0																	600			
MAY	100.0																	620			
JUN	100.0																	600			
JUL	100.0																	620			
AUG	100.0																	620			
SEP	100.0																	600			
OCT	100.0																	650			
NOV	100.0																	630			
DEC	99.4	.5	.2															650	.2		
ANNUAL	99.6	.3	.1	.1	.0	.0												7454	.2		

DATA PROCESSING DATA CENTER
 USAF/ETAC/DL A
 AIR WEATHER SERVICE/AF

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

14011 STATION T. RAQUIN, AS SPAIN/DAVID 57-78 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57	Trace	0	0	0	0	0	0	0	0	0	0	0	TRACE
58	Trace	0	0	0	0	0	0	0	0	0	0	0	TRACE
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Trace	Trace	0	0	0	0	0	0	0	0	0	0	TRACE
70	Trace	0	0	0	0	0	0	0	0	0	0	0	TRACE
71	Trace	0	Trace	0	0	0	0	0	0	0	0	0	TRACE
72	Trace	0	0	0	0	0	0	0	0	0	0	0	TRACE
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	.2	.2	Trace	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
S.D.	.425	.389	.000	.000	.000	.000	.000	.000	.000	.000	.000	.224	.999
TOTAL OBS.	51	53	620	600	620	600	620	620	600	650	630	650	7454

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 20% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

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

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

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

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

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

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

DATA PROCESSING BRANCH
USAF/ETAC/DLA
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

14011 STATION T. RAEBURN AB, SPAIN/RAE.D.L.A. STATION NAME 57-7B YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57	20	20	44	29	28	28	29	29	25	25	25	25	25
58	31	31	39	39	39	39	39	39	39	39	39	39	39
59	44	44	44	44	44	44	44	44	44	44	44	44	44
60	33	33	33	33	33	33	33	33	33	33	33	33	33
61	40	40	40	40	40	40	40	40	40	40	40	40	40
62	34	34	34	34	34	34	34	34	34	34	34	34	34
63	27	27	27	27	27	27	27	27	27	27	27	27	27
64	31	31	31	31	31	31	31	31	31	31	31	31	31
65	41	41	41	41	41	41	41	41	41	41	41	41	41
66	34	34	34	34	34	34	34	34	34	34	34	34	34
67	44	44	44	44	44	44	44	44	44	44	44	44	44
68	25	25	25	25	25	25	25	25	25	25	25	25	25
69	21	21	21	21	21	21	21	21	21	21	21	21	21
70	26	26	26	26	26	26	26	26	26	26	26	26	26
71	32	32	32	32	32	32	32	32	32	32	32	32	32
72	35	35	35	35	35	35	35	35	35	35	35	35	35
73	29	29	29	29	29	29	29	29	29	29	29	29	29
74	30	30	30	30	30	30	30	30	30	30	30	30	30
75	1	1	1	1	1	1	1	1	1	1	1	1	1
76	5	5	5	5	5	5	5	5	5	5	5	5	5
77	36	36	36	36	36	36	36	36	36	36	36	36	36
78	27	27	27	27	27	27	27	27	27	27	27	27	27
MEAN	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
S.D.	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44
TOTAL OBS.	589	589	589	589	589	589	589	589	589	589	589	589	589

USAF ETAC FORM 0-88-5 (OIA) PLATES * (BASED ON LESS THAN FULL MONTHS) & (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

DATA PROCESSING PLANCH
 ETAC/USAF
 AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

STATION 14011 TARRAGONA, SPAIN/IADEID STATION NAME ALL WEATHER CLASS YEARS 69-78 MONTH JAN HOURS (L.S.T.) 0000-0200

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	.0	.5	.5	.3	.4						5.3	7.0
NNE	3.2	1.0	.0	.2								5.5	3.7
NE	4.4	3.3	.0	.4								8.9	4.0
ENE	3.7	1.6	.2	.2	.3							6.2	4.2
E	1.0	.8										1.7	3.6
ESE	.4	.1										.5	3.0
SE	.1	.1			.1	.2						.5	13.8
SSE	.2	.3	.1									.6	5.0
S	.3	1.4	1.0	.5	.1							3.9	6.9
SSW	.3	1.6	2.6	1.0	.2							6.2	7.6
SW	.0	1.8	2.7	1.0								7.1	8.0
WSW	.6	1.6	1.0	1.3	.1							5.5	8.0
W	.5	1.0	1.0	.0	.2							3.3	7.8
WNW	.4	.2	.1	.1								.9	4.4
NW	.5	.1	.2	.1	.1							1.0	5.4
NNW	.0	.3	.1	.2								1.7	6.5
VAEFL	2.2	.3	1.4	1.0								5.7	7.3
JAM												35.4	
	23.5	16.6	13.2	9.1	1.5							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING CENTER
STAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TURKEY AT SPAIN/PADRID
STATION NAME

69-73
YEARS

JAN
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.6	.1	.1	.3							4.2	7.8
NNE	4.1	1.2	.1	.1	.1							6.5	4.0
NE	4.3	1.6	.5	.5								7.2	4.1
ENE	2.7	.9	.4	.2								4.5	4.6
E	1.7	.3	.1									2.6	3.0
ESE	.4											.4	1.8
SE	.2											.2	5.0
SSE	.4	.2	.1	.1	.1							1.2	6.2
S	1.5	1.5	.3	1.3								4.1	7.1
SSW	1.1	1.4	2.0	1.7	.1							6.9	8.2
SW	1.0	.8	1.7	1.7								5.4	7.9
WSW	.5	1.0	1.3	1.2								4.3	8.4
W	.6	.5	.9	.2	.1							2.9	8.1
WNW	.3	.2	.2	.2								1.0	6.7
NW	.3	.1	.1	.2	.1							.9	7.9
NNW	1.2	.1	.3	.3								1.9	4.6
VARBL	2.4	.9	1.6	1.6	.1							6.3	6.9
CALM												39.6	
	23.7	12.4	11.6	11.5	.9	.2						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION NUMBER TURREJOS DE SPAIN/MADRID STATION NAME 6578 YEARS JAN MONTH
 0600-0800 HOURS (L.S.T.)

ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	.3	.4	1.1	.2							4.6	6.2
NNE	3.5	1.5	.7									5.3	3.2
NE	4.3	1.6	.5	.4								7.0	3.9
ENE	3.2	.3	.4	.1	.2	.1						5.6	4.8
E	1.7	.4										2.2	2.8
ESE	.3											.5	2.4
SE	.3		.1									.4	2.3
SSE	.3			.1								.8	5.0
S	.7	1.2	.7	1.3	.2							4.3	7.8
SSW	1.0	2.7	2.0	1.1	.1							7.6	7.4
SW	.0	1.4	2.1	1.1	.1							5.2	7.8
WSW	1.4	.8	.3	1.4	.1	.1						4.5	8.0
W	.0	1.1	.3	.4								2.8	6.5
WNW	.2	.3	.6									1.2	6.5
NW	.3											.8	2.0
NNW	.4	.3	.3		.2							1.3	7.1
VARBL	1.3	1.0	1.1	1.2	.1							5.3	6.7
CALM												40.8	
	24.7	13.7	11.1	8.4	1.2	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

14011
 STATION

TURKEY AD SPAIN/MADRID
 STATION NAME

69-78
 YEARS

JAN
 MONTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.2	1.1	.4	.1						2.4	11.9
NNE	1.0	1.0	.2									3.0	3.2
NE	2.4	1.4	.3	.4								4.2	4.3
ENE	3.1	1.3	1.3	1.3	.2							8.1	6.1
E	2.2	1.0	.2	.1								3.8	3.4
ESE	1.3	.2	.1									1.6	3.0
SE	.4	.1										.5	2.2
SSE	1.4	.6	.1	.1								2.3	3.5
S	1.3	1.4	1.5	1.2								5.4	7.2
SSW	1.3	1.3	1.3	1.0	.4							7.5	7.9
SW	1.2	1.4	2.5	2.4	.2	.1						7.8	8.6
WSW	.4	1.2	1.3	1.9	.1							5.2	9.6
W	.3	.1	.6	1.3	.3							3.0	10.1
WNW	.2	.1	.1	.9	.2							1.4	11.6
NW	.1	.1	.2	.2	.1							.6	10.8
NNW	.2	.1	.1	.1								.5	7.0
VARBL	3.2	2.2	1.3	.9	.9							9.0	6.6
CALM												33.7	
	22.4	14.1	13.2	13.5	2.9	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/IAC

SURFACE WINDS

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

14011 STATION TORREJON AP SPAIN/MAJNID YEARS 69-78 MONTH JAN
272 ALL WEATHER CLASS 1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2	.5	.6	.2							2.4	12.2
NNE	1.4	.6	.3	.1								2.7	4.6
NE	.2	.3	.6	.4								2.2	7.7
ENE	1.7	1.1	1.0	1.1	.4							5.8	7.3
E	1.4	.5	.2	.1								2.9	4.7
ESE	.7	.3										1.2	2.6
SE	.4	.3	.2									1.4	3.8
SSE	1.1	.1	.1									1.2	2.5
S	2.2	1.0	1.7	.4								6.0	5.9
SSW	4.4	1.5	1.3	1.1	.2							8.6	5.9
SW	2.1	2.5	2.2	4.4	1.2	.3						12.6	9.8
WSW	1.4	1.0	1.4	3.3	1.3	.1						9.5	10.2
W	1.2	.4	1.1	1.2	.5							4.4	8.9
WNW	.1	.4	.4	.5	.4	.1						1.6	13.3
NW	.2	.2	.2	.2	.2							1.2	9.3
NNW	.2	.1	.1	.3	.1							1.0	12.0
VARBL	5.9	3.3	2.4	2.2	1.0	.3						15.7	7.2
CALM												19.8	
	25.7	13.4	15.3	17.5	6.1	1.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING CENTER
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011 STATION TURKEY, AR SPAIN/MAJID STATION NAME 69-78 YEARS JAN MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.4	1.1	.2	.5						5.9	9.1
NNE	.7	.8	.2	.1								2.0	4.4
NE	1.0	.2	.8	.3		.1						2.4	7.0
ENE	.9	1.0	.8	1.4	.2							4.0	9.1
E	.7	.5	.6									2.2	5.0
ESE	.8	.1	.1									.9	3.0
SE	.3	.1	.1									.5	4.0
SSE	.1	.4	.1									.6	4.3
S	2.2	1.7	1.2	.5	.1							6.0	5.4
SSW	3.2	1.8	2.2	1.2	.1							9.2	6.3
SW	2.9	3.0	3.3	4.1	.5							14.3	8.3
WSW	1.9	1.3	4.4	2.5	.6							9.1	8.9
W	1.1	.5	1.0	1.4	.2							4.7	9.0
WNNW	.1	.3	.5	.5	.2							1.8	10.6
NW	.2	.5	.3	.3	.1							.9	11.5
NNW	.9	.5	.3	.3								1.8	6.4
VARBL	2.2	2.2	3.0	2.0	.9	.1						11.4	8.2
CALM												22.2	
	20.4	15.9	20.5	17.1	3.3	.5						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/14C

SURFACE WINDS

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

14011 STATION TURKEY AIR SPAIN/GAULD ID STATION NAME 69-78 YEARS JAN NORTH 1800-2000 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	5.2	3.0	2.2	1.1		.3						11.8	5.4
NNE	2.7	1.7	.2	.1								4.7	3.4
NE	2.4	1.9	.3	.4								5.1	4.5
ENE	.5	1.2	.3	.6		.2						3.2	8.0
E	.6	.1	.4									1.2	4.4
ESE	.4		.1									.5	3.8
SE	.3	.1	.1									.5	3.4
SSE	.3	.6	.1									1.1	4.2
S	1.2	1.6	1.5	.3								4.9	6.3
SSW	.4	1.6	1.5	1.2	.1							5.2	8.1
SW	1.6	2.3	2.5	1.6	.1							8.3	7.5
WSW	.4	1.1	2.7	1.7	.1							6.0	9.1
W	.5	1.1	1.3	.2								3.4	6.0
WNW	.5		.3	.3								2.5	8.2
NW	1.0	.4	.3	.4	.1							2.9	5.5
NNW	1.4	1.0	.1	.2	.2							2.7	4.6
VARBL	1.2	1.2	1.2	1.5	.4							6.1	7.8
CALM												29.8	
	22.8	19.1	15.9	10.4	1.1	.5						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING - NA, CI
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 14011 STATION NAME TURKEY, AR SPAIN/ADP/LL YEARS 69-78 JAN MONTH JAN
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	1.2	1.1	.2		.2	.1					6.2	5.2
NNE	4.1	2.3	.6		.1							7.8	3.5
NE	4.1	2.7	1.4	.4	.1							8.7	4.5
ENE	2.5	1.4	.2		.5							4.7	5.1
E	.1	.5										1.3	3.3
ESE	.2			.1	.1							.6	7.2
SE	.2				.1							.3	8.3
SSE	.1	.4										.5	3.8
S	1.1	1.9	.5	1.0								4.7	6.4
SSW	1.2	1.4	2.1	1.7								6.3	7.7
SW	.6	1.0	2.0	1.6								5.3	8.4
WSW	.5	.9	1.3	1.6								4.8	8.7
W	1.0	1.0	1.1	.3								3.8	6.9
WNW	.1	.4	.2	.4								1.3	6.3
NW	.2	.1	.1									.4	4.8
NNW	.2	.9	.4	.1	.1							2.4	5.5
VARBL	2.4	1.2	.2	2.2	.1							6.7	7.2
CALM												34.0	
	24.4	17.2	12.7	10.2	1.2	.2	.1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING TRAINING
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

14011 STATION TREJUNO AG SPAIN/PADELD YEARS 69-78 JAN MONTH

ALL WEATHER 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	2.2	1.0	.0	.0	.3	.2	.0					5.4	7.1
NNE	2.0	1.2	.5	.1	.0							4.7	3.7
NE	2.2	1.7	.7	.4	.0	.0						5.7	4.5
NNE	2.4	1.2	.7	.7	.2	.0						5.3	6.0
E	1.2	.6	.2	.0	.0	.0						2.2	3.8
ESE	.0	.1	.0	.0	.0	.0						.8	3.3
SE	.4	.1	.1	.0	.0	.0						.6	5.1
SSE	.5	.4	.1	.1	.0	.0						1.0	5.2
S	1.4	1.5	1.1	.5	.0	.0						4.9	6.5
SSW	1.7	1.6	2.2	1.4	.2	.0						7.2	7.3
SW	1.3	1.8	2.4	2.4	.3	.1						8.2	8.4
WSW	1.0	1.1	1.0	2.0	.2	.0						6.1	9.0
W	.0	.7	1.0	.0	.2	.0						3.5	8.0
WNW	.3	.2	.4	.4	.1	.0						1.5	9.1
NW	.5	.1	.1	.2	.1	.0						1.1	6.9
NNW	.7	.4	.2	.2	.1	.0						1.7	6.1
VARBL	2.3	1.5	1.7	1.7	.4	.1						8.3	7.2
CALM												31.9	
	23.5	15.3	14.2	12.5	2.3	.5	.0					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

7439

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TURKEY AT SPAIN/MALINDA STATION NAME 59-78 YEARS FEB 1957
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.9	.0	.0	.4							5.2	5.7
NNE	4.7	4.0	1.1									9.8	3.8
NE	2.7	3.2	1.2	.0								7.7	4.9
ENE	1.7	3.2	.2	.1								5.2	4.1
E	.2	.7	.1									1.8	3.7
ESE	.4	.1	.4									.8	5.3
SE	.2		.4									.6	6.0
SSE	1.1	.5	.4									1.0	3.8
S	.2	.7	1.5	.5								3.7	6.8
SSW	1.2	2.0	1.5	.2	.2							5.4	6.5
SW	1.1	1.1	2.0	.7								6.1	6.5
WSW	2.2	1.7	2.0	.0	.2	.1						7.2	6.8
W	.2	.6	1.0	.0	.2							4.1	7.6
WNW	.4	.4	.0	.2								1.5	6.8
NW	.0	.1	.4	.1								1.2	5.7
NNW	1.3	.7	.1	.1								2.2	3.6
VARBL	4.2	.3	.1	2.0	.2							8.4	6.2
CALM												27.1	
	20.1	20.9	16.1	6.6	1.3	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
 AFMPC/USAF
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

STATION 14011 TARRAJON AF SPAIN/ADRIU STATION NAME 69-78 YEARS FEB MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	2.0	.2	.4	.4	.1						6.3	5.1
NNE	3.3	1.8	.2									5.3	3.4
NE	3.4	2.7	1.1	.2	.1							7.6	4.5
ENE	3.2	2.0	.6	.4	.1							6.3	4.3
E	1.2	.7	.1									2.0	3.7
ESE	.1	.2										.4	3.7
SE	.2		.2									.5	5.0
SSE	.1	.6	.4	.2								1.3	6.9
S	.7	.8	1.4	.4								3.3	6.7
SSW	1.1	2.5	2.4	1.2								7.1	7.1
SW	.7	1.5	1.4	1.2	.1							5.3	7.8
WSW	.7	1.4	1.5	.7								4.7	7.2
W	.8	.5	1.3	.1								2.8	6.3
WNW	.6	.2	.2	.2	.2							1.8	7.7
NW	.7	.2	.2	.1								1.3	4.5
NNW	1.7	.4		.2								2.2	3.7
VARBL	5.0	1.2	1.6	1.7	.7							10.5	6.0
CALM												31.3	
	27.7	16.8	12.1	7.4	1.7	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING DATA CENTER
 ETAC/USAF
 AIR WEATHER SERVICE/ TAC

SURFACE WINDS

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

14011 STATION TURKIJEW AND SPAIN/HEAD ID STATION NAME 69-78 YEARS FEB MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.9	1.4	.0	.2							6.4	6.3
NNE	4.5	2.1	.6	.2								7.4	3.8
NE	3.7	2.0	.7	.2	.1							6.9	4.2
ENE	3.1	2.2	.9	.1								6.0	4.0
E	2.0	.9	.2									3.2	3.4
ESE	.4		.1									.5	3.0
SE	.4											.2	2.0
SSE	.1	.5	.1	.2	.2							1.2	9.0
S	.4	2.1	1.3	.4	.2							4.6	7.3
SSW	.6	2.1	1.3	1.4								6.0	7.7
SW	1.3	1.7	2.0	1.0								7.3	7.8
WSW	.7	.9	1.1	.4	.4							3.4	7.5
W	1.1	.5	.3	.2								2.4	4.9
WNW	.9		.1	.4								1.1	6.0
NW	.2	.4		.1								.7	5.2
NNW	1.2	.6	.2	.1								2.2	3.9
VARBL	3.0	1.3	.9	2.1	.4							7.6	6.9
CALM												32.9	
	25.2	19.3	12.9	8.4	1.5							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

846

SURFACE WINDS

DATA PROCESSING CENTER
ETAC/USAF
AIR LATHER SERVICE/AF
PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1
STATION 14011 TURKEY AF SPAIN/MADEID FEB MONTH
STATION NAME ALL WEATHER CLASS 02-78 YEARS
0900-1100 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.2	.0	1.7	.7	.1	.2					4.1	12.5
NNE	1.2	.9	.7	.2	.5							3.5	6.9
NE	1.2	1.2	.0	.4	.2	.1						4.4	6.1
ENE	3.1	2.0	1.3	.5								7.6	4.8
E	3.1	2.2	1.1	.2								6.6	4.2
ESE	1.1	.4										1.4	2.4
SE	.7	.1	.1		.2							1.4	5.2
SSE	.0	.2		.1	.1							1.1	6.2
S	3.1	1.4	.9	.4	.2							5.9	5.1
SSW	.0	2.0	3.0	1.4	.1	.1						7.3	8.1
SW	.7	1.5	2.7	2.1	.1							7.2	8.7
WSW	.7	.9	2.2	1.2	.6							6.4	9.7
W	.5	.7	1.1	1.1	.1							3.4	8.6
WNW	.2	.9	.4	.2	.1							1.9	7.3
NW	.1	.2		.1	.1							.6	8.8
NNW	.6	.2	.2	.2	.2							1.1	9.0
VARBL	4.7	2.4	2.5	2.7	1.4	.2						13.9	7.9
CALM												22.1	
	23.3	18.0	17.5	13.4	4.7	.6	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING AND CONTROL
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011 STATION

T. RKEJIN A' SPAIN/CADIZ

STATION NAME

YEARS

69-78

FEB
 MONTH

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6		1.5	1.7	2.1	.1	.1					7.1	14.1
NNE	.4	.6	1.1	.6	.2							3.3	9.1
NE	.4	.9	.7	.4	.8							3.7	10.7
ENE	.6	.2	.7	.2	.2							3.0	6.4
E	1.2	.6	.1	.1								2.0	3.5
ESE	1.2	.2	.1	.1								1.7	3.8
SE	.3	.1	.2	.1		.2						1.7	7.0
SSE	.7	.3	.5	.4								2.4	5.9
S	3.4	1.7	.6	.2	.2	.4						6.7	5.7
SSW	2.0	2.5	1.2	1.2	.1	.4						7.9	6.1
SW	1.3	3.5	1.2	3.0	.6	.2						11.3	9.3
WSW	1.5	.2	2.7	3.3	.4	.5						9.9	10.4
W	.6	1.1	2.2	1.2	.1							5.2	8.4
WNW	.2	.2	.4	.4	.2							1.4	9.7
NW	.4	.2	.4	.2	.2	.2						1.7	10.9
NNW	.1	.1	.5	.2	.2	.2						1.2	3.3
VARBL	7.3	4.5	3.7	3.4	1.9	.5	.2					21.5	7.9
CALM												8.4	
	24.1	19.1	19.0	18.4	7.4	3.1	.4					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

846

DATA PROCESSING KATON
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURKEY, AS SPAIN/ADRIED YEAR 69-78 FEB MONTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	2.0	3.0	1.2	.7						3.2	12.6
NNE	1.1	1.1	.6	.4	.4							3.7	7.2
NE	.5	.7	.7	.2	.4							3.2	9.5
ENE	.2	.5	.7	.4								2.0	7.9
E	.2	.2	.1	.4								.8	6.7
ESE	.5	.1										.5	2.5
SF	.4	.2	.4	.2								1.2	6.8
SSE	.4	.7	1.7	.2								3.0	6.9
S	2.1	.3	1.7	.4	.1							5.1	5.8
SSW	1.3	2.3	1.4	1.2	.6	.1						8.4	7.7
SW	1.4	2.2	2.7	3.1	.6	.2						10.3	9.3
WSW	1.2	1.7	4.3	3.9	.5	.2						12.3	9.4
W	1.5	1.3	1.7	2.1	.1							6.7	8.5
WNW	.6	.7	.7	.4	.6	.1						3.7	10.1
NW	.4	.7	.7	.1	.6							1.8	9.3
NNW	.1	.9	.7	.8	.6	.1						3.1	10.8
VARBL	5.3	3.8	2.5	3.7	1.2	.4	.2					17.0	8.0
CALM												6.2	
	14.7	19.1	22.0	22.2	6.7	1.9	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

846

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURKEY CAP SPAIN/MARKID STATION NAME 69-78 YEARS FEB NORTH

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

ALL WEATHER CL-33

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	4.3	3.0	2.0	1.2	.4						12.2	8.8
NNE	1.3	2.5	2.1	.6	.1							6.7	6.2
NE	.7	1.4	.5	.1								2.8	5.1
ENE	.2	.3	.4	.4								1.8	6.7
E	.2	1.4	.4									.9	5.3
ESE			.5	.1								.6	9.0
SE	.2	.1	.2									.6	4.8
SSE	.1	.6	.2									.9	5.5
S	.7	1.8	1.1	.4	.1							4.3	6.3
SSW	.2	3.1	1.5	1.1	.1							6.7	6.8
SW	1.7	2.0	2.0	1.5	.2	.1						8.2	7.7
WSW	2.0	2.3	1.0	1.0	.1	.1	.1					8.7	7.3
W	1.9	1.4	2.1	.0	.1	.1						6.4	6.9
WNW	1.0	1.5	.7	1.3	.1							5.4	6.7
NW	1.1	1.2	.0	.2								3.1	5.2
NNW	1.1	1.8	.3									4.4	4.2
VARBL	2.5	1.4	1.3	.4	.7	.2						7.3	7.9
CALM												17.8	
	19.5	27.0	20.0	11.5	2.8	.5	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011 STATION TERRENTIA AIR STATION/MARKID STATION NAME 6978 YEARS FEB MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONTIN

Speed (Knts) Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	1.9	1.5	.2	.2	.1						7.7	5.4
NNE	4.5	3.1	2.4	.7								11.2	5.0
NE	2.1	1.7	1.5	.5								5.9	5.6
ENE	.5	1.9	.7	.1	.1							3.7	5.4
E	.2	1.2	.1	.1								2.0	4.9
ESE	.2	.1	.2									.9	4.1
SE	.2	.4										.8	2.9
SSE	.4	.5										.8	4.1
S	1.1	1.6	1.7	.4								5.3	5.4
SSW	.7	2.4	2.2	.7	.1							5.9	6.9
SW	.4	4.0	2.2	.1								5.4	7.4
WSW	.6	1.2	2.1	1.1	.1	.2						5.4	8.8
W	1.2	.7	2.2	.9	.1	.1						5.1	7.4
WNW	.1	.9	.4	.4	.4							2.1	8.8
NW	1.1	.4	.2									1.7	3.9
NNW	.7	1.1	.4									2.0	4.5
VARBL	4.1	2.5	1.4	1.4	.4	.1	.1					10.5	6.2
CALM												23.4	
	23.2	24.2	16.9	7.1	1.4	.5	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 846

1
 DATA PROCESSING CENTER
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011 STATION TORRENT, AF SPAIN/ALNDIU STATION NAME 69-76 YEARS FEB
 MONTH

ALL WEATHER CLASS ALL HOURS (L.S.T.)

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	1.4	1.5	.8	.2	.0					7.4	9.0
NNE	2.5	2.1	1.1	.4	.1							6.4	5.2
NE	1.7	1.7	.9	.5	.2	.0						5.3	5.8
ENE	1.6	1.6	.7	.3	.1							4.4	4.9
E	1.4	.9	.3	.1								2.4	4.1
ESE	.5	.1	.2									.8	4.0
SE	.5	.1	.2	.0	.0	.0						.9	5.5
SSE	.4	.5	.4	.1	.0							1.6	6.1
S	1.6	1.4	1.5	.4	.1							4.9	6.0
SSW	1.2	2.4	1.5	1.1	.1	.0						6.9	7.1
SW	1.2	2.0	2.3	1.7	.2	.1						7.7	8.3
WSW	1.3	1.4	2.3	1.0	.3	.1	.0					7.3	8.6
W	1.1	.2	1.0	.4	.1	.0						4.5	7.5
WNW	.6	.6	.2	.3	.2	.0						2.4	8.0
NW	.0	.4	.2	.1	.1							1.5	6.6
NNW	.7	.7	.4	.1	.1							2.3	6.0
VARBL	4.7	2.2	1.6	2.2	.9	.2	.1					12.1	7.3
CALM												21.4	
	23.7	22.9	17.5	12.1	3.5	.9	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 6768

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/1AC

SURFACE WINDS

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

14011
STATION

TORREJON DE SPAIN/IADRID
STATION NAME

68-77
YEARS

MAR
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	1.5	1.2	1.1	.6							7.7	6.7
NNE	4.1	4.1	2.4	.5								11.1	5.0
NE	4.4	5.5	5.2	1.3	.1	.1						15.2	5.9
ENE	2.0	2.4	.6	.8	.1							6.6	5.1
E	1.0	1.5	.1									2.6	4.0
ESE	.1	.2	.1									.5	5.0
SE	.5	.1										.4	2.8
SSE	.4	.4	.1									1.1	3.9
S	.5	2.0	1.0	.1								3.7	5.6
SSW	.4	.8	1.0	.2								3.1	7.2
SW	.2	.8	1.5	.6								3.5	7.4
WSW	1.0	.2	1.2	1.1	.3							4.3	8.6
W	.4	.5	.6	.3	.1							2.6	6.5
WNW	.2	.5	.2	.3	.1							2.0	6.3
NW	.1	.2	.2	.2	.1							1.6	7.0
NNW	1.4	.8	.8	.7	.1							2.7	4.3
VARBL	3.5	1.3	1.1	1.1	.4							7.7	6.8
CALM												23.5	
	23.1	23.3	19.7	7.5	2.3	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

930

83820

DATA PROCESSING MANAGER
 ETAC/USAF
 AIR WEATHER SERVICE/AC

SURFACE WINDS

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

STATION 14011 TLERREJUA AC SPAIN/IAAFID STATION NAME YEARS 6 Jun 77 MONTH MAR

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	2.0	1.7	1.1	.5							8.9	6.5
NNE	4.4	4.0	2.0	1.1								11.5	5.0
NE	4.4	4.6	2.0	1.3								13.1	5.4
ENE	3.5	3.6	1.0	.4								9.1	4.9
E	1.1	1.6	.1									2.7	3.8
ESE	.3	.1										.4	3.0
SE	.1				.2							.2	13.3
SSE	.1	.1	.1									.3	4.7
S	.3	1.2	1.0	.1								2.6	6.3
SSW	.2	1.0	1.1	.4								2.8	7.0
SW	.2	.5	1.5	.5	.1							3.0	8.5
WSW	.0	.1	1.2	1.2	.1							3.2	8.9
W	.4	.9	.1	.1								1.5	4.5
WNV	.5	.1	.2	.2	.1							1.6	8.1
NW	.3	.1	.2	.1								.8	6.1
NNW	1.1	1.1	.2	.2								2.6	4.5
VARBL	5.5	1.0	.9	.0	.6	.1						10.0	4.9
CALM												25.4	
	27.1	22.9	15.1	7.6	1.7	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

14011 STATION TURNERMAN SPAIN/AFRLU STATION NAME 6377 YEARS MAR MONTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	1.2	.8	.8							6.6	7.1
NNE	4.1	3.5	1.2	1.4								10.2	5.4
NE	5.9	4.4	2.2	.7								14.3	4.5
ENE	4.6	3.4	1.4	.5	.1							10.2	4.7
E	2.2	1.1	.3									3.5	3.5
ESE	.2	.1										.3	2.7
SE	.2	.2										.4	3.0
SSE	.3	.2		.1	.1							1.0	5.7
S	.7	1.1	.4									2.4	4.2
SSW	1.0	1.6	1.2	.5								4.3	6.2
SW	.3	1.2	1.4	.2	.1							3.5	7.8
WSW	.2	.2	1.3	.3		.1						2.4	9.5
W	.3	.1	.4	.2								1.2	8.2
WNW	.2	.2	.2	.1	.1							.6	9.3
NW	.4	.2	.3	.2								1.3	6.9
NNW	1.4	.5	.1									2.0	3.0
VARBL	5.5	1.5	1.2	.7	.3	.1						9.5	5.0
CALM												26.2	
	21.6	21.3	12.6	7.0	1.5	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

930

1
 DATA PROVIDED BY NAME OF
 ETAC/USAF
 AIR WEATHER SERVICE/ IAC

SURFACE WINDS

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

STATION 14011 STATION NAME TORREJON DE SPAIN/ADALD YEARS 50-77 MAX MONTH 0900-1100
 CLASS ALL WEATHER HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.5	1.1	1.7	.4	.3	.1					5.1	11.0
NNE	1.1	.4	.4	1.4	.5	.2						4.1	9.8
NE	1.0	2.0	1.2	2.4	.4							7.4	8.7
ENE	2.2	2.2	2.1	1.7	.6	.2						10.1	7.8
E	3.3	1.7	.0	.1								5.8	3.7
ESE	1.2	.3	.2									1.7	3.1
SE	1.0	.3	.1									1.4	3.0
SSE	.9	.4	.1									1.9	5.8
S	2.2	1.3	.0	.2								4.6	4.3
SSW	1.3	2.9	1.9	.5								7.0	6.2
SW	1.4	1.3	2.3	1.5	.1							6.6	8.0
WSW	1.0	1.2	1.2	.3	.3							4.5	7.6
W	.2	1.0	.9	1.1	.2							3.7	8.4
WNW	.6	.2	.2	.4	.1							1.4	9.4
NW	.1	.2	.2	.1								.9	8.6
NNW	.2	.2	.1	.1								.6	5.7
VARBL	6.5	3.0	4.3	2.5	1.4	.5						19.0	7.5
CALM												14.2	
	26.1	17.2	19.6	15.0	4.1	1.4	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSED BY
ETAC/USAF
AIR WEATHER SERVICE/ IAC

SURFACE WINDS

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

14011 STATION TURKEY A SPAIN/ALCID STATION NAME 68-77 YEARS MAR MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.1	1.6	1.1	.4	.1					5.8	12.3
NNE	.6	.6	.9	1.1	.4	.1						3.8	9.7
NE	.4	.9	1.4	1.1	.3	.3						4.4	10.4
ENE	.4	.5	1.2	1.4	.9	.4						4.6	11.9
E	.7	1.1	.2	.1								2.3	4.6
ESE	.7	.4		.1								1.4	3.6
SE	.4	.3	.1	.4	.1							1.4	7.8
SSE	1.6	1.0	.6	.1								2.7	5.1
S	2.4	1.3	1.6	.3	.1							6.5	5.6
SSW	1.3	2.2	1.2	.7								6.1	5.9
SW	.6	2.2	2.3	2.6	.6							8.8	9.1
WSW	.8	1.2	1.6	2.3	.9							6.9	10.1
W	1.1	1.1	1.3	1.1	.2							4.7	8.0
WNW	.5	1.0	.4	1.4								3.3	8.4
NW	.4	.9	.3	.4	.1							2.2	6.9
NNW	.3	.9	.1	.2	.1							1.6	6.7
VARBL	6.0	6.5	6.6	4.6	1.8	.5	.1					28.5	8.3
CALM												5.0	
	17.2	23.5	23.7	19.7	6.7	2.2	.2					100.2	8.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011 STATION TORREJON DE SPAIN/IA0110 YEARS 5-77 MAR MONTH

1500 HOURS (L.M.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	1.7	3.3	1.4	.4	.1					9.2	12.9
NNE	.5	1.2	1.6	1.8	.4							5.4	9.4
NE	.3	.6	1.2	1.7	.3							4.2	10.3
ENE	.4	.4	1.3	.4	.2	.1						3.1	8.9
E	.6	.5	.1	.6	.1							2.2	6.3
ESE	.4	.2	.3	.2								1.6	5.8
SE	.5	.2	.2	.1	.2							1.3	6.9
SSE	.6	.6	.2	.2								1.8	5.2
S	1.6	1.3	1.2	.4								4.2	6.5
SSW	1.4	1.4	1.3	.5								5.4	6.4
SW	1.6	2.5	3.5	2.5	.3	.2						10.3	8.9
WSW	.3	2.2	2.4	3.3	.6							10.2	9.8
W	1.3	1.6	2.4	.3	.2							6.0	7.2
WNW	1.1	.9	.5	1.2	.5							4.3	8.6
NW	.3	.4	.2	.2	.1							1.6	6.6
NNW	.3	.9	.6	.4								2.3	6.6
VARBL	4.6	3.0	5.2	3.7	2.6	.3	.2					20.0	9.1
CALM												6.9	
	17.1	18.7	25.4	22.4	7.3	1.5	.3					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING CENTER
 ETAC/LSAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION T. RUEJ A SPAIN/ADRID STATION NAME 68-77 YEARS MAR MONTH
 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.3	2.3	4.1	1.7	.4						14.4	9.4
NNE	1.1	1.9	2.5	1.2								7.4	6.7
NE	2.2	1.7	2.4	1.2	.2	.1						7.7	7.1
ENE	1.2	1.1	1.2	.5	.1							4.3	6.8
E	.5	.0	.5	.1								2.0	5.4
ESE	.4	.4	.4									1.3	5.3
SE	.9	.9	.1	.1								1.1	6.2
SSE	.2	.6	.9	.2								2.0	6.7
S	.5	1.4	1.1	.2								3.5	5.9
SSW	1.0	1.0	.8	.1								2.8	5.2
SW	1.6	2.3	2.6	1.5	.2							8.2	7.2
WSW	.8	2.8	2.4	1.9	.1							8.0	7.7
W	1.5	3.1	1.7	.4								7.2	5.3
WNW	.1	1.3	.3	.5	.1							3.0	6.7
NW	1.7	.0	.2									2.9	3.9
NNW	1.5	2.4	.7	.2	.1							5.2	5.8
VARBL	1.9	.4	2.1	2.1	.9							7.3	8.9
CALM												11.6	
	21.3	25.9	22.2	14.7	3.4	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 630

DATA FROM SGT G. K. ...
 ETAC/USAF
 AIR WEATHER SERVICE/IAC

SURFACE WINDS

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

STATION 14011 T. P. R. E. J. ... SPAIN/ ...
 STATION NAME ...
 YEAR 60-77
 MONTH MAR
 HOURS (L.S.T.) 2100-2300

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.9	6.0	1.7	.9							11.6	7.2
NNE	4.5	2.8	2.8	.6	.1							11.0	5.3
NE	2.3	3.7	4.1	2.0	.2							12.4	7.1
ENE	1.7	1.1	1.3	1.0								5.3	6.2
E	.1	1.5	.3									2.6	4.4
ESE	.4	.1										.5	2.8
SE	.4	.4	.1	.2								1.2	6.0
SSE	.4	.4	.4	.1								1.4	5.9
S	.6	1.1	1.3	.1								3.2	5.9
SSW	1.2	.9	1.2	.2								3.7	5.7
SW	1.1	1.2	1.1	.2	.1							4.0	6.7
WSW	1.1	1.0	1.7	.5	.5							5.5	7.7
W	1.2	.3	1.1	.4								2.8	6.5
WNW	.6	.5	.2	.2								2.4	7.2
NW	1.1	.5	.2	.1								1.8	4.5
NNW	1.0	.8	.4									3.0	4.9
VARBL	3.5	1.0	1.3	1.0	.3							8.8	6.5
CALM												18.8	
	26.1	21.4	21.1	10.2	2.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/AC

SURFACE WINDS

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

14011
 STATION

TURKEY AIR SPAIN/ADPFD
 STATION NAME

53-77
 YEARS

MAR
 MONTH

ALL WEATHER
 CLASS

ALL
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.9	1.6	2.1	.9	.0	.0					8.7	9.0
NNE	2.6	2.3	1.7	1.1	.2	.1						8.1	6.3
NE	2.5	2.9	2.4	1.4	.2	.1						9.8	6.6
ENE	2.2	1.6	1.5	.8	.3	.1						6.7	6.6
E	1.3	1.2	.5	.1	.0							3.0	4.3
ESE	.5	.3	.1	.1								1.0	4.2
SE	.4	.3	.1	.1	.1							.9	5.1
SSE	.6	.5	.3	.2	.0							1.5	5.5
S	1.1	1.4	1.1	.2	.0							3.8	5.6
SSW	1.1	1.5	1.4	.2	.0							4.4	6.2
SW	.5	1.5	2.1	1.3	.2	.1						6.0	8.1
WSW	.6	1.3	1.7	1.5	.4	.1						5.6	8.8
W	.3	1.1	1.1	.6	.1	.1						3.7	6.8
WNW	.6	.6	.4	.6	.1	.1						2.3	7.9
NW	.7	.4	.3	.2	.0	.0						1.6	5.9
NNW	1.0	.9	.4	.2	.1	.1						2.5	5.2
RBL	4.3	2.3	3.1	2.2	1.1	.2	.0					13.9	7.5
CALM												16.5	
	24.3	22.0	19.5	13.1	3.7	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

7437

DATA PROCESSING AND CH.
ETAC/USAF
AIR WEATHER SERVICE/MAF

SURFACE WINDS

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

STATION 14011 TURKEYIN AP SPAIN/ADAKIO STATION NAME YEARS 60-77 MONTH APR
0000-0200 HOURS (L.S.T.)

ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	2.4	2.0	0.0	0.1							8.8	4.9
NNE	2.4	3.3	4.7	0.9								10.7	5.6
NE	3.2	3.9	5.3	2.4								15.5	6.8
ENE	2.2	2.4	1.2	0.0	0.1							6.8	5.8
E	0.7	1.1	0.4									2.3	4.7
ESE		0.4										0.4	4.0
SE	0.1	0.1	0.1									0.4	4.7
SSE	0.1	0.6	0.2									1.0	5.1
S	0.7	0.9	2.3	0.5	0.1							4.5	7.4
SSW	0.7	0.9	1.7	0.1								3.4	5.3
SW	1.3	1.0	0.2	0.5								3.1	5.4
WSW	0.5	0.9	0.0		0.1							2.4	5.5
W	1.0	0.0	0.4	0.0	0.1							3.3	4.0
WNW	0.4	0.0	0.4	0.2	0.1							1.1	8.7
NW	0.3	0.6	0.2									1.3	4.5
NNW	1.0	0.2	0.2	0.2								2.2	4.7
VARBL	0.2	2.7	1.0	1.2								12.0	4.6
CALM												20.8	
	20.2	22.5	20.3	7.6	0.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 819

DATA PROCESSING UNIT
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TUREJTO A3 SPAIN/ALDND 64-77 YEARS APR MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	2.2	1.0	.2	.1							7.8	5.1
NNE	5.2	4.6	2.4	.1								13.0	4.9
NE	5.2	4.7	3.7	1.0								14.5	5.4
ENE	2.0	2.2	1.2	.2								6.5	4.9
E	1.3	1.0	.3									3.1	4.7
ESE	.4	.2										.6	3.2
SE	.2	.1										.6	2.6
SSE	.2	.1	.1									.5	4.5
S	.7	2.0	2.3	.1								5.2	6.1
SSW	.6	1.1	1.6	.2								3.5	6.4
SW	.0	.7	.5	.4								2.2	6.4
WSW	.1	.5	.4	.2								2.2	6.2
W	.0	.2	.3	.1	.1							1.6	6.2
WNW	.0	.4	.1	.1	.1							1.3	5.9
NW	1.2	.0										1.8	2.9
NNW	1.7	.6	.2	.1								2.6	3.8
VARL	5.6	1.9	1.1	.6								9.2	4.0
CAIM												23.9	
	31.3	23.0	16.6	4.0	.4							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

833

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/14C

SURFACE WINDS

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

STATION 14011 TURKEY OF SPAIN / CAERLIN STATION NAME 61-77 YEARS APR MONTH

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

ALL WEATHER CLASS _____
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	1.3	1.1	1.1	.4	.1						6.1	7.5
NNE	3.1	3.7	1.0	1.1	.1							8.9	5.3
NE	6.0	4.0	2.5	.5								13.8	4.9
ENE	4.2	3.9	2.0	.2	.1							11.0	5.1
E	2.6	2.1	.4									6.1	3.6
ESE	1.1	.4										1.6	3.1
SE	1.1	.1	.1	.1	.1							.6	10.2
SSE	.7	.4	.4									1.3	3.8
S	.9	1.6	1.7	.1								4.1	6.1
SSW	.2	1.8	2.1	.5								4.7	7.2
SW	.0	.6	1.1	.1								3.4	7.7
WSW	.3	.3	.1	.4								1.2	7.0
W	.2	.4	.1	.1								.9	5.6
WNW	.2	.2	.2									.7	5.0
NW	.4	.1	.1	.1								.7	4.8
NNW	1.1	.7	.1	.2								2.2	4.3
VARBL	4.0	2.3	1.7	.6								9.8	4.7
CALM												22.9	
	29.0	24.1	15.2	7.0	.8	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING FACILITY
ETAC/LSAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

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

STATION: 14011 T. BUREAU, AP SPAIN/VA. I.D. STATION NAME: T. BUREAU, AP SPAIN/VA. I.D. YEARS: 60-77 MONTH: APR
CLASS: ALL WEATHER HOURS (L.S.T.): 0900-1100

CONDITION: _____

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.3	.4	2.0	.7	.1						4.8	12.8
NNE	1.1	1.1	.7	.3								3.6	6.8
NE	1.2	1.0	1.1	1.7								5.0	7.9
ENE	2.0	1.7	2.7	1.7	.1	.3						8.4	7.9
E	2.2	2.7	1.7	.7	.1							7.3	5.7
ESE	1.3	1.0										2.3	3.0
SE	1.4	.6										2.2	2.9
SSE	1.1	.3	.7	.4								2.6	5.2
S	2.2	1.3	1.1	.2	.1							5.0	5.2
SSW	1.3	1.7	2.6	1.1								6.9	7.2
SW	1.7	1.4	1.8	1.7	.7							7.2	8.3
WSW	.7	.7	.7	.4	.1							2.6	7.2
W	.3	.7	.2	.3								1.9	5.9
WNW	.7	.3	.1									1.1	3.3
NW	.1	.1	.1	.1								.3	7.0
NNW	.1	.2	.1	.4	.2							1.2	10.3
VARBL	9.0	6.0	6.6	4.2	.4	.1						28.9	6.4
CALM												8.7	
	27.0	21.4	22.0	16.6	2.4	.5						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 5 900

AIR WEATHER SERVICE/TAC
 TAC/USAF
 DATA PROCESSING CENTER

SURFACE WINDS

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

STATION 14011 STATION NAME T. RENEZ, AP SPAIN/ADKID YEAR 57 MONTH APR

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

WEATHER CLASS ALL WEATHER
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.6	.8	2.1	.8	.2						4.9	12.0
NNE	.0	.3	.7	.4								2.8	7.7
NE	.2	.7	1.7	1.7	.1							4.4	9.5
ENE	.7	.8	1.8	.8	.1							3.1	7.7
E	.6	1.2	.9	.2								2.8	6.0
ESE	.6	1.1	.2									1.9	4.3
SE	.3	.4	.2	.1								1.1	5.5
SSE	.4	.4	.6	.1								1.8	6.6
S	1.0	1.6	1.5	.3	.3							5.7	6.9
SSW	1.4	2.0	2.2	1.7	.3							7.1	7.3
SW	.7	2.8	3.3	1.8	.8	.1						9.6	9.2
WSW	.3	.4	2.4	1.3	.4							5.5	9.4
W	.7	1.6	.9	1.1								4.1	7.8
WNW	.9	.7	.2	.4								1.9	6.2
NW	.4	.4	.2	.1								1.2	5.2
NNW	.2	.2	.3	.7	.3							1.9	12.4
VARBL	6.6	9.3	12.9	7.9	1.0	.2						37.4	7.9
CALM												2.9	
	19.7	24.6	30.5	20.1	4.2	.7	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING CENTER
 ETAC/USAF
 AIR WEATHER SERVICE/MAG

SURFACE WINDS

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

STATION 14011 STATION NAME TUREJ, LA SPAIN/ACRID YEARS 68-77 MONTH APR
 HOURS (L.S.T.) 1500-1700

ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.2	1.0	3.3	1.7							9.9	10.5
NNE	.2	.6	1.4	.5	.3							2.9	8.8
NE	.2	1.0	1.4	1.2	.2	.1						4.8	9.1
ENE	.0	.3	1.0	.5	.2							3.1	8.3
E	1.0	1.0	.3	.1								2.4	4.5
ESE	.4	.3										.8	3.0
SE	.4	.1	.2	.1								1.0	6.1
SSE	.2	.4	.1	.1								.9	6.3
S	.3	1.4	.6	.9								3.1	7.0
SSW	.7	2.0	1.7	1.4	.2	.1						6.1	8.2
SW	.7	1.9	3.7	3.0	.2	.2						9.7	9.3
WSW	.5	1.8	1.6	1.0	.7	.2						6.9	9.2
W	.1	1.8	2.2	1.3	.4							6.6	8.7
WNW	.4	.6	.3	.2								2.9	8.1
NW	.7	.4	.7	1.0								2.8	8.2
NNW	.3	.2	.7	1.0	.6	.1						2.9	12.2
VARBL	4.4	6.1	10.4	7.7	1.1	.5						30.1	8.5
CALM												3.2	
	12.3	23.6	29.1	24.4	5.7	1.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING MANAGER
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION T. REEVE AP SPAIN/HALEID STATION NAME YEARS 51-77 MONTH APR
 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.0	4.2	5.4	.7							16.1	9.2
NNE	1.2	1.3	2.5	1.7	.3							6.9	8.0
NE	.4	1.6	2.4	1.1	.3							5.9	8.6
ENE	.7	1.2	1.1	1.2		.1						4.7	8.3
E	1.4	1.1	.2									2.4	4.1
ESE	.2	.4	.2									1.2	4.4
SE	.1	.6	.1									.8	5.4
SSE	.4	.5	.1	.1								1.0	5.1
S	.2	1.1	1.2	.3								2.9	7.2
SSW	.7	2.2	1.0	.7	.1							5.0	6.8
SW	1.2	3.3	2.0	.7	.1							7.9	6.5
WSW	1.0	4.2	2.8	.4	.7							10.1	6.9
W	2.2	1.6	1.2	.4								6.3	5.8
WNW	.7	1.9	.7	.5								4.3	6.8
NW	1.1	.6	.6	.4								3.2	6.7
NNW	.2	2.2	1.1	.4	.3							5.1	7.0
VARBL	2.7	1.2	2.3	2.4	.4							9.1	6.0
CALM												7.0	
	10.2	28.1	26.0	17.4	3.0	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

200

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/WAC

SURFACE WINDS

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

STATION 14011 TUREJA AB SPAIN/IAADKID STATION NAME YEARS 46-77 APR MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	2.8	3.1	1.6	.1							11.6	6.0
NNE	2.8	3.8	3.0	1.1	.3							11.6	6.5
NE	2.0	3.6	3.1	2.2	.4							11.9	7.2
ENE	1.4	1.9	1.0	1.0								6.1	6.5
E	1.0	.9	.2									2.2	3.9
ESE	.1	.6	.2	.1								1.0	6.3
SE	.2		.1	.1								.4	7.3
SSE	.4	.4	.7	.1								1.7	5.9
S	1.2	.9	1.8	.2	.1							4.2	6.1
SSW	.7	1.0	.9	.2								2.8	6.1
SW	.3	1.2	1.1	.6								3.8	6.4
WSW	.7	.7	1.3	.7								3.3	7.6
W	1.5	1.4	1.4	.4								5.1	5.3
WNW	1.1	.9	.6	.2								2.8	5.2
NW	.4	.3	.3	.1	.1							1.3	6.6
NNW	1.7	1.1	.5	.3	.1							3.8	5.4
VARBL	3.8	2.0	2.0	1.3	.1							9.2	5.7
CALM												17.2	
	24.9	23.4	22.5	10.2	1.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
ETAC/USAE
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011
STATION

TURKEY, AP SPAIN/MADRID
STATION NAME

63-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	1.4	2.0	2.2	.6	.1						8.8	8.2
NNE	2.1	2.4	1.3	.5	.1							7.4	6.2
NE	2.4	2.6	2.7	1.5	.1							9.4	6.8
ENE	1.0	1.3	1.5	.7	.1							6.2	6.5
E	1.4	1.4	.0	.1	.0							3.6	4.7
ESE	.3	.6	.1	.0	.0							1.2	3.8
SE	.4	.3	.1	.1	.0							.9	5.0
SSE	.2	.4	.4	.1								1.3	5.6
S	1.1	1.3	1.6	.3	.1							4.3	6.4
SSW	.3	1.0	1.0	.7	.1							5.0	7.1
SW	1.1	1.6	1.3	1.2	.2	.0	.0					5.9	7.9
WSW	.0	1.2	1.3	.0	.3	.0						4.3	7.7
W	1.1	1.1	.5	.6	.1							3.7	6.7
WNW	.6	.6	.4	.4	.0							2.0	6.4
NW	.0	.4	.3	.3	.0							1.6	6.0
NNW	.5	.7	.5	.4	.2	.0						2.8	7.2
VARBL	5.4	4.0	5.2	3.3	.4	.1						18.4	6.9
CALM												13.1	
	33.6	23.9	23.0	13.7	2.4	.3	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

7050

DATA PROCESSING RANGE
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURKEY W AB SPAIN/ MADRID STATION NAME SPAIN/ MADRID YEARS 48-77 MONTH MAY

ALL WEATHER CLAS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.9	1.7	1.1	.1	.1	.1						9.5	4.3
NNE	5.7	4.4	1.6	.2		.1						12.3	4.3
NE	4.3	4.4	3.7	.0								13.1	5.4
ENE	1.5	2.3	.5	.1								4.4	4.5
E	1.5	1.0	.2									2.7	3.5
ESE	.5	.4	.1									1.1	3.4
SE	.5	.6	.1	.1								.9	6.1
SSE	.6	.6	.2	.2								1.9	5.7
S	1.2	1.5	1.2	.0								4.5	6.4
SSW	1.2	1.3	1.7	.3	.2							5.2	7.2
SW	.7	2.3	.5	.2								3.9	5.2
WSW	.1	.6	.6									2.2	4.4
W	1.3	.3	.0	.3								2.6	5.5
WNW	.5	.2	.2	.1								1.1	5.3
NW	1.6	1.4	.1									1.7	2.4
NNW	3.7	1.4										4.7	3.0
VARBL	3.3	1.4	1.6	.1	.3							6.8	4.8
CALM												21.5	
	24.9	24.7	13.9	4.2	.6	.2						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING CENTER
 ETAC/USAF
 AIR WEATHER SERVICE/ AF

SURFACE WINDS

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

STATION 14011 TURKEY, A SPAIN/HAERID STATION NAME 53-77 YEARS MAY MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.6	2.5	1.1	.0	.2							9.4	4.5
NNE	6.7	3.3	1.3	.0								12.0	3.9
NE	3.6	2.9	1.5	.3								10.3	4.0
ENE	3.2	3.2	.5	.1								7.3	3.8
E	1.7	1.1	.1									2.9	3.5
ESE	.5	.5										.9	3.6
SE	.2	.1	.1	.1								.5	5.6
SSE	.4	.3	.1	.1								1.0	4.4
S	1.1	2.0	1.0	.2								5.2	6.0
SSW	.3	1.0	1.0									4.3	5.6
SW	.0	1.1	1.0	.1								2.8	5.1
WSW	.5	1.1	.4	.1								2.2	4.5
W	.0	.5	.4	.1								1.7	5.1
WNW	.5	.1	.5									1.0	4.2
NW	.7	.1		.4								1.2	4.2
NNW	2.0	1.0										3.6	2.9
VARBL	3.9	1.8	.6	.5								6.0	4.3
CALM												26.9	
	75.2	23.4	10.9	3.2	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 928

SURFACE WINDS

DATA PROVIDED BY
 ETAC/USA
 AIR WEATHER SERVICE/TAC

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

STATION 14011 TURRETT, AT SPAIN/ADALD YEARS 66-77 MONTH MAY

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.1	.0	1.0	.2	.1						2.9	10.1
NNE	4.4	1.2	.7	.0								7.1	4.3
NE	6.2	2.4	1.0	.5	.2							11.0	4.5
ENE	0.2	4.1	1.0	.0								14.2	3.9
E	3.7	1.0	.0	.2								6.0	3.4
ESE	1.0	.1	.2									1.3	3.3
SE	.0	.4										1.2	3.3
SSE	.0	.4	.0	.0								1.8	5.8
S	1.0	2.2	1.0	1.0								6.5	6.7
SSW	1.2	2.4	3.1	.0								7.3	6.6
SW	.6	1.2	1.5	.2								3.5	6.2
WSW	.0	.4	.4	.4								1.8	5.5
W	.2	.2	.1	.1								.6	5.8
WNW	.0	.1	.0		.1							1.3	6.0
NW	.4	.1	.1									.4	5.0
NNW	.4	.1	.1									.5	2.6
VARBL	5.4	2.2	2.4	1.7								11.4	5.7
CALM												21.1	
	26.0	19.4	14.9	7.3	.5	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

7418

DATA FROM SURFACE
 ETAC/USAF
 AIR WEATHER SERVICE/USAF

SURFACE WINDS

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

STATION 14011 STATION NAME T. R. KEJ... SPAIN/ADULTU 60077 YEARS MAY MONTH

CLASS ALL WEATHER
 HOURS (L.S.T.) 0900-1100

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	.4	1.2	.4							3.6	11.4
NNE	.9	.9	.9	.5	.2		.2					3.2	6.7
NE	.4	1.4	1.4	.7	.5	.2						4.6	8.7
ENE	1.4	1.0	1.4	.1		.1						4.6	7.2
E	2.3	2.6	.0									5.5	4.1
ESE	1.2	1.0	.4									2.7	4.0
SE	1.2	.4	.1	.2								2.3	3.8
SSE	1.7	.5	.3	.1								2.9	3.6
S	3.7	2.4	1.1	.4	.1							7.6	4.8
SSW	1.2	3.0	3.0	2.0	.2							11.0	7.3
SW	1.2	2.2	2.5	2.5	.1							8.4	8.3
WSW	.5	.4	.5	.1	.1							2.9	7.7
W	1.1	1.1	.9	.0								3.7	6.6
WNW	.1	.3	.0	.5								1.4	3.9
NW	.2	.1	.3		.1							.6	6.2
NNW	.4	.1	.2	.1								.9	6.0
VARBL	0.1	6.2	4.2	5.1	.6							28.1	6.9
CALM												6.0	
TOTAL	20.6	24.6	22.1	16.4	2.3	.3	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 T RKEJ AB SPAIN/ADY 10 STATION NAME 6.3-77 YEARS MAY MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	.0	1.0	.2	.1						3.4	9.3
NNE	.4	.9	.5	.6	.1	.4	.1					3.1	10.3
NE	.3	.5	.4	.2	.4	.2						2.5	10.1
ENE	.5	.8	.3	.4								2.6	7.0
E	.6	1.4	.9	.3								3.3	6.0
ESE	.5	.2	.4									1.5	4.4
SE	.1	.6	.4									1.2	6.0
SSE	.1	.0	.1									1.4	4.1
S	1.7	2.5	1.4	.0	.1							1.4	4.1
SSW	.2	2.7	1.0	2.0	.4							6.5	6.1
SW	.5	2.2	2.0	3.1	.5	.1						7.5	8.8
WSW	.4	2.0	1.5	2.7	.1	.1						9.6	9.4
W	.3	1.8	.2	2.1	.1							6.9	9.4
WNW	.4	1.0	.6	.4								4.9	8.7
NW	.2	.4	.3									2.5	6.9
NNW	.2	.2	.2	.2	.3							1.1	5.3
VARBL	5.1	9.0	13.2	6.5	1.7							39.5	10.7
CALM												1.4	
	14.7	28.1	27.6	23.0	4.0	.5	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011
 STATION

TORREJON DE SPAIN/MADRID

STATION NAME

68-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.6	1.1	1.2	.2							4.8	10.4
NNE	.3	.9	1.1	.6	.4							3.3	9.6
NE	.4	.0	.4	.2	.5							2.3	9.4
ENE	.4	1.1	.0	.5	.1							2.9	7.7
E	.2	.6	.4	.2								1.6	6.9
ESE	.2	.5	.3	.1								1.2	6.4
SE	.0	.8	.2									1.1	5.9
SSE	.0	.6	.4	.1								1.9	5.2
S	1.5	1.8	.7	1.2	.2							5.7	7.2
SSW	1.2	1.4	1.5	2.2	.3							6.7	8.9
SW	.4	3.0	3.1	4.4	.1							11.1	9.3
WSW	1.1	2.8	2.3	2.3	.2							9.3	8.6
W	1.5	1.6	2.0	1.1	.2							6.7	7.2
WNW	.3	.2	1.1	1.1	.4							3.4	9.8
NW	.2	.2	.0	.4								2.0	6.9
NNW	.1	.8	.7	.6								2.4	8.0
VARBL	3.4	7.0	11.7	7.1	.9							30.1	8.3
CALM												3.4	
	12.2	25.3	29.1	25.1	3.7	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

STATION 14011 TERREJON AFB SPAIN/ADP/D YEAR 68-77 MONTH MAY

CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.4	2.6	2.4	.6							9.0	8.9
NNE	1.1	1.6	1.2	1.6	.4							5.9	6.5
NE	1.0	.6	1.4	.9								3.9	7.1
ENE	.6	1.2	1.0	.6								4.3	7.5
E	.2	1.2	.2	.2								2.2	6.1
ESE	.2	.4	.4									1.2	5.5
SE	.2	.8	.3	.2								2.2	5.2
SSE	.4	.6	.2	.3								1.6	6.4
S	.6	2.3	1.3	.4	.1							5.6	7.4
SSW	.3	1.6	1.7	.9								4.5	7.7
SW	1.3	3.7	3.4	1.1								9.5	6.7
WSW	2.5	3.1	3.1	1.2								8.8	6.5
W	2.5	2.7	2.7	1.1	.2							4.5	7.3
WNW	1.1	.9	1.5	1.1								3.1	5.7
NW	.6	1.6	.6	.1								4.4	5.6
NNW	1.7	1.2	.5	.6								10.3	7.8
VARBL	3.0	1.6	2.5	2.0	.3	.1						9.6	
CALM													
	15.9	27.0	26.5	15.6	1.7	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING CENTER
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 14011 STATION NAME TURKEY GAP SPAIN/ADRID YEARS 50-77 MONTH MAY
 HOURS (L.S.T.) 2100-2300

ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	3.3	2.3	.1	.1							10.7	5.2
NNE	3.1	4.0	3.1	.4								12.1	5.3
NE	1.7	3.3	1.7	1.4		.1						8.2	6.4
ENE	1.2	1.6	1.2	.7								5.2	6.5
E	1.1	1.3	.2	.1								2.7	4.3
ESE	.5	.4	.2	.1								1.2	3.9
SE	.3	.2	.2	.1								.9	5.4
SSE	.9	.9	.5	.5								1.9	8.4
S	1.0	1.4	1.0	.3	.1							4.4	6.6
SSW	.6	2.3	2.0									5.7	6.5
SW	1.2	1.8	1.0	.2								4.2	5.2
WSW	.7	1.4	.6	.5								3.4	6.1
W	1.9	.2	.2	.1								4.0	5.8
WNW	1.4	.5	.4	.4								2.3	5.0
NW	.7	.0	.1									1.7	3.4
NNW	2.2	.9	.2	.1								3.3	3.5
VARBL	5.0	1.1	1.7	1.3	.2							9.3	5.5
CALM												18.3	
	27.5	26.7	17.2	7.0	.4	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 928

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

14011 STATION T. KRISTIAN SPAIN/CADALIZ 58m77 YEARS MAY MONTH
 ALL WEATHER CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	1.4	1.2	1.2	.3	.1						6.7	7.0
NNE	2.3	2.2	1.3	.7	.1	.1	.0					7.4	5.7
NE	2.0	2.0	.9	.7	.2	.1						7.0	5.9
ENE	2.2	1.9	1.1	.2	.0	.0						5.7	5.3
E	1.4	1.4	.4	.1								3.4	4.4
ESE	.0	.5	.3	.3								1.4	4.3
SE	.5	.5	.2	.4								1.3	4.9
SSE	.7	.5	.0	.2								1.8	5.4
S	1.0	2.0	1.5	.7	.1	.1						5.7	6.3
SSW	1.0	2.2	2.2	1.1	.1	.1						6.5	7.4
SW	.9	2.2	2.0	1.5	.1	.1						6.6	7.7
WSW	.5	1.5	1.2	1.1	.1	.0						4.8	7.3
W	1.1	1.2	1.0	.7	.1	.0						4.1	6.7
WNW	.6	.3	.6	.5	.1							2.2	7.2
NW	.7	.4	.3	.1								1.5	4.9
NNW	1.0	.7	.3	.2	.0							2.6	4.7
VARBL	4.6	3.6	5.2	3.5	.5	.0						17.8	7.2
CALM												13.5	
	75.1	24.9	26.0	12.7	1.7	.2	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7433

DATA PROCESSING CENTER
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

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

STATION 14011 STATION NAME T. RUEJTH AD SPAIN/ADRIU YEARS 60-77 MONTH JUN
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.6	.1									7.6	2.7
NNE	3.3	3.0	2.4	.5								12.9	4.3
NE	4.1	5.8	5.6	.2								14.0	5.3
ENE	2.2	3.1	1.9	.4								9.3	4.8
E	1.2	1.4	.2									3.9	3.7
ESE	.3	.7	.1									1.1	4.5
SE	.3	.2	.7									1.2	5.5
SSE	.7	.6	.4	.1	.1							1.9	6.2
S	.2	1.6	.4	.1								3.0	4.5
SSW	.2	1.3	1.1	.3								3.3	5.3
SW	.3	1.0	.6	.5								2.4	6.2
WSW	.7	.7	.2	.5								2.1	6.5
W	.2	.4	.4									1.2	5.2
WNW	.1			.1								.2	6.5
NW	.5	.2	.1									1.2	3.2
NNW	1.6	.2										1.8	2.4
VARBL	4.5	1.7	1.2	.4								8.9	4.2
CALM												23.9	
	34.0	24.3	14.7	3.1	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING SERVICE
 ETAC/SAE
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 14011 STATION NAME TURKEY GAP SPAIN/ADRID YEARS 63-77 MONTH JULY
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.0	1.1	.1									6.2	2.7
NNE	7.7	2.8	1.1	.2								11.8	3.5
NE	8.0	4.5	3.7	.1								16.9	4.7
ENE	5.0	2.6	1.4									9.8	3.8
E	2.2	1.2	.2									3.7	3.4
ESE	.2											.3	2.7
SE	.2	.2										.2	5.0
SSE	.1	.0	.1	.1	.1							1.0	7.4
S	.2	1.0	.7									2.4	5.2
SSW	.7	1.0	.9	.7								3.6	5.8
SW	.6	.8	.0	.1								2.2	6.1
WSW	.4	.2	.1	.2								1.1	6.9
W	.2	.2	.1	.2								.8	6.4
WNW	.2											.2	2.5
NW	.7	.2										.9	2.6
NINW	1.0	.1										1.9	2.3
VARBL	2.2	1.6	.0									5.2	3.6
CALM												31.6	
	27.2	15.0	10.0	2.0	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 898

DATA PROCESSING BRANCH
 AFAC/USAF
 AIR WEATHER SERVICE/11AC

SURFACE WINDS

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

STATION 14011 STATION NAME TURKEY WOOD SPAIN/PAKID YEAR 68 MONTH 10
 CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 35	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.3										1.9	1.9
NNE	4.7	.9	.2									4.7	3.6
NE	2.2	2.1	2.2	1.7	.2							11.4	6.0
ENE	3.1	4.4	3.1	.7								17.0	4.5
E	7.4	3.6	.7	.2								11.8	3.3
ESE	2.3	.6										2.9	2.7
SE	.7	.3										1.2	2.6
SSE	.2	.7	.3	.2								1.4	6.8
S	.4	1.2	.2									2.2	5.2
SSW	1.1	1.9	1.5	.2								5.1	5.9
SW	.7	1.4	.7	.1	.1							3.0	6.0
WSW	1.1	.3	.4	.1								2.0	4.6
W	.2	.1	.1	.2								.6	7.8
WNW	.1			.1								.2	7.5
NW	.2											.2	2.0
NNW	.8	.1										.9	2.4
VARBL	3.3	2.1	4.7	1.2								14.0	5.5
CALM												19.4	
	29.5	20.0	15.6	4.2	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING CENTER
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

STATION 14011 TERRETT AB SPAIN/ADALD STATION NAME 68-77 YEARS JUN MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3										1.1	3.2
NNE	1.2	1.0	.6	.4								3.1	5.0
NE	.4	1.4	1.4	1.4								4.8	8.4
ENE	.5	3.2	1.2	1.2	.1							6.3	7.1
E	2.0	2.4	.7									5.7	4.1
ESE	2.1	2.4	.1									5.3	3.5
SE	2.4	1.0	.1									3.6	3.2
SSE	1.0	1.1										2.7	3.4
S	4.5	2.0	.8									7.9	3.4
SSW	1.5	2.7	1.4	.1								5.8	5.3
SW	.5	2.1	2.1	1.4	.1							5.7	7.6
WSW	1.5	1.9	.5	.2								3.8	5.3
W	1.5	.3	.4	.2	.1							2.1	5.8
WNW	.2	.1		.2		.1						.8	10.4
NW	.1											.1	1.0
NNW	.2											.6	3.6
VARBL	12.5	9.4	10.9	4.2	.1							34.7	5.7
CALM												5.1	
	23.1	32.7	18.2	7.4	.4	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

SURFACE WINDS

DATA PROCESSING CENTER
ETAC/CSAF
AIR WEATHER SERVICE/TAC

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

STATION 14011 STATION NAME TURREJO DE SPAIN/ADANJO YEARS 68-77 MONTH JUN
 CLASS ALL WEATHERS 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	.0	1.0	.5	.1								2.1	5.1
NNE	.3	.5	1.2	.4								2.9	7.4
NE	.2	.0	.0	.0								2.2	7.7
ENE	.3	.0	.0	.2								2.0	6.4
E	.7	.9	.0	.2								2.6	5.9
ESE	.0	1.3	.0									2.7	4.9
SE	1.1	.6	.4	.2								2.3	4.9
SSE	1.2	1.6	.4		.1							3.4	4.9
S	1.2	3.2	1.4	.0								6.7	5.9
SSW	1.2	2.8	2.7	.4	.1							7.2	6.5
SW	1.3	1.9	2.2	1.3								6.8	7.4
WSW	.0	2.4	1.9	2.1	.1							7.0	8.1
W	1.2	2.1	1.6	.0								5.7	6.3
WNW	.4	.3	.3	.4								1.6	8.2
NW	.3	.4	.1	.1								1.0	5.2
NNW	.2	.1	.2	.2								.8	8.0
VARBL	0.0	12.9	15.0	6.3	.2							41.6	7.1
CALM												1.6	
	12.7	33.9	20.9	14.4	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

STATION 14011 T-REJUN AB SPAIN/UNAFID STATION NAME 60-77 YEARS JUN MONTH

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

ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.2	1.0	.0	.1							3.0	7.3
NNE	.2	1.4	1.2	.2	.1							3.2	7.3
NE	.1	.8	1.4	.2	.1							2.7	8.0
ENE	.4	1.2	.7	.7	.1							3.1	7.6
E	.0	1.0	1.0	.4	.1							3.1	7.3
ESE	.2	.3	.0	.1								1.2	6.6
SE	1.1	.4	.1	.3	.1							2.1	5.5
SSE	.0	1.0	.3	.1								2.2	4.9
S	1.3	1.9	1.2	.3	.1							4.9	5.8
SSW	.4	1.7	1.3	.7								4.6	6.8
SW	.6	4.6	2.7	.5	.1							6.8	7.4
WSW	1.0	2.2	2.7	2.5								8.8	8.5
W	1.0	3.6	2.1	.2								7.4	6.6
WNW	.3	1.6	.7	.7								3.2	7.2
NW	.3	.7	.4	.2								1.7	6.4
NNW	.3	1.1	.9	.6								2.7	7.5
VARBL	5.2	11.1	14.4	6.0	.3	.1						37.1	7.5
CALM												2.2	
	12.0	33.4	32.3	15.0	1.1	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING SA CO
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURKEY, AS SPAIN/MADRID STATION NAME AS SPAIN/MADRID YEARS 60-77 MONTH JUN

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.9	2.7	.0								7.2	7.0
NNE	1.0	1.8	2.1	.2								5.8	6.0
NE	1.1	1.9	1.6	.0								5.1	6.4
ENE	.7	1.2	1.1	1.1								4.0	7.6
E	1.2	1.2	2.1	.1								5.0	6.6
ESE	.0	.8	.0	.2								1.9	5.6
SE	.2	.3	.6	.2	.1							2.0	6.6
SSE	.4	.6	.0	.2	.1							1.9	7.3
S	.9	1.0	.0	.2								3.8	5.9
SSW	.5	.9	1.1	.0								3.1	7.3
SW	2.1	2.1	2.7	1.2								8.1	6.5
WSW	1.0	4.3	2.7	.1								9.8	6.4
W	1.7	3.3	2.2	.0								8.4	6.0
WNW	.2	.9	.7									2.4	5.0
NW	1.1	1.7	1.2	.2	.2							4.4	6.4
NNW	1.0	1.2	.6	.2								3.8	5.2
VARBL	4.5	2.9	5.0	2.2	.1							15.3	6.6
CALM												7.9	
	22.3	29.8	29.2	10.0	.8							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14J11 STATION TURNEJ, A SPAIN/ADKID STATION NAME 6077 YEARS JULY MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥55	%	MEAN WIND SPEED
N	4.2	3.3	.6	.2								8.0	3.8
NNE	5.2	2.1	2.3	.1								12.8	4.4
NE	2.7	4.3	3.7	2.2								12.9	6.7
ENE	1.3	2.6	1.2	.7								5.8	6.0
E	1.0	1.6	.7									3.8	4.4
ESE	.4	.6	.1									1.1	4.4
SE	.3	.6	.5									1.7	5.3
SSE	.4	.8	.4									1.9	6.1
S	.7	1.6	.7									2.9	5.2
SSW	1.3	1.0	.3	.1								3.3	4.9
SW	1.6	1.1	.6									3.2	4.0
WSW	.2	1.7	.6	.2	.2							3.7	5.3
W	2.4	1.6	.2	.3								4.8	4.0
WNW	1.3	.4										1.8	2.8
NW	1.1	.7										1.8	3.2
NNW	1.3	1.3	.2									3.4	3.5
VARBL	3.9	2.1	2.6	.7								9.4	5.2
CALM												17.8	
	31.2	36.7	15.2	4.4	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

900

27432

DATA PROC. S.I. 6
 ETAC/USAF
 AIR WEATHER SERVICE/AF

SURFACE WINDS

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

14011 STATION TORREJO DE SPAIN/ADRILO STATION NAME 6-77 YEARS JUN MONTH

ALL WEATHER CLASS ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	1.4	.5	.2	.0							4.6	4.3
NNE	3.4	2.2	1.5	.3	.0							7.1	4.6
NE	2.5	2.3	2.3	1.1	.0							8.8	6.0
ENE	2.7	2.4	1.4	.3	.0							7.2	5.3
E	2.3	1.7	.0	.2	.0							4.9	4.5
ESE	1.0	.0	.4	.0	.0							2.1	4.2
SE	.2	.1	.3	.1	.0							1.8	4.7
SSE	.7	.8	.3	.1	.1							2.1	5.5
S	1.4	1.9	.0	.2	.0							4.2	5.0
SSW	1.5	1.8	1.4	.3	.0							4.5	6.0
SW	1.5	1.6	1.6	.7	.0							4.9	6.7
WSW	.9	1.7	1.1	.3	.1							4.5	7.0
W	1.1	1.5	1.0	.4	.0							3.9	5.9
WNW	.5	.4	.2	.2	.0							1.3	6.2
NW	.0	.5	.2	.1	.0							1.4	5.0
NNW	1.0	.6	.2	.1	.0							2.0	4.5
ARBL	5.5	5.5	6.0	2.7	.1							20.8	6.3
CALM												13.7	
	24.0	28.0	20.0	8.1	.5							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 7194

DATA PROCESSING CENTER
 ETAC/LSAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON DE SPAIN/MADRID YEARS 62-77 MONTH JUL

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.3	2.5	.5	.2	.1	.1						7.8	4.2
NNE	5.3	3.5	1.7	.2								10.9	4.1
NE	5.7	5.0	3.7	2.0	.2							20.2	6.3
ENE	3.0	3.7	2.0	.1								10.1	5.7
E	2.2	2.5	.3	.1	.2							5.7	5.2
ESE	.3	.3	.2									.9	4.6
SE	.2	.6	.3									1.2	5.3
SSE	.1	.6	.2									1.1	5.8
S	.1	.5	.1									.8	5.1
SSW	.0	1.1	.1	.1								1.8	4.2
SW	.3	.5	.3									1.2	4.9
WSW	.4	.3	.1									.6	4.0
W	.2	.1	.2	.4								1.0	8.4
WNW	1.1	.1										1.2	2.5
NW	1.2	.3										1.5	2.5
NNW	2.2	.5		.1								2.8	3.1
VARBL	5.2	2.5	1.7	1.1	.1							10.5	4.9
CALM												20.8	
	32.2	25.4	14.7	6.1	.6	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR GATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TURKEY CAMP SPAIN/NAVDAIL YEARS 65-77 JUL MONTH 0300-0500
STATION TIME CLASS HOURS (L.S.T.)

ALL WEATHERS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.0	1.1	.4	.1								7.4	2.9
NNE	0.2	3.3	1.3	.2								13.1	3.6
NE	7.6	4.0	3.0	1.2								15.8	4.6
ENE	7.5	4.3	1.5	.5								13.9	4.4
E	2.7	1.2	.1	.2								4.9	3.9
ESE	.2	.1										.6	3.2
SE	.2	.1										.3	3.0
SSE	.2	.2										.4	3.8
S	.3	.6	.3									1.3	4.8
SSW	.2	.6	.4									1.3	5.4
SW	.1	.6	.1									.9	4.8
WSW	.2	.4	.4									1.3	6.6
W	.4	.1	.1									.6	3.7
WNW	.2	.1										.6	3.2
NW	1.2	.1										1.3	2.5
NNW	2.5	.9	.1									3.9	2.9
VARBL	4.1	1.9	.4	.2								6.7	3.5
CALM												25.6	
	42.0	20.5	6.3	2.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

SURFACE WINDS

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

14011 STATION T.RNEJTA AB SPAIN/PALMID STATION NAME 57-77 YEARS JUL MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	0.0	0.2								3.0	4.9
NNE	3.4	1.3	0.6	0.1								5.5	3.7
NE	5.4	2.0	2.5	1.8								12.2	5.4
ENE	0.4	0.9	3.4	1.0	0.1							18.4	5.4
E	6.0	5.0	1.2	0.2								12.9	3.8
ESE	1.7	0.6										2.6	2.9
SE	1.3	0.3										1.6	2.7
SSE	1.0	0.2										1.2	2.5
S	0.2	1.4	0.3									2.6	4.5
SSW	0.4	1.0	0.5									2.3	5.0
SW	0.4	0.9	0.2	0.1								1.7	5.4
WSW	0.2	0.1	0.1	0.4								1.2	6.5
W	0.2	0.1	0.1	0.1								0.9	4.3
WNW	0.1	0.1										0.2	2.5
NW	0.2											0.3	1.3
NNW	0.2	0.4										1.0	3.0
VARBL	5.5	3.2	3.0	1.0	0.2							14.0	5.7
CALM												18.4	
	27.4	24.6	18.4	20.3	0.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 928

DATA PROCESSING CENTER
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

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

STATION 14011 TARRAGONA SPAIN/HAADRIO STATION NAME 5.0.77 YEAR JUL MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥ 16	%	MEAN WIND SPEED
N	.4	.4	.2	.2								1.6	7.6
NNE	.6	.6	.4	.2								2.3	6.8
NE	.8	1.1	1.6	.2								3.7	6.7
ENE	1.1	2.0	2.6	1.0								6.5	7.1
E	2.2	3.4	1.5	.4								8.0	5.4
ESE	2.5	2.6	.6									5.3	3.7
SE	1.6	1.4	.1									3.1	3.5
SSE	1.5	1.3										3.2	3.2
S	4.1	3.3	.0	.1								8.2	3.9
SSW	2.8	3.0	1.3	.2								6.7	5.0
SW	.8	4.7	1.6	.5								4.9	6.1
WSW	.8	.9	.6	1.1								3.3	8.0
W	1.1	.4	.3	.3								2.0	5.3
WNW	.2											.3	2.3
NW	.1											.1	1.0
NHW	.2			.1								.3	6.3
VARBL	1.1	1.1	1.2	2.2	.4							37.1	5.8
CALM												3.4	
TOTAL	31.2	34.5	22.3	7.4	.5							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 620

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TUPREJTA AB SPAIN/MADRID YEARS 68-77 MONTH JUL
 1200 HOURS (L.S.T.)

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.9	.6	.9								2.8	7.9
NNE	.6	.8	.4	.1								1.9	5.4
NE	.6	.9	.8	.0								2.9	7.2
ENE	.3	1.1	1.1	.1	.1							2.7	6.9
E	.2	2.0	.9									3.7	5.1
ESE	.5	.3										1.6	3.5
SE	.1	.6										.8	4.1
SSE	1.3	1.8	.8									3.9	4.7
S	.8	3.3	1.7	.5								6.4	6.3
SSW	1.1	3.0	2.0	.6	.1							6.9	6.7
SW	.6	1.4	2.7	1.3	.2							6.2	8.6
WSW	.5	1.5	1.6	1.1	.1	.1						4.8	8.1
W	.6	2.6	1.4	.6	.1							5.4	6.9
WNW	.3	.2	.2	.1								.9	5.8
NW	.1	.6	.2	.3								1.1	6.8
NNW	.1	.5	.2	.1								1.0	6.0
VARBL	6.0	11.4	21.5	0.9	.3	.2						46.4	7.6
CALM												.8	
	15.3	33.5	36.0	13.3	.9	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 14011 TURKEY AR SPAIN/MADRID STATION NAME 6877 YEARS MONTH JUL

1500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	1.0	1.4	.1	.1						3.4	9.8
NNE	.5	.3	.6	.6								2.2	8.1
NE	.3	.3	.5	.5	.1							2.3	8.8
ENE	.1	.9	.4	.5								1.9	7.7
E	.4	1.2	1.0	.2								2.8	6.5
ESE	.3	.2	.2									.9	4.9
SE	.2	.4	.4	.1								1.0	6.9
SSE	.3	.3	.3	.1								2.0	5.7
S	1.2	.9	1.5	.5								5.2	6.1
SSW	.4	.3	2.4	1.0	.1							6.1	7.8
SW	.6	1.6	2.6	2.4	.2							7.8	8.9
WSW	.3	2.6	3.5	1.3	.2	.1						8.1	8.5
W	.2	2.7	2.5	1.2	.1							6.8	7.6
WNW	.5	1.0	1.0	.1								2.6	6.6
NW	.3	.5	.3	.2								1.4	6.1
NNW	.6	1.0	.8	.3								2.7	6.2
VARIABLE	3.2	9.7	21.1	7.5	.4							41.9	8.0
CALM												1.0	
	10.1	28.7	40.6	18.1	1.3	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURREJUN AP SPAIN/MADRID STATION NAME 68-77 YEARS JUL MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	2.8	2.7	2.9	.1							8.9	8.7
NNE	1.2	.8	1.2	.6	.2							4.0	7.2
NE	.5	1.1	1.0	1.2	.2							4.0	8.3
ENE	.3	1.7	1.3	1.1	.2							4.6	8.4
E	.9	1.0	.5	.1	.1							2.6	5.7
ESE	.4	.3	.2	.1								1.1	5.3
SE	.0	.5	.4	.2	.1							2.0	6.1
SSE	1.0	.4	.6	.4								2.5	6.3
S	.8	1.1	.4									2.3	4.6
SSW	.6	1.8	.4	.2	.1							3.2	5.7
SW	1.6	2.0	1.6	1.3								6.8	6.7
WSW	1.3	4.3	4.0	.9								10.4	6.6
W	2.5	3.9	4.3	1.0	.1							11.7	6.3
WNW	1.4	1.9	1.5	.4								5.6	6.1
NW	1.1	.5	1.2	.3	.1							3.2	6.7
NNW	.5	2.0	.6	.2								3.5	6.0
VARBL	2.5	3.9	5.3	3.4	.8	.1	.1					19.0	8.5
CALM												4.5	
	17.7	30.1	30.6	14.7	2.0	.1	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME 63-77 YEARS JUL MONTH

2100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.6	1.7	.0								8.6	5.0
NNE	3.2	4.8	3.9	1.2	.1		.1					13.3	6.2
NE	2.4	5.1	3.9	4.3	.5							16.1	7.9
ENE	1.7	2.3	1.2	1.2	.1							6.5	6.4
E	.5	1.5	.3									2.5	4.6
ESE	.4	.4										.9	3.6
SE		.3	.4	.2								1.2	7.3
SSE		.3	.1	.5								1.2	9.0
S		.4	.4		.1							1.3	6.5
SSW	.0	.4	.1									1.2	3.7
SW	1.1	.4	.5	.1								2.2	4.6
WSW	.5	1.7	.4	.2								3.2	5.1
W	2.3	2.6	.2	.5								5.9	4.8
WNW	2.3	1.0	.3									3.5	3.3
NW	.2	.6	.4	.1								2.0	4.8
NNW	2.7	1.9	.5									5.2	3.6
VARBL	2.7	2.2	2.9	1.1	.1							8.9	6.1
CALM												16.3	
	26.6	28.6	17.7	10.2	1.0		.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TURREJON AB SPAIN/MADRID STATION NAME YEARS 68-77 MONTH JUL

ALL WEATHER CLASS HOURS (L.S.T.) ALL

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	1.3	1.0	.4	.0	.0						5.5	5.9
NNE	2.5	1.9	1.3	.5	.0	.0	.0					6.6	5.0
NE	2.9	2.6	2.4	1.6	.1							9.6	6.4
ENE	2.6	2.9	1.7	.9	.1							8.1	5.8
E	2.0	2.3	.6	.2	.0							5.4	4.7
ESE	.9	.7	.1	.0								1.7	3.8
SE	.6	.5	.2	.1	.0							1.4	4.8
SSE	.7	.8	.3	.1								1.9	5.0
S	1.0	1.6	.7	.1	.0							3.5	5.1
SSW	.8	1.7	.9	.4	.0							3.7	6.0
SW	.7	1.3	1.2	.7	.1							4.0	7.2
WSW	.6	1.5	1.4	.6	.0	.0						4.1	7.2
W	1.0	1.6	1.2	.5	.0							4.3	6.3
WNW	.6	.6	.4	.1								1.9	5.0
NW	.6	.3	.2	.1	.0							1.4	5.0
NNW	1.2	.9	.3	.1								2.5	4.3
VARBL	3.0	5.7	9.0	3.0	.3	.0	.0					23.1	6.9
CALM												11.3	
	26.6	28.2	23.1	9.6	.8	.1	.0					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 7437

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURREJUN AB SPAIN/MADRID STATION NAME 68-77 YEARS AUG MONTH

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

ALL WEATHER CLAYS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	1.7	.3	.2								7.4	3.2
NNE	5.4	4.5	3.7	.6								14.3	5.1
NE	4.3	4.3	5.5	2.6								15.9	6.8
ENE	3.4	4.6	2.6	1.3	.1							12.0	5.8
E	1.6	2.3	.5									4.4	4.1
ESE	.4	.4	.1									1.0	4.0
SE	.2	.2	.2	.1								.8	6.3
SSE	.3	.5	.1	.3								1.3	5.9
S	1.1	.9	.8	.4	.1							3.2	6.5
SSW	.2	1.0	.6	.1								1.5	5.4
SW	.3	.3	.5	.1								1.3	6.3
WSW	1.0	.5	.3									1.8	3.9
W	1.1	.2	.2									1.5	3.5
WNW	.6		.1									.8	3.3
NW	.6	.4		.1								1.2	4.5
NNW	2.2	.9										3.0	2.9
VARBL	4.1	1.8	1.9	1.4								9.2	5.5
CALM												18.4	
	32.0	24.6	17.1	7.6	.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 STATION NAME TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH AUG
 HOUR (L.S.T.) 0300-0500

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	6.1	1.8	.1	.3								8.6	3.0
NNE	5.9	3.9	.8	.1								10.6	3.6
NE	8.9	6.0	3.7	1.0								19.6	4.7
ENE	5.7	4.7	1.8	1.2								13.4	5.0
E	2.5	2.9	.5									5.9	3.9
ESE	.3	.2										.5	2.8
SE	.1	.3	.1									.5	5.0
SSE	.2	.2	.1									.3	5.3
S	.2	.2	.8	.1								1.6	5.6
SSW		1.0	.4	.1								1.5	6.6
SW	.6	.6	.4									1.7	4.8
WSW	.4											.4	2.8
W	.5											.5	2.2
WNW	.1	.1										.2	3.0
NW	.3	.2										.5	3.0
NNW	2.0	1.0		.1								3.1	3.0
VARBL	4.8	1.9	1.4	.2								8.4	4.0
CALM												22.6	
	39.6	25.2	10.1	3.1								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 STATION NAME TURREJUN AB SPAIN/NADKID YEARS 68-77 MONTH AUG

CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800

CONDITION _____

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.0	.2	.3								4.7	3.6
NNE	5.1	1.4	.6	.4								7.5	3.7
NE	7.6	4.5	2.4	1.4								15.9	4.9
ENE	7.5	7.0	2.2	1.5	.2							18.4	4.9
E	7.0	5.4	1.3	.5								14.2	4.0
ESE	1.0	.2	.1									1.3	2.8
SE	.5											.5	1.4
SSE	1.0		.1									1.1	2.7
S	1.2	.6										1.8	2.9
SSW	.5	1.3	1.2	.1								3.1	6.0
SW	.2	1.0	.2									1.4	5.2
WSW	.1	.1	.1									.3	5.7
W	.2		.1	.1								.4	6.0
WNW		.1										.1	5.0
NW	.2											.2	2.5
NNW	.8	.1	.2									1.1	3.5
VARBL	4.6	3.3	1.4	1.5								10.9	5.3
CALM												17.0	
	40.8	26.0	10.1	5.9	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/11AC

SURFACE WINDS

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

14011 STATION TURREJTN AB SPAIN/MADRID 68 YEARS AUG MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	.3	.4								1.3	8.6
NNE	1.1	1.0	.6	.4								3.1	6.1
NE	.8	.8	1.4	1.1	.1							4.1	8.5
ENE	1.9	2.8	2.4	1.0	.2							8.3	6.5
E	4.0	4.6	.9	.4	.3							10.2	4.8
ESE	2.9	2.2	.1									5.2	3.3
SE	2.8	1.0										3.8	2.9
SSE	2.5	1.0	.2									3.7	3.4
S	4.6	2.2	.6	.1								7.6	3.7
SSW	2.4	3.2	2.0	.2	.1							8.0	5.4
SW	.9	1.0	1.7	.8								4.3	6.9
WSW	.5	.9	1.4	.2								3.0	6.6
W	1.0	.3	.2									1.5	3.9
WNW	.2	.1	.1									.4	4.5
NW	.1		.1									.2	4.5
NNW	.2			.1								.3	6.7
/ARBL	8.4	10.9	8.2	3.5	.1							31.1	6.0
CALM												4.0	
	34.3	32.2	29.4	8.3	.9							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TURREJTN AB SPAIN/MADRID
STATION NAME

58-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200
HOURS (EST.)

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	.6	.2								2.7	5.2
NNE	.5	1.0	1.5	.6	.1							3.8	7.7
NE	.3	.5	.9	.6	.1							2.6	8.7
ENE	.3	.3	.5	.6	.2							2.2	10.1
E	.6	1.5	.3	.1								2.6	5.3
ESE	.6	.6	.1									1.4	3.6
SE	.4	1.1	.4									1.9	4.6
SSE	1.0	1.5	.1	.2								2.8	4.6
S	2.2	4.9	1.3									8.4	4.8
SSW	1.3	4.2	1.8	1	.2							8.6	6.7
SW	1.2	2.6	3.0	4	.1							8.3	7.6
WSW	.6	2.0	1.6	.6	.1							6.0	8.2
W	.9	1.9	1.6	.4								4.8	6.5
WNW	.3	.8	.2	.3								1.6	6.8
NW	.1	.2	.3	.2								.9	8.3
NNW	.2	.4	.3	.1	.1							1.2	7.3
VARBL	5.1	11.0	16.2	6.5								38.7	7.4
CALM												1.6	
	16.9	35.3	31.0	14.3	1.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TORREJON AB SPAIN/MADRID STATION NAME 68777 YEARS 1977 AVG MONTH 1500

HOUSE (L.S.T.) 1700

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	.5	.9	1.1	1.0	.3							3.8	9.1
NNE	.6	.9	.5	.4								2.5	6.4
NE		.6	.6	1.1	.1							2.6	11.0
ENE	.3	1.0	1.0	.3	.4							3.0	8.6
E	.6	1.1	.4	.2								2.4	5.6
ESE	.6	.3		.1								1.1	4.2
SE	.4	.5	.1	.1								1.2	4.7
SSE	.9	1.0	.3	.1								2.3	4.9
S	1.1	1.5	.9	.5								4.0	6.2
SSW	1.2	3.2	2.0	.9	.1							7.4	6.7
SW	.9	2.7	2.4	1.4	.3							7.6	7.8
WSW	.5	4.0	3.1	2.3	.2							10.1	8.2
W	1.3	2.0	2.6	.8	.1							6.8	6.9
WNW	.3	1.1	.6	.4								2.5	7.5
NW	.2	.4	.5	.3								1.5	8.1
NNW	.1	.8	1.1	.6	.1							2.8	9.2
VARBL	4.0	8.6	16.4	8.1	.5							37.6	8.2
CALM												1.0	
	13.7	30.6	33.7	18.7	2.3	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AR SPAIN/MADRID STATION NAME

68-77 YEAR

AUG MONTH

ALL WEATHER CLASS

1800 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.4	3.3	3.9	.2							11.1	9.0
NNE	1.2	1.7	2.2	.2	.1							5.4	6.2
NE	.8	1.5	1.0	.9	.1							4.2	7.1
ENE	.4	.9	.8	.9	.2							3.1	8.8
E	.2	1.4	1.0	.6								3.2	7.7
ESE	.2	.4	.3		.1							1.1	6.5
SE	.3	.5	.4	.2	.2							1.7	7.7
SSE	.3	.6	.6	.3								2.4	6.0
S	1.4	1.6	.6	.1								2.8	4.9
SSW	2.2	1.5	.5	.1								4.3	4.4
SW	.8	2.0	.8	.1								3.7	5.4
WSW	1.7	2.9	3.4	1.2								9.2	6.8
W	2.1	4.8	2.9	.5								11.4	5.4
WNW	1.4	1.5	1.8	.6								5.5	6.8
NW	1.4	1.7	.4	.2	.1							3.9	5.3
NNW	1.1	1.4	.9	1.1								4.4	6.7
VARBL	2.7	2.3	5.5	3.7	.3							16.4	7.9
CALM												7.3	
	20.9	29.2	26.5	14.7	1.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR CENTER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 6877 YEARS AUG MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	2.6	.9	.5								7.7	4.2
NNE	3.3	5.6	5.4	.9								15.2	5.3
NE	2.8	2.7	4.4	4.3	.5							14.7	8.3
ENE	2.4	2.9	1.7	1.0	.4							8.4	6.4
E	.8	.9	1.0	.2								2.8	6.0
ESE	.5	.1	.2									.9	4.5
SE	.3	.5	.4	.4								1.7	7.4
SSE	.3	.5	.3	.5								1.7	7.8
S	.3	1.2	.2									1.7	4.9
SSW	.3	.3	.3									1.0	4.8
SW	.9	1.2	.1									2.2	3.9
WSW	.9	.3	.2									1.4	3.8
W	1.6	1.6	.5	.2								4.0	4.6
WNW	1.4	.5	.1	.1								2.2	3.8
NW	1.6	.3										2.3	3.4
NNW	2.9	2.4										5.3	3.3
VARBL	4.4	1.6	1.9	1.5	.3							9.8	6.0
CALM												17.2	
	28.5	25.3	18.1	9.7	1.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TORREJON AB SPAIN/MADRID STATION NAME YEARS 68-77 AUG MONTH

ALL WEATHER CLASS

ALL YEARS (L. T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.4	.9	.9	.1							5.9	5.5
NNE	2.9	2.5	1.9	.5	.0							7.6	5.2
NE	3.2	2.6	2.5	1.7	.1	.0						10.1	6.5
ENE	2.8	3.0	1.6	1.0	.2							8.6	5.9
E	2.2	2.5	.7	.3	.0							5.7	4.7
ESE	.8	.6	.1	.0	.0							1.5	3.8
SE	.6	.5	.2	.1	.0							1.5	4.9
SSE	.8	.7	.2	.2	.0							1.9	4.9
S	1.5	1.6	.7	.2	.0							4.0	4.8
SSW	1.0	2.0	1.1	.3	.1							4.4	5.9
SW	.7	1.4	1.1	.5	.1							3.8	6.7
WSW	.7	1.3	1.3	.7	.0							4.0	7.1
W	1.2	1.4	1.0	.3	.0							3.9	5.6
WNW	.6	.5	.4	.2	.0							1.7	6.1
NW	.6	.4	.2	.1	.0							1.3	5.3
NNW	1.2	.9	.3	.3	.0							2.6	5.0
VARBL	4.8	5.2	6.6	3.3	.2							20.0	6.8
CALM												11.1	
	28.3	28.5	20.9	10.3	.9	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

7439

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS SEP MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	.9										5.3	2.4
NNE	6.6	2.1	1.3	.2								10.2	3.7
NE	5.1	3.8	1.9	.1								10.9	4.2
ENE	4.4	3.9	.6	.2								9.1	3.9
E	2.6	2.4	.3									5.3	3.7
ESE	.2	.1	.1									.4	4.5
SE	.4	.1										.6	3.2
SSE	.6	.7	.2									1.4	4.8
S	.7	1.4	.8									2.9	5.2
SSW	1.1	1.1	1.2									3.4	5.4
SW	.1	1.2	.9	.1								2.3	6.5
WSW	.7	.8	.6	.1								2.1	4.9
W	1.0	.1	.2	.1								1.4	3.9
WNW	.8	.1	.2	.2								1.3	4.7
NW	.6	.1	.2									.9	4.0
NNW	1.2	.6	.1									1.9	2.8
VARBL	4.3	2.8	2.1	.2								9.4	6.4
CALM												30.9	
	34.8	22.2	10.8	1.3								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 6877 YEARS SEP MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	.6	.4	.1								2.9	2.8
NNE	7.7	3.2	.7	.4								12.0	3.5
NE	9.0	3.9	.3	.4								13.7	3.3
ENE	6.1	2.8	.3									9.2	3.1
E	2.9	1.9	.3	.1								5.2	3.7
ESE	.4	.2										.7	2.8
SE													
SSE		.1										.1	4.0
S		1.8	.7									2.4	5.6
SSW	.4	1.4	1.8	.1								3.8	6.6
SW	.6	1.1	1.2									2.9	5.7
WSW	.3	.6	.1	.2								1.2	5.6
W	.6	.2	.1	.1	.1							1.1	6.0
WNW	.6	.1	.2									.9	4.3
NW	.6	.1	.1									.7	3.2
NNW	.6	.3										.9	2.9
VARBL	4.8	1.7	.8	.2								7.5	3.5
CALM												31.8	
	39.3	19.9	7.1	1.8	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME YEARS 68-77 MONTH SEP

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

ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.3	.6	.1								2.8	4.0
NNE	5.2	.4	.9	.2								7.0	3.9
NE	10.0	2.3	.4	.7								13.4	3.3
ENE	11.1	4.9	.8									16.8	3.1
E	7.9	2.4	.3									10.7	2.8
ESE	1.2			.1								1.3	2.8
SE	.2											.2	2.0
SSE	.6	.1										.7	2.2
S	.3	1.1	1.0	.2								2.7	6.5
SSW	1.2	1.2	1.4	.2								4.1	5.9
SW	1.0	.8	.7	.2								2.7	5.5
WSW	.4	.3	.6									1.3	5.8
W	.3	.1	.3	.1								.9	6.4
WNW			.1									.1	8.0
NW	.4			.1								.6	4.2
NNW	.7	.2	.2									1.1	3.3
VARBL	3.3	2.2	1.4	.8								7.8	5.0
CALM												25.9	
	45.8	16.6	8.8	2.8	.2							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 6877 YEARS SEP MONTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	.7								2.3	7.3
NNF	.7	.8	.8	.6								2.8	6.8
NE	.9	.7	.6	1.0								3.1	7.6
ENE	2.2	2.3	1.7	.6								6.8	5.5
E	5.0	3.6	.8									9.3	3.6
ESE	4.2	1.0	.2									5.6	2.7
SE	2.4	.4	.2	.1								3.2	3.1
SSE	2.9	1.0										3.9	2.8
S	3.4	2.4	1.0									6.9	4.0
SSW	1.8	2.9	1.3	.8	.1							6.9	5.9
SW	1.8	1.9	2.9	1.0								7.6	6.6
WSW	1.0	1.4	1.6	1.0								5.0	7.2
W	.6	.2	.4	.3								1.6	6.6
WNW	.3											.3	1.3
NW	.1											.1	1.0
NNW	.2	.1										.3	3.3
VARBL	10.8	7.3	4.0	1.2								23.3	4.6
CALM												11.1	
	38.9	26.7	16.0	7.2	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
 STATION

TORREJON AR SPAIN/MADRID

68-77

YEARS

SEP
 MONTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	.6	.3	.2							2.9	8.4
NNE	.1	.4	.7	.3								1.6	7.9
NE	.2	.7	.7									1.6	6.1
ENE	1.0	1.1	.7	.1								2.9	5.2
E	1.0	1.3	.2	.1								2.7	4.4
ESE	1.0	1.1										2.1	3.6
SE	.7	.2	.1									1.0	3.6
SSE	1.3	.9	.1									2.3	3.3
S	2.6	3.3	1.2	.1								7.2	4.6
SSW	1.3	3.9	1.8	.8	.1							7.9	6.4
SW	1.6	3.9	2.4	3.0	.9	.1						11.9	8.7
WSW	1.8	3.2	2.3	2.4	.3							10.1	7.8
W	1.1	2.0	1.6	.4								5.1	6.3
WNW	.4	1.1	.7	.2								2.4	6.0
NW	.4	.2		.1								.8	4.3
NNW	.4	.4	.1									1.0	4.1
VARBL	7.3	10.9	11.9	3.3	.2							33.7	6.4
CALM												2.9	
	22.9	35.6	25.0	11.8	1.8	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

900

1
DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH SEP

1500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.2	1.4	.2							4.3	9.6
NNE	.1	.2	.4	.3								1.1	8.1
NE	.1	.8	.3									1.2	5.5
ENE	.6	.8	.1									1.4	4.1
E	1.0	1.0	.2									2.2	3.8
ESE	.9	1.0										1.9	3.6
SE	1.3	.6	.3									2.2	3.8
SSE	.6	1.2	.2									2.0	4.4
S	1.2	2.3	1.3	.2								2.0	4.4
SSW	2.1	3.3	1.9	.1								5.1	5.4
SW	1.7	2.8	1.7	2.4	.4							7.4	5.5
WSW	.8	3.7	3.6	3.7	.4							9.0	8.1
W	1.7	2.2	3.1	2.0	.1	.1						12.1	8.8
WNW	.6	.8	1.2	.2								9.2	7.7
NW	.2	.9	.4	.2								2.8	7.0
NNW	.1	1.0	.7	.3	.1							1.8	6.5
VARBL	4.4	10.7	9.4	5.4	.1							2.2	7.9
CALM												30.1	7.0
												3.8	
	17.7	34.3	26.2	16.4	1.4	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TURREJON AB SPAIN/MADRID STATION NAME YEARS 68-77 MONTH SEP

1800 HOURS (L.S.T.) 2000

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.6	2.7	1.3	.1							10.8	6.0
NNE	1.4	1.8	.9									4.1	4.7
NE	1.8	1.4	.7	.1								4.0	4.4
ENE	1.2	1.1	.7	.1								3.1	5.0
E	.6	1.1	.2	.1								2.0	4.7
ESE	.4	.4	.1									1.0	3.9
SE	.7	.3										1.0	3.3
SSE	.8	.6	.3									1.7	4.7
S	1.1	1.7	.8									3.6	4.6
SSW	1.2	1.4	1.3									4.0	5.0
SW	2.7	2.1	1.4									6.2	4.8
WSW	3.0	2.6	3.0	2.0	.2							10.8	6.9
W	3.0	2.7	1.3	.7								7.7	5.0
WNW	3.9	1.0	1.6	.4								6.9	4.8
NW	1.7	1.8	.4	.1								4.0	4.4
NNW	1.4	1.7	.4	.2								3.8	4.6
VARBL	2.6	1.0	2.0	1.1								6.7	6.1
CALM												18.8	
	30.6	26.2	17.9	6.2	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 6877 YEARS SEP MONTH

2100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	2.0		.2								6.1	3.3
NNE	5.4	4.8	1.6	.1								11.9	4.0
NE	4.6	7.4	1.3	.1								13.4	6.3
ENE	2.2	3.0	1.3	.2								6.8	4.8
E	2.1	.4	.3	.1								3.0	3.5
ESE	.2											.2	1.5
SE		.2	.1									.3	5.3
SSE	.4	.8	.3									1.6	6.6
S	.8	1.2	1.2									3.2	5.6
SSW	.7	1.3	.4									2.4	4.8
SW	.9	1.0	.6	.1								2.6	5.3
WSW	1.1	1.1	.4	.3								3.0	5.2
W	1.1	1.0	1.6	.3								4.0	6.4
WNW	.3	.4	.4									1.2	5.9
NW	.7	.7	.2									1.6	4.2
NNW	1.2	.6	.1									1.9	3.0
VARBL	3.1	2.4	1.9	1.1								8.6	5.6
CALM												28.2	
	28.8	28.4	11.9	2.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS SEP MONTH

ALL WEATHER CLASS ALL HOURS (L.S.T.)

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	1.2	.8	.6	.1							5.1	5.2
NNE	3.4	1.7	.9	.3	.0							6.3	4.2
NE	4.0	2.6	.8	.3								7.7	4.1
ENE	3.6	2.5	.8	.2								7.0	4.0
E	2.9	1.8	.3	.1								5.1	3.5
ESE	1.1	.5	.1	.0								1.6	3.1
SE	.7	.2	.1	.0								1.1	3.4
SSE	.9	.7	.2									1.7	3.8
S	1.3	1.9	1.0	.1								4.3	5.0
SSW	1.2	2.1	1.4	.3	.0							5.0	5.8
SW	1.3	1.8	1.5	.9	.2	.0						5.6	7.0
WSW	1.1	1.7	1.5	1.2	.1							5.7	7.4
W	1.2	1.1	1.1	.5	.0	.0						3.9	6.3
WNW	.9	.4	.6	.1								2.0	5.4
NW	.6	.5	.2	.1								1.3	4.6
NNW	.7	.6	.2	.1	.0							1.6	4.4
VARBL	5.1	4.9	4.2	1.7	.0							15.9	5.7
CALM												19.2	
	32.3	26.2	15.5	6.3	.5	.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 7199

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 STATION NAME TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH OCT

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.8	1.5	.4	.8	.2							6.7	4.6
NNE	5.9	2.7	.3	.3								9.2	3.3
NE	8.8	5.6	1.6	.4								16.5	3.8
ENE	5.8	2.7	.5	.1								9.1	3.3
E	2.0	1.8	.3	.1								4.3	3.8
ESE	.4	.4										.9	3.0
SE	.3	.5	.1									1.0	4.3
SSE	.1	.4	.5	.5								1.6	9.1
S	1.3	.9	.4		.1	.1						2.8	5.6
SSW	.4	1.3	.8	.1		.1						2.7	6.4
SW	.4	1.2	1.1	.4	.1							3.2	7.4
WSW	.4	.8	.9	.4								2.5	7.3
W	1.1	.1	.6	.3	.2	.1						2.5	7.6
WNW	.2	.2	.3	.1								.6	7.2
NW	.2	.2	.3	.1								.9	6.1
NNW	1.7	.3	.1									2.2	2.4
VARBL	4.6	1.7	1.6	.3								8.3	4.1
CALM												25.2	
	37.6	22.2	10.0	4.1	.6	.3						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77
YEARS

DCI
MONTH

27452

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	1.4	.6	.8	.2							6.7	5.3
NNE	6.6	1.8	.8	.2								9.4	3.4
NE	7.4	4.6	1.1	.4								13.5	3.8
ENE	4.8	3.8	.9	.2								9.7	3.8
E	2.3	1.4	.1	.1								3.9	3.4
ESE	.6		.2									.9	3.6
SE	.5	.3	.2									1.1	6.0
SSE		.3	.3									1.0	10.0
S	.6	1.2	1.2	.1								3.1	5.9
SSW	.3	1.2	.9	.6								3.0	7.2
SW	.4	.4	1.0	.2								2.0	7.2
WSW	.9	.4	.9	.5								2.7	6.9
W	.1	.4	.8	.4		.1						1.8	9.2
WNW	.4	.2	.1	.1								.9	4.8
NW	.2	.1	.1									.4	5.0
NNW	1.6	.3										1.9	2.4
VARBL	3.2	2.2	1.4	.3	.1							7.2	4.8
CALM												30.9	
	33.8	20.1	10.4	4.4	.3	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 6.3.77 YEARS OCT MONTH

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

ALL WEATHER
CLASS

CONDITION _____

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	.4	1.1	.1							5.1	6.4
NNE	6.3	2.7	1.0	.4								10.4	3.7
NE	7.4	2.4	1.6	.6								13.1	4.0
ENE	8.4	3.2	.5	.1								12.3	3.2
E	2.6	1.4	.6	.2								4.8	4.2
ESE	.4											.4	1.5
SE	.3	.1	.1									.5	3.6
SSE	.1	.5	.8									1.4	6.3
S	.3	.8	.4	.3								1.8	6.5
SSW	.2	1.2	1.2	.4								3.0	7.3
SW	.2	.4	1.4	.5								2.6	8.3
WSW	.8	.1	.8	.9								2.5	8.0
W	.8	.4	.9	.4								2.5	6.7
WNW	.1	.1	.2	.2								.6	7.8
NW	.2	.1	.1	.1								.4	6.5
NNW	.6	.2	.2	.1								1.0	5.3
VARBL	3.3	1.3	.6	.8								6.0	4.7
CAIM												31.9	
	33.5	17.8	10.8	6.2	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TORREJON AB SPAIN/MADRID

68
YEARS

OCT
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.2	.2								1.7	8.0
NNE	.8	.2	.4	.9	.3							2.6	9.2
NE	3.0	.9		1.1								5.2	5.1
ENE	3.5	2.4	1.7	1.3								8.9	5.5
E	6.7	3.7	1.0	1.0								12.3	4.3
ESE	2.4	1.0	.3									3.7	3.1
SE	.9		.3									1.2	3.5
SSE	1.9	.1	.4	.5								3.0	5.0
S	2.9	.9	1.1	.2	.3							5.4	5.2
SSW	1.7	2.4	1.2	.3								5.6	5.1
SW	.5	1.0	1.7	1.3	.1							4.6	8.8
WSW	.4	1.1	.8	.9	.3							3.4	9.0
W	.4	.4	.4	.4								1.7	7.2
WNW	.1	.4	.3	.4	.2							1.5	10.1
NW	.3		.2	.2	.1	.1						1.0	10.4
NNW	.2	.1	.2	.1	.1							.6	7.7
VARBL	11.5	4.1	3.8	1.7	.4	.1						21.6	4.9
CALM												16.0	
	37.7	18.6	14.3	11.0	1.9	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TORREJON AR SPAIN/MADRID
STATION NAME

68-77
YEARS

OCT
MONTH

1200
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6	1.2	.1							3.2	9.4
NNE	.4	.3	.3	.6	.1							1.8	9.1
NE	.8	.6	.9	.2								2.5	6.2
ENE	.1	.9	1.3	1.3								3.3	9.0
E	1.0	1.1	1.1	.2								3.3	5.7
ESE	1.1	.5	.1									1.7	3.4
SE	1.3	.9	.3	.2								2.7	4.6
SSE	1.9	1.0	.6	.5								4.1	5.3
S	4.0	2.7	1.7	.6								9.0	4.8
SSW	2.6	1.9	1.6	.8	.2							7.1	6.1
SW	1.3	2.8	2.7	1.5								3.3	7.0
WSW	1.0	1.4	1.2	2.4	.5							4.5	9.4
W	1.4	.9	.8	1.1								4.1	6.8
WNW	.6	.5	.2	.8	.1							2.3	8.2
NW	.1	.1	.2	.2								.6	9.3
NNW	.2	.9	.6	.1								1.8	6.5
VARBL	11.2	9.5	6.0	3.2	.9	.1						30.9	5.9
CALM												6.6	
	28.9	27.2	20.3	14.9	1.9	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID

68-77 YEARS

OCT MONTH

ALL WEATHER CLASS

1500 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.0	1.4	1.9	.4	.1						5.7	9.5
NNE	1.0	.8	.3	.3	.1							2.5	5.9
NE	.6	1.2	.5	.3								2.7	5.5
ENE	.5	.6	.9	1.2								3.2	8.5
E	.8	.8	.5	.2								2.3	5.9
ESE	.5	.3	.2									1.1	3.9
SE	.9	.6	.6	.2								2.4	5.3
SSE	1.1	1.5	.8	1.0								4.3	6.7
S	1.8	1.4	1.6	.5	.1							5.5	6.0
SSW	2.8	2.5	1.1	.3	.1							6.8	4.9
SW	2.8	3.6	1.6	1.8	.1							9.9	6.3
WSW	3.4	2.9	2.7	1.9	.9							11.8	7.1
W	2.6	1.6	1.3	1.4								6.9	6.3
WNW	.5	.3	.4	.5	.3							2.2	9.2
NW	.5	.4	.6	.5								2.2	7.3
NNW	.2	.1	.3		.2							.9	8.9
VARBL	6.1	5.9	3.6	2.6	.9	.2						19.3	6.5
CALM												10.5	
	27.1	25.5	18.5	14.9	3.1	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
 STATION

TORREJON AB SPAIN/MADRID
 STATION NAME

68-77
 YEARS

OCT
 MONTH

ALL WEATHER
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	2.3	1.9	2.3	.3							11.4	6.5
NNE	3.5	2.4	1.1	.2								7.2	4.3
NE	2.4	1.4	.8	.1								4.6	4.3
ENE	1.7	1.3	.9									3.9	4.4
E	.6	.5	.4	.1								1.7	5.2
ESE	.4	.4	.2									1.1	4.3
SE	.5	.4	.6									1.6	5.3
SSE	.6	1.3	.8	.1	.2							3.0	6.4
S	1.6	1.1	.8									3.4	4.3
SSW	.4	1.2	1.0	.2	.1							2.9	6.6
SW	1.4	1.3	1.8	.4								4.9	6.3
WSW	2.0	1.4	1.6	.5	.1							5.7	6.0
W	2.4	1.7	1.1	.9								6.0	5.6
WNW	1.3	1.2	.9	.2								3.5	5.2
NW	.6	1.4	.5	.2		.1						2.9	6.1
NNW	2.4	1.5	.2	.2								4.3	3.8
VARBL	3.2	1.7	1.1	.2	.2							6.5	4.6
CALM												25.3	
	29.9	22.5	15.6	5.7	1.0	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TURREJON AR SPAIN/MADRID
STATION NAME

68-77
YEARS

DCT
MONTH

07453

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	1.3	.4	.8	.2							7.5	4.4
NNE	7.0	3.8	.9	.6								12.3	3.9
NE	4.1	3.7	1.7	.2								9.7	4.4
ENE	3.4	1.9	.6	.3								6.3	4.1
E	.8	1.1	.3	.2								2.6	5.3
ESE	.3	.4	.1									.9	4.5
SE	.2	.3	.1		.1							.8	5.7
SSE	.6	.3	.2	.5	.1							1.8	7.5
S	.9	1.0	1.0	.4								3.2	6.7
SSW	.8	.9	.9									2.5	5.2
SW	.2	1.7	1.5	.3								3.8	6.8
WSW	.3	1.1	1.6	.5								3.5	7.3
W	.8	.8	.6	.4								2.6	6.2
WNW	.6	.4	.1	.4								1.6	6.6
NW	.5	.1	.3	.1								1.1	5.8
NNW	1.6	.6	.1									2.4	3.0
VARBL	3.8	1.9	1.3	.8	.1							7.8	4.9
CALM												29.9	
	30.8	21.3	11.8	5.7	.5							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 AFAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
 STATION

TORREJON AB SPAIN/MADRID
 STATION NAME

68-77
 YEARS

OCT
 MONTH

ALL WEATHER
 CLASS

ALL
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	1.4	.8	1.2	.2	.0						6.0	6.3
NNE	3.9	1.8	.6	.5	.1							6.9	4.2
NE	4.3	2.7	1.0	.4								8.5	4.2
ENE	3.5	2.1	.9	.6								7.1	4.5
E	2.1	1.5	.6	.3								4.4	4.5
ESE	.8	.4	.1									1.3	3.4
SE	.6	.4	.3	.1	.0							1.4	4.7
SSE	.8	.7	.6	.4	.0							2.5	6.5
S	1.7	1.2	1.0	.3	.1	.0						4.3	5.4
SSW	1.2	1.6	1.1	.3	.1	.0						4.2	5.9
SW	.9	1.5	1.6	.8	.0							4.9	7.1
WSW	1.2	1.1	1.3	1.0	.2							4.8	7.6
W	1.2	.8	.8	.7	.0							3.5	6.6
WNW	.5	.4	.3	.3	.1							1.7	7.3
NW	.3	.3	.3	.2	.0							1.2	7.0
NNW	1.1	.5	.2	.1	.0							1.9	4.2
VARBL	5.9	3.5	2.4	1.2	.3	.1						13.4	5.4
CALM												22.0	
	32.4	21.9	14.0	8.4	1.2	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

7639

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME 68M77 YEARS NOV MONTH

0000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	1.4	1.1	.3	.1							6.9	4.5
NNE	4.8	2.4	.6	.9								8.7	4.3
NE	7.8	2.9	1.3	.9	.1							12.0	4.1
ENE	5.0	3.1	1.0									9.1	3.9
E	1.8	1.4	.3									3.6	3.8
ESE	.4	.1		.1								.7	4.2
SE	.2	.1										.3	3.0
SSE	.2	.2	.2	.1								.8	6.7
S	.3	.9	.7	.6								2.6	7.4
SSW	.5	1.0	1.0	.6								3.4	6.2
SW	1.0	.9	1.6	.7								4.1	6.9
WSW	.7	.3	.1	.6								1.7	6.7
W	.3	.2	.4	.4								1.4	7.3
WNW	.3	.2	.1	.1								.8	5.7
NW	.2	.1	.1	.1								.4	6.8
NNW	1.6	.2	.1									1.9	3.1
VARBL	3.7	1.6	1.6	1.8	.1	.3						9.0	6.8
CALM												31.7	
	33.1	17.1	10.2	7.1	.3	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID

68-77

YEARS

NOV
 MONTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.1	.9	.6	.3	.1							5.0	4.5
NNE	5.5	2.3	.8	.4	.1							9.1	4.0
NE	5.7	2.7	1.0	1.1	.1							10.6	4.6
ENE	4.2	2.7	.9	.1	.1							7.9	4.0
E	2.0	2.0	.3									4.3	3.7
ESE	.2	.3										.6	3.4
SE	.4	.2										.7	3.0
SSE	.3	.1										.8	7.9
S	.3	1.6	.0	.3								3.0	6.3
SSW	.7	.8	1.1	.4								3.0	7.1
SW	.4	1.3	1.4	.7								3.9	7.5
WSW	.4	.6	.6		.1							1.7	6.1
W	.7	.4	.9	.3								2.3	6.9
WNW	.3	.1	.1	.3								.9	8.1
NW	.3	.1	.2	.2								.8	7.4
NNW	.9	.7	.3									1.9	3.9
VARBL	3.6	1.9	1.0	2.0	.2	.3						9.0	7.0
CALM												34.6	
	29.1	18.6	10.0	6.6	.8	.3						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

899

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 65-77 YEARS NDV
NORTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.1	.6	.6								6.2	4.2
NNE	5.7	1.9	.9	.4								8.9	3.9
NE	4.6	1.7	1.0	.4								7.7	4.0
ENE	4.9	.9	.7	.1								7.6	3.5
E	2.3	1.2	.3	.1								4.4	3.5
ESE	.6	.2										.8	2.4
SE	.3		.1									.4	3.0
SSE	.4	.1	.1									.7	3.2
S	1.2	1.3	.8	.9		.1						4.3	7.1
SSW	.8	1.6	1.8	1.0								5.1	7.3
SW	.6	1.1	.9	.3	.1							3.0	6.7
WSW	.7	.8	.3	.3	.1							2.2	6.6
W	1.0	.6	.7	.3								2.6	5.5
WNW		.2	.1									.3	6.3
NW		.3	.1									.4	5.3
NNW	1.2	.3		.1								1.7	3.4
VARBL	3.1	1.4	1.4	1.2	.7	.1						8.0	7.0
CALM												35.7	
	31.8	15.8	9.8	5.9	.9	.2						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 600

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TURREJON DE SPAIN/MADRID

STATION NAME

5877

YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.3	.4	1.0	.1	.1						3.2	8.1
NNE	2.0	.9	.8	.6	.1							4.3	5.5
NE	2.6	1.6	1.1	.7	.4							6.6	6.1
ENE	3.8	2.7	.9	1.0	.1							8.5	5.3
E	5.5	1.4	1.7									8.6	3.8
ESE	1.8	.3										2.1	2.3
SE	.7	.1										.8	2.6
SSE	1.7	.3	.3									2.3	3.0
S	2.1	1.1	.3	.7	.3							4.6	6.2
SSW	2.2	1.3	1.0	.4	.2							5.6	5.9
SW	1.3	.8	1.4	1.5	.2							5.6	8.3
WSW	.7	.3	1.1	.9								3.0	8.4
W	.6	.4	.3	.6								1.9	7.1
WNW	.1	.3	.2	.3								1.0	7.4
NW	.1	.3	.3									.8	6.4
NNW	.2	.1	.1	.2								.6	7.0
VARBL	4.4	2.3	2.4	2.2	1.2	.4	.1					13.2	8.1
CALM												27.5	
	31.1	14.7	12.6	10.7	2.8	.6	.1					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

999

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/1AC

SURFACE WINDS

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

14011 STATION TURREJITIA AB SPAIN/MADRID STATION NAME 58-77 YEARS NOV MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.6	.7	2.2	.4	.2						5.3	10.3
NNE	.8	1.6	.6	.2	.3							3.4	6.6
NE	.7	1.1	1.3	1.1								4.2	8.0
ENE	1.4	2.0	1.6	.9								5.9	6.5
E	1.8	1.0	.7									3.4	3.9
ESE	.9	.4	.1									1.4	3.5
SE	.6			.3								.9	6.1
SSE	1.6	.3	.3	.1								2.3	3.5
S	3.7	1.9	1.6	.8	.2							7.6	5.0
SSW	3.1	2.9	1.6	.8		.1						8.4	5.5
SW	2.3	3.0	1.3	1.7	.2	.1						8.7	7.1
WSW	1.6	1.3	1.9	1.7	.1							6.6	7.6
W	.9	.8	.9	.8								3.3	7.2
WNW	.7	.4	.1	.9	.3							2.4	9.1
NW	.3	.2	.4	.1								1.1	6.3
NNW	.9	.3	.2	.3	.1							1.9	5.8
VARBL	6.0	4.1	3.8	3.6	1.4	.7						19.6	8.1
CALM												13.4	
	28.3	22.0	16.4	15.4	3.2	1.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

14011
 STATION

TORREJON AB SPAIN/MADRID

STATION NAME

68-77

YEARS

NOV
 MONTH

1500
 HOURS (L.S.T.)

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.8	1.7	2.1	.4	.1						6.4	9.1
NNE	1.3	.7	1.0	.5	.3							3.7	6.9
NE	2.1	1.1	1.7	.8								5.7	6.2
ENE	1.3	.9	1.1	.9								4.2	6.7
E	.7	1.1	.8	.2								2.8	6.1
ESE	.7	.1										.8	2.4
SE	.7	.1										.9	4.4
SSE	.3	.3	.3	.3	.1							1.4	8.2
S	1.1	1.6	1.0	.4								4.1	5.9
SSW	2.4	2.1	1.3	.1								6.3	4.6
SW	2.3	3.4	2.6	1.8	.1							10.2	6.8
WSW	2.7	2.1	1.8	1.7	.2							8.4	6.8
W	2.7	1.0	1.1	.4								5.2	5.0
WNW	.6	.3	.6	1.2	.2							2.9	10.0
NW	.7	.4	.6	.3	.1							2.1	7.2
NNW	.4	.2	.7	.8	.1							2.2	9.1
VARBL	3.3	2.8	2.3	2.1	1.2	.7						12.4	8.5
CALM												20.1	
	25.0	19.1	18.4	13.6	3.0	.8						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TORREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS NOV MONTH
1800-2000 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.4	3.6	2.1	.9	.4	.2						12.7	5.7
NNE	3.2	3.6	1.2	.6								8.6	4.7
NE	2.1	2.7	1.8	.4	.1							7.1	5.8
ENE	1.1	1.8	1.6	.6								5.0	6.1
E	1.8	.8	.1	.1								2.8	3.8
ESE	.1											.2	4.5
SE	.1					.1						.3	12.0
SSE	.3	.2		.2								.8	6.7
S	.1	1.4	1.3	.2								3.1	6.6
SSW	1.0	.8	1.2	.7								3.7	6.8
SW	.9	1.2	1.1	.3								3.7	6.2
WSW	1.0	1.0	.8	.8	.2							3.8	7.5
W	1.1	.7	1.1	.8								3.7	6.9
WNW	.4	.4	.6	.3	.1							1.9	7.3
NW	1.0	.4	.2	.1								1.8	3.9
NNW	2.1	2.1	.4	.1								4.8	4.1
VARBL	3.8	1.7	2.6	1.7	.3	.2						10.1	7.0
CAIM												26.1	
	25.7	22.4	16.1	7.9	1.2	.6						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

900

SURFACE WINDS

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

14011 STATION TURKEYIN AB SPAIN/MADRID STATION NAME 68-77 YEARS

NOV MONTH
2100-2300 HOUR (G.M.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	1.6	1.7	.7	.1							8.3	5.0
NNE	4.8	3.2	.8	.4								9.2	4.2
NE	5.2	1.1	1.2									12.9	4.7
ENE	3.1	.8	.3									8.0	4.6
E	1.4	1.6	.1									3.1	3.5
ESE		.1										.1	6.0
SE	.2				.1							.3	7.7
SSE	.2		.2		.1							.6	8.0
S	.6	1.0	.3	.7								2.6	7.1
SSW	1.1	1.7	1.3	.6								4.6	6.5
SW	.6	.8	1.3	.4								3.1	7.3
WSW	.3	.4	1.0	.6	.1							2.4	8.3
W	.3	.7	.1	.4								1.9	7.8
WNW	.2	.3	.3	.3								1.2	7.5
NW	.4	.4	.4	.1	.1							1.1	6.0
NNW	1.0	.1	.4	.1								1.7	6.3
VARBL	4.8	1.4	1.9	1.6	.2							10.1	6.1
CALM												28.8	
	22.0	22.3	11.4	7.8	.9	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TURKEY AR SPAIN/MADRID

STATION NAME

64-77

YEARS

NOV
MONTH

74.8

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.3	1.1	1.0	.2	.1						6.8	6.2
NNE	3.5	2.1	.8	.5	.1							7.0	4.6
NE	3.9	2.4	1.3	.8	.1							8.5	5.1
ENE	3.1	2.3	1.1	.5	.0							7.0	4.8
E	2.2	1.3	.5	.1								4.1	3.9
ESE	.0	.2	.0	.0								.8	3.0
SE	.4	.1	.0	.1	.0							.6	4.8
SSE	.5	.2	.2	.1	.0							1.2	5.2
S	1.2	1.2	.6	.6	.1							4.0	6.2
SSW	1.6	1.5	1.3	.6	.0							5.0	6.1
SW	1.2	1.6	1.5	1.0	.1							5.3	7.1
WSW	1.0	.9	.9	.1	.1							3.7	7.3
W	.9	.6	.7	.6								2.8	6.5
WNW	.3	.3	.3	.4	.1							1.4	8.3
NW	.4	.3	.3	.1	.0							1.1	6.1
NNW	1.0	.5	.3	.2	.0							2.1	4.9
VARBL	4.1	2.2	2.1	2.0	.7	.4	.0					11.4	7.5
CALM												27.2	
	29.1	19.0	13.1	9.4	1.6	.5	.0					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

7197

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 14011 TURREJEN AB SPAIN/IAADRID STATION NAME 68-77 YEARS DEC MONTH

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

CONDITION ALL WEATHER
 CLASS

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	1.0	.4	1.1	1.0	.1						7.6	7.0
NNE	5.3	2.4	1.7	.3	.1							9.8	4.4
NE	6.0	3.3	1.6	.9	.3							12.4	4.9
ENE	4.7	1.9	.9									7.5	3.5
E	1.0	.9	.6									3.3	4.2
ESE	.2	.6	.1									1.0	4.1
SE	.3	.2										.5	3.0
SSE	.3	.3	.2	.3								1.2	5.9
S	.4	1.3	1.0	.0								3.3	6.7
SSW	.2	1.0	1.0	.1								2.3	6.5
SW	.6	.5	.5	.3	.6							2.7	9.6
WSW	1.1	.3	1.2	.3	.3							3.9	8.7
W	.3	.6	.4	.3	.1							1.8	7.1
WNW	.2	.2	.1	.1								.6	6.0
NW	.2	.2	.2									.4	5.0
NNW	1.4	.2	.1	.1		.1						2.0	5.7
VARBL	2.5	1.1	1.1	.3								4.9	4.7
CALM												34.6	
	29.1	16.6	11.5	5.4	2.5	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 630

SURFACE WINDS

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

STATION 14011 STATION NAME TURREJON AP SPAIN/MADRID YEARS 68-77 MONTH DEC
 CLASS ALL WEATHER HOUR (L.S.T.) 0300-0500

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.8	2.0	.5	.7	.5	.2						7.0	6.6
NNE	5.5	2.2	1.3	.2	.1							9.2	4.0
NE	6.6	2.5	1.1	.3	.4							10.9	4.3
ENE	4.2	1.7	.2		.1							6.6	3.6
E	1.5	1.3	.2	.1								3.1	5.0
ESE	.4	1.0	.1									1.5	4.2
SE	.2											.2	2.0
SSE	.6	.6										1.3	3.4
S	.3	.8	1.1	.2								2.4	7.0
SSW	.6	1.0	1.1	.4								3.2	6.4
SW	.5	1.0	1.0	.1	.5							3.1	8.1
WSW	.2	.3	.9	1.1								3.0	8.1
W	.8	.3	.4	.6								2.2	6.9
WNW	.5	.1	.1	.2		.1						1.1	7.5
NW	.2	.2										.5	2.8
N'W	.2	.2	.3	.1	.1	.1						1.7	6.7
VARBL	3.0	1.0	.5	.6	.1	.1						5.4	5.1
CALM												37.6	
	29.7	16.1	9.1	4.9	1.9	.5						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
 STATION

TURRETTA AB SPAIN/MADRID

65-77

YEARS

DEC
 MONTH

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

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.5	2.0	.9	.9	.2							7.7	5.8
NNE	5.9	2.2	1.0	.4								9.5	3.9
NE	2.5	2.3	1.1	.5	.3							7.1	5.3
ENE	5.2	1.2	.5	.1								7.0	3.2
E	2.4	1.8	.1	.2								4.5	3.9
ESE	.6	.4										1.1	3.5
SE	.1	.2	.1									.4	4.8
SSE	.3	.3										.6	3.5
S	1.1	.5	1.2	1.3								4.1	7.9
SSW	.6	.6	1.0	.4								2.7	7.0
SW	.4	.6	.6	1.0								2.7	8.6
WSW	.3	.4	1.0	.3	.1							2.2	8.0
W	.2	.3	.5	.3	.3							1.7	6.5
WNW	.2	.2	.2	.2	.3	.1						1.3	11.9
NW	.9	.1										.9	2.4
NNW	1.5	.3		.5	.3	.1						2.9	7.3
VARBL	2.5	.5	.5	.8	.1							4.6	5.5
CALM												39.0	
	29.0	14.2	8.9	7.4	1.4	.4						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

936

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 14011 TURREJON AB SPAIN/MADRID STATION NAME 64-77 YEARS DEC MONTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.6	.3	.6	1.5	.4						5.1	11.3
NNE	2.3	1.2	.6	.3	.1							4.9	5.6
NE	2.5	2.3	1.0	1.4	.2							7.7	6.3
ENE	4.4	3.0	1.7	1.0	.2							10.3	5.3
E	4.7	1.8	.6	.1								7.4	3.5
ESE	1.6	.6										2.3	2.8
SE	1.1	.3										1.4	2.6
SSE	.4	.4	.2									1.1	4.4
S	1.4	1.3	.6	.5	.4							4.3	6.6
SSW	1.1	1.0	1.9	1.0	.2							5.7	7.8
SW	1.2	.9	1.2	1.1	.3							4.6	7.6
WSW	.9	.4	.5	1.1	.2							3.2	8.5
W	.3	.3	.3	1.2	.1	.1						1.9	11.3
WNW	.5	.1	.1	.1	.1	.6						1.6	13.6
NW	.3	.1	.1	.1								.5	5.6
NNW	.2			.1	.1	.2						.6	13.5
VARBL	3.0	1.1	1.1	1.3	.6	.3						7.4	7.6
CALM												30.3	
	27.7	15.1	10.6	10.4	4.1	1.7						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

STATION 1401J TURKEY, AE SPAIN/ADRIU STATION NAME 6877 YEARS DEC MONTH

1200 HOURS (L.S.T.) 1400

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.5	.4	1.5	2.0	1.2						6.6	14.7
NNE	1.4	1.2	.2	.8	.2							3.8	6.6
NE	1.2	.5	1.2	2.0	.1							5.6	9.3
ENE	1.8	1.0	1.7	1.4	.3							6.2	7.6
E	2.6	1.5	.6	.1								4.9	4.2
ESE	1.2	.2										1.4	2.2
SE	.9	.3										1.2	2.5
SSE	1.2	.3	.2	.3								2.2	4.7
S	3.1	1.4	1.4	.1	.4							6.5	5.4
SSW	2.7	1.4	1.6	.2	.3							7.1	6.4
SW	3.3	1.7	1.6	1.2	.2	.3						8.4	6.7
WSW	2.7	1.2	.9	1.6	.4							6.8	7.1
W	1.6	.1	.5	1.1	.3	.1						3.1	9.9
WNW	.5	.3	.2	.5	.3	.4						2.4	11.7
NW	.2	.2	.2	.4								1.0	8.2
NNW	.4	.1	.1	.1								.8	4.4
VARBL	4.3	2.5	3.5	1.9	1.1	.3						13.7	7.5
CALM												18.6	
	29.6	14.5	14.7	14.4	5.8	2.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011 STATION TURKOUH AP SPAIN/MADRID STATION NAME 68-77 YEARS DEC MONTH

1500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	1.6	5.0	1.9	.8						10.0	12.0
NNE	1.2	1.4	1.2	.1								3.9	5.5
NE	1.0	.9	2.0	1.2	.1							5.2	7.9
ENE	1.2	1.7	2.2	.5	.3							5.9	6.9
E	1.2	.9	.2	.1								2.4	4.2
ESE	.5	.2										.8	3.1
SE	.0	.2	.1									1.1	2.8
SSE	.4	1.0	.4	.2								2.0	5.7
S	2.4	1.2	.3	.5	.1	.1						4.6	5.1
SSW	3.3	1.7	.9	.3	.2							6.5	4.7
SW	3.0	2.3	.8	1.5	.4	.2	.1					8.3	7.4
WSW	2.7	1.1	1.4	1.1	.1							6.3	6.3
W	1.9	.9	1.2	.8	.4							5.2	6.9
WNW	.6	.1	.2	.0	.1	.3						2.2	11.4
NW	.5		.2	.2								1.0	6.0
NNW	.3	.5		.3		.1						1.8	6.4
VARBL	2.4	.9	2.0	2.6	.8							8.6	8.7
CALM												24.4	
	25.4	16.1	14.7	13.2	4.5	1.5	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

14011 STATION TURKJET AB SPAIN/ MADRID YEARS 65-77 MONTH DEC

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	3.3	2.2	2.7	.2	.2	.1					13.2	7.0
NNE	4.9	4.0	1.6	.4	.1	.1						11.2	4.7
NE	1.7	3.7	1.6	.2								7.8	5.7
ENE	2.2	1.4	1.0	.2	.1							4.8	5.0
E	1.4	.9	.2	.1								2.7	4.4
ESE	.9	.1										1.0	2.4
SE	.1	.2	.2									.5	5.4
SSE	.2	.1	.1	.2								1.2	5.1
S	.6	.0	.0	.3	.1							1.8	6.4
SSW	1.0	1.1	.6	1.0								3.7	6.9
SW	1.3	1.2	1.0	.9		.2	.1					4.6	7.8
WSW	1.3	.9	.5	1.2								3.9	7.1
W	.2	.4	.4	.6								1.8	8.5
WNW	.3	.2	.5	.3								1.4	7.2
NW	1.1	.4	.1	.2		.1						1.9	5.8
MNW	1.4	1.0	.1	.3	.2							3.0	5.7
VARBL	2.9	1.4	.8	1.4	.4							6.9	6.4
CALM												28.5	
	25.7	21.0	11.1	10.8	1.2	.6	.2					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

SURFACE WINDS

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

STATION 14011 STATION NAME TURKEY AIR SPAWN/ADP ID YEARS 53-77 DEC MONTH DEC

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.7	1.2	1.4	1.2	.5	.1						8.4	6.9
NNE	4.5	3.7	1.3	.5	.1							10.1	4.7
NE	5.2	3.2	2.0	.4	.1							12.0	4.5
ENE	4.2	2.3	.3	.4								7.6	4.0
E	1.5	1.8	.2									3.5	4.0
ESE	.1	.4	.2									.9	5.6
SE	.2	.1	.1									.4	3.8
SSE	.2			.1								.5	7.2
S	.6	.2	1.0	.3	.1							2.4	7.7
SSW	.4	1.4	.6	.2	.2							2.9	7.3
SW	.3	1.2	1.1	.9	.3							3.8	8.7
WSW	.2	1.0	.5	.2								2.9	8.4
W	.6	.5	.2	.1								1.5	5.1
WNW	.2	.1	.2	.1								.6	6.7
NW	.2	.1	.1	.1								.5	6.6
NNW	1.3	.4	.2	.2	.1							2.3	4.9
VARBL	5.9	2.5	1.1	.9	.3							7.6	5.8
CALM												31.9	
	27.2	20.5	11.7	6.7	1.8	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 14011 TURKEY AP SPAIN/ADRID STATION NAME 68-77 YEARS DEC MONTH

ALL WEATHER CLASS ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	1.6	1.1	1.5	1.0	.4	.0					8.2	8.7
NNE	3.9	2.3	1.1	.4	.1	.0						7.8	4.6
NE	3.5	2.4	1.2	1.0	.2							8.6	5.6
ENE	3.3	1.8	1.2	.5	.1							7.0	4.8
E	2.1	1.4	.4	.1								4.0	4.0
ESE	.7	.5	.1									1.2	3.4
SE	.5	.2	.1									.7	3.1
SSE	.6	.4	.2	.1								1.3	5.1
S	1.2	.9	.6	.5	.1	.0						2.7	6.4
SSW	1.3	1.1	1.1	.5	.1	.0						4.2	6.5
SW	1.4	1.2	1.0	.9	.3	.1	.0					4.8	7.7
WSW	1.2	.7	.9	1.0	.1	.0						4.0	7.5
W	.7	.4	.5	.6	.1	.0						2.4	7.8
WNW	.4	.2	.2	.3	.1	.2						1.4	10.4
NW	.5	.1	.1	.1		.0						.8	5.5
NNW	1.5	.3	.1	.2	.1	.1	.0	.0				1.9	6.3
VARBL	2.3	1.4	1.4	1.2	.4	.1						7.4	6.7
CALM												30.6	
	25.1	16.8	11.5	5.1	2.9	.9	.0	.0				100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14011
STATION

TURKEY AB SPAIN/ABNLD

68-78

YEARS

ALL
MONTH

87478

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	1.4	1.1	1.2	.4	.1	.0					6.6	7.1
NNE	3.1	2.1	1.2	.5	.1	.0	.0					7.0	5.0
NE	3.1	2.4	1.7	.9	.1	.0						8.3	5.7
ENE	2.7	2.1	1.2	.7	.1	.0						6.7	5.4
E	1.9	1.5	.5	.1	.0							4.0	4.3
ESE	.7	.4	.1	.0	.0							1.3	3.7
SE	.5	.3	.2	.1	.0							1.1	4.7
SSE	.7	.6	.3	.2	.0							1.7	5.3
S	1.3	1.5	1.0	.4	.1							4.3	5.8
SSW	1.1	1.7	1.5	.6	.1							5.1	6.5
SW	1.5	1.6	1.7	1.1	.1		.0					5.6	7.6
WSW	1.0	1.3	1.4	1.1	.2		.0					4.9	7.8
W	1.4	1.0	1.0	.5	.1		.0					3.7	6.7
WNW	.5	.4	.4	.2	.1							1.8	7.2
NW	.5	.3	.2	.1	.0							1.3	5.7
NNW	1.0	.6	.3	.2	.1		.0					2.2	5.3
VARBL	4.7	3.5	4.1	2.3	.4		.0					15.2	6.8
CALM												19.3	
	27.3	23.0	17.0	10.4	1.8	.4	.0	.0				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

87476

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

STATION 14011 STATION NAME TORREJON AB SPAIN/HEADQU YEARS 68-78 ALL MONTH

INSTRUMENT CLASS HOURS (L.S.T.) ALL

CIG 200 FT W/ VSBY 1/2 MI OR MORE

AID/JR VSBY 1/2 FT 2-1/2 MI -/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.6	.1	.1								2.4	3.0
NNE	2.1	.9	.2	.1								3.2	3.1
NE	2.1	1.1	.1	.1	.2							3.7	4.6
ENE	2.3	.9	.2	.1	.0							3.4	3.3
E	2.1	.7	.2	.1								3.1	3.3
ESE	.3	.1										.9	2.5
SE	.4	.1	.1									.5	3.2
SSE	.5	.3	.1	.1								.9	4.2
S	1.2	2.3	1.5	.2	.1							6.1	5.3
SSW	2.4	4.3	4.3	4.2	.1							13.6	7.0
SW	1.0	2.9	4.4	2.5	.2							11.9	8.0
WSW	2.0	1.4	2.1	2.0	.2							7.7	7.8
W	1.1	.4	.3	.4	.0							2.2	5.8
WNW	.2	.1	.1	.1								.5	5.0
NW	.5	.0	.0	.0	.0							.6	3.3
NNW	.7	.3	.1	.1								1.1	3.0
VARBL	2.2	1.0	1.1	1.1	.2							5.7	7.1
CALM												32.4	
	24.6	17.4	15.2	9.1	1.2	.1	.1					100.0	4.1

TOTAL: NUMBER OF OBSERVATIONS 3401

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	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
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.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011
STATION

T. KEJ. SPAIN/ARRID
STATION NAME

9-7

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0	
NO CEILING														
≥ 20000	41.0	49.1	50.1	51.7	51.7	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.8
≥ 18000	52.7	52.9	53.9	55.5	55.5	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.5
≥ 16000	52.7	52.9	53.9	55.5	55.5	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.5
≥ 14000	52.7	52.9	53.9	55.5	55.5	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.5
≥ 12000	53.1	53.4	54.4	56.0	56.0	56.6	56.6	56.6	56.8	56.8	56.8	56.8	57.0	57.1
≥ 10000	53.4	54.0	54.9	56.6	56.6	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.6	57.7
≥ 9000	54.1	54.8	55.4	57.0	57.0	57.6	57.6	57.6	57.8	57.8	57.8	57.8	58.1	58.2
≥ 8000	57.2	59.1	59.5	61.1	61.1	61.7	61.7	61.7	61.9	61.9	61.9	61.9	62.2	62.3
≥ 7000	57.4	59.4	59.8	61.4	61.4	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.5	62.6
≥ 6000	61.4	61.7	63.1	64.7	64.7	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.8	65.9
≥ 5000	61.7	62.5	63.9	65.5	65.5	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.6	66.7
≥ 4500	62.8	63.1	64.5	66.1	66.1	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.3	67.6
≥ 4000	63.2	64.1	65.5	67.1	67.1	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.3	68.6
≥ 3500	64.8	65.2	66.7	68.3	68.3	68.9	68.9	68.9	69.2	69.2	69.2	69.2	69.5	69.7
≥ 3000	65.1	66.4	67.8	69.4	69.4	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.6	70.7
≥ 2500	71.4	71.6	73.4	75.0	75.0	75.6	75.6	75.6	75.9	75.9	75.9	75.9	76.2	76.4
≥ 2000	74.1	74.5	76.3	77.9	77.9	78.5	78.5	78.5	78.8	78.8	78.8	78.8	79.1	79.2
≥ 1800	74.7	75.2	77.4	79.0	79.0	79.6	79.6	79.6	79.9	79.9	79.9	79.9	80.2	80.3
≥ 1500	77.0	77.5	79.4	81.0	81.0	81.6	81.6	81.6	81.9	81.9	81.9	81.9	82.2	82.3
≥ 1200	77.9	79.3	81.1	82.7	82.7	83.3	83.3	83.3	83.6	83.6	83.6	83.6	83.9	84.1
≥ 1000	80.2	80.5	82.4	84.0	84.0	84.6	84.6	84.6	84.9	84.9	84.9	84.9	85.2	85.4
≥ 900	81.1	81.3	83.3	84.9	84.9	85.5	85.5	85.5	85.8	85.8	85.8	85.8	86.1	86.3
≥ 800	81.7	82.3	84.3	85.9	85.9	86.5	86.5	86.5	86.8	86.8	86.8	86.8	87.1	87.3
≥ 700	82.0	82.2	84.2	85.8	85.8	86.4	86.4	86.4	86.7	86.7	86.7	86.7	87.0	87.2
≥ 600	82.1	82.6	84.6	86.2	86.2	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.4	87.6
≥ 500	83.1	83.3	85.3	86.9	86.9	87.5	87.5	87.5	87.8	87.8	87.8	87.8	88.1	88.3
≥ 400	83.2	83.7	85.7	87.3	87.3	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.5	88.7
≥ 300	83.2	83.5	85.5	87.1	87.1	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.3	88.5
≥ 200	83.2	83.7	85.7	87.3	87.3	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.5	88.7
≥ 100	83.2	83.7	85.7	87.3	87.3	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.5	88.7
U	83.2	83.7	85.7	87.3	87.3	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.5	88.7

TOTAL NUMBER OF OBSERVATIONS 630

DATA R.C.S.I. 7 13 67
 USAF ETAC
 AIR FATHER SERVICE/AC

CEILING VERSUS VISIBILITY

14011 T. P. S. J. O. A. SPAIN/ AD. 10
 STATION NAME

9-71

JA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.300-0.500

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING													
≥ 20000		47.6	49.0	49.6	50.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000		30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1
≥ 16000		20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5
≥ 14000		20.0	20.6	21.2	21.8	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6
≥ 12000		20.0	20.6	21.2	21.8	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6
≥ 10000		21.2	21.8	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6	27.2	27.8
≥ 9000		21.2	21.8	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6	27.2	27.8
≥ 8000		22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8	27.4	28.0	28.6	29.2
≥ 7000		25.4	26.0	26.6	27.2	27.8	28.4	29.0	29.6	30.2	30.8	31.4	32.0
≥ 6000		27.8	28.4	29.0	29.6	30.2	30.8	31.4	32.0	32.6	33.2	33.8	34.4
≥ 5000		27.1	27.7	28.3	28.9	29.5	30.1	30.7	31.3	31.9	32.5	33.1	33.7
≥ 4500		20.1	20.7	21.3	21.9	22.5	23.1	23.7	24.3	24.9	25.5	26.1	26.7
≥ 4000		20.0	20.6	21.2	21.8	22.4	23.0	23.6	24.2	24.8	25.4	26.0	26.6
≥ 3500		22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7
≥ 3000		25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3
≥ 2500		20.2	20.8	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8
≥ 2000		22.8	23.4	24.0	24.6	25.2	25.8	26.4	27.0	27.6	28.2	28.8	29.4
≥ 1800		20.8	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8	27.4
≥ 1500		24.2	24.8	25.4	26.0	26.6	27.2	27.8	28.4	29.0	29.6	30.2	30.8
≥ 1200		25.5	26.1	26.7	27.3	27.9	28.5	29.1	29.7	30.3	30.9	31.5	32.1
≥ 1000		23.0	23.6	24.2	24.8	25.4	26.0	26.6	27.2	27.8	28.4	29.0	29.6
≥ 900		29.2	29.8	30.4	31.0	31.6	32.2	32.8	33.4	34.0	34.6	35.2	35.8
≥ 800		20.2	20.8	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8
≥ 700		20.2	20.8	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8
≥ 600		20.2	20.8	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.8
≥ 500		1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8
≥ 400		1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8
≥ 300		1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8
≥ 200		1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8
≥ 100		1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8
≥ 0		1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

DATA FROM SFC TO 100 FT
USAF ETAC
AIR MATING SEKTOR/AC

14011
STATION

STATION NAME

0-14-5

OL A

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-14-5 (OL A)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING		47.4	42.0	45.4	49.1	40.1	4.4	49.6	49.7	49.7	49.9	49.9	49.9	49.9	49.9
≥ 20000		50.4	50.0	51.1	51.0	51.9	52.2	52.4	52.5	52.6	52.7	52.8	52.8	52.8	52.8
≥ 18000		50.4	50.0	51.2	52.5	52.3	52.5	52.7	52.8	52.9	53.0	53.1	53.1	53.1	53.1
≥ 16000		50.5	50.3	51.7	52.2	52.2	52.5	52.7	52.8	52.9	53.0	53.1	53.1	53.1	53.1
≥ 14000		50.7	51.1	51.3	52.4	52.4	52.6	52.8	53.0	53.1	53.2	53.3	53.3	53.3	53.3
≥ 12000		51.0	51.2	51.4	52.0	52.0	52.6	53.0	53.1	53.2	53.3	53.4	53.4	53.4	53.4
≥ 10000		51.1	51.4	51.7	52.2	52.2	53.1	53.4	53.5	53.7	53.9	53.9	53.9	53.9	53.9
≥ 9000		51.7	52.1	52.4	53.5	53.5	53.8	54.1	54.2	54.3	54.5	54.5	54.5	54.5	54.5
≥ 8000		54.3	55.5	57.0	59.1	59.4	59.6	57.2	57.5	57.7	57.8	58.0	58.0	58.0	58.0
≥ 7000		55.0	55.4	59.1	60.4	60.4	60.6	61.0	61.1	61.3	61.4	61.5	61.5	61.5	61.5
≥ 6000		59.4	59.7	60.2	60.9	61.1	61.1	61.4	61.5	61.7	61.7	61.9	61.9	61.9	61.9
≥ 5000		60.0	60.0	60.2	61.5	61.5	61.7	62.0	62.2	62.4	62.5	62.6	62.6	62.6	62.6
≥ 4500		63.7	64.2	61.0	62.3	62.3	62.3	62.8	62.9	63.1	63.2	63.3	63.3	63.3	63.3
≥ 4000		65.0	64.5	64.3	62.3	62.6	62.8	63.1	63.2	63.4	63.5	63.7	63.7	63.7	63.7
≥ 3500		61.4	62.2	62.3	64.1	64.1	64.3	64.6	64.7	64.9	65.1	65.2	65.2	65.2	65.2
≥ 3000		64.1	64.3	64.5	66.4	66.4	66.9	67.3	67.6	68.1	68.2	68.3	68.3	68.3	68.3
≥ 2500		65.2	65.7	65.9	68.0	68.0	68.6	69.1	69.5	69.8	70.0	70.2	70.2	70.2	70.2
≥ 2000		67.4	68.1	69.4	71.3	71.3	71.8	72.3	72.7	72.9	73.1	73.2	73.2	73.2	73.2
≥ 1800		70.1	70.3	70.3	71.6	71.6	71.9	72.5	73.3	73.5	73.8	73.9	74.2	74.2	74.2
≥ 1500		70.0	70.3	70.5	72.3	72.3	72.5	73.7	75.7	76.3	76.6	76.7	77.0	77.0	77.0
≥ 1200		72.0	73.0	74.4	77.2	77.2	77.0	78.5	78.9	79.2	79.5	79.6	80.0	80.0	80.0
≥ 1000		73.7	74.3	76.5	79.5	79.5	80.5	81.5	81.8	82.2	82.4	82.5	82.9	83.0	83.0
≥ 900		74.9	75.0	77.2	80.3	80.3	81.4	82.2	82.7	83.0	83.2	83.5	83.8	84.0	84.0
≥ 800		74.9	76.2	78.5	81.4	81.4	82.2	84.0	84.8	85.2	85.2	85.4	85.9	86.1	86.1
≥ 700		75.9	77.2	79.9	83.5	83.5	85.1	85.8	86.7	87.2	87.2	87.4	87.5	88.0	88.3
≥ 600		76.1	77.6	80.0	84.5	84.5	86.5	87.3	88.2	88.9	89.2	89.1	89.2	89.7	90.0
≥ 500		76.0	78.0	80.0	86.0	86.0	89.2	89.4	90.4	91.5	91.5	91.7	91.8	92.3	92.7
≥ 400		75.2	78.0	81.7	87.0	87.0	91.1	90.6	91.7	92.9	93.0	93.2	93.3	93.8	94.3
≥ 300		75.3	78.0	81.7	87.1	87.1	91.4	91.3	92.5	93.8	93.9	94.1	94.3	94.7	95.3
≥ 200		76.3	78.0	81.7	87.1	87.1	89.4	91.4	92.6	94.2	94.3	94.6	95.2	96.3	97.2
≥ 100		74.3	78.0	81.7	87.1	87.1	89.5	91.5	92.8	94.4	94.5	94.8	95.5	96.7	97.5
≥ 0		74.5	78.1	81.7	87.2	87.2	89.6	91.6	92.9	94.5	94.6	94.9	95.7	97.0	98.1

930

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PAGES 1 TO 10 OF
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

14011
 STATION

T. BREU... SPAIN/...
 STATION NAME

19-7
 YEAR

JA
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
 TIME

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0
NO CEILING		42.7	42.9	43.3	44.2	44.2	44.6	45.1	45.2	45.3	45.3	45.3	45.3
≥ 20000		4.7	4.8	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 18000		4.1	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥ 16000		4.1	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥ 14000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 12000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 10000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 9000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 8000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 7000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 6000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 5000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 4500		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 4000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 3500		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 3000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 2500		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 2000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 1800		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 1500		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 1200		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 1000		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 900		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 800		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 700		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 600		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 500		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 400		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 300		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 200		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 100		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 0		4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6

TOTAL NUMBER OF OBSERVATIONS 929

DATA FROM 5.1.0 (A) ON
 USAF ETAC
 AIR CARRIER SERVICE/ IAC

CEILING VERSUS VISIBILITY

14011 T R I E U N A C S P A I N / A F I L D STATION NAME 9-7-73
 1200-1400 HOURS AT 5.1.0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES																			
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		43.3	44.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	51.5	51.5	52.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 18000	52.6	52.6	53.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	53.7	53.7	54.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 14000	54.8	54.8	55.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	55.9	55.9	57.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	57.0	57.0	58.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 8000	58.1	58.1	59.2	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	60.3	60.3	60.3	60.3
≥ 7000	59.2	59.2	60.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 6000	60.3	60.3	61.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 5000	61.4	61.4	62.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4500	62.5	62.5	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	63.6	63.6	64.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	64.7	64.7	65.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3000	65.8	65.8	66.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2500	66.9	66.9	68.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 2000	68.0	68.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 1800	69.1	69.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1500	70.2	70.2	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	71.4	71.4	71.4	71.4
≥ 1200	71.3	71.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 900	72.4	72.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 800	73.5	73.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 700	74.6	74.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 600	75.7	75.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 500	76.8	76.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 400	77.9	77.9	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
≥ 300	79.0	79.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 200	80.1	80.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 100	81.2	81.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
0	82.3	82.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING SECTION
USAF ETAC
AIR EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TRENTON AND SPAIN/ADRIANO
STATION NAME

19-77

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1.5	≥ 1.0	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0	≥ 0
NO CEILING		41.9	42.2	42.7	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		30.0	51.1	52.2	52.2	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000		32.7	52.7	53.3	53.3	53.7	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000		32.7	52.7	53.3	53.7	53.7	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000		32.7	53.3	53.7	54.1	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000		33.1	53.1	54.1	54.1	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000		34.9	55.5	56.2	56.2	56.6	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000		35.8	57.8	57.8	58.4	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000		37.9	60.1	61.3	62.1	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000		37.9	63.1	64.1	65.4	65.4	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000		37.9	64.1	65.1	66.1	66.1	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 5000		34.2	55.2	56.2	56.2	56.8	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 4500		36.9	58.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000		32.6	70.2	71.2	72.2	72.2	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500		71.2	72.4	73.6	74.1	74.1	74.4	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3000		74.1	77.4	78.4	79.1	79.1	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500		79.7	81.1	82.1	83.1	83.1	83.5	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000		81.1	83.2	84.4	85.7	85.7	86.0	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1900		82.4	84.1	85.1	86.7	86.7	87.0	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1800		84.2	85.8	87.1	89.1	89.1	89.4	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1700		84.9	87.4	89.1	91.1	91.1	91.3	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1600		85.4	87.8	89.6	92.1	92.1	92.7	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500		85.9	88.2	91.3	93.7	93.7	94.6	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1400		86.0	88.3	91.3	94.1	94.1	95.1	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1300		86.1	88.4	91.4	94.1	94.1	94.5	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200		85.2	88.3	91.6	94.6	94.6	94.7	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1100		86.2	88.5	91.7	94.7	94.7	95.8	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0		86.2	88.5	91.6	94.7	94.7	96.0	97.8	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 920

DATA PROCESSING DIVISION
 USAF ETAC
 AIR FATHER SERVICE / AF

CEILING VERSUS VISIBILITY

14011 STATION T. PRFJ STATION NAME SPAIN/ ADULT DATE 9-7 MONTH JAN YEAR 1800-2000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES												
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		42.0	45.0	45.7	42.0	45.8	40.0	46.0	46.5	46.5	46.5	46.5	46.5
≥ 20000		42.5	50.5	52.7	52.5	52.9	52.1	53.1	53.5	53.5	53.5	53.5	53.5
≥ 18000		50.0	51.7	53.3	54.1	54.1	54.3	54.3	54.8	54.8	54.8	54.8	54.8
≥ 16000		50.0	51.7	53.3	54.1	54.1	54.3	54.3	54.8	54.8	54.8	54.8	54.8
≥ 14000		51.0	52.2	53.0	54.5	54.5	54.7	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000		51.5	52.5	54.1	54.0	54.8	55.1	55.6	55.6	55.6	55.6	55.6	55.6
≥ 10000		52.0	53.5	55.2	55.0	55.9	56.1	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000		52.7	54.0	56.2	57.0	57.0	57.3	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000		57.2	57.2	59.7	60.0	60.0	61.1	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000		51.2	52.4	54.1	55.1	55.1	55.5	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000		52.4	53.5	55.3	56.2	56.2	56.6	57.2	57.2	57.2	57.2	57.2	57.2
≥ 5000		53.4	54.0	56.5	57.4	57.4	57.8	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4500		55.2	56.7	58.6	59.7	59.7	60.0	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4000		56.6	58.1	60.0	61.0	61.0	61.5	62.2	62.2	62.2	62.2	62.2	62.2
≥ 3500		57.0	60.4	62.4	63.5	63.5	64.0	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3000		74.0	75.5	77.4	78.7	78.7	79.1	79.2	79.8	79.8	79.8	79.8	79.8
≥ 2500		75.1	77.7	79.0	81.3	81.3	81.7	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2000		70.4	71.1	72.3	75.2	75.2	76.0	76.2	76.8	76.8	76.8	76.8	76.8
≥ 1800		60.1	61.5	64.2	66.5	66.5	66.9	67.1	67.6	67.6	67.6	67.6	67.6
≥ 1500		61.7	63.4	66.1	68.1	68.1	68.3	69.2	69.8	69.8	69.8	69.8	69.8
≥ 1200		52.0	55.1	58.4	60.5	60.5	61.3	61.7	62.3	62.3	62.3	62.3	62.3
≥ 1000		53.0	55.5	59.2	61.0	61.0	61.9	62.3	63.3	63.3	63.3	63.3	63.3
≥ 900		54.5	57.7	60.0	62.5	62.5	63.7	64.1	64.8	64.8	64.8	64.8	64.8
≥ 800		53.0	56.7	60.2	63.0	63.0	64.2	64.9	65.7	65.7	65.7	65.7	65.7
≥ 700		60.0	65.5	68.6	73.4	73.4	74.7	75.5	76.6	76.6	76.6	76.6	76.6
≥ 600		60.0	66.0	69.9	73.5	73.5	74.4	75.4	76.1	76.1	76.1	76.1	76.1
≥ 500		60.0	60.0	60.0	64.1	64.1	64.6	65.5	66.5	66.5	66.5	66.5	66.5
≥ 400		60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 300		60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 200		60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 100		60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 0		60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7

TOTAL NUMBER OF OBSERVATIONS 930

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

CEILING VERSUS VISIBILITY

DATA PREPARED BY: USAF
 AIR EATER SERVICE/ IAC

STATION: 14011 T. PRUITT AB SPAIN/ ALBID
 STATION NAME: T. PRUITT AB SPAIN/ ALBID

DATE: 19-7-71

MONTH: JAN

21001-23000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	> 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	46.0	47.3	41.7	49.7	49.7	49.7	50.0	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	31.3	31.6	33.4	34.6	34.6	34.6	35.2	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 18000	31.9	32.3	34.1	35.3	35.3	35.3	35.6	35.6	35.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 16000	31.3	32.2	34.3	35.3	35.3	35.3	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 14000	32.0	32.4	34.2	35.4	35.4	35.4	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 12000	32.5	33.1	34.7	35.8	35.8	35.8	36.1	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 10000	33.2	33.9	35.4	36.5	36.5	36.5	36.9	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 8000	33.5	34.1	35.7	36.8	36.8	36.8	37.2	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 7000	33.5	34.1	35.7	36.8	36.8	36.8	37.2	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 6000	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 5000	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 4500	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 4000	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 3500	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 3000	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 2500	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 2000	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 1800	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 1500	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 1200	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 1000	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 800	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 700	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 600	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 500	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 400	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 300	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 200	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 100	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 0	37.4	38.0	39.4	40.9	40.9	40.9	41.2	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5

TOTAL NUMBER OF OBSERVATIONS: 930

DATA PROCESSING OFFICE
USAF ETAC
AIR RAIDER SERVICE/AC

CEILING VERSUS VISIBILITY

14011 T PRED WIND SPAIN/4011 9-7 7-85
STATION NAME

JAN 1957

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING 1331	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥4	≥3	≥2	≥2	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		45.2	46.4	47.5	47.3	47.6	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0
≥ 20000		51.7	52.1	53.0	53.0	53.4	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
≥ 18000		51.3	51.7	52.6	52.7	53.0	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000		51.2	51.6	52.5	52.7	53.0	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000		51.5	51.9	52.8	52.9	53.2	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000		52.0	52.4	53.3	53.4	53.7	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000		52.5	52.9	53.8	53.9	54.2	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 9000		53.7	54.1	55.0	55.1	55.4	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000		57.1	57.5	58.4	58.5	58.8	58.9	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000		60.0	60.4	61.3	61.4	61.7	61.8	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 6000		60.7	61.1	62.0	62.1	62.4	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000		61.4	61.8	62.7	62.8	63.1	63.2	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000		62.5	62.9	63.8	63.9	64.2	64.3	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000		63.1	63.5	64.4	64.5	64.8	64.9	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500		65.9	66.3	67.2	67.3	67.6	67.7	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000		69.2	69.6	70.5	70.6	70.9	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500		72.1	72.5	73.4	73.5	73.8	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000		74.6	75.0	75.9	76.0	76.3	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1800		75.2	75.6	76.5	76.6	76.9	77.0	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1500		77.4	77.8	78.7	78.8	79.1	79.2	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1200		78.1	78.5	79.4	79.5	79.8	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1000		80.1	80.5	81.4	81.5	81.8	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 900		80.7	81.1	82.0	82.1	82.4	82.5	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 800		81.1	81.5	82.4	82.5	82.8	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 700		81.6	82.0	82.9	83.0	83.3	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 600		81.9	82.3	83.2	83.3	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 500		81.9	82.3	83.2	83.3	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 400		81.9	82.3	83.2	83.3	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 300		81.9	82.3	83.2	83.3	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 200		81.9	82.3	83.2	83.3	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 100		81.9	82.3	83.2	83.3	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 0		81.9	82.3	83.2	83.3	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS 7439

USAF ETAC FORM 1-54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING CENTER
USAF ETAC
AIR TRAFFIC SERVICE/VAC

CEILING VERSUS VISIBILITY

14011 STATION TAFED... SPAIN/ ALM...
STATION NAME

9-7

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	60.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 16000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 14000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 12000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 8000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	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
≥ 6000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 5000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500	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
≥ 4000	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
≥ 3500	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	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
≥ 1200	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
≥ 1000	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	95.3	95.3
≥ 900	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 400	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 100	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 146

DATA PROCESSING FAC
 USAF ETAC
 AIR MATRAN SERVICE FAC

CEILING VERSUS VISIBILITY

14011 T REF 01 SPAIN/ A/ LK 9-7

FFR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0	≥ 0
NO CEILING	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 16000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 9000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 8000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 7000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 6000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 5000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 3500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 3000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 2500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 2000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 1000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 900	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 800	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 700	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 600	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 500	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 400	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 300	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 200	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 100	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5

TOTAL NUMBER OF OBSERVATIONS 846

DATA PREPARED BY
USAF ETAC
AIR FIGHTER SERVICE/AC

CEILING VERSUS VISIBILITY

14011 TARKENTON AIR STATION/ABANDONED

9-7

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	20
NO CEILING	51.6	51.2	51.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	57.9	58.3	57.4	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	57.6	57.2	57.9	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	57.6	57.2	57.4	57.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	57.7	57.3	58.1	57.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	57.4	58.1	58.7	58.1	58.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	58.6	59.1	59.7	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	60.6	60.2	60.4	61.1	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 8000	63.4	63.3	64.3	65.2	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	67.1	67.7	68.4	69.1	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	68.7	69.1	69.7	70.1	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	69.3	69.3	70.1	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	70.2	70.2	71.1	71.1	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000	71.6	71.6	72.4	72.4	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	73.6	73.6	74.5	74.5	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3000	75.2	75.3	77.4	77.4	77.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2500	76.3	77.1	78.7	79.3	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2000	78.3	78.8	80.4	81.3	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	79.9	79.9	81.2	81.9	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1500	82.6	82.6	84.4	85.6	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	84.5	84.5	86.3	88.2	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	85.9	85.9	88.4	90.1	90.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900	86.6	86.6	89.2	91.5	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	87.1	87.4	90.1	92.5	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	88.3	88.3	90.9	93.3	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600	88.3	88.3	91.3	94.4	94.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	88.7	88.7	91.5	94.7	94.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	88.7	88.7	91.5	94.5	94.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	88.7	88.7	91.5	94.5	94.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	88.7	88.7	91.7	95.1	95.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	88.8	88.8	91.7	95.1	95.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	88.8	88.8	91.7	95.1	95.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

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

CEILING VERSUS VISIBILITY

DATA FOR CEILING AND VISIBILITY
 USAF ETAC
 AIR WEATHER SERVICE/AC

14011 T RAEJ A SPAIN/ALBUQUERQUE
 STATION NAME
 9-7
 FEA
 0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES												
	≥10	26	25	24	23	22	21	20	19	18	17		
≥ 20000	46.6	47.7	40.2	40.2	43.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	54.7	55.7	56.2	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 7000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 6000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 3000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 2500	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 2000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1800	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1500	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1200	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1000	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 900	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 800	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 700	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 600	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 500	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 400	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 300	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 200	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 100	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 50	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 25	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1	54.4	55.1	57.2	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0

TOTAL NUMBER OF OBSERVATIONS 840

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS IF THE FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURRENT, AP SPAIN/MADRID

69-74

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.T.

CEILING FEET	VISIBILITY (STATUTE) MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ 0
NO CEILING		46.7	46.3	45.4	47.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 2000		57.1	57.4	56.1	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 1800		57.3	57.7	58.3	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1600		57.3	57.7	58.3	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1400		57.4	57.9	58.5	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1200		58.6	59.4	59.5	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 1000		60.9	61.2	61.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 900		61.5	61.9	62.4	63.1	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 800		65.0	65.4	65.2	66.0	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 700		67.1	67.6	68.4	69.1	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 600		67.1	67.6	68.4	69.1	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 500		67.1	67.6	68.4	69.1	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 400		67.8	68.3	69.1	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 300		71.0	71.5	72.3	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 250		73.0	73.5	74.3	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2
≥ 200		79.7	80.1	81.1	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800		84.3	84.6	85.4	87.2	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500		77.7	78.3	79.1	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1000		88.3	88.9	89.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900		90.4	91.0	92.3	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800		91.4	92.3	94.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700		92.2	93.3	95.9	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600		92.4	93.4	96.1	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500		92.7	93.7	96.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400		92.7	93.7	96.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300		92.7	93.7	96.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200		92.7	93.7	96.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100		92.7	93.7	96.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0		92.7	93.7	96.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 246

DATA PROCESSING CENTER
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURRETT AR SPAIN/MADRID
STATION NAME

09-75
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (ZST)

CEILING (FEET)	VISIBILITY STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25
NO CEILING		49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 2000		60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 1800		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 1600		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 1400		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 1200		62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 1000		65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 900		66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 800		69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 700		73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 600		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 500		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 450		75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 400		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500		81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800		92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
0		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS _____ 8 6

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/VMC

CEILING VERSUS VISIBILITY

14011 STATION TURREJON AB SPAIN/MADRID 69-78 YEARS 1800-2000 MONTH FEB
 HOURS 15

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING ≥ 2000		55.8	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 1800		65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 1600		65.5	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 1400		65.5	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 1200		66.2	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1000		68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 900		70.3	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 800		72.6	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 700		73.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 600		80.3	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 500		81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500		82.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000		84.3	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500		86.4	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		91.0	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500		92.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000		93.5	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800		93.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500		94.9	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200		96.0	96.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000		96.8	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		96.9	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		96.9	97.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		96.9	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600		96.9	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		96.9	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		96.9	97.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300		96.9	97.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200		96.9	97.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100		96.9	97.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0		96.9	97.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TMAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJTN AF SPAIN/ADKID
STATION NAME

9-76
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS UTC

CEILING FEET	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0
NO CEILING		61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 20000		67.8	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000		68.0	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000		68.0	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000		68.0	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000		68.4	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000		70.1	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 9000		73.0	73.0	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000		77.4	77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 7000		81.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000		82.7	82.7	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		83.3	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4500		84.5	84.5	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4000		86.3	86.3	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500		87.1	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000		89.5	89.5	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500		91.9	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000		93.0	93.0	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800		94.2	94.2	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500		95.7	95.7	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200		96.7	96.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000		97.6	97.6	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		97.6	97.6	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		97.6	97.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700		97.6	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600		97.6	97.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		97.8	97.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		97.8	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300		97.8	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200		97.8	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100		97.8	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0		97.8	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

246

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011 STATION TURKEY AR SPAIN/PAKID 9-73 YEAR

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS 1ST

CEILING (FEET)	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		52.6	53.4	53.7	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000		60.8	61.1	61.7	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.3
≥ 18000		61.1	61.4	62.0	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.6
≥ 16000		61.1	61.4	62.0	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.6
≥ 14000		61.3	61.6	62.1	62.5	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000		61.0	62.2	62.7	63.0	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000		63.6	63.9	64.5	64.8	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1
≥ 9000		64.0	65.2	65.7	66.0	66.0	66.2	66.3	66.3	66.3	66.3	66.4	66.4
≥ 8000		67.9	69.3	69.9	70.3	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.7
≥ 7000		72.0	73.2	73.9	74.3	74.3	74.5	74.6	74.6	74.6	74.6	74.7	74.7
≥ 6000		73.2	74.5	74.9	75.0	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3
≥ 5000		74.1	74.4	75.1	75.5	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9
≥ 4500		75.0	75.4	76.1	76.5	76.5	76.7	76.8	76.8	76.8	76.8	76.9	76.9
≥ 4000		74.0	77.2	78.0	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.8
≥ 3500		78.3	79.2	79.3	79.3	80.3	80.5	80.6	80.6	80.6	80.6	80.7	80.7
≥ 3000		82.5	82.9	83.8	84.2	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6
≥ 2500		85.1	85.5	86.5	87.1	87.2	87.3	87.4	87.5	87.5	87.5	87.5	87.5
≥ 2000		87.1	87.5	88.7	89.3	89.3	89.5	89.6	89.7	89.7	89.7	89.7	89.7
≥ 1800		87.7	88.1	89.3	90.0	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.4
≥ 1500		89.9	90.3	91.8	92.5	92.5	92.7	92.8	92.9	92.9	92.9	92.9	93.0
≥ 1200		91.1	91.7	93.2	94.1	94.1	94.4	94.5	94.6	94.6	94.6	94.6	94.6
≥ 1000		92.2	92.5	94.5	95.7	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.3
900		92.4	92.8	94.8	96.2	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8
800		92.7	93.4	95.1	96.0	96.0	96.6	97.0	97.1	97.2	97.2	97.3	97.3
700		92.8	93.6	95.4	97.0	97.0	97.4	97.6	97.7	97.7	97.7	97.7	97.7
600		93.0	93.6	95.5	97.3	97.3	97.6	98.1	98.2	98.2	98.2	98.2	98.3
500		93.0	93.7	95.7	97.6	97.6	97.7	98.6	98.7	98.7	98.7	98.8	98.8
400		93.0	93.7	95.7	97.7	97.8	97.8	98.8	98.9	99.0	99.0	99.1	99.1
300		93.1	93.7	95.7	97.7	97.8	97.8	98.9	99.0	99.2	99.2	99.3	99.3
200		93.1	93.7	95.7	97.7	97.8	97.8	99.0	99.3	99.3	99.3	99.3	99.3
100		93.1	93.7	95.7	97.7	97.8	97.8	99.0	99.3	99.3	99.3	99.3	99.3
0		93.1	93.7	95.7	97.7	97.8	97.8	99.0	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 6768

DATA PROCESSING CENTER
USAF ETAC
AIR WEATHER SERVICE/AGC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AIR STATION/MADRID

68-77

YEARS

MAR

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
COURSE 151

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .16	≥ .1	≥ 0
NO CEILING														
≥ 20000		61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2
≥ 18000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 16000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 14000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 12000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 10000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 9000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 8000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 7000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 6000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 5000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 4500		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 4000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 3500		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 3000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 2500		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 2000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 1800		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 1500		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 1200		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 1000		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 900		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 800		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 700		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 600		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 500		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 400		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 300		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 200		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 100		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
U		66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING WKA, CA
USAF ETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

14011
STATION

TURKJETN AS SPAIN/PADRID
STATION NAME

(R-77)

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES																	
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1.3	≥1.2	≥1.1	≥1.0	≥0.9	≥0.8	≥0.7	≥0.6	
NO CEILING																		
≥ 20000		52.4	53.0	53.4	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000		60.9	61.4	62.3	62.7	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000		61.0	61.5	62.4	62.8	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000		61.0	61.5	62.4	62.8	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000		61.1	61.6	62.5	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000		61.1	61.6	62.5	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000		62.0	63.4	64.3	64.7	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000		64.0	64.5	65.4	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 7000		70.0	70.6	71.4	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000		73.7	74.3	75.2	75.7	75.9	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000		74.4	75.1	76.2	76.8	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4500		77.0	77.7	78.9	79.0	79.6	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000		79.6	80.4	81.6	82.4	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500		79.6	80.4	81.7	82.5	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3000		81.0	81.8	83.3	84.2	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500		84.0	85.1	86.6	87.5	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000		85.4	87.0	88.5	89.5	89.5	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800		86.9	88.3	90.1	91.2	91.2	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500		87.2	88.6	90.5	91.6	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200		89.5	89.9	91.8	93.1	93.0	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000		87.8	91.2	93.2	94.4	94.4	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900		90.1	91.7	93.8	95.1	95.1	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800		90.5	92.2	94.3	95.6	95.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700		90.8	92.5	94.0	96.2	96.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600		90.9	92.6	94.9	96.7	96.7	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500		90.9	92.6	94.9	96.9	96.9	97.4	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400		90.9	92.7	95.1	97.0	97.0	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300		91.0	92.8	95.2	97.1	97.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		91.0	92.8	95.2	97.1	97.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		91.0	92.8	95.2	97.1	97.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0		91.0	92.8	95.2	97.1	97.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING CENTER
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

MAR
 MONTH

68-77
 YEAR

TURRETT AB SPAIN/ADKID
 STATION NAME

14011
 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
 HOUR PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .16	≥ 0
NO CEILING	47.2	47.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7	48.7
≥ 20000	59.2	59.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4	61.4
≥ 18000	60.4	61.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.8	62.8
≥ 16000	60.4	61.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.8	62.8
≥ 14000	60.8	61.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.1
≥ 12000	61.8	62.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.9	63.9
≥ 10000	64.1	64.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.5	66.5
≥ 9000	65.2	65.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
≥ 8000	69.6	70.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.4	72.4
≥ 7000	76.3	75.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.7	77.7
≥ 6000	74.7	75.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.2	78.2
≥ 5000	76.9	77.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	80.4	80.4
≥ 4500	77.7	78.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.4	81.4
≥ 4000	79.0	79.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.8	82.8
≥ 3500	81.4	82.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.3	85.3
≥ 3000	84.0	85.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.1	88.1
≥ 2500	85.7	87.0	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4	90.4
≥ 2000	86.9	88.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.8	91.8
≥ 1800	87.1	88.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.2	92.2
≥ 1500	89.2	89.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	93.8	93.8
≥ 1200	88.5	91.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	96.1	96.1
≥ 1000	90.2	91.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	97.4	97.4
≥ 900	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	98.2	98.2
≥ 800	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	98.5	98.5
≥ 700	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	98.6	98.6
≥ 600	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	99.0	99.0
≥ 500	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	99.4	99.4
≥ 400	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	99.6	99.6
≥ 300	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	99.9	99.9
≥ 200	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	99.9	99.9
≥ 100	90.9	92.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	99.9	99.9
≥ 0	97.9	92.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 530

USAF ETAC 1 COPY JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING IN A.C.M.
 USAF ETAC
 AIR LEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

14011
 STATION

T. R. KEJTI AB SPAIN/ADKID
 STATION NAME

18-77
 YEAR

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
 HOUR U.T.

CEILING HEIGHT	VISIBILITY STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000		59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 18000		61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000		61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000		61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000		63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000		66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 9000		67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000		71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000		75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000		76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000		78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500		79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000		81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500		86.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		91.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500		94.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000		96.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800		96.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500		96.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		96.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0		97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011 TURRETT. AP SPAIN/WADKJD

8-77

TERM

MAR 1954

1500-1700
 HOUR: 1-2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 18000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	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
≥ 14000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 12000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 10000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	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
≥ 6000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 5000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	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
≥ 2000	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
≥ 1800	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
≥ 1500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	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
≥ 900	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
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

14011
STATION

TURRET V A P SPAIN/ADRIU
STATION NAME

48-77
TAPS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1.3	≥ 1.2	≥ 1.1	≥ 1.0	≥ .5	≥ 0
NO CEILING		53.2	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 2000		62.7	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1800		64.0	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1600		64.2	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1400		64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 1200		65.7	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 1000		68.3	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 900		70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 800		73.7	73.7	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 700		79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 600		80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 500		81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 400		82.9	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 300		84.7	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 200		86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 100		89.9	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 0		92.5	92.5	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500		94.3	94.3	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000		95.3	95.3	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800		95.7	95.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1600		96.5	96.5	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1400		96.9	96.9	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200		97.0	97.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		97.0	97.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		97.0	97.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800		97.0	97.0	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		97.0	97.0	98.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600		97.0	97.0	98.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500		97.0	97.0	98.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400		97.1	97.1	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		97.1	97.1	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		97.1	97.1	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		97.1	97.1	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		97.1	97.1	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/WAC

CEILING VERSUS VISIBILITY

14011 TURKEY AIR SPAIN/AMKIP

MAR 77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 0
NO CEILING ≥ 20000		62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 18000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000		67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 14000		67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 12000		68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 10000		68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 9000		70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 8000		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
≥ 7000		78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 6000		84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 5000		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000		89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000		90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000		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
≥ 1800		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200		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
≥ 1000		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		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
≥ 700		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
≥ 600		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
≥ 500		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
≥ 400		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING NO. 66
USAF ETAC
AIR WEATHER SERVICE/1AC

CEILING VERSUS VISIBILITY

14011 STATION T. RKEJ. 1. A. SPAIN/CAJUID 18-77 YEARS MONTH MAR HOUR 15

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		54.0	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000		62.8	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5
≥ 18000		63.7	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4
≥ 16000		63.7	63.9	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
≥ 14000		64.7	64.1	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
≥ 12000		64.7	64.3	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4
≥ 10000		67.0	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7
≥ 9000		68.8	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
≥ 8000		72.8	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7
≥ 7000		72.4	73.6	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5
≥ 6000		79.2	79.4	79.9	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3
≥ 5000		81.5	81.7	82.3	82.5	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.7
≥ 4500		83.1	83.3	83.9	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3
≥ 4000		84.4	84.6	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500		86.5	86.8	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000		90.9	90.2	90.9	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
≥ 2500		92.1	92.5	93.3	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 2000		93.5	93.9	94.8	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5
≥ 1800		93.7	94.2	95.1	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500		94.7	95.2	96.3	96.8	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
≥ 1200		95.3	95.9	97.1	97.6	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 1000		95.6	96.2	97.4	98.0	98.0	98.3	98.3	98.4	98.5	98.5	98.5	98.5
≥ 900		95.7	96.4	97.6	98.2	98.2	98.6	98.6	98.6	98.7	98.7	98.8	98.8
≥ 800		95.8	96.5	97.7	98.4	98.4	98.8	98.8	98.9	99.0	99.0	99.0	99.0
≥ 700		95.8	96.5	97.8	98.6	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2
≥ 600		95.8	96.5	97.8	98.6	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.4
≥ 500		95.9	96.6	97.9	98.7	98.7	99.0	99.4	99.4	99.6	99.6	99.6	99.6
≥ 400		95.9	96.6	97.9	98.8	98.8	99.1	99.4	99.5	99.7	99.7	99.8	99.8
≥ 300		95.9	96.6	98.0	98.8	98.8	99.1	99.5	99.5	99.8	99.8	99.9	99.9
≥ 200		96.0	96.7	98.0	98.9	98.9	99.1	99.5	99.5	99.8	99.9	99.9	99.9
≥ 100		96.0	96.7	98.0	98.9	98.9	99.1	99.5	99.5	99.9	99.9	99.9	99.9
≥ 0		96.0	96.7	98.0	98.9	98.9	99.1	99.5	99.5	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7640

DATA PROCESSING TAXACO
 US AF ETAC
 AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

14011 STATION T. KRSEJ IN AB SPAIN/MADRID

28-77

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
 HOURS TEST

CEILING (FEET)	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	56.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 18000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 14000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 7000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4500	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

119

DATA PROCESSING PLACER
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKJETI, AS SPAIN/VADADID
STATION NAME

8-77
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS PER DAY

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING ≥ 20000		61.7	61.7	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 18000		70.1	70.1	70.5	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000		70.1	70.1	70.5	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 14000		70.1	70.1	70.5	70.5	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 12000		70.2	70.2	70.6	70.6	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000		71.4	71.4	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000		72.7	72.7	73.1	73.1	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000		77.6	77.6	77.9	77.9	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000		82.0	82.0	82.4	82.4	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000		85.4	85.4	85.8	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 5000		85.7	85.7	86.1	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 4500		87.0	87.0	87.4	87.4	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000		88.7	88.7	89.1	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500		91.4	91.4	92.0	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000		93.0	93.0	94.5	94.5	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500		94.8	94.8	95.4	95.4	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000		95.7	95.7	96.5	96.5	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800		95.7	95.7	96.5	96.5	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500		96.5	96.5	97.3	97.3	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		97.0	97.0	98.0	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		97.6	97.6	98.6	98.6	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		97.7	97.7	98.7	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 833

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AF SPAIN/MADRID
STATION NAME

69-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LT

CEILING (FEET)	VISIBILITY - STATUTE MILES											
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1
NO CEILING		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000		64.2	65.0	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 18000		65.0	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 16000		65.0	65.7	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 14000		65.0	66.1	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000		65.7	66.3	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000		68.1	68.9	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 9000		69.7	70.3	71.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000		72.4	73.3	74.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		75.9	76.8	77.5	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000		77.2	78.1	78.9	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 5000		78.5	79.4	80.2	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500		80.7	81.1	81.9	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000		81.6	82.5	83.3	84.0	84.8	85.0	85.1	85.1	85.1	85.1	85.1
≥ 3500		85.2	86.1	87.1	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000		88.5	89.4	90.7	92.1	92.8	93.0	93.1	93.1	93.1	93.1	93.1
≥ 2500		90.3	90.3	91.8	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4
≥ 2000		90.2	91.2	92.9	95.0	95.6	95.9	96.0	96.0	96.1	96.1	96.1
≥ 1800		90.2	91.2	92.9	95.0	95.6	95.9	96.0	96.0	96.1	96.1	96.1
≥ 1500		90.7	91.8	93.4	96.2	96.2	96.7	96.8	96.8	96.9	96.9	96.9
≥ 1200		91.1	92.3	94.3	97.4	97.4	97.9	98.0	98.0	98.1	98.1	98.1
≥ 1000		91.5	92.9	94.9	98.1	98.1	98.4	98.6	98.6	98.7	98.7	98.7
≥ 900		91.7	93.0	95.0	98.1	98.1	98.7	98.8	98.8	98.9	98.9	98.9
≥ 800		91.7	93.0	95.1	96.3	96.3	96.9	97.1	97.1	97.2	97.2	97.2
≥ 700		91.7	93.0	95.1	96.4	96.4	97.0	97.2	97.2	97.3	97.3	97.3
≥ 600		91.7	93.0	95.2	98.6	98.6	99.2	99.4	99.4	99.6	99.6	99.6
≥ 500		91.6	93.3	95.6	98.9	98.9	99.6	99.8	99.8	99.9	99.9	99.9
≥ 400		91.6	93.3	95.6	98.9	98.9	99.6	99.8	99.8	99.9	99.9	99.9
≥ 300		91.6	93.3	95.6	98.9	98.9	99.6	99.8	99.8	99.9	99.9	99.9
≥ 200		91.6	93.3	95.6	98.9	98.9	99.6	99.8	99.8	99.9	99.9	99.9
≥ 100		91.6	93.3	95.6	98.9	98.9	99.6	99.8	99.8	99.9	99.9	99.9
≥ 0		91.6	93.3	95.6	98.9	98.9	99.6	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAAC

CEILING VERSUS VISIBILITY

14011
STATION

T. PREJTI, AD SPAIN/PADKID

08-77

YEAR

APK
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS, U.S.T.

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 0
NO CEILING		52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000		63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000		64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 16000		64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 14000		65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000		65.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 10000		67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000		69.7	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000		73.2	73.6	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000		74.2	76.4	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000		77.2	77.6	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 5000		78.4	78.7	79.1	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500		79.8	80.0	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000		82.9	83.1	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500		85.2	85.4	86.2	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		87.1	87.4	87.6	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500		91.4	92.0	93.3	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000		93.1	93.7	95.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800		94.4	94.1	95.4	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500		94.7	95.3	96.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200		95.2	95.9	97.3	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		95.9	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		95.9	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		95.9	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0		95.8	96.4	98.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY: AP SPAIN/MADRID
STATION NAME

68-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY - STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ 0
NO CEILING		49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000		60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 18000		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 16000		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 14000		61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000		62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000		64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000		65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500		79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
U		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

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

FORM 74

USAF ETAC

899

DATA PROCESSING CENTER
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

T. REJUT, AD SPAIN/DAVID
STATION NAME

68-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25
NO CEILING		48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000		64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 18000		64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000		64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000		64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000		67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000		74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000		77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 5000		80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000		86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500		90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500		97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800		97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 500

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

14011
STATION

TUPREUF, AP SPAIN/MADRID
STATION NAME

5-77
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
GROUP, HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .8	≥ .6	≥ .4	≥ 0
NO CEILING													
≥ 20000		50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 18000		56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000		66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000		66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000		67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 10000		68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000		69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 8000		71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 7000		77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000		80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 5000		91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4500		83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000		85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500		87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000		90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500		96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000		97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800		98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200		98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000		98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0		98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 24 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRACTICE
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
 STATION

TURRET, A. SPAIN/MADRID

68-77

YEARS

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING											
≥ 20000		63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000		71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 14000		71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 12000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000		73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 8000		75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000		87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500		88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3500		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000		93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900

DATE: PROCESSING: GRA. CL.
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011

TURRETT, AP SPAIN/MADRID

6877

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS

CEILING - FEET -	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	55.8	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	66.6	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 18000	67.2	66.9	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 16000	67.2	66.9	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 14000	67.5	67.2	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 12000	68.1	67.8	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	69.6	69.3	69.3	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000	71.3	70.9	70.9	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	76.5	76.0	76.0	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 7000	80.1	79.7	79.7	79.9	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	81.4	80.8	80.8	81.0	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000	83.4	82.7	82.7	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	85.1	84.5	84.5	84.8	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	87.3	86.8	86.8	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500	90.4	89.5	89.5	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	95.5	94.0	94.0	94.4	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	96.7	95.1	95.1	96.0	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	97.8	96.0	96.0	97.1	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	98.0	96.5	96.5	97.3	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	98.7	97.1	97.1	97.9	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	99.1	97.4	97.4	98.2	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.4	97.8	97.8	98.5	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	99.4	97.7	97.7	98.3	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	99.5	97.7	97.7	98.6	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.5	97.7	97.7	98.6	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.6	97.7	97.7	98.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.6	97.7	97.7	98.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.6	97.7	97.7	98.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.6	97.7	97.7	98.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.6	97.7	97.7	98.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.6	97.7	97.7	98.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.6	97.7	97.7	98.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7050

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

14011
 STATION

TURKEY AIR SPAWN/ADKIU
 STATION NAME

58-77

FASS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
 HOURS LAST

CEILING FEET	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING		69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 20000		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 18000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 16000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000		76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 12000		77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 10000		78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 9000		79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000		84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 7000		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000		87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 5000		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500		90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500		93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		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	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

922

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION NAME

TURRETTA AP SPAIN/HADRID

6-77

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .02	≥ 0
NO CEILING		66.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000		72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 18000		72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 16000		72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 14000		72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 12000		73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 10000		74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000		75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000		80.2	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 7000		82.0	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 6000		83.6	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000		84.5	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4500		85.4	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 4000		87.7	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500		90.5	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000		92.6	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500		95.5	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000		96.7	97.2	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
≥ 1800		97.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500		97.4	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200		97.4	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000		97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0		97.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 TURRETTA AB SPAIN/MAIDRID
STATION NAME

68-77
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
COYS. 11.51

CEILING - FEET	VISIBILITY - STATUTE MILES																			
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/4	≥ 1/8	≥ 3/16	≥ 1/4	≥ 1/2	≥ 3/8	≥ 1/2	≥ 5/8	≥ 3/4	≥ 7/8	≥ 1	≥ 20	
NO CEILING																				
≥ 20000	57.1	57.5	58.4	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	65.2	65.5	66.2	66.5	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	65.5	66.2	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	65.5	66.2	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	65.5	66.2	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000	65.5	66.2	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	65.5	66.2	66.8	67.1	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	70.2	71.0	71.5	71.8	71.8	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000	74.9	75.9	76.7	77.0	77.0	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	78.2	79.1	80.0	80.2	80.2	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 5000	79.7	79.7	80.5	80.9	80.9	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500	79.8	80.6	81.5	81.8	81.8	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	80.5	81.7	82.6	83.0	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	82.5	83.7	84.5	84.9	84.9	84.9	85.2	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
≥ 3000	85.8	86.7	87.5	88.0	88.0	88.0	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
≥ 2500	89.1	90.1	91.3	91.8	91.8	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	90.5	91.5	92.7	93.3	93.3	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	92.6	93.5	94.3	95.6	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	92.7	93.7	95.1	95.7	95.7	95.7	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
≥ 1200	93.3	94.3	95.7	96.5	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	94.2	95.3	96.7	97.4	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	94.6	95.6	97.2	98.0	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	94.8	96.0	97.4	98.2	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	95.2	96.3	97.8	98.6	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	95.4	96.6	98.1	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	95.6	96.6	98.1	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	95.4	96.6	98.1	98.8	98.8	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
≥ 300	95.4	96.6	98.1	98.8	98.8	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
≥ 200	95.4	96.6	98.1	98.8	98.8	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
≥ 100	95.4	96.6	98.1	98.8	98.8	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
≥ 0	95.4	96.6	98.1	98.8	98.8	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

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

14011

TURREJO, AP SPAIN/MADRID

68-77

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBL STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	62.6	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000	63.9	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
≥ 10000	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 9000	67.6	67.7	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
≥ 8000	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	74.1	76.4	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	75.9	77.2	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
≥ 5000	79.1	79.5	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
≥ 4500	80.1	80.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	82.9	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	85.4	85.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	91.5	91.9	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
≥ 2500	93.6	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	96.7	97.1	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
≥ 1800	96.9	97.3	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
≥ 1500	97.2	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	97.3	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	97.5	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	97.7	98.2	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
≥ 800	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ "	97.7	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 929

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



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

14011

TURRETTIN AP SPAIN/NAUKID

63-77

FAZ

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0
NO CEILING	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 16000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 7000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4500	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	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	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

930

USAF EI C FORM 501 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS, UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2	
NO CEILING																	
≥ 20000		48.5	46.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000		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
≥ 9000		70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000		75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000		77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000		78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000		81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500		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
≥ 4000		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	85.3	85.3	85.3
≥ 3500		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
≥ 3000		97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

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

USAF ETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AR SPAIN/MADRID
STATION NAME

68-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS FT

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING															
≥ 20000		52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000		68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 16000		69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000		69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 12000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000		71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000		73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 7000		77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 6000		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
≥ 5000		80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000		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
≥ 3500		89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3000		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500		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
≥ 2000		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800		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
≥ 1500		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
≥ 1200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		99.4	99.4	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		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0		99.2	99.5	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
 STATION

TURREJON AB SPAIN/MADRID
 STATION NAME

68-77
 YEAR

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
 HOUR RANGE

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 3/8	≥ 3/16	≥ 1/4	≥ 0
NO CEILING		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000		75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 18000		76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 16000		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 14000		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 12000		76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 10000		78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 9000		78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 8000		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 6000		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 5000		90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4500		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 4000		92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3000		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2000		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		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	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

928

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION

TURREJUN AB SPAIN/MADRID

68-77

YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
COUNTRIES

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	
NO CEILING		57.7	57.9	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2
≥ 20000		68.2	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000		68.7	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000		68.8	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000		68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4
≥ 12000		69.2	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 10000		71.1	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000		72.6	72.7	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000		77.4	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 7000		80.2	80.5	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
≥ 6000		81.0	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000		82.9	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4500		84.6	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000		85.7	86.9	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500		90.2	90.4	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000		94.7	95.0	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500		96.2	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000		97.5	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800		97.6	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500		97.9	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		98.2	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		98.4	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		98.5	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		98.5	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 7435

USAF ETAC FORM 7435 JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEYTON AB SPAIN/MADRID

68-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.7	≥ 2	≥ 1.75	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 20000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 12000		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 9000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 8000		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 7000		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
≥ 6000		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
≥ 5000		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
≥ 4500		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4000		96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3500		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
≥ 3000		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500		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
≥ 2000		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
≥ 1800		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

900

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011

TORREJON AB SPAIN/MADRID

68-77

YEAR

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0900
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000		69.2	73.9	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
≥ 18000		73.6	74.2	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 16000		73.6	74.2	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000		73.8	74.4	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 12000		74.6	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000		77.6	78.2	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
≥ 9000		79.1	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000		84.6	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 7000		85.7	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 6000		86.4	87.1	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
≥ 5000		87.4	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4500		88.4	89.1	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4000		90.2	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500		91.9	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000		93.1	93.8	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
≥ 2500		93.7	94.3	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
≥ 2000		94.4	95.1	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
≥ 1800		94.6	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500		95.1	95.9	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
≥ 1200		95.8	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		96.4	97.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900		96.4	97.2	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
≥ 800		96.6	97.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		96.9	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		96.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		96.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		96.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		96.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		96.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		96.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
U		96.9	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

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

FORM 7-64

1-64

900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON AP SPAIN/MADRID

68-77

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS P.M.

CEILING FEET	VISIBILITY STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .3
NO CEILING		70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000		76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
≥ 18000		76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
≥ 16000		76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4
≥ 14000		76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.6
≥ 12000		77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
≥ 10000		78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
≥ 9000		80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 8000		84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8
≥ 7000		86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6
≥ 6000		86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1
≥ 5000		88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 4500		88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
≥ 4000		91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2
≥ 3500		93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2
≥ 3000		96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥ 2500		97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0
≥ 2000		97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8
≥ 1800		97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8
≥ 1500		98.3	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
≥ 1200		98.4	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7
≥ 1000		98.4	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8
≥ 900		98.4	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
≥ 800		98.4	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
≥ 700		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 600		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 500		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 400		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 300		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 200		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 100		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
U		98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOUR

CEILING (FEET)	VISIBILITY - STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0	
NO CEILING		64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000		72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 16000		72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000		73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 12000		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 10000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000		79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000		82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000		84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3000		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		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	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011

TURREJON AB SPAIN/MADRID

68-77

JUN

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ 0
NO CEILING													
≥ 20000		61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000		71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000		71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000		72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000		73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000		80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 5000		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
4500		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
4000		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
3500		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
3000		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2500		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2000		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
900		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
800		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
700		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS **900**

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON AB SPAIN/MADRID

68-77

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME PERIOD

CEILING ' FEET.	VISIBILITY - STATUTE MILES.																			
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2.2	≥ 2.0	≥ 1.5	≥ 1.2	≥ 1.0	≥ .8	≥ .6	≥ .4	≥ .2	≥ .15	≥ .1	≥ .05	≥ .02	
NO CEILING		62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000		72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 18000		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 16000		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 14000		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 12000		74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 10000		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	76.2	76.2	76.2
≥ 9000		78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 8000		85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 7000		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000		90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4500		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000		93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3500		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 3000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	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
≥ 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
≥ 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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ TUC		100.0	100.0	100.0	100.0	100.0	100.0	100.0	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

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011

TORREJON AB SPAIN/MAORID

68-77

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES										
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0
NO CEILING	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 18000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 16000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 14000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 12000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 10000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 8000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 7000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 6000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 5000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 4500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	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	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
?	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

FORM 51-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION TORREJON AB SPAIN/MADRID 68-77 YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOUR

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1.4	≥1	≥1.4	≥1	≥1.6	≥1	≥20
NO CEILING																
≥ 20000		68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 18000		75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000		75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000		75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000		76.0	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000		76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		78.5	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 8000		80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 7000		85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000		87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 5000		88.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500		89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000		90.5	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3500		92.6	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000		95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500		97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000		98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800		98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500		98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200		98.7	98.9	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
≥ 1000		98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		99.0	99.2	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
≥ 800		99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		99.1	99.3	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
≥ 600		99.1	99.3	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
≥ 500		99.1	99.3	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
≥ 400		99.1	99.3	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
≥ 300		99.1	99.3	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
≥ 200		99.1	99.3	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
≥ 100		99.1	99.3	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
0		99.1	99.3	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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON AB SPAIN/MADRID

68-77

FASE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

JUL
MONTH

0000-0200
HOURS, U.S.

CEILING 'FEET'	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1.3	≥ 1.2	≥ 1.1	≥ 1.0	≥ 0
NO CEILING													
≥ 20000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 16000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 14000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 12000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 10000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 9000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 8000	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
≥ 7000	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
≥ 6000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 5000	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
≥ 4500	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
≥ 4000	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
≥ 3500	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
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	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	100.0	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	100.0	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	100.0	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
≥ 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
≥ 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	100.0	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

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

STATION 14011 STATION NAME TORREJON AB SPAIN/MADRID YEAR 68-77 MONTH VI
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)										≥ 10				
	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2		≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 20000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 18000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 16000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 14000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 12000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 10000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 9000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 8000	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
≥ 7000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 6000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 5000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 4000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3000	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
≥ 2500	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
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	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	100.0	100.0	100.0	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	100.0	100.0	100.0	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	100.0	100.0	100.0	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
≥ 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
≥ 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	100.0	100.0	100.0	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

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
 STATION

TORREJON AB SPAIN/MADRID

68-77

YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
 HOURS-UT-1

CEILING (FEET)	VISIBILITY - STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ 0
NO CEILING		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 20000		91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 18000		91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 16000		91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 14000		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 12000		92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 10000		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 9000		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 8000		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 7000		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 6000		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 5000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4500		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 4000		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		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
≥ 300		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		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

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJUN AB SPAIN/MADRID

68-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 20000		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 18000		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 16000		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 14000		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 12000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 9000		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 8000		95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 7000		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 6000		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4500		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 3000		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		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	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
 STATION

TERREJON AB SPAIN/MADRID
 STATION NAME

68-77
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS U.S.T.

CEILING ' FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .1	≥ 0
NO CEILING		84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 20000		91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 18000		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 16000		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 12000		92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 10000		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 9000		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 8000		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 7000		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4500		96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		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		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		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		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
≥ 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
≥ 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		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

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TERREJON AB SPAIN/MADR.D
STATION NAME

68-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
GROUPS

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0
NO CEILING		81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 20000		88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 18000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 16000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 14000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 12000		89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 10000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 9000		91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 8000		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 7000		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 6000		94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 4500		95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 4000		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		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
≥ 300		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		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

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
 STATION

TURREJT AB SPAIN/MADRID
 STATION NAME

68-77
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
 HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 20000		89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 18000		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 16000		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 14000		89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 12000		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 10000		90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 9000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 8000		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000		94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 6000		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000		95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4500		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.9	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	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	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	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	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	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

920

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77

JUL
MONTH

2100-2300
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										TOTAL NUMBER OF OBSERVATIONS						
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75		≥ .5	≥ .25	≥ 0			
NO CEILING																	
≥ 20000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 18000		89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 16000		89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 14000		89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 12000		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 10000		90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 9000		90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 8000		91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 7000		94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 6000		94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 5000		95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500		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	96.0
≥ 4000		96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500		97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000		98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500		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
≥ 2000		99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800		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
≥ 1500		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
≥ 1200		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
≥ 1000		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
≥ 900		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
≥ 800		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
≥ 700		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
≥ 600		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
≥ 500		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
≥ 400		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
≥ 300		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
≥ 200		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		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
≥ 0		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AB SPAIN/MADRID

68-77

YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES																				
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.4	≥ 0.3	≥ 0.25	≥ 0.2	≥ 0.15	≥ 0.1	≥ 0.075	≥ 0.05	≥ 0	
NO CEILING		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
≥ 2000		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
≥ 1800		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	90.8	90.8	90.8
≥ 1600		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	90.8	90.8	90.8
≥ 1400		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	90.8	90.8	90.8
≥ 1200		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000		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	92.0	92.0
≥ 900		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800		95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700		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	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500		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
≥ 450		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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
≥ 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
≥ 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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	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

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7438

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION TIME

68-77

YEAR

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS UT

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 20000		91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 18000		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 16000		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 14000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 9000		93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 8000		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 7000		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 6000		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4500		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4000		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3500		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3000		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		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	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEJON AR SPAIN/MADRID

68-77

1955

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0200-0500
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 20000		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 18000		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 12000		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 10000		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000		95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 8000		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 6000		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 5000		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4500		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4000		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		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		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		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		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
≥ 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
≥ 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		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

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION: TURREJUN AB SPAIN/MADRID 68-77 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AUG 68 0600-0800 HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES												
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥0
NO CEILING		85.8	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 20000		90.3	90.4	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 18000		90.3	90.4	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 16000		90.3	90.4	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 14000		90.5	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 12000		90.9	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 10000		91.7	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 9000		92.2	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 8000		94.6	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 7000		96.0	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 6000		96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 5000		97.2	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4500		97.6	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 4000		98.0	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500		98.5	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000		98.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500		98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000		98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800		98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14017
 STATION

TURREJON AR SPAIN/MADRID
 STATION NAME

08-77
 YEAR

AUG
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
 HOUR RANGE

CEILING FEET.	VISIBILITY STATUTE MILES												
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.2	≥0	≥0
NO CEILING ≥ 20000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 18000	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
≥ 16000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 14000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 12000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 10000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 9000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 8000	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
≥ 7000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 4500	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
≥ 4000	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
≥ 3500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3000	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
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	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
≥ 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AB SPAIN/NADKID

68-77

1975

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS UTC

CEILING (FEET)	VISIBILITY - STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ 0
NO CEILING ≥ 20000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 18000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 16000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 14000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 12000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 10000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 9000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 8000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 7000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 6000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 5000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	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	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	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	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
≥ 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
≥ 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	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

TOTAL NUMBER OF OBSERVATIONS

930

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

JUL 64

FORM 0-14-5 (OL A)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION TURREJON AB SPAIN/MADRID YEAR 68-77 MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 1800-2000
HOURS UT

CEILING (FEET)	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .16	≥ .4	≥ 0
NO CEILING		79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 20000		87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 18000		88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 16000		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
≥ 14000		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 12000		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
≥ 10000		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
≥ 9000		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
≥ 8000		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 7000		94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 6000		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
≥ 5000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500		95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4000		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
≥ 3500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000		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
≥ 2500		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
≥ 2000		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
≥ 1800		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
≥ 1500		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
≥ 1200		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
≥ 1000		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
≥ 900		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
≥ 800		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
≥ 700		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION IRRERJON AB SPAIN/MADRID

68-77

YEARS

AUG

MONTH
2100-2300
HOURS UT-5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 0
NO CEILING ≥ 20000	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
≥ 18000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 16000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 14000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	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
≥ 10000	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
≥ 9000	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
≥ 8000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 7000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 5000	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
≥ 4500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500	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
≥ 3000	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
≥ 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	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	100.0	100.0	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	100.0	100.0	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	100.0	100.0	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
≥ 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
≥ 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	100.0	100.0	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

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION TURKEYDN AB SPAIN/MADRID YEARS 8-77 MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS A.S.

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2	
NO CEILING																	
≥ 20000		84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 18000		99.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 16000		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
≥ 14000		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
≥ 12000		90.7	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
≥ 10000		90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 9000		91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 8000		92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 7000		94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 6000		95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 5000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4000		96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3500		97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000		99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500		99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000		99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800		99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500		99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		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
≥ 1000		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
≥ 900		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
≥ 800		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
≥ 700		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
≥ 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		99.8	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
≥ 400		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
≥ 300		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
≥ 200		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
≥ 100		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
≥ 0		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

7440

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION TURNER AFB SPAIN/MADRID

68-77

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.0000=0200
HOURS H ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0
NO CEILING		79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 20000		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 18000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 16000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 14000		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 12000		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000		88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 9000		89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 6000		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 5000		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4500		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 4000		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3500		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		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
≥ 300		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		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AB SPAIN/MADRID

68-77

YEARS

SF
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS, U.S.T.

CEILING (FEET)	VISIBILITY - STATUTE MILES																	
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1.3	≥1.2	≥1.1	≥1.0	≥0.8	≥0.6	≥0.4	≥0.2	
NO CEILING		79.8	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 20000		33.2	33.3	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000		43.4	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000		43.4	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000		53.4	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 12000		63.4	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000		85.7	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 9000		84.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 8000		90.4	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 7000		93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 6000		94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 5000		94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 4500		95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4000		95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3500		96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3000		97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500		97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		98.2	98.3	98.5	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
≥ 1800		98.2	98.3	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
≥ 1500		98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200		98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		98.6	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		99.2	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.2	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AP SPAIN/MADRID

68-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		72.8	73.1	73.3	73.3	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
≥ 20000		78.6	78.8	79.1	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 18000		78.7	78.9	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 16000		78.7	78.9	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 14000		78.7	78.9	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 12000		79.2	79.4	79.8	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3
≥ 10000		80.3	80.6	80.9	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000		81.6	81.8	82.1	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
≥ 8000		85.2	85.4	85.8	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 7000		87.7	87.9	88.4	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 6000		87.9	88.1	88.7	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000		89.1	89.3	89.9	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4500		89.6	89.9	90.4	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4000		90.4	90.8	91.3	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3500		91.7	92.1	92.8	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000		93.4	93.9	94.8	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500		94.2	94.8	95.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000		94.6	95.1	96.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800		94.6	95.1	96.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		94.6	95.1	96.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200		95.4	96.0	97.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000		95.6	96.1	97.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		95.7	96.3	97.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800		95.7	96.3	97.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		95.9	96.6	97.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		95.9	96.6	97.9	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		95.9	96.7	98.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		95.9	96.7	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		95.9	96.7	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		95.9	96.7	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		95.9	96.7	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		95.9	96.7	98.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJUN AR SPAIN/MADRID
STATION NAME

8-77
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING 'FEET'	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0
NO CEILING											
≥ 20000		71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 18000		78.8	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 16000		79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 14000		79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 12000		80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 10000		81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 9000		82.3	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 8000		85.4	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000		87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 6000		87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 5000		89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500		90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000		90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500		92.8	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000		94.6	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500		95.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000		95.6	96.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800		95.7	96.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		95.7	96.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200		96.6	97.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000		96.9	97.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900		96.9	97.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800		97.0	97.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		97.0	97.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 600



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AB SPAIN/MADRID

68-77

YEARS

SEP
1977

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.7	≥ 1.4	≥ 1.1	≥ .9	≥ .6	≥ .4	≥ 0
NO CEILING ≥ 20000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000		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
≥ 16000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 12000		82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 10000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 9000		83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 7000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000		88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 5000		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
≥ 4500		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000		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
≥ 3500		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3000		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
≥ 2500		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
≥ 2000		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
≥ 1800		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		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
≥ 1200		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
≥ 1000		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
≥ 900		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
≥ 800		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		99.9	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	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS 1500 HOURS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0
NO CEILING		69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 20000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 16000		82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 14000		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 12000		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 10000		84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 9000		85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 8000		89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 7000		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 6000		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 5000		93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 4500		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700		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	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AV SPAIN/MADRID
STATION NAME

68-77
FASE

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .16	≥ 0
NO CEILING		75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 20000		85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 18000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 16000		86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 14000		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 12000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 10000		88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 9000		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 8000		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 7000		93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 6000		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 5000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4000		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		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
≥ 300		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		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

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEYTN A3 SPAIN/MADRID
STATION NAME

68-77
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)
2100-2300
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.3	≥ 0.2	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.03	≥ 0
NO CEILING		82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 20000		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 18000		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 16000		87.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 14000		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 12000		87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 10000		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 9000		91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 8000		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 7000		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
≥ 6000		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 5000		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4500		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
≥ 4000		97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3500		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
≥ 3000		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2000		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
≥ 1800		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
≥ 1500		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
≥ 1200		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
≥ 1000		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
≥ 900		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
≥ 800		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
≥ 700		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
≥ 600		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
≥ 500		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
≥ 400		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
≥ 300		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
≥ 200		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		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
0		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING SECTION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011

TURKUN AP SPAIN/MADRID

8-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .1	
NO CEILING																	
≥ 20000	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 18000	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9
≥ 16000	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 14000	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5
≥ 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.1	84.1	84.1	84.1	84.1
≥ 9000	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.3	86.4	86.4	86.4	86.4	86.4
≥ 8000	86.1	86.2	86.3	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
≥ 7000	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 6000	91.4	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 5000	91.4	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 4500	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 4000	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3500	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	95.7	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	97.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2000	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	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	99.1	99.1
≥ 500	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	99.1	99.1
≥ 400	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	99.1	99.1
≥ 300	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	99.1	99.1
≥ 200	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	99.1	99.1
≥ 100	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	99.1	99.1
≥ C	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	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 7200

CEILING VERSUS VISIBILITY

DATA PROCESSING CENTER
USAF ETAC
AIR WEATHER SERVICE/MAC

STATION: 14011 STATION NAME: TURKEY AP SPAIN/MADRID YEARS: 68-77 MONTH: 01
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0000-0200
HOURS PER MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥10	≥6	≥5	4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5
NO CEILING													
≥ 20000		71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000		78.3	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 16000		78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 14000		78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 12000		78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 10000		80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 9000		82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 8000		86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 7000		91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 6000		92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 5000		93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4500		94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 4000		95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500		96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3000		97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500		97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000		98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800		98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500		98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		99.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		99.8	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		99.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		99.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		99.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		99.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		99.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		99.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		99.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		99.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		99.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING TRAINING
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TUPREJEN AR SPAIN/MADRID
STATION NAME

68-77
YEARS

DCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS UT

CEILING - FEET	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0
NO CEILING											
≥ 20000		70.2	70.6	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000		75.2	75.9	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 16000		75.4	76.0	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000		75.4	76.0	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000		75.4	76.0	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000		76.1	76.8	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000		77.3	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 8000		78.0	78.6	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000		84.2	84.8	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 6000		89.1	89.8	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 5000		90.8	90.4	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4500		90.8	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4000		91.3	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500		91.5	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000		92.9	93.4	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500		94.1	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000		95.1	95.7	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800		95.1	96.8	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		96.5	97.1	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		96.6	97.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000		97.7	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900		97.7	97.6	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1
≥ 800		97.7	97.8	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 700		97.4	98.1	98.8	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 600		97.4	98.1	98.8	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 500		97.5	98.2	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 400		97.5	98.2	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 300		97.5	98.2	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 200		97.5	98.2	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 100		97.5	98.2	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 0		97.5	98.2	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011

TURREJON AP SPAIN/ADRID

68-77

YEARS

QCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS UTC

CEILING (FEET)	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		63.5	54.3	64.7	65.3	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000		70.8	71.6	72.1	72.2	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000		71.3	72.4	72.4	73.2	73.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 16000		71.3	72.4	72.4	73.2	73.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 14000		71.7	72.4	72.9	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000		72.7	73.4	73.7	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 10000		73.7	74.4	74.4	75.6	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000		74.3	75.0	75.3	76.2	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000		78.7	79.3	80.1	80.8	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 7000		82.5	83.3	83.9	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000		83.2	84.1	84.6	85.6	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000		84.7	85.6	86.1	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4500		84.7	85.6	86.1	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000		85.5	86.3	86.9	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		85.2	86.1	86.7	87.6	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000		90.6	91.6	92.3	93.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500		91.4	92.4	93.3	94.3	94.8	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000		92.9	93.9	94.8	96.6	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800		92.9	93.9	94.8	96.6	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500		93.8	94.7	95.7	97.6	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		94.7	95.6	96.6	98.5	99.2	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
0		94.1	95.0	96.0	98.0	98.6	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAF

CEILING VERSUS VISIBILITY

14011
STATION

TERREJON AB SPAIN/MAJRID
STATION NAME

8-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS, UT

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1
NO CEILING														
≥ 20000		60.9	61.4	61.7	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 18000		70.9	71.5	72.0	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 16000		71.3	71.9	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 14000		71.3	71.9	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 12000		71.8	72.5	73.3	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 10000		72.3	72.9	73.8	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000		72.9	73.5	74.4	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 8000		75.1	75.6	77.6	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 7000		79.9	80.5	81.6	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000		82.4	83.0	84.1	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5000		82.6	83.2	84.4	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4500		83.5	84.2	85.4	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000		84.0	84.6	85.8	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500		85.6	86.2	87.4	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000		87.4	88.4	89.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500		90.7	91.4	93.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000		91.8	93.0	94.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800		93.1	94.4	96.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500		93.2	94.5	96.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200		94.3	95.7	97.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		94.7	96.1	98.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		94.8	96.2	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		94.8	96.2	98.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		94.9	96.3	98.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		95.1	96.5	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		95.1	96.5	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		95.1	96.5	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		95.1	96.5	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		95.1	96.5	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		95.1	96.5	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		95.1	96.5	98.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/1AC

CEILING VERSUS VISIBILITY

STATION 14011 TURKEY IN AR SPAIN/MADRID 69-77 DCI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
Hourly

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ 0
NO CEILING		58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000		71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 16000		72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000		72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 12000		72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 10000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000		75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000		79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 7000		82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000		83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 5000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500		85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000		86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500		87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000		90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500		95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		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		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		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		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
≥ 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
≥ 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		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

TOTAL NUMBER OF OBSERVATIONS 920

CEILING VERSUS VISIBILITY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AMC

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME

6-8-77 YEARS

0CT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000		71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000		71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 16000		72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 12000		73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000		74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000		82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 7000		84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000		86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000		87.6	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500		89.1	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4000		90.2	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3500		92.7	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3000		95.2	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2500		96.7	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000		97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800		98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500		98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0		98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAO

14011
STATION

TURREJTN AB SPAIN/MADRID
STATION NAME

68-77
YEAR

JCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING		63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000		73.5	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000		74.1	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000		74.1	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000		74.7	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000		75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 10000		77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000		79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 8000		83.7	83.9	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 7000		87.6	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 6000		89.4	89.6	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 5000		90.4	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4500		91.4	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000		93.3	93.5	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3500		95.3	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3000		97.4	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500		97.7	98.0	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2000		98.1	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800		98.1	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500		98.4	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		98.7	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/1AC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEYIN AB SPAIN/MADRID
STATION NAME

Q R-77
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING		70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000		75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 16000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000		74.2	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
≥ 12000		74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 10000		78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000		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
≥ 8000		84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000		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
≥ 5000		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 4500		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4000		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3500		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3000		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
≥ 2500		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
≥ 2000		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500		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
≥ 1200		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
≥ 1000		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800		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
≥ 700		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
≥ 600		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
≥ 500		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
≥ 400		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
≥ 300		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
≥ 200		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
≥ 100		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
≥ 0		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON DE SPAIN/MADRID

68-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2
NO CEILING		64.7	64.9	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 2000		72.3	73.6	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1800		73.7	74.0	74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1600		72.8	74.1	74.1	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 1400		74.2	74.5	74.5	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1200		74.8	75.1	75.3	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1000		77.7	76.3	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 900		77.8	78.1	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 800		82.4	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 700		86.6	86.7	87.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 600		87.4	87.6	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 500		88.5	88.9	89.2	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 450		89.7	89.7	90.1	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 400		90.5	90.9	91.2	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 350		92.4	92.8	93.2	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 300		94.7	95.1	95.6	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 250		95.8	96.2	96.8	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200		96.6	97.1	97.6	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800		96.7	97.2	97.8	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500		97.3	97.7	98.3	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		97.4	97.9	98.5	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		97.8	98.0	98.7	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		97.5	98.0	98.7	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		97.6	98.1	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		97.6	98.1	98.8	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		97.6	98.1	98.8	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		97.7	98.1	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		97.7	98.1	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		97.7	98.1	98.8	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		97.7	98.1	98.8	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		97.7	98.1	98.8	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0		97.7	98.1	98.8	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING PRA, CH
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

14011

TLRREJ, AR SPAIN/MADRID

6R-77

YEAR

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
 HOURS UT

CEILING FEET.	VISIBILITY STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING													
≥ 20000	62.7	63.5	63.7	63.8	64.0	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	65.6	67.2	67.4	67.5	67.6	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	65.9	67.4	67.6	67.7	67.9	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000	65.3	67.4	67.6	67.7	67.9	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000	66.7	67.9	67.7	67.9	68.0	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	66.4	68.1	69.2	69.1	69.5	69.6	69.7	69.9	69.9	69.9	69.9	69.9	69.9
≥ 9000	69.3	69.7	70.9	71.1	71.2	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7
≥ 8000	75.2	75.6	76.3	77.3	77.4	77.5	77.6	77.8	78.0	78.0	78.0	78.0	78.0
≥ 7000	80.4	80.9	82.2	82.5	83.0	83.1	83.2	83.3	83.5	83.5	83.5	83.5	83.5
≥ 6000	81.3	81.6	82.9	83.6	83.9	84.0	84.1	84.2	84.4	84.4	84.4	84.4	84.4
≥ 5000	82.5	83.0	84.1	85.1	85.2	85.2	85.3	85.4	85.8	85.8	85.8	85.8	85.8
≥ 4500	83.2	83.6	84.8	85.7	85.8	86.0	86.1	86.2	86.7	86.7	86.7	86.7	86.7
≥ 4000	84.2	84.6	85.8	86.7	86.8	87.0	87.1	87.2	87.7	87.7	87.7	87.7	87.7
≥ 3500	85.1	85.5	86.7	87.5	87.5	87.9	88.0	88.1	88.7	88.7	88.7	88.7	88.7
≥ 3000	86.3	86.8	87.9	88.3	88.3	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	87.9	88.3	89.4	90.3	90.4	90.7	90.8	90.9	91.5	91.5	91.5	91.5	91.5
≥ 2000	89.7	90.2	91.3	92.2	92.2	92.5	92.7	92.8	93.4	93.4	93.4	93.4	93.4
≥ 1800	90.4	90.2	91.3	92.2	92.2	92.5	92.7	92.8	93.4	93.4	93.4	93.4	93.4
≥ 1500	90.2	90.9	92.2	93.2	93.2	93.5	93.7	93.8	94.4	94.4	94.4	94.4	94.4
≥ 1200	90.8	91.4	92.8	93.8	93.8	94.1	94.2	94.3	95.1	95.1	95.1	95.1	95.1
≥ 1000	91.0	91.7	93.1	94.1	94.1	94.5	94.7	94.8	95.6	95.6	95.6	95.6	95.6
900	91.0	91.7	93.2	94.4	94.4	94.5	94.7	94.8	95.6	95.6	95.6	95.6	95.6
800	91.0	91.7	93.2	94.4	94.4	94.5	94.7	94.8	95.6	95.6	95.6	95.6	95.6
700	91.3	92.1	93.7	95.1	95.2	95.8	95.9	96.0	96.9	96.9	96.9	96.9	96.9
600	91.3	92.1	93.8	95.3	95.4	96.1	96.2	96.3	97.2	97.2	97.2	97.2	97.2
500	91.7	92.4	94.2	96.2	96.3	97.0	97.4	97.6	98.4	98.4	98.4	98.4	98.4
400	91.7	92.4	94.2	96.3	96.4	97.1	97.8	97.9	98.9	98.9	98.9	98.9	98.9
300	91.7	92.4	94.2	96.4	96.4	97.1	97.8	97.9	99.0	99.0	99.0	99.0	99.0
200	91.7	92.4	94.2	96.6	96.6	97.2	97.9	98.0	99.1	99.1	99.1	99.1	99.1
100	91.7	92.4	94.2	96.6	96.6	97.2	97.9	98.0	99.3	99.3	99.3	99.3	99.3
0	91.7	92.4	94.2	96.4	96.4	97.2	97.9	98.0	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 1 JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING CENTER
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AB SPAIN/MADRID

68-77

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.2000
HOURS AT 5'

CEILING FEET	VISIBILITY STATUTE MILES																				
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	
NO CEILING																					
≥ 20000		60.4	61.1	62.1	63.2	63.2	63.2	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 18000		63.1	63.7	65.6	66.0	66.0	66.0	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 16000		63.1	63.7	65.6	66.0	66.0	66.0	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000		63.2	63.8	65.7	66.1	66.1	66.1	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 12000		63.5	64.2	66.1	66.4	66.4	66.4	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000		64.4	65.3	67.2	67.5	67.5	67.5	67.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 9000		65.5	66.2	68.1	68.5	68.5	68.5	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 8000		70.4	71.1	73.0	73.6	73.6	73.6	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000		74.7	75.5	77.5	78.2	78.2	78.2	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 6000		75.9	76.8	78.6	79.3	79.3	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000		76.8	77.5	79.5	80.2	80.2	80.2	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 4500		78.2	79.0	81.0	81.6	81.6	81.6	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000		78.4	79.4	81.4	82.1	82.1	82.1	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3500		80.1	80.9	82.9	83.5	83.5	83.5	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		81.0	81.8	83.8	84.5	84.5	84.5	84.6	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500		83.1	83.9	86.0	86.8	86.8	86.8	86.9	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000		84.5	85.7	87.8	88.5	88.5	88.5	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800		85.1	86.0	88.1	89.0	89.0	89.0	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		86.0	87.0	89.2	90.5	90.5	90.5	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200		87.2	88.3	90.7	92.1	92.1	92.1	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1000		89.7	89.2	91.5	93.1	93.1	93.1	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900		89.0	89.2	91.3	93.1	93.1	93.1	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800		89.1	89.4	91.4	93.4	93.4	93.4	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700		89.5	89.9	92.2	94.0	94.0	94.0	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600		89.9	90.2	92.5	94.3	94.3	94.3	94.7	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500		90.1	90.2	92.8	94.7	94.7	94.7	95.2	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400		90.9	90.3	92.9	95.2	95.2	95.2	95.8	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300		90.9	90.3	92.9	95.2	95.2	95.2	95.8	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 200		90.5	90.3	93.0	95.3	95.3	95.3	95.9	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100		90.5	90.3	93.0	95.3	95.3	95.3	95.9	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0		90.5	90.3	93.0	95.3	95.3	95.3	95.9	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

999

USAF ETAC Form 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING CO., CP.
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

14011 TURRETIN AC SPAIN/MADEID
STATION NAME

68-77

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING		52.7	53.2	54.4	55.7	55.8	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1
≥ 20000		26.6	27.3	28.9	30.2	30.3	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.7
≥ 18000		57.2	58.0	59.6	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000		57.2	58.0	59.6	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000		57.2	58.0	59.6	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 12000		57.4	58.2	59.8	61.4	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000		58.1	58.9	60.4	62.1	62.2	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6
≥ 9000		58.0	59.8	61.3	63.0	63.1	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4
≥ 8000		64.4	65.2	66.9	68.7	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1
≥ 7000		69.3	70.1	71.9	73.0	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3
≥ 6000		71.0	71.0	72.4	74.0	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3
≥ 5000		71.0	71.0	73.5	75.7	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1
≥ 4500		72.3	73.1	74.9	77.1	77.2	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6
≥ 4000		73.6	74.2	76.0	78.2	78.3	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7
≥ 3500		74.6	75.3	77.2	79.4	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000		75.9	76.7	78.5	80.0	80.9	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500		75.3	77.1	79.1	81.8	81.9	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000		77.3	78.2	80.2	83.3	83.4	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1800		77.6	78.4	80.4	83.6	83.9	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500		79.0	80.1	82.4	85.9	86.0	86.9	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200		80.1	81.3	84.0	87.4	87.6	88.4	88.7	88.7	89.2	89.2	89.2	89.2	89.2
≥ 1000		80.8	82.1	84.9	88.4	88.7	89.7	89.9	89.9	90.4	90.4	90.4	90.4	90.4
≥ 900		81.0	82.3	85.2	88.8	89.0	90.0	90.2	90.2	90.8	90.8	90.8	90.8	90.8
≥ 800		81.1	82.4	85.3	89.0	89.2	90.3	90.6	90.6	91.1	91.1	91.1	91.1	91.1
≥ 700		82.0	83.3	86.4	90.1	90.3	91.4	91.7	91.7	92.2	92.2	92.2	92.2	92.2
≥ 600		82.4	83.8	86.9	90.6	90.9	92.0	92.4	92.4	93.0	93.0	93.0	93.0	93.0
≥ 500		82.4	83.8	87.0	90.6	91.1	92.4	93.1	93.1	93.8	93.8	93.8	93.8	93.8
≥ 400		82.4	83.8	87.0	91.3	91.7	93.1	94.0	94.1	95.1	95.1	95.1	95.1	95.1
≥ 300		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.6	95.6	95.6	95.6	95.6
≥ 200		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.9	95.9	95.9	95.9	95.9
≥ 100		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.9	95.9	95.9	95.9	95.9
0		82.4	83.8	87.0	91.4	91.8	93.3	94.2	94.6	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/1AC

CEILING VERSUS VISIBILITY

14011

TURKEY D. AF SPAIN/ADKID

68-77

FAES

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES												
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥0
NO CEILING													
≥ 20000		49.5	49.7	51.2	53.2	53.2	53.8	53.8	54.1	54.1	54.1	54.1	54.1
≥ 18000		55.2	55.8	58.1	60.4	60.4	61.1	61.1	61.3	61.3	61.3	61.3	61.3
≥ 16000		56.1	56.6	58.8	61.2	61.2	61.8	61.8	62.1	62.1	62.1	62.1	62.1
≥ 14000		56.2	56.6	58.8	61.2	61.2	61.8	61.8	62.1	62.1	62.1	62.1	62.1
≥ 12000		56.5	57.1	59.3	61.6	61.6	62.3	62.3	62.5	62.5	62.5	62.5	62.5
≥ 10000		56.8	57.4	59.6	62.1	62.1	62.6	62.6	62.8	62.8	62.8	62.8	62.8
≥ 9000		57.6	58.2	60.3	62.8	62.8	63.5	63.5	63.7	63.7	63.7	63.7	63.7
≥ 8000		58.4	59.0	61.4	63.7	63.7	64.4	64.4	64.6	64.6	64.6	64.6	64.6
≥ 7000		62.1	62.8	65.3	67.6	67.6	68.3	68.3	68.5	68.5	68.5	68.5	68.5
≥ 6000		67.2	68.1	70.7	73.1	73.1	73.9	73.9	74.1	74.1	74.1	74.1	74.1
≥ 5000		67.6	68.5	71.2	73.5	73.5	74.3	74.3	74.5	74.5	74.5	74.5	74.5
≥ 4500		69.2	70.2	72.9	75.2	75.2	76.0	76.0	76.2	76.2	76.2	76.2	76.2
≥ 4000		69.7	70.7	73.4	75.8	75.8	76.5	76.5	76.8	76.8	76.8	76.8	76.8
≥ 3500		71.3	72.3	75.0	77.4	77.4	78.2	78.2	78.4	78.4	78.4	78.4	78.4
≥ 3000		72.2	73.2	75.9	78.3	78.3	79.2	79.2	79.4	79.4	79.4	79.4	79.4
≥ 2500		74.3	75.3	78.1	80.5	80.5	81.4	81.4	81.6	81.6	81.6	81.6	81.6
≥ 2000		76.1	77.2	80.1	82.8	82.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0
≥ 1800		77.2	78.3	81.2	84.1	84.1	85.0	85.0	85.2	85.2	85.2	85.2	85.2
≥ 1500		77.4	78.5	81.6	84.4	84.4	85.4	85.4	85.7	85.7	85.7	85.7	85.7
≥ 1200		79.7	80.2	83.3	86.3	86.3	87.4	87.4	87.8	87.8	87.8	87.8	87.8
≥ 1000		80.3	81.2	84.4	87.6	87.6	89.0	89.0	89.3	89.3	89.3	89.3	89.3
≥ 900		80.5	82.1	85.7	89.3	89.3	90.4	90.4	90.8	90.8	90.8	90.8	90.8
≥ 800		81.2	82.5	86.4	89.9	89.9	91.2	91.2	91.5	91.5	91.5	91.5	91.5
≥ 700		82.0	83.3	87.8	91.2	91.2	92.0	92.0	92.3	92.3	92.3	92.3	92.3
≥ 600		82.2	83.6	88.3	91.6	91.6	92.3	92.3	92.8	92.8	92.8	92.8	92.8
≥ 500		82.2	83.6	88.3	92.0	92.0	92.8	92.8	93.8	93.8	93.8	93.8	93.8
≥ 400		82.2	83.6	88.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300		82.2	83.6	88.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 200		82.2	83.6	88.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 100		82.2	83.6	88.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
"		82.2	83.6	88.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

892

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

DATA PROCESSING C.A.A. CM
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

14011
STATION

TORREJON DE SPAIN/PADRID
STATION NAME

68-77

YEAR

NDY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.5	≥1.3	≥1.1	≥1	≥.9	≥.8	≥.7	≥.6
NO CEILING		54.0	54.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000		59.7	59.1	59.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		59.0	59.4	59.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000		59.0	59.4	59.4	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000		59.2	59.7	59.7	60.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000		60.2	60.7	60.7	61.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000		61.0	61.0	61.0	62.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000		62.0	62.0	62.0	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 8000		65.7	66.0	66.0	66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000		70.0	70.0	70.0	71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 6000		71.0	71.0	71.0	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000		71.0	72.0	72.0	73.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500		73.0	73.0	73.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000		75.0	75.0	75.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500		77.0	78.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000		81.0	82.0	82.0	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500		83.0	84.0	84.0	85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000		85.0	86.0	86.0	87.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800		86.0	87.0	87.0	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500		86.0	88.0	88.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200		88.0	89.0	89.0	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 700		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 400		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 300		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 200		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 100		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 0		89.0	90.0	90.0	91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS 800

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

FORM 104

1954

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

14011 STATION TURKEY AIR SPAIN/PACRID STATION NAME

06-77

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	-3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0
NO CEILING														
≥ 20000	53.0	53.6	54.1	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	50.0	50.2	50.5	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	55.0	55.7	56.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	55.2	55.9	56.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	50.5	51.5	51.8	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	52.4	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	54.4	55.2	55.6	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 8000	55.8	56.4	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	74.5	74.9	76.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000	75.4	76.2	76.1	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	77.4	78.2	80.2	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	72.5	79.7	81.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	80.3	81.3	83.4	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3500	50.6	64.3	66.5	68.5	68.5	68.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3000	54.2	67.1	69.3	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	57.7	66.6	68.8	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2000	59.3	69.2	72.4	74.3	74.3	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800	59.4	69.3	72.6	75.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 1500	50.2	61.1	63.4	66.2	66.2	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 1200	50.2	61.3	63.9	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1000	50.6	61.6	64.4	67.2	67.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 900	50.7	61.7	64.7	67.4	67.4	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 800	51.0	62.0	65.1	67.9	67.9	67.9	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 700	51.0	62.0	65.1	67.9	67.9	67.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 600	51.1	62.1	65.2	68.0	68.0	68.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 500	51.1	62.1	65.2	68.0	68.0	68.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 400	51.1	62.1	65.2	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 300	51.1	62.1	65.2	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 200	51.1	62.1	65.2	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 100	51.1	62.1	65.2	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 0	51.1	62.1	65.2	68.0	68.0	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/14C

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AIR SPAIN/MADRID
STATION NAME

08-77
YEAR

NUV
NO. OF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS, U.S.T.

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .0
NO CEILING ≥ 20000		61.1	61.4	62.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000		64.1	64.4	66.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 16000		64.5	65.2	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 14000		64.5	65.2	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 12000		65.2	65.6	67.3	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 10000		65.7	66.0	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000		67.0	67.6	69.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 8000		68.6	68.6	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000		74.0	74.3	76.3	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000		79.7	80.0	82.0	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000		80.3	80.7	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500		81.7	82.1	84.1	84.9	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000		83.2	83.7	85.7	86.4	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500		84.8	85.2	87.2	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000		86.6	87.0	89.0	89.6	89.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500		88.4	88.9	91.0	91.8	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000		90.8	90.2	92.3	93.1	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800		91.2	91.6	93.9	94.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500		91.4	92.0	94.2	95.1	95.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200		92.1	92.7	95.0	96.3	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000		92.1	92.7	95.0	96.3	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		92.6	93.1	95.7	97.4	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800		92.6	93.3	95.9	97.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		92.9	93.4	96.0	98.0	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600		92.9	93.4	96.0	98.0	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		92.9	93.4	96.1	98.1	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		92.9	93.4	96.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		92.9	93.4	96.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		92.9	93.4	96.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		92.9	93.4	96.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		92.9	93.4	96.2	98.2	98.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AFB SPAIN/MADRID

08-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES													TOTAL NUMBER OF OBSERVATIONS			
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .4		≥ 0		
NO CEILING																	
≥ 20000		55.0	65.9	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.2	68.2
≥ 18000		67.6	68.4	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.9	70.9
≥ 16000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 14000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 12000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 10000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 9000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 8000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 7000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 6000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 5000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 4500		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 4000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 3500		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 3000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 2500		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 2000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 1800		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 1500		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 1200		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 1000		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 900		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 800		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 700		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 600		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 500		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 400		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 300		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 200		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 100		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3
≥ 0		68.0	68.9	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.3	71.3

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AIR SPAWN/MARKID
STATION NAME

58-77
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES													
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0	
NO CEILING		57.1	57.7	58.5	59.7	59.7	59.8	59.9	59.9	60.0	60.0	60.0	60.1	60.2
≥ 20000		61.1	61.7	62.2	64.2	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.6	64.7
≥ 18000		61.4	62.2	63.7	64.7	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.1	65.2
≥ 16000		61.6	62.2	63.7	64.7	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.1	65.2
≥ 14000		61.8	62.4	63.7	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.4
≥ 12000		62.4	63.0	64.5	65.5	65.5	65.7	65.7	65.7	65.9	65.9	65.9	66.0	66.1
≥ 10000		63.6	64.2	65.7	66.8	66.8	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.3
≥ 9000		64.8	65.4	66.9	68.1	68.1	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.6
≥ 8000		69.5	70.1	71.7	72.9	72.9	73.2	73.2	73.2	73.3	73.3	73.3	73.4	73.5
≥ 7000		74.4	75.1	76.8	78.1	78.1	78.4	78.4	78.4	78.6	78.6	78.6	78.7	78.8
≥ 6000		75.4	76.1	77.8	79.2	79.2	79.5	79.5	79.5	79.7	79.7	79.8	79.8	79.9
≥ 5000		76.5	77.2	78.9	80.3	80.4	80.7	80.7	80.9	80.9	80.9	81.0	81.0	81.1
≥ 4500		77.7	78.5	80.2	81.6	81.6	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.4
≥ 4000		79.0	79.8	81.5	82.9	83.0	83.3	83.4	83.4	83.5	83.5	83.6	83.6	83.8
≥ 3500		80.7	81.4	83.2	84.6	84.6	85.0	85.1	85.1	85.3	85.3	85.4	85.4	85.5
≥ 3000		82.6	83.3	85.1	86.5	86.6	87.0	87.1	87.1	87.3	87.3	87.4	87.4	87.6
≥ 2500		84.1	84.9	86.7	88.2	88.3	88.7	88.8	88.8	89.1	89.1	89.1	89.2	89.3
≥ 2000		85.7	86.5	88.3	90.1	90.1	90.6	90.7	90.7	91.0	91.0	91.1	91.1	91.3
≥ 1800		85.9	86.7	88.6	90.4	90.5	91.0	91.1	91.1	91.4	91.4	91.4	91.5	91.6
≥ 1500		87.0	87.9	89.1	92.2	92.2	92.8	93.0	93.1	93.4	93.4	93.4	93.5	93.6
≥ 1200		87.7	88.5	90.9	93.1	93.1	93.8	94.0	94.0	94.3	94.3	94.4	94.4	94.6
≥ 1000		88.1	89.1	91.6	93.9	94.0	94.7	94.9	95.0	95.3	95.3	95.4	95.4	95.6
≥ 900		88.2	89.2	91.7	94.1	94.2	94.9	95.1	95.2	95.5	95.5	95.6	95.6	95.8
≥ 800		88.4	89.4	92.1	94.6	94.6	95.5	95.7	95.8	96.2	96.2	96.3	96.3	96.4
≥ 700		88.7	89.6	92.5	95.1	95.2	96.1	96.4	96.5	96.8	96.8	96.9	96.9	97.1
≥ 600		88.8	90.0	92.7	95.3	95.4	96.4	96.8	96.9	97.3	97.3	97.4	97.4	97.6
≥ 500		88.9	90.0	92.8	95.6	95.6	96.7	97.2	97.4	97.9	97.9	98.0	98.0	98.2
≥ 400		89.0	90.0	92.9	95.8	95.8	96.9	97.6	97.7	98.4	98.4	98.5	98.6	98.8
≥ 300		89.0	90.0	93.0	95.8	95.8	97.0	97.6	97.9	98.6	98.6	98.7	98.8	99.1
≥ 200		89.0	90.0	92.9	95.8	95.8	97.0	97.7	97.9	98.7	98.7	98.8	98.9	99.4
≥ 100		89.9	90.0	92.9	95.6	95.6	97.0	97.7	97.9	98.7	98.8	98.9	99.0	99.7
≥ 0		88.9	90.0	92.9	95.8	95.8	97.0	97.7	97.9	98.7	98.8	98.9	99.0	99.7

TOTAL NUMBER OF OBSERVATIONS

7197

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011
STATION

TURREJON AP SPAIN/MADRID
STATION NAME

68-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.7	≥ 1.4	≥ 1.1	≥ .8	≥ .6	≥ 0
NO CEILING													
≥ 20000		40.2	49.9	50.9	50.8	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000		53.1	53.2	54.7	54.8	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000		53.2	54.2	54.8	54.9	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000		53.2	53.6	54.8	54.9	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000		53.2	53.6	54.8	54.9	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000		54.4	54.8	55.4	55.5	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000		55.7	55.4	56.3	56.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000		59.2	59.6	61.2	61.4	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000		62.8	64.2	65.9	66.7	66.0	66.6	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000		65.2	65.7	67.3	67.4	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000		65.5	67.1	68.7	68.8	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500		68.5	69.0	70.4	71.0	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4000		69.1	69.0	72.1	72.2	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500		74.0	70.4	72.9	73.4	73.4	74.2	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000		74.0	75.5	77.9	78.5	78.5	79.2	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500		75.7	77.3	79.4	80.3	80.3	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000		79.3	80.0	83.0	83.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800		79.4	80.1	83.1	83.9	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500		82.2	82.9	86.0	86.5	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200		83.6	84.2	87.6	88.0	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1000		84.2	84.9	88.4	89.5	89.5	90.6	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900		84.6	85.5	89.0	90.4	90.4	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800		84.7	85.6	89.2	90.3	90.9	92.0	92.4	92.4	92.4	92.4	92.4	92.4
≥ 700		86.4	86.4	90.1	91.9	91.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600		85.0	87.1	90.9	92.9	92.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500		85.0	87.3	91.1	93.1	93.1	94.5	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400		86.0	87.4	91.2	93.2	93.2	94.6	95.2	95.5	95.5	95.5	95.5	95.5
≥ 300		86.0	87.4	91.2	93.2	93.2	94.6	95.2	95.5	95.5	95.5	95.5	95.5
≥ 200		86.0	87.4	91.2	93.2	93.3	94.9	95.5	95.9	95.9	95.9	95.9	95.9
≥ 100		86.0	87.4	91.2	93.2	93.3	94.9	95.5	95.9	95.9	95.9	95.9	95.9
≥ 0		86.0	87.4	91.2	93.2	93.3	94.9	95.5	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS

929



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AIR SPAIN/MADRID
STATION NAME

82-77
YEARS

DEC
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS UT

CEILING (FEET)	VISIBILITY - STATUTE MILES													TOTAL NUMBER OF OBSERVATIONS			
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.3	≥ 0.2	≥ 0.1		≥ 0.05	≥ 0.02	≥ 0.01
NO CEILING		47.8	48.3	48.7	49.5	49.5	50.0	50.1	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.6
≥ 20000		51.7	52.2	52.4	53.3	53.3	53.9	54.0	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.5
≥ 18000		52.3	52.7	53.2	53.9	53.9	54.4	54.5	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	55.1
≥ 16000		52.3	52.7	53.3	53.9	53.9	54.4	54.5	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	55.1
≥ 14000		52.4	52.8	53.4	54.0	54.0	54.5	54.6	54.8	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.2
≥ 12000		53.1	53.5	54.2	54.7	54.7	55.3	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.9
≥ 10000		54.5	54.9	55.6	56.1	56.1	56.7	56.8	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.3
≥ 9000		55.4	55.8	56.5	57.0	57.0	57.5	57.6	57.8	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.2
≥ 8000		59.4	60.0	60.6	61.2	61.2	61.7	61.8	62.0	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.4
≥ 7000		64.0	64.4	65.2	65.7	65.7	66.2	66.3	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.9
≥ 6000		65.1	65.5	66.3	66.9	66.9	67.4	67.5	67.7	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.1
≥ 5000		65.6	67.0	67.4	68.4	68.4	68.9	69.0	69.2	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.6
≥ 4500		65.2	68.8	69.7	70.4	70.4	71.0	71.2	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.7
≥ 4000		65.7	69.4	70.3	71.1	71.1	71.6	71.8	72.0	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.4
≥ 3500		71.0	71.6	72.6	73.3	73.3	73.9	74.1	74.3	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.6
≥ 3000		74.5	75.2	76.1	76.9	76.9	77.4	77.6	77.8	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.2
≥ 2500		77.4	78.1	79.7	79.6	79.6	80.3	80.5	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.1
≥ 2000		80.1	80.9	81.9	82.8	82.8	83.4	83.7	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.2
≥ 1800		82.2	81.1	82.2	83.0	83.0	83.7	83.9	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.4
≥ 1500		82.3	83.1	84.4	85.4	85.4	86.0	86.3	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.9
≥ 1200		84.2	85.2	86.6	87.6	87.6	88.4	88.7	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.2
≥ 1000		84.9	85.9	87.6	88.8	88.8	89.6	89.9	89.9	90.1	90.2	90.2	90.2	90.3	90.4	90.4	90.5
≥ 900		85.4	86.3	88.1	89.2	89.2	90.0	90.3	90.5	90.6	90.6	90.6	90.6	90.9	90.9	90.9	91.0
≥ 800		85.6	86.7	88.5	89.8	89.8	90.5	90.9	91.1	91.2	91.2	91.2	91.2	91.4	91.4	91.4	91.5
≥ 700		85.8	86.9	88.9	90.2	90.2	91.0	91.3	91.5	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.9
≥ 600		85.8	86.9	89.1	90.4	90.4	91.2	91.6	91.8	91.9	91.9	91.9	91.9	92.2	92.2	92.2	92.3
≥ 500		86.3	87.4	89.9	91.4	91.4	92.4	93.0	93.2	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.7
≥ 400		86.3	87.4	89.9	91.4	91.4	92.6	93.3	93.8	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.2
≥ 300		86.3	87.5	90.1	91.6	91.6	93.0	93.8	94.1	94.4	94.6	94.6	94.6	94.8	94.8	94.8	95.1
≥ 200		86.5	87.6	90.2	91.7	91.7	93.1	94.1	94.4	94.8	95.2	95.2	95.2	95.4	95.4	95.4	96.0
≥ 100		86.5	87.6	90.2	91.7	91.7	93.1	94.1	94.4	94.8	95.3	95.3	95.3	95.5	95.5	95.5	96.4
≥ 0		86.6	87.7	90.3	91.8	91.8	93.2	94.2	94.5	94.9	95.4	95.4	95.4	95.7	95.7	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

14011 TURKEYIN A3 SPAIN/MADRID

68-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS UTC

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1.3	≥ 1.2	≥ 1.1	≥ 1.0	≥ 0.5	≥ 0
NO CEILING															
≥ 20000	45.7	45.9	45.9	45.9	46.6	46.7	47.6	48.1	48.1	48.6	48.6	48.6	48.6	48.6	48.8
≥ 18000	49.9	50.3	50.4	50.4	51.2	51.3	52.3	52.7	52.7	53.2	53.2	53.2	53.2	53.2	53.4
≥ 16000	49.9	50.4	50.5	50.5	51.3	51.4	52.4	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.5
≥ 14000	49.9	50.4	50.5	50.5	51.3	51.4	52.4	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.5
≥ 12000	50.5	51.3	51.4	51.4	52.2	52.3	53.3	53.8	53.8	54.3	54.3	54.3	54.3	54.3	54.5
≥ 10000	51.9	52.0	52.0	52.2	53.0	53.1	54.1	54.5	54.5	55.1	55.1	55.1	55.1	55.1	55.3
≥ 9000	52.3	52.8	52.8	53.1	54.1	54.1	55.1	55.5	55.5	56.0	56.0	56.0	56.0	56.0	56.2
≥ 8000	56.3	56.9	57.4	57.4	58.3	58.4	59.4	59.8	59.8	60.3	60.3	60.3	60.3	60.3	60.5
≥ 7000	60.5	61.3	61.9	61.9	62.8	62.9	63.9	64.3	64.3	64.8	64.8	64.8	64.8	64.8	65.1
≥ 6000	62.0	62.6	63.2	63.2	64.1	64.2	65.2	65.6	65.6	66.1	66.1	66.1	66.1	66.1	66.3
≥ 5000	63.1	63.7	64.4	64.4	65.3	65.4	66.3	66.8	66.8	67.3	67.3	67.3	67.3	67.3	67.5
≥ 4500	64.5	65.1	65.8	65.8	66.7	66.8	67.7	68.4	68.4	68.9	68.9	68.9	68.9	68.9	69.1
≥ 4000	65.2	65.8	66.6	66.6	67.4	67.5	68.5	69.2	69.2	69.8	69.8	69.8	69.8	69.8	70.0
≥ 3500	67.1	67.7	68.5	68.5	69.5	69.6	70.5	71.4	71.4	71.9	71.9	71.9	71.9	71.9	72.2
≥ 3000	70.3	71.0	71.7	71.7	72.6	72.8	73.9	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.5
≥ 2500	73.2	74.0	74.7	74.7	75.6	75.9	77.0	77.8	77.8	78.4	78.4	78.4	78.4	78.4	78.6
≥ 2000	74.2	74.9	75.6	75.6	76.6	76.9	78.0	78.8	78.8	79.4	79.4	79.4	79.4	79.4	79.6
≥ 1800	77.1	78.0	78.7	78.7	80.1	80.2	81.3	82.2	82.2	82.7	82.7	82.7	82.7	82.7	82.9
≥ 1500	78.6	79.4	80.3	80.3	81.7	81.8	83.0	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.6
≥ 1200	78.9	79.9	80.9	80.9	82.5	82.6	83.9	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.5
≥ 1000	79.9	81.0	82.0	82.0	83.8	83.9	85.5	86.5	86.5	87.0	87.0	87.0	87.0	87.0	87.2
≥ 900	79.9	81.0	82.0	82.0	83.9	84.0	85.9	87.0	87.0	87.5	87.5	87.5	87.5	87.5	87.7
≥ 800	80.2	81.3	82.3	82.3	84.5	84.6	86.6	87.6	87.6	88.2	88.2	88.2	88.2	88.2	88.4
≥ 700	80.8	81.9	83.0	83.0	85.5	85.6	88.2	89.2	89.2	89.9	89.9	89.9	89.9	89.9	90.0
≥ 600	81.0	82.2	83.4	83.4	86.5	86.6	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.1
≥ 500	81.2	82.4	83.6	83.6	87.4	87.5	89.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.8
≥ 400	81.2	82.7	84.5	84.5	87.8	88.0	91.3	91.7	91.7	92.6	92.6	92.6	92.6	92.6	93.2
≥ 300	81.2	82.7	84.6	84.6	88.1	88.1	91.4	92.2	92.2	93.8	93.8	93.8	93.8	93.8	94.6
≥ 200	81.2	82.7	84.6	84.6	88.1	88.1	91.5	92.3	92.3	94.2	94.2	94.2	94.2	94.2	95.2
≥ 100	81.2	82.7	84.6	84.6	88.1	88.1	91.5	92.3	92.3	94.2	94.2	94.2	94.2	94.2	95.2
0	81.2	82.7	84.6	84.6	88.1	88.1	91.5	92.3	92.3	94.2	94.2	94.2	94.2	94.2	95.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 111-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING MACHIN
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AR SPAIN/MADRID
STATION NAME

8-77

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ 0
NO CEILING															
≥ 20000	42.4	43.0	43.8	45.2	45.2	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.2
≥ 18000	47.4	48.5	49.5	51.2	51.2	51.8	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.5
≥ 16000	47.4	48.5	49.5	51.2	51.2	51.8	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.5
≥ 14000	47.5	48.6	49.6	51.3	51.3	51.9	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.6
≥ 12000	47.5	48.6	49.6	51.3	51.3	51.9	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.6
≥ 10000	48.3	49.4	50.3	52.0	52.0	52.7	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.3
≥ 9000	49.5	50.5	51.7	53.5	53.5	54.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.8
≥ 8000	51.7	52.9	54.3	56.1	56.1	56.8	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.5
≥ 7000	55.1	56.3	57.7	59.9	59.9	60.6	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.4
≥ 6000	55.6	57.0	58.4	60.6	60.6	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.9	62.2
≥ 5000	57.1	58.5	59.9	62.2	62.2	62.9	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.7
≥ 4500	59.1	59.5	61.0	63.4	63.4	64.2	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.9
≥ 4000	59.9	60.3	61.9	64.6	64.6	65.7	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.6
≥ 3500	61.1	62.5	64.2	66.9	66.9	68.2	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.9	69.1
≥ 3000	64.9	66.2	68.1	70.8	70.8	72.0	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.8	73.0
≥ 2500	68.0	69.5	71.3	74.2	74.2	75.6	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.6
≥ 2000	70.9	72.7	74.8	78.2	78.2	79.6	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.4	80.6
≥ 1800	71.7	73.5	75.7	79.2	79.2	80.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.7
≥ 1500	74.4	76.2	78.7	82.3	82.3	83.9	84.4	84.7	84.8	84.8	84.8	84.8	84.8	85.1	85.3
≥ 1200	75.4	77.2	79.8	83.4	83.4	85.5	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.9	87.1
≥ 1000	76.2	78.3	81.1	85.1	85.1	87.3	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.9	89.1
≥ 900	76.2	78.3	81.1	85.4	85.4	87.6	88.4	88.9	88.9	88.9	88.9	88.9	88.9	89.2	89.6
≥ 800	76.3	78.4	81.4	85.7	85.7	88.1	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.9	90.1
≥ 700	76.5	78.5	81.7	86.3	86.3	88.9	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.8	91.0
≥ 600	76.5	78.6	82.0	86.7	86.7	89.4	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.5	91.7
≥ 500	76.6	78.6	82.2	86.9	86.9	90.2	91.4	92.2	92.2	92.2	92.2	92.2	92.2	92.8	93.0
≥ 400	76.6	78.6	82.2	86.9	86.9	90.3	91.7	92.8	92.8	92.8	92.8	92.8	92.8	93.7	94.0
≥ 300	76.6	78.6	82.2	87.0	87.0	90.5	92.2	93.8	93.8	93.8	93.8	93.8	93.8	95.1	95.8
≥ 200	76.6	78.6	82.2	87.0	87.0	90.5	92.5	94.2	94.2	94.2	94.2	94.2	94.2	96.0	96.9
≥ 100	76.6	78.6	82.2	87.0	87.0	90.5	92.5	94.2	94.2	94.2	94.2	94.2	94.2	96.3	96.7
≥ 0	76.7	78.7	82.3	87.1	87.1	90.6	92.6	94.3	94.3	94.3	94.3	94.3	94.3	96.5	96.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / TAC

CEILING VERSUS VISIBILITY

14011
STATION

TURKEY AR SPAIN / MADRID
STATION NAME

68-77
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING ' FEET	VISIBILITY STATUTE MILES											
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0	
NO CEILING ≥ 20000		45.8	45.9	46.6	47.3	47.3	47.3	47.5	47.6	47.8	48.0	48.0
≥ 18000		58.5	51.2	52.1	53.0	53.0	53.0	53.2	53.3	53.7	53.8	53.8
≥ 16000		57.6	51.3	52.4	53.1	53.1	53.1	53.3	53.4	53.8	53.9	53.9
≥ 14000		57.6	51.3	52.2	53.1	53.1	53.3	53.4	53.4	53.8	53.9	53.9
≥ 12000		50.9	51.7	52.6	53.5	53.5	53.5	53.8	53.9	54.2	54.3	54.3
≥ 10000		51.0	51.8	52.7	53.7	53.7	53.7	53.9	54.0	54.3	54.4	54.4
≥ 9000		51.3	52.2	53.4	54.4	54.4	54.4	54.6	54.7	55.1	55.2	55.2
≥ 8000		52.5	54.4	55.8	56.8	56.8	56.9	57.1	57.2	57.5	57.6	57.6
≥ 7000		57.7	58.1	59.3	60.4	60.4	60.4	60.8	60.9	61.2	61.3	61.3
≥ 6000		60.6	61.5	62.9	63.9	63.9	64.0	64.2	64.3	64.6	64.7	64.7
≥ 5000		61.0	62.7	64.1	65.1	65.1	65.2	65.4	65.5	65.8	65.9	65.9
≥ 4500		62.8	63.9	65.3	66.5	66.5	66.6	66.8	66.9	67.2	67.3	67.3
≥ 4000		63.5	64.6	66.1	67.2	67.2	67.3	67.5	67.6	68.0	68.1	68.1
≥ 3500		64.7	65.8	67.3	68.7	68.7	68.9	69.1	69.2	69.6	69.7	69.7
≥ 3000		65.1	67.2	68.9	70.3	70.3	70.5	70.8	70.9	71.3	71.4	71.4
≥ 2500		71.4	72.5	74.5	75.9	75.9	75.9	76.3	76.5	76.9	77.0	77.0
≥ 2000		74.5	75.7	78.0	79.5	79.5	79.8	80.0	80.1	80.5	80.6	80.6
≥ 1800		77.1	78.5	81.1	83.1	83.1	83.4	83.7	83.8	84.2	84.3	84.3
≥ 1500		77.7	79.2	81.8	83.9	83.9	84.2	84.4	84.5	84.9	85.1	85.1
≥ 1200		80.2	82.0	84.7	86.8	86.8	87.2	87.4	87.5	88.0	88.1	88.1
≥ 1000		80.8	82.7	85.8	88.2	88.2	88.7	88.9	89.0	89.5	89.6	89.6
≥ 900		82.2	84.2	87.3	90.2	90.2	91.3	91.6	91.7	92.2	92.3	92.3
≥ 800		82.5	84.8	88.6	91.7	91.7	93.0	92.6	92.7	93.1	93.2	93.2
≥ 700		82.6	84.8	88.6	91.7	91.7	93.0	92.6	92.7	93.1	93.2	93.2
≥ 600		82.7	84.9	88.7	92.0	92.0	93.3	92.9	93.0	93.4	93.5	93.5
≥ 500		82.7	85.1	89.4	93.0	93.0	94.5	94.1	94.2	94.6	94.7	94.7
≥ 400		82.7	85.1	89.4	93.2	93.2	94.7	94.3	94.4	94.8	94.9	94.9
≥ 300		82.7	85.1	89.4	93.2	93.2	94.7	94.3	94.4	94.8	94.9	94.9
≥ 200		82.7	85.1	89.4	93.2	93.2	94.7	94.3	94.4	94.8	94.9	94.9
≥ 100		82.7	85.1	89.4	93.2	93.2	94.7	94.3	94.4	94.8	94.9	94.9
≥ 0		82.8	85.2	89.5	93.3	93.3	94.8	94.4	94.5	94.9	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 920

DATA PROCESSING TAI CHI
USAF ETAC
AIR WEATHER SERVICE / IAC

CEILING VERSUS VISIBILITY

14011 TURRETAN AB SPAIN/ADRIO
STATION NAME

08-77

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0
NO CEILING		46.0	46.0	46.0	46.0	46.0	47.0	47.0	47.0	47.0	47.0
≥ 20000		54.0	54.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000		54.0	54.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000		54.0	54.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000		54.0	54.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000		54.0	54.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000		55.0	55.0	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000		55.0	55.0	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 7000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 6000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 3500		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 3000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 2500		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 2000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1800		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1500		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1200		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1000		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 900		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 800		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 700		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 600		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 500		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 400		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 300		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 200		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 100		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
0		56.0	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011 STATION TURREJUN AB SPAIN/MADRID BR-77 YEAR 1800-2000 MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥1	≥1	≥1	≥1	≥0
NO CEILING		50.0	51.0	51.7	51.8	51.8	52.0	52.4	52.7	52.7	52.7	52.7	52.7
≥ 20000		56.8	57.0	57.6	58.0	58.1	58.2	58.5	58.8	58.8	58.8	58.8	58.8
≥ 18000		56.0	57.1	57.7	58.1	58.1	58.3	58.6	58.9	58.9	58.9	58.9	58.9
≥ 16000		56.9	57.1	57.7	58.1	58.1	58.3	58.6	58.9	58.9	58.9	58.9	58.9
≥ 14000		57.0	57.2	57.7	58.2	58.2	58.4	58.7	59.0	59.0	59.0	59.0	59.0
≥ 12000		57.4	57.6	58.0	58.6	58.6	58.8	59.1	59.5	59.5	59.5	59.5	59.5
≥ 10000		57.4	57.8	58.5	59.0	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000		58.5	58.7	59.5	59.7	59.7	60.0	60.3	60.6	60.6	60.6	60.6	60.6
≥ 8000		61.6	62.3	63.0	63.4	63.4	63.7	64.1	64.4	64.4	64.4	64.4	64.4
≥ 7000		65.2	66.1	66.9	67.3	67.3	67.5	68.0	68.4	68.4	68.4	68.4	68.4
≥ 6000		67.1	68.0	68.7	69.1	69.1	69.4	69.8	70.2	70.2	70.2	70.2	70.2
≥ 5000		69.1	70.1	71.1	71.4	71.4	71.6	72.0	72.5	72.5	72.5	72.5	72.5
≥ 4500		71.7	72.7	73.5	74.0	74.0	74.2	74.6	75.1	75.1	75.1	75.1	75.1
≥ 4000		73.1	74.1	75.1	75.2	75.2	75.5	76.0	76.6	76.6	76.6	76.6	76.6
≥ 3500		74.6	75.6	76.4	77.2	77.2	77.4	77.8	78.3	78.3	78.3	78.3	78.3
≥ 3000		78.7	79.6	81.4	81.8	81.8	82.0	82.5	82.9	82.9	82.9	82.9	82.9
≥ 2500		82.5	83.4	85.2	85.6	85.6	85.8	86.2	86.7	86.7	86.7	86.7	86.7
≥ 2000		84.5	85.6	87.4	87.8	87.8	88.2	88.6	89.0	89.0	89.0	89.0	89.0
≥ 1800		85.1	86.1	88.1	88.5	88.5	88.8	89.2	89.7	89.7	89.7	89.7	89.7
≥ 1500		86.9	88.0	90.2	90.3	90.3	91.1	91.6	92.0	92.0	92.0	92.0	92.0
≥ 1200		87.3	88.4	91.2	91.7	91.7	92.0	92.9	93.3	93.3	93.3	93.3	93.3
≥ 1000		87.6	88.5	91.5	92.4	92.4	92.9	93.8	94.2	94.2	94.2	94.2	94.2
≥ 900		87.7	88.8	91.5	92.3	92.3	93.4	94.3	94.7	94.7	94.7	94.7	94.7
≥ 800		87.7	88.9	92.2	93.3	93.3	94.1	95.2	95.6	95.6	95.6	95.6	95.6
≥ 700		87.7	89.0	92.4	93.7	93.7	94.4	95.7	96.2	96.2	96.2	96.2	96.2
≥ 600		88.1	89.4	92.0	94.2	94.2	95.1	96.3	96.9	96.9	96.9	96.9	96.9
≥ 500		88.1	89.4	93.1	94.5	94.5	95.5	96.9	97.4	97.4	97.4	97.4	97.4
≥ 400		88.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.0	98.0
≥ 300		88.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.0	98.0
≥ 200		88.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.0	98.0
≥ 100		88.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.0	98.0
0		88.1	89.4	93.3	94.8	94.8	95.8	97.2	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR ENTERPRISE SERVICE/ETAC

CEILING VERSUS VISIBILITY

14011 STATION TIRKEJON AIR SPAIN/WADSWID STATION NAME 68-77 MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 2100-2300 HOURS

CEILING FEET	VISIBILITY STATUTE MILES												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING		51.6	52.2	52.4	53.3	53.3	53.3	53.9	54.0	54.3	54.3	54.3	54.3
≥ 20000		55.9	57.1	57.7	58.3	58.3	58.7	58.8	58.9	59.2	59.2	59.2	59.2
≥ 18000		57.7	57.2	57.4	58.4	58.4	58.8	58.9	59.0	59.4	59.4	59.4	59.4
≥ 16000		57.7	57.2	57.4	58.4	58.4	58.8	58.9	59.0	59.4	59.4	59.4	59.4
≥ 14000		57.2	57.4	57.4	58.4	58.4	58.8	58.9	59.0	59.4	59.4	59.4	59.4
≥ 12000		57.4	57.6	58.3	58.3	58.8	59.2	59.4	59.5	59.8	59.8	59.8	59.8
≥ 10000		57.7	58.2	58.4	59.4	59.4	59.8	59.9	60.0	60.3	60.3	60.3	60.3
≥ 9000		59.4	59.8	60.2	60.8	61.2	61.2	61.4	61.7	61.7	61.7	61.7	61.7
≥ 8000		62.7	62.9	63.5	64.1	64.5	64.6	64.7	65.1	65.1	65.1	65.1	65.1
≥ 7000		65.5	66.7	67.3	67.8	67.8	68.3	68.4	68.5	68.8	68.8	68.8	68.8
≥ 6000		66.7	68.9	69.6	70.1	70.1	70.5	70.6	70.8	71.1	71.1	71.1	71.1
≥ 5000		70.2	70.6	71.4	71.9	72.4	72.4	72.5	72.6	72.9	72.9	72.9	72.9
≥ 4500		72.4	72.9	73.7	74.2	74.6	74.7	74.8	75.2	75.2	75.2	75.2	75.2
≥ 4000		72.8	73.4	74.6	75.2	75.2	75.6	75.7	75.8	76.1	76.1	76.1	76.1
≥ 3500		74.1	74.7	75.9	76.3	76.8	77.2	77.4	77.5	77.8	77.8	77.8	77.8
≥ 3000		76.4	79.2	80.5	81.4	81.4	81.8	82.0	82.2	82.5	82.5	82.5	82.5
≥ 2500		81.6	82.6	84.3	84.9	84.9	85.4	85.6	85.7	86.0	86.0	86.0	86.0
≥ 2000		83.3	84.6	86.3	87.4	87.4	87.8	88.1	88.2	88.5	88.5	88.5	88.5
≥ 1800		83.5	84.8	86.7	87.6	87.6	88.1	88.3	88.4	88.7	88.7	88.7	88.7
≥ 1500		85.1	86.8	88.4	89.6	89.6	90.0	90.2	90.3	90.6	90.6	90.6	90.6
≥ 1200		86.0	87.9	89.4	91.1	91.1	91.5	92.0	92.2	92.5	92.6	92.6	92.6
≥ 1000		86.3	87.6	89.9	91.6	91.6	92.4	93.0	93.1	93.4	93.5	93.5	93.5
≥ 900		86.9	88.4	90.4	92.4	92.4	93.4	94.1	94.2	94.5	94.6	94.6	94.6
≥ 800		87.4	88.4	90.5	92.4	92.4	93.4	94.2	94.3	94.6	94.7	94.7	94.7
≥ 700		87.3	88.8	91.2	93.2	93.2	94.4	95.2	95.3	95.6	95.7	95.7	95.7
≥ 600		87.3	88.8	91.3	93.4	93.4	94.6	95.5	95.6	95.9	96.0	96.0	96.0
≥ 500		87.3	88.8	91.4	93.7	93.7	94.8	95.7	95.8	96.3	96.3	96.3	96.3
≥ 400		87.5	89.0	91.5	94.1	94.1	95.3	96.2	96.3	96.9	96.9	96.9	96.9
≥ 300		87.5	89.1	91.6	94.2	94.2	95.4	96.3	96.5	96.9	97.1	97.1	97.1
≥ 200		87.5	89.0	91.6	94.3	94.3	95.6	96.7	96.8	97.2	97.4	97.4	97.4
≥ 100		87.5	89.0	91.6	94.3	94.3	95.6	96.7	96.8	97.2	97.4	97.4	97.4
≥ 0		87.5	89.4	91.9	94.6	94.6	95.9	97.0	97.1	97.5	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING SECTION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14011

TRENTON AIR SPAWN/ADKID

8-77

TOP

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 0
NO CEILING															
≥ 20000		47.4	48.4	48.4	48.5	49.0	49.4	49.5	49.6	49.8	49.9	49.9	49.9	49.9	50.0
≥ 18000		52.6	53.1	54.5	54.5	54.5	55.0	55.2	55.2	55.4	55.5	55.5	55.5	55.5	55.6
≥ 16000		57.7	58.2	58.4	58.6	58.7	59.1	59.3	59.4	59.6	59.7	59.7	59.7	59.7	59.8
≥ 14000		52.7	53.2	53.9	54.6	54.7	55.1	55.3	55.4	55.6	55.6	55.7	55.7	55.7	55.8
≥ 12000		52.8	53.4	54.1	54.3	54.8	55.3	55.5	55.5	55.7	55.8	55.8	55.8	55.8	55.9
≥ 10000		55.2	55.3	55.4	55.7	55.8	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.4	56.4
≥ 9000		53.9	54.4	55.3	56.0	56.0	56.5	56.7	56.7	57.0	57.0	57.0	57.0	57.1	57.1
≥ 8000		55.0	56.4	56.4	57.2	57.3	57.7	57.9	58.0	58.2	58.3	58.3	58.3	58.3	58.4
≥ 7000		58.4	59.1	60.1	60.9	60.9	61.4	61.6	61.7	61.9	61.9	62.0	62.0	62.0	62.1
≥ 6000		62.4	63.1	64.1	64.9	64.9	65.4	65.6	65.7	65.9	66.0	66.0	66.0	66.0	66.1
≥ 5000		63.7	64.4	65.4	66.2	66.2	66.8	67.0	67.1	67.3	67.3	67.4	67.4	67.4	67.5
≥ 4500		65.1	65.9	67.0	67.8	67.8	68.3	68.6	68.6	68.9	68.9	68.9	68.9	68.9	69.0
≥ 4000		66.3	67.0	68.7	69.6	69.6	70.1	70.4	70.5	70.7	70.7	70.8	70.8	70.8	70.9
≥ 3500		67.8	68.6	69.9	70.9	70.9	71.4	71.7	71.8	72.0	72.1	72.1	72.1	72.1	72.2
≥ 3000		69.3	70.4	71.7	72.6	72.6	73.4	73.7	73.8	74.1	74.1	74.1	74.2	74.2	74.2
≥ 2500		73.7	74.5	76.1	77.2	77.2	77.8	78.1	78.2	78.4	78.5	78.5	78.5	78.5	78.6
≥ 2000		76.8	77.7	79.3	80.5	80.5	81.2	81.5	81.6	81.8	81.8	81.9	81.9	81.9	82.0
≥ 1800		78.2	80.4	82.2	83.3	83.3	84.4	84.7	84.8	85.0	85.1	85.1	85.1	85.2	85.2
≥ 1600		79.8	80.9	82.4	84.3	84.3	85.0	85.4	85.4	85.7	85.7	85.8	85.8	85.9	85.9
≥ 1400		81.8	83.1	85.1	86.7	86.7	87.5	87.9	88.0	88.3	88.3	88.4	88.4	88.5	88.5
≥ 1200		82.7	84.0	86.3	88.1	88.1	89.0	89.5	89.6	89.9	89.9	90.0	90.0	90.1	90.1
≥ 1000		83.4	84.6	87.2	89.2	89.2	90.4	91.0	91.1	91.4	91.4	91.5	91.5	91.6	91.6
≥ 900		83.7	85.1	87.4	89.7	89.7	91.0	91.7	91.8	92.0	92.1	92.1	92.2	92.3	92.3
≥ 800		83.8	85.2	87.9	90.2	90.2	91.6	92.4	92.5	92.8	92.8	92.9	92.9	93.0	93.0
≥ 700		84.1	85.6	88.3	90.8	90.8	92.3	93.1	93.3	93.6	93.7	93.7	93.7	93.8	93.8
≥ 600		84.3	85.8	88.7	91.3	91.3	92.9	93.8	94.0	94.2	94.3	94.4	94.4	94.5	94.5
≥ 500		84.4	85.9	89.1	91.7	91.7	93.4	94.5	94.7	95.0	95.2	95.2	95.3	95.3	95.3
≥ 400		84.4	86.0	89.1	91.9	91.9	93.7	94.9	95.2	95.7	95.8	95.9	96.0	96.0	96.0
≥ 300		84.4	86.0	89.1	92.0	92.0	93.8	95.0	95.5	96.0	96.2	96.3	96.5	96.6	96.6
≥ 200		84.4	86.0	89.2	92.1	92.1	93.9	95.2	95.6	96.3	96.5	96.7	97.0	97.3	97.6
≥ 100		84.4	86.0	89.2	92.1	92.1	93.9	95.2	95.6	96.3	96.5	96.6	97.0	97.5	98.6
≥ 0		84.5	86.1	89.2	92.1	92.1	94.0	95.3	95.7	96.4	96.6	96.9	97.1	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

USAF ETAC 0-11-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AFAC

14011 T. REJ... SPAIN/AD...
STATION NAME

18-75

AFAC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	62.4	62.7	63.1	63.4	63.7	64.0	64.3	64.6	64.9	65.2	65.5	65.8	66.1	66.4	66.7	67.0
≥ 20000	69.4	69.8	70.2	70.5	70.9	71.2	71.5	71.8	72.1	72.4	72.7	73.0	73.3	73.6	73.9	74.2
≥ 18000	70.0	70.3	70.7	71.0	71.3	71.6	71.9	72.2	72.5	72.8	73.1	73.4	73.7	74.0	74.3	74.6
≥ 16000	70.1	70.4	70.7	71.0	71.3	71.6	71.9	72.2	72.5	72.8	73.1	73.4	73.7	74.0	74.3	74.6
≥ 14000	70.2	70.5	70.8	71.1	71.4	71.7	72.0	72.3	72.6	72.9	73.2	73.5	73.8	74.1	74.4	74.7
≥ 12000	70.8	71.1	71.4	71.7	72.0	72.3	72.6	72.9	73.2	73.5	73.8	74.1	74.4	74.7	75.0	75.3
≥ 10000	72.1	72.4	72.8	73.1	73.4	73.7	74.0	74.3	74.6	74.9	75.2	75.5	75.8	76.1	76.4	76.7
≥ 8000	73.4	73.7	74.1	74.4	74.7	75.0	75.3	75.6	75.9	76.2	76.5	76.8	77.1	77.4	77.7	78.0
≥ 7000	77.4	77.7	78.1	78.4	78.7	79.0	79.3	79.6	79.9	80.2	80.5	80.8	81.1	81.4	81.7	82.0
≥ 6000	80.4	80.7	81.1	81.4	81.7	82.0	82.3	82.6	82.9	83.2	83.5	83.8	84.1	84.4	84.7	85.0
≥ 5000	81.1	81.4	81.7	82.0	82.3	82.6	82.9	83.2	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6
≥ 4500	82.4	82.7	83.0	83.3	83.6	83.9	84.2	84.5	84.8	85.1	85.4	85.7	86.0	86.3	86.6	86.9
≥ 4000	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7	88.0
≥ 3500	84.6	84.9	85.2	85.5	85.8	86.1	86.4	86.7	87.0	87.3	87.6	87.9	88.2	88.5	88.8	89.1
≥ 3000	85.7	86.0	86.3	86.6	86.9	87.2	87.5	87.8	88.1	88.4	88.7	89.0	89.3	89.6	89.9	90.2
≥ 2500	91.1	91.5	92.2	92.8	93.5	94.2	94.9	95.6	96.3	97.0	97.7	98.4	99.1	99.8	100.5	101.2
≥ 2000	92.2	92.6	93.5	94.2	94.9	95.6	96.3	97.0	97.7	98.4	99.1	99.8	100.5	101.2	101.9	102.6
≥ 1800	92.4	92.8	93.7	94.4	95.1	95.8	96.5	97.2	97.9	98.6	99.3	100.0	100.7	101.4	102.1	102.8
≥ 1500	93.3	93.8	94.7	95.5	96.2	96.9	97.6	98.3	99.0	99.7	100.4	101.1	101.8	102.5	103.2	103.9
≥ 1200	93.8	94.3	95.4	96.2	96.9	97.6	98.3	99.0	99.7	100.4	101.1	101.8	102.5	103.2	103.9	104.6
≥ 1000	94.2	94.7	95.8	96.6	97.3	98.0	98.7	99.4	100.1	100.8	101.5	102.2	102.9	103.6	104.3	105.0
≥ 800	94.3	94.8	96.0	96.8	97.5	98.2	98.9	99.6	100.3	101.0	101.7	102.4	103.1	103.8	104.5	105.2
≥ 600	94.6	95.1	96.4	97.2	98.0	98.7	99.4	100.1	100.8	101.5	102.2	102.9	103.6	104.3	105.0	105.7
≥ 500	94.6	95.2	96.6	97.5	98.3	99.1	99.9	100.7	101.5	102.3	103.1	103.9	104.7	105.5	106.3	107.1
≥ 400	94.6	95.2	96.7	97.6	98.4	99.2	100.0	100.8	101.6	102.4	103.2	104.0	104.8	105.6	106.4	107.2
≥ 300	94.6	95.2	96.8	97.7	98.5	99.3	100.1	100.9	101.7	102.5	103.3	104.1	104.9	105.7	106.5	107.3
≥ 200	94.6	95.2	96.9	97.8	98.6	99.4	100.2	101.0	101.8	102.6	103.4	104.2	105.0	105.8	106.6	107.4
≥ 100	94.6	95.2	97.0	97.9	98.7	99.5	100.3	101.1	101.9	102.7	103.5	104.3	105.1	105.9	106.7	107.5
≥ 50	94.6	95.2	97.0	97.9	98.7	99.5	100.3	101.1	101.9	102.7	103.5	104.3	105.1	105.9	106.7	107.5
≥ 20	94.6	95.2	97.0	97.9	98.7	99.5	100.3	101.1	101.9	102.7	103.5	104.3	105.1	105.9	106.7	107.5
≥ 10	94.6	95.2	97.0	97.9	98.7	99.5	100.3	101.1	101.9	102.7	103.5	104.3	105.1	105.9	106.7	107.5

TOTAL NUMBER OF OBSERVATIONS 87484

USAF ETAC 05-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART I 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. Mean and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

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

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

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

Continued on Reverse

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

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

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

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

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

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

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

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

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

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

DAILY TEMPERATURES

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

STATION 14011 TORREJON AB, SPAIN/MADRID

YEARS 57-78

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
105							3	2					0
100						2	3.2	1.9					4
95						3.8	21.3	14.4	7				32.3
90					8	13.5	50.0	41.9	11.0				92.7
85					7.4	31.2	78.9	67.6	25.8	9			172.5
80				7	20.5	53.5	94.2	87.7	52.2	6.5			262.0
75			1.0	4.9	37.7	71.7	97.9	96.9	73.8	16.5	5		332.0
70		2	5.8	18.3	56.3	86.5	100.0	99.7	85.8	36.5	1.4		402.5
65	5	3.5	18.1	40.4	73.9	95.2	100.0	100.0	94.3	62.3	8.1		492.4
60	4.8	18.2	37.6	68.7	91.8	99.0		98.7	98.7	86.6	26.0	4.6	602.9
55	23.3	40.2	66.1	88.8	98.1	100.0		100.0	100.0	96.5	56.7	19.7	732.7
50	52.8	74.3	88.7	98.5	100.0					100.0	86.7	53.1	872.6
45	81.6	93.1	98.1	99.5							98.1	80.2	952.8
40	96.3	98.6	99.5	100.0							99.8	96.0	992.2
35	99.8	99.2	100.0								100.0	99.4	992.9
30	100.0	100.0										100.0	1002.0
MEAN	49.9	53.2	57.6	63.0	71.3	79.9	89.3	87.6	79.2	67.3	55.7	49.6	67.0
S. D.	5.757	6.294	7.211	7.003	8.791	8.758	5.988	6.490	8.062	7.289	6.043	5.696	15.488
TOTAL OBS.	648	592	619	597	620	600	620	620	600	650	630	650	7446

DAILY TEMPERATURES

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC
 STATION NAME

57-78

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75							.2	.2					0
70						.3	2.6	1.1	.2				.2
65					.2	3.0	15.8	12.3	2.2				2.8
60					1.5	20.7	57.7	50.0	15.7				12.1
55				.5	12.1	49.8	84.5	82.9	49.0	.9			23.8
50	1.7	.8	3.6	8.7	41.6	77.7	99.5	96.5	77.7	34.6	.2		37.0
45	7.3	7.6	15.5	32.3	65.2	93.7	100.0	99.5	94.2	64.2	17.8	7.4	50.0
40	22.7	24.7	37.6	63.0	85.6	98.8	100.0	100.0	98.5	85.1	42.2	23.4	66.8
35	43.4	53.7	68.7	87.4	98.4	100.0			100.0	95.5	68.4	46.5	79.9
33	53.4	63.3	75.0	92.8	99.4					97.7	76.2	56.5	84.3
30	68.5	79.9	88.7	97.5	99.8					99.4	88.1	71.8	91.0
25	89.4	92.6	96.8	99.5	100.0					99.8	97.0	87.8	96.8
20	98.8	99.0	99.5	100.0						100.0	100.0	98.6	99.7
15	99.8	99.7	100.0									99.8	99.9
10	100.0	99.8										100.0	100.0
0		100.0										100.0	100.0
MEAN	33.6	34.8	37.4	41.5	47.1	54.0	60.0	59.0	53.7	46.4	37.9	32.8	44.9
S.D.	7.283	6.878	6.720	5.996	6.206	6.030	5.011	5.033	5.684	6.406	6.988	7.416	11.369
TOTAL OBS.	648	592	619	597	620	600	620	620	600	650	630	650	7446

DAILY TEMPERATURES

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

14011 STATION TORREJON AB SPAIN/MADRID

57-78 YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90									.2				.0
85							1.0	.8					.1
80						2.8	18.2	11.3	.7				2.7
75					.5	14.0	53.7	64.0	10.3				10.1
70					7.1	38.7	86.9	78.2	31.8	.5			20.1
65				.5	22.6	65.0	98.5	96.5	61.5	9.2			29.2
60		.2	1.1	9.7	49.7	86.3	100.0	100.0	89.8	35.7	.6		39.0
55	.3	2.2	12.4	37.0	75.6	98.0			97.7	68.5	7.8	.5	49.6
50	9.6	15.7	40.4	72.4	93.5	100.0			100.0	91.2	33.2	8.9	63.3
45	32.9	50.0	70.4	93.0	99.4					98.0	69.2	34.8	78.6
40	67.7	83.3	91.6	98.8	100.0					100.0	91.3	66.6	91.4
35	92.4	97.0	99.2	100.0							99.2	91.7	98.2
30	99.2	99.3	100.0								100.0	98.6	99.8
25	100.0	99.7										99.7	99.9
20		92.8										100.0	100.0
15		100.0										100.0	100.0
MEAN	42.0	44.3	47.8	52.5	59.5	67.2	74.9	73.6	66.7	57.2	47.1	41.9	56.2
S.D.	5.266	5.352	5.651	5.248	6.552	6.630	4.672	4.908	5.828	5.570	5.309	5.541	12.866
TOTAL OBS.	648	592	619	597	620	600	620	620	600	650	630	650	7446

DATA PROCESSING BRANCH
USAF/ETAC/DL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14011 TARRAGON AIR SPAIN/MADRID

STATION NAME

YEARS

57-78

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57													
58	* 57*	69*	71	82	86	87	100	97	92	73*	64*	52	100
59	63	67	69	74	80	90	101	96	80	77	67	57	101
60	* 66	74	79*	77	92	97	98	95	93	66	65	55	98
61	54	69	76	74	89	94	96	97	93	78	67	61	97
62	61	64	62	68	83	92	96	99	94	82	60	60	99
63	55	51	65	72	82	95	95	97	87	82	64	54	97
64	59	64	69	77	89	94	96	95	94	83	67	59	96
65	57	60	76	77	90	99	98	103	90	76	66	60	103
66	61	61	68	75	87	95	104	101	99	74	60	58	104
67	59	64	73	77	83	96	106	96	91	80	70	61	106
68	61	59	74	77	83	101	101	97	90	87	71	59	101
69	61	56	63	75	83	95	101	99	84	74	65	59	101
70	57	53	66	81	88	94	98	94	95	85	76	58	98
71	57	58	62	71	75	91	100	98	93	82	66	62	100
72	55	57	68	73	85	93	96	93	82	71	64	60	96
73	57	62	64	75	86	91	98	100	93	75	69	59	100
74	60	60	73	71	91	91	100	100	87	78	66	64	100
75	60	64	66	78	75	91	102	104	82	86	71	57	104
76	69	66	78	77	86	95	98	105	87	80	62	62	105
77	57	64	75	82	84	91	100	96	93	84	69	62	100
78	59	66											
MEAN	59.1	63.0	69.8	75.6	85.1	93.6	99.2	98.1	90.0	79.1	65.6	59.6	100.4
S.D.	3.365	5.073	5.554	3.745	4.729	3.267	2.858	3.275	5.021	5.316	3.815	2.645	3.034
TOTAL OBS.	448	592	619	597	620	600	620	620	600	650	530	650	7446

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

DATA PROCESSING BRANCH
 USAF/ETAC/DL A
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14011 STATION TURRILL, AR, SPAIN/MALIND 57-78 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57	*	22*	28*	32	43	49	52	51	56	39	32*	27	*
58	*	30	31	41	39	47	57	56	52	43	35	30	*
59	*	25	26	34	39	55	54	53	49	37	30	26	*
60	*	25	31	34	44	44	53	54	49	39	32	24	*
61	*	27	27	28	34	39	50	52	47	38	22	11	*
62	*	23	28	29	37	41	48	48	48	39	33	22	*
63	*	22	25	33	41	45	54	50	47	29	28	21	*
64	*	22	23	31	41	42	51	47	39	43	23	25	*
65	*	28	27	36	35	44	50	49	43	31	25	20	*
66	*	21	25	28	35	42	48	48	43	31	30	17	*
67	*	15	24	28	33	37	50	51	41	38	26	23	*
68	*	19	21	20	39	39	50	49	40	37	24	15	*
69	*	25	24	21	28	44	51	53	42	28	30	17	*
70	*	12	24	17	35	39	51	44	39	37	21	21	*
71	*	17	26	26	30	37	48	46	39	33	26	24	*
72	*	19	19	19	35	46	51	53	37	35	23	24	*
73	*	26	26	24	33	42	50	44	37	24	21	24	*
74	*	21	31	26	32	39	53	46	39	30	24	21	*
75	*	24	24	24	37	42	55	55	44	33	24	30	*
76	*	24	32	21	33	39	48	47	46	41	24	30	*
77	*	24	19										*
78	*												*
MEAN	22.6	24.2	26.1	30.9	36.2	42.6	51.3	49.7	43.9	35.4	26.9	23.2	18.3
S.D.	4.705	6.588	5.254	4.938	4.246	4.406	2.408	3.746	5.254	5.246	4.323	5.324	5.811
TOTAL OBS.	548	592	619	597	620	600	620	620	600	650	630	650	7446

NOTES * (BASED ON LESS THAN FULL MONTHS) # (AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-88-5 (OIA)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TURKKEYIN AP SPAIN/MADRID STATION NAME
 YEARS 69-78
 MONTH JAN
 PAGE 1 0000-0200
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL Wet Bulb	TOTAL Dew Point				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22				23-24	25-26	27-28	29-30
56/55		.3															3	3	7
54/53		1.1	.4														14	14	11
52/51	.1	1.3	.9	.2													23	23	22
50/49		2.9	1.1	.1	.1												39	39	36
48/47	.2	3.2	.9	.1	.1												42	42	39
46/45		5.9	.8	.2													64	64	74
44/43	.3	7.6	1.2	.4													89	89	89
42/41	.4	7.2	1.0	.3													83	83	79
40/39	.3	4.4	1.8	.8													68	68	61
38/37	.1	3.4	2.2	.3													56	56	59
36/35	.5	7.6	3.5	.2													111	111	104
34/33	.6	7.5	1.9														94	94	104
32/31	1.2	8.7	1.4														105	105	114
30/29	1.2	5.9	1.0														75	75	61
28/27	.8	2.2	.4														31	31	26
26/25		2.0	.3														22	22	14
24/23	.1	.2	.2														5	5	4
22/21		.4															4	4	5
20/19		.1															1	1	2
18/17		.1															1	1	3
16/15																			
14/13																			
12/11																			
10/9																			
TOTAL	5.9	72.3	18.9	2.7	.2												930	930	930

Element (X)	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
					≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	6582611	83.7	8.946	930						930
Dry Bulb	1387337	38.0	7.084	930	24.4					93
Wet Bulb	1259139	36.1	6.959	930	33.0					93
Dew Point	1093908	33.4	7.877	930	47.6					93

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

STATION: 14011 TARRAJEN AB SPAIN/MADRID STATION NAME: TARRAJEN AB SPAIN/MADRID
 YEARS: 69-78
 PAGE 1 0300-0500
 MONTH: JAN HOURS (L. S. T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30				
56/ 55		.6															6	6	6	
54/ 53		.6	.4			.2											12	12	12	6
52/ 51		1.1	.1	.2													13	13	13	8
50/ 49	.1	2.5	.3														27	27	22	13
48/ 47		2.5	.8														30	30	22	18
46/ 45	.3	3.7	1.0	.2	.1												49	49	38	24
44/ 43	.4	7.1	1.4	.3													86	86	51	36
42/ 41	.5	7.8	1.7	.4													98	98	93	67
40/ 39	.0	5.9	1.6	.3													80	80	78	72
38/ 37	.5	3.8	1.5	.2													56	56	74	81
36/ 35	.1	6.6	1.9	.5													87	87	57	65
34/ 33	.2	5.7	1.7	.1													75	75	91	47
32/ 31	.3	6.1	1.0														69	69	81	60
30/ 29	1.2	8.8															93	93	123	87
28/ 27	2.5	5.7	.8														83	83	97	99
26/ 25	1.3	2.2	.2														34	34	50	82
24/ 23	.2	1.3	.4														18	18	12	94
22/ 21	.5	.3															8	8	17	34
20/ 19		.2															2	2	4	14
18/ 17																			2	12
16/ 15		.3	.1														4	4	1	3
14/ 13																			2	2
12/ 11																			1	4
10/ 9																				4
9/ 7																				3
0/ .1																				1
TOTAL		9.473	.014	.9	2.4	.3											930	930	930	930
Element (X)		Z X'	Z X	X	X	No. Obs.	Mean No. of Hours with Temperature										Total			
Rel. Hum.		6665000	78278	44.2	9.066	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total							
Dry Bulb		1302687	34097	36.7	7.523	930		31.1					93							
Wet Bulb		1185781	32511	35.0	7.282	930		39.0					93							
Dew Point		1024855	29991	32.2	6.215	930	.1	49.9					93							

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURRENTIN AF SPAIN/MADRID YEARS 69-78

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)										TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/55		.3	.2															5	5		
54/53		1.0	.4	.1	.2													16	16	5	
52/51	.1	1.2	.1	.1														12	13	18	6
50/49	.3	2.3	.4	.1														29	29	15	27
48/47	.1	3.1	.4	.1														35	35	24	16
46/45	.6	3.8	.3	.1														45	45	41	24
44/43	.4	5.8	.9	.2														68	68	47	38
42/41	.2	7.2	.3	.2														74	74	71	46
40/39	.8	6.4	1.6	.3														84	84	89	72
38/37	.6	5.2	1.8															71	71	69	81
36/35	.4	5.8	1.9	.2														78	78	62	61
34/33	.6	5.2	1.0	.2														65	65	94	56
32/31	.3	7.3	1.4															84	84	53	75
30/29	2.0	6.0	.6															81	81	102	64
28/27	1.8	5.6	.4															73	73	81	91
26/25	2.2	4.2	.2															61	61	88	63
24/23	.5	1.9	.1															24	24	36	92
22/21	.1	.9	.2															11	11	18	51
20/19		.4																4	5	7	28
18/17	.1		.1															2	2	3	17
16/15		.1																1	1		4
14/13		.2																2	2	3	7
12/11		.1																1	1	2	1
10/9																					5
8/7																					1
6/5																					1
4/3																					1
TOTAL	11.4	74.0	2.5	1.7	.2													928	929	928	928

Element (X)	ΣX	ΣX²	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 32 F	≥ 30 F	≥ 27 F	≥ 23 F	≥ 19 F	
Rel. Hum.	6766436		84.9	3.927	928						
Dry Bulb	1271146		36.1	8.047	928	34.5					93
Wet Bulb	1162115		34.5	7.763	928	39.4					93
Dew Point	1016476		31.9	8.661	928	50.2					93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURKEY AR SPAIN/MADRID 69-78 YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/57			.3	.1			.1											5	5	2	
56/55		.3	.5				.1											9	9	5	
54/53		1.4	.6	.5	.2	.5												30	30	20	9
52/51		.6	.7	.5	.1	.1												20	20	20	20
50/49	.2	2.4	1.5	.1	.4	.1												44	44	21	22
48/47	.4	2.6	2.7	1.4	.4													69	69	42	22
46/45	.2	5.7	3.0	1.3	.2													97	97	59	29
44/43	.1	5.7	2.8	2.3	.8	.1												109	109	79	44
42/41	.4	7.6	4.4	2.3	.3	.2												139	139	120	77
40/39	.4	4.3	5.0	1.1	.3	.1												104	104	106	86
38/37	.3	4.4	3.4	1.0	.2													87	87	113	102
36/35	.2	3.3	2.7	.4	.1													63	63	107	87
34/33	.3	5.2	1.5	.2														67	67	81	86
32/31	.1	3.1	1.0	.3														42	43	81	77
30/29	.1	1.8	.1	.1														20	20	50	91
28/27	.2	1.0		.1														12	12	24	82
26/25		.5	.2															7	7	7	43
24/23		.1	.1															2	2	7	30
22/21		.1																1	1	1	16
20/19		.1																1	1	2	8
18/17																				1	2
16/15																					3
14/13																					5
12/11																					5
10/9																					2
TOTAL	2.6	50.5	90.9	1.7	3.1	.9	.2											928	929	928	928

Element (X)	Σ X ²	Σ X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
					≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	5829921	72661	78.3	928						
Dry Bulb	1610465	38225	41.1	929	8.6					
Wet Bulb	1399460	35584	38.3	928	17.3					
Dew Point	1162511	32131	34.6	928	36.5					

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AP SPAIN/MADRID STATION NAME 69-74 YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
70/ 67												.1					1	1		
68/ 67								.1									2	2		
66/ 65								.1									2	2		
64/ 63								.2									5	5		
62/ 61								.1									8	8		
60/ 59								.3									34	34		4
58/ 57				.4				.6									61	61		14
56/ 55			.2	1.1	.6			1.7									93	93		38
54/ 53			1.0	2.6	2.3	2.2	.4										136	136		58
52/ 51			1.2	3.0	2.7	1.4											137	137		90
50/ 49			1.7	3.4	3.5	1.6	.1										115	115		41
48/ 47			2.3	3.8	3.3	.6	.1										91	91		66
46/ 45			2.6	3.9	2.3	.3	.1										53	53		64
44/ 43			2.2	1.9	3.0	.2	.1										40	40		88
42/ 41			1.0	1.3	1.6	.4											16	16		101
40/ 39			1.2	1.6	1.4	.1											18	18		112
38/ 37			.6	.6	.1												16	16		87
36/ 35	.2	1.0	.2	.2	.2												4	4		98
34/ 33		1.2	.2	.1	.2												7	7		85
32/ 31		.2	.1	.1													6	6		49
30/ 29																	2	2		21
28/ 27																				6
26/ 25																				4
24/ 23																				4
22/ 21																				5
20/ 19																				6
18/ 17																				7
16/ 15																				1
14/ 13																				2
12/ 11																				930
10/ 9																				930
TOTAL																				930
Element (X)	Z X ²	Z X	X	X	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	4217079	60945	65.5	5.5	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	2170442	44596	48.0	5.8	930	.2	.4	.2			93									
Wet Bulb	1707955	39565	42.5	5.1	930	2.5	29.0				93									
Dew Point	1262354	33670	36.2	7.2	930						93									

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TURREJEN AB SPAIN/MADRID
YEARS 69-70
PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb Dew Point
70/ 69											.1						1	1	
68/ 67											.1						1	1	
66/ 65										.1							3	3	
64/ 63										.4							5	5	
62/ 61			.2	.2	.1	.2	.2	.5	.1								11	11	
60/ 59			.3	.9	1.3	.6	.8	1.4	.1								29	29	
58/ 57			.1	1.2	1.3	.8	1.4	1.4									57	57	
56/ 55			.1	1.7	2.0	1.3	1.9	1.1									58	58	
54/ 53		.2	.8	1.2	2.4	1.4	2.4	2.2									98	98	
52/ 51		.1	2.2	4.0	2.9	2.8	1.1	1.1									66	66	
50/ 49		.1	1.3	3.1	2.9	3.1	1.0	1.0	.3	.1							122	122	
48/ 47			3.2	4.2	2.8	2.2	.2	.2									110	110	
46/ 45			2.7	2.3	3.4	2.7	.1	.1									119	119	
44/ 43			1.7	2.5	1.5	.4	.2	.2									105	105	
42/ 41			.6	2.2	.5	.4											59	59	
40/ 39			.2	.9	.2	.3	.1	.1									35	35	
38/ 37			.2	.2	.2	.2	.2	.1									16	16	
36/ 35			.1	1.0	.1	.2											18	18	
34/ 33			.1	.1	.1	.2											13	13	
32/ 31			.1	.1	.1	.1											2	2	
30/ 29			.1	.1	.1	.1											2	2	
28/ 27																			
26/ 25																			
24/ 23																			
22/ 21																			
20/ 19																			
18/ 17																			
16/ 15																			
14/ 13																			
10/ 9																			
TOTAL	1.0	16.8	5.3	1.4	17.6	9.7	4.3	3.0	.6	.1	.1	.1					930	930	930

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

Element (X)	Σ X'	Σ X	Σ X ²	No. Obs.	Mean No. of Hours with Temperature				
					≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F
Rel. Hum.	4154802	60278	64.8	16,401	930				Total
Dry Bulb	2223582	45096	48.5	5,299	930	.2			93
Wet Bulb	1732616	39846	42.8	5,230	930	2.4			93
Dew Point	1275457	33763	36.3	7,315	930	28.7			93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

14 11
STATION

TURRETOWN AFB SAIM/MAW/MD
STATION NAME

69-78

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55		.4															4	4	5	
54/ 53		.9		.1													16	16	5	
52/ 51		1.4	1.3	.2													29	29	12	8
50/ 49		2.7	1.5	.5													44	44	25	14
48/ 47	.1	3.1	1.6	.1	.1												47	47	48	25
46/ 45	.1	4.8	.9														54	54	48	36
44/ 43	.4	7.7	2.9	.5	.2												110	110	61	45
42/ 41	.3	7.2	4.2	.9	.1												124	124	112	79
40/ 39	.2	3.3	3.5	1.5													81	81	83	85
38/ 37	.2	4.7	4.4	.2													93	93	72	68
36/ 35	.2	6.2	4.4	.2													103	103	103	81
34/ 33	1.0	5.8	3.2														93	93	123	65
32/ 31	.9	4.6	1.0														60	60	102	90
30/ 29	.2	3.7	.5														41	41	85	92
28/ 27	.3	1.2	.3														19	19	29	98
26/ 25		.5	.1														6	6	11	73
24/ 23		.4															4	4	4	39
22/ 21		.2															2	2	2	15
20/ 19																			2	5
18/ 17																				5
16/ 15																				4
14/ 13																				3
TOTAL	4.159	731.5	4.3	.4													930	930	930	730

Element (X)	Σ X²			Σ X			Mean No. of Hours with Temperature			
	Σ X²	X̄	σ²	Σ X	X̄	σ²	≥ 67 F	≥ 73 F	≥ 80 F	Total
Rel. Hum.	6246970	81.4	2.442	75714	930	930				
Dry Bulb	1492044	39.5	6.469	36762	930	930	13.2			93
Wet Bulb	1331561	37.3	6.380	34687	930	930	23.8			93
Dew Point	1136899	34.2	7.338	31793	930	930	42.4			93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 TURRETOS AB, SPAIN/MADRID STATION NAME

YEARS 69-73

JAN MONTH

PAGE 1

ALL HOURS (L. S. T.)

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	D.B./W.B.	Total	
70/ 69													.0	.0	.0		3	3			
68/ 67														.0	.0		2	2			
66/ 65																	5	5			
64/ 63																	7	7			
62/ 61																	16	16			
60/ 59																	37	37			
58/ 57																	98	98			
56/ 55																	150	150			
54/ 53																	319	319			
52/ 51																	305	205			
50/ 49																	512	512			
48/ 47																	541	541			
46/ 45																	656	656			
44/ 43																	798	719			
42/ 41																	739	879			
40/ 39																	601	601			
38/ 37																	478	478			
36/ 35																	532	532			
34/ 33																	465	465			
32/ 31																	396	397			
30/ 29																	322	322			
28/ 27																	223	223			
26/ 25																	131	131			
24/ 23																	54	54			
22/ 21																	26	26			
20/ 19																	8	9			
18/ 17																	3	3			
16/ 15																	5	5			
14/ 13																	2	2			
12/ 11																	1	1			
10/ 9																					
8/ 7																					
6/ 5																					
4/ 3																					
Element (X)	ΣX^2				ΣX	\bar{X}	σ_x		No. Obs.	Mean No. of Hours with Temperature											
Rel. Hum.										$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\geq 80 F$	$\geq 93 F$	Total					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJA AB SPAIN/MADRID STATION NAME 9-76 YEARS FEB MONTH
PAGE 1 0000-0200 HOURS (L. S. T.)

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
60/ 59						.1												1	1
58/ 57						.2												2	2
56/ 55	.5	.6	.4	.1														7	3
54/ 53	.1	.9	.5	.4														11	9
52/ 51	.1	.9	.5	.4														16	3
50/ 49	.2	2.0	1.2	.7														33	16
48/ 47	.2	2.6	1.6	.6														46	29
46/ 45	1.1	4.5	1.9	.7														69	42
44/ 43	.7	3.8	1.9	1.5	.6													72	67
42/ 41	.2	4.6	1.9	.2	.2													61	59
40/ 39	.7	4.3	3.9	.7	.2													83	76
38/ 37	.7	6.0	3.8	.7	.4													98	83
36/ 35	.9	7.3	4.0	.4	.1													108	98
34/ 33	.2	4.7	4.4	.1	.1													81	77
32/ 31	.1	7.0	3.4															89	81
30/ 29	.3	2.1	1.4															37	93
28/ 27	.6	.7	.4	.1														17	89
26/ 25	.1	.9																9	45
24/ 23	.1	.6																6	17
22/ 21																			10
20/ 19																			5
18/ 17																			19
16/ 15																			8
14/ 13																			3
12/ 11																			2
10/ 9																			1
TOTAL	7.4	53.3	30.7	6.5	1.7	.4												846	846

Element (X)	Σ X ²	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5567067	67929	80.3	1.551	846							846
Dry Bulb	1310222	22828	38.8	6.561	846	15.7						84
Wet Bulb	1150989	30631	36.4	6.473	846	25.7						84
Dew Point	972920	27944	33.0	7.686	846	41.6						84

DATA PROCESSING TRAINING
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJOS DE SPAIN/MADRID YEARS 9-78 MONTH FEB
 PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TC	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22						23-24	25-26	27-28
56/ 55	.7			.1													7	7	1	3
54/ 53			.2	.2													4	4	5	7
52/ 51	.5	.5	.5														12	12	4	3
50/ 49	.1	2.0	.7		.2												26	26	17	3
48/ 47	.1	3.0	1.4														38	38	28	17
46/ 45	.8	3.8	1.5	.4	.2												57	57	38	37
44/ 43	1.2	3.1	1.1	.7	.5												57	57	48	36
42/ 41	.6	6.1	3.1	.6	.1												92	92	59	33
40/ 39	.2	4.6	3.4		.1												71	71	71	53
38/ 37	1.1	3.8	2.7	1.2													74	74	79	70
36/ 35	.5	5.3	2.7	.2	.1												75	75	66	71
34/ 33	1.3	5.1	2.7	.5	.1												87	87	99	63
32/ 31	.2	5.6	2.0		.2												70	70	72	65
30/ 29	.8	6.4	1.3														70	70	99	77
28/ 27	.8	4.0	.6														48	48	69	63
26/ 25	1.4	2.8															36	36	51	75
24/ 23	.2	2.0															19	19	26	71
22/ 21	.1	.2															3	3	12	45
20/ 19																			2	31
18/ 17																			19	19
16/ 15																				3
14/ 13																				1
8/ 7																				2
6/ 5																				1
TOTAL	10.559	22.607	3.09	1.04													846	846	846	846

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5798897	69443	82.10	8.810	846							
Dry Bulb	1208516	31296	37.1	7.165	846	24.4						84
Wet Bulb	1084360	29702	35.1	7.015	846	32.9						84
Dew Point	921132	27046	32.0	6.176	846	42.0						84

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAC

PSYCHROMETRIC SUMMARY

STATION 14011 TIRREJEN AB SPAIN/MADRID STATION NAME
 YEARS 1978
 MONTH FEB
 PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22					23-24	25-26	27-28	29-30
56/ 55		.2															4	4	2	3
54/ 53		.2	.1	.1													4	4	3	3
52/ 51		1.1	.3														13	13	23	13
50/ 49	.1	2.7	.5														29	29	21	24
48/ 47	.4	3.0	1.5		.1	.1											43	43	21	27
46/ 45	1.1	3.5	1.1	.2	.4												53	53	38	34
44/ 43	1.1	3.7	1.2	.7	.2												58	58	54	30
42/ 41	.5	4.3	1.1	.5													53	53	45	45
40/ 39	.5	6.9	3.4	.4													94	94	63	45
38/ 37	1.4	5.4	2.2	.2													79	79	98	78
36/ 35	.9	4.3	1.9	.1													61	61	76	71
34/ 33	1.5	4.6	2.6	.1													75	75	78	64
32/ 31	.6	7.8	2.5	.1	.2												95	95	63	74
30/ 29	.6	9.7	.3														70	70	97	68
28/ 27	1.4	4.1	.7														53	53	82	79
26/ 25	.5	3.4															33	33	44	66
24/ 23	.6	1.9															21	21	32	56
22/ 21	.2	.4															5	5	16	40
20/ 19	.2	.1															3	3	5	41
18/ 17																			19	8
16/ 15																			1	1
14/ 13																			1	1
12/ 11																				
10/ 9																				
TOTAL	11.6	64.5	20.2	2.5	1.1	.1											846	846	846	846

Element (X)	Σ X'	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	5945689	70405	83.2	10.350	846							
Dry Bulb	1184776	31078	36.7	7.307	846		27.8					84
Wet Bulb	1073695	29522	34.9	7.175	846		33.7					84
Dew Point	922853	27055	32.0	3.259	846		45.1					84

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID 69-78 YEARS

PAGE 1

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

MONTH FEB

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
60/ 59			.1	.1		.2			.1									4	4	
58/ 57		.4	.1	.4		.1		.1										8	8	
56/ 55		.5	.1	.4	.2	.1		.1										12	12	5
54/ 53	.1	.6	1.1	1.2	.2	.1		.1										29	29	7
52/ 51	.1	1.7	1.1	.9	.6	.1		.2										43	43	18
50/ 49		1.2	2.0	1.2	1.2	.2												56	56	20
48/ 47	.7	2.1	3.2	2.5	2.0	.4												92	92	22
46/ 45	.8	4.0	2.8	4.1	1.7	.1												115	115	70
44/ 43	.6	5.4	3.9	3.3	1.4	.1												108	108	82
42/ 41	.5	5.0	4.3	2.1	1.5	.2												115	115	63
40/ 39	1.3	3.9	3.7	1.8	.6													95	95	72
38/ 37	.2	3.1	2.8	1.4	.4													69	69	84
36/ 35	.1	1.5	2.0	1.4	.1													44	44	95
34/ 33		1.3	2.0	.1														29	29	74
32/ 31		.3	.7	.1														14	14	78
30/ 29		.6	.2															7	7	66
28/ 27	.1	.4	.1															5	5	51
26/ 25		.1																1	1	40
24/ 23																				
22/ 21																				
20/ 19																				
18/ 17																				
16/ 15																				
14/ 13																				
TOTAL	4.880	5.531	1.220	0.9	9.9	1.9	.5	.1	.1									846	846	846

Element (X)	Σ X'	Σ X	K	Σ _a	No. Obs.	Mean No. of Hours with Temperature				Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	
Rel. Hum.	4714020	61886	73.2	4.875	846					
Dry Bulb	1619787	36679	43.4	5.912	846	2.7				84
Wet Bulb	1356625	33531	39.6	5.718	846	10.0				84
Dew Point	1074183	29461	34.8	7.555	846	32.0				84

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID

9-78

FEB

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
68/ 67						.1	.1				.1	.1					3	3		
66/ 65						.1	.2										3	3		
64/ 63					.1	.1	.2	.4	.2	.1							10	10		
62/ 61			.1	.6	.1	.6	.1	.5	.1		.1						19	19		
60/ 59			.1	.1	.4	.6	1.4	.1	.2	.2							27	27		
58/ 57		.8	.7	.7	1.9	1.1	1.2	.1	.4	.1							53	53	3	
56/ 55		.1	.6	1.1	1.8	2.0	.9	.5	.1								60	60	15	11
54/ 53		.8	1.7	3.1	2.8	2.4	1.3	.6									107	107	9	
52/ 51		.8	1.8	2.4	3.8	3.3	1.5	.1									116	116	43	6
50/ 49	.1	1.9	4.4	3.7	7.0	2.8	.7	.2									175	175	56	21
48/ 47	.2	1.2	2.1	2.4	3.0	1.9	.4										94	94	117	34
46/ 45	.2	1.8	.8	1.5	1.9	1.5	.1										67	67	110	45
44/ 43	.4	2.0	.9	.7	2.2	.7											59	59	151	71
42/ 41	.1	1.1	.1	.2	1.2	.5											26	26	133	64
40/ 39		.4	.4	.6	.6												20	20	98	64
38/ 37			.1	.1	.1												2	2	34	85
36/ 35	.2	.1	.1	.1	.1												5	5	42	83
34/ 33																			29	52
32/ 31																			6	103
30/ 29																			48	48
28/ 27																			43	43
26/ 25																			30	30
24/ 23																			40	40
22/ 21																			17	17
20/ 19																			16	16
18/ 17																			8	8
16/ 15																			4	4
14/ 13																			1	1
TOTAL	1.2	10.9	13.2	17.5	27.0	17.7	6.2	2.5	1.1	.5	.2	.1					846	846	846	846

Element (X)	ΣX'	ΣX	ΣX ²	No. Obs.	Mean No. of Hours with Temperature					Total	
					≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	3179459	49853	58916914	846							
Dry Bulb	2186827	42759	5065403	846				.3			84
Wet Bulb	1631702	36922	4364903	846		.6					84
Dew Point	1130252	30160	3571966	846		30.8					84

PSYCHROMETRIC SUMMARY

DATA PROCESSING TRAINING
USAF ETAC
AIR WEATHER SERVICE/MAC

STATION 14011 TURRETON AB SPAIN/MADRID YEARS 69-70 MONTH FEB
 PAGE 1 1500-1700
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL				Dew Point						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	TOTAL	
68/ 67							.1	.1			.2		.1				5	5					
66/ 65							.4	.2					.1				7	7					
64/ 63							.9	.4	.4		.2	.1					19	19					
62/ 61							.7	1.2	.7	.2	.1						29	29					
60/ 59	.1	.5		.1	.7	1.5	1.4	1.1	.5	.6	.2						57	57					
58/ 57	.8	.5		1.4	1.3	1.4	1.3	.6	.2								64	64	1				
56/ 55	.4	.6		2.2	2.2	2.2	2.2	1.2	.2								102	102	14	2			
54/ 53	.2	1.3		1.9	2.2	4.1	1.2	.5									97	97	18	12			
52/ 51	.5	1.7		1.4	4.0	2.8	.9	.1									97	97	40	6			
50/ 49	.1	.8		1.5	2.8	3.7	.5	.1									114	114	74	7			
48/ 47	.1	1.9		2.5	2.2	2.5	2.0	.7	.1								102	102	109	28			
46/ 45	.4	.9		1.7	.9	2.0	1.1	.4									62	62	126	49			
44/ 43	.1	1.2		.6	1.3	.7	1.3	.4									47	47	162	57			
42/ 41	.1	1.1		.2	.5	1.1	.2										26	26	121	69			
40/ 39					.1	.9											9	9	77	70			
38/ 37					.1	.4											5	5	41	99			
36/ 35					.4												3	3	30	71			
34/ 33																	1	1	23	59			
32/ 31																			10	78			
30/ 29																				58			
28/ 27																				42			
26/ 25																				39			
24/ 23																				43			
22/ 21																				22			
20/ 19																				13			
18/ 17																				11			
16/ 15																				8			
14/ 13																				2			
12/ 11																				1			
TOTAL																				846	846	846	846

Element (X)	Σ X ²	Σ X	X̄	s ²	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 80 F	≥ 73 F	≥ 67 F	≥ 32 F	≥ 0 F	
Rel. Hum.	2350610	46876	55.4	17.3	846						
Dry Bulb	230788	43846	51.6	5.7	846	.5					84
Wet Bulb	1657838	37246	44.0	4.8	846		1.0				84
Dew Point	1057552	29682	35.1	3.1	846			31.5			84

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

14011 STATION
TURREJON AB SPAIN/ MADRID STATION NAME
1978 YEARS
PAGE 1
1800-2000 HOURS (L. S. T.)
FEB MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63								.1										1	1		
62/ 61						.1		.1										1	1		
60/ 59		.5				.1		.1										2	15	1	
58/ 57						.9		.1	.1									2	15	6	
56/ 55		1.3	.1	.1	.1	.7	.1	.1	.1									26	26	11	10
54/ 53		.6	1.2	1.8	.7	1.1	.2	.4										50	50	12	8
52/ 51		.9	2.7	2.0	1.4	.1	.5											65	65	38	9
50/ 49		1.3	3.4	3.5	.9	.6	.2											100	100	62	26
48/ 47	.5	2.7	5.0	2.3	.9	1.1	.1											111	111	95	41
46/ 45	.4	4.1	4.6	3.4	1.4	.5												123	123	124	66
44/ 43	.4	3.2	4.4	3.9	.6	.4												110	110	124	53
42/ 41	.1	2.2	5.0	2.0	.7	.1												85	85	100	75
40/ 39		.7	3.4	2.0	.4	.1												56	56	96	64
38/ 37		1.3	2.1	.6	.7													40	40	74	104
36/ 35		.1	2.2	.6	.1													26	26	43	78
34/ 33	.1	.4	1.7	.6														23	23	27	87
32/ 31		.2	.8															9	9	22	49
30/ 29		.2																2	2	11	50
28/ 27	.1																	1	1	41	41
26/ 25																					25
24/ 23																					17
22/ 21																					9
20/ 19																					7
18/ 17																					5
16/ 15																					1
14/ 13																					846
TOTAL	1.4	19.9	26.6	23.4	11.7	4.6	1.5	.5	.1									846	846	846	846

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

Element (X)	ΣX'	ΣX	X	σ _a	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 80 F	≥ 73 F	≥ 67 F	≥ 32 F	≥ 0 F	
Rel. Hum.	4220443	58601	69.3	14.194	846						846
Dry Bulb	1775927	38451	45.5	5.789	846				1.2		84
Wet Bulb	1447950	34686	41.0	5.528	846				6.0		84
Dew Point	1100773	29979	35.4	7.402	846				28.9		84

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

STATION 14011 TURREJON AB SPAIN/MADRID STATION NAME YEARS 69-76 MONTH FEB

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
64/ 63																		2	2		
62/ 61							.1											1	1		
58/ 57		.4			.1			.1	.1									6	6		
56/ 55		.5		.2	.1													7	7		4
54/ 53		.7	.1	.6	.2													14	14		6
52/ 51	.1	1.4	.9	.2	.2	.1												27	27		6
50/ 49	.1	1.3	1.9	.7	.5	.2												38	38		23
48/ 47	.1	2.7	2.6	1.2	.2	.1												60	60		29
46/ 45	.5	4.1	3.2	3.0	.7	.1												98	98		56
44/ 43	.8	4.3	4.0	2.0	.6	.1												100	100		75
42/ 41	.5	5.8	4.4	2.8	1.3	.1												125	125		102
40/ 39	.1	3.2	5.3	1.1	.2	.1												85	85		95
38/ 37	.5	4.5	3.4	.7	.1													78	78		96
36/ 35		3.7	4.7	.6														76	76		106
34/ 33	.2	3.1	3.0	.4														56	56		88
32/ 31	.1	1.9	2.2	.7														42	42		66
30/ 29		1.1	.5	.1														14	14		51
28/ 27	.5	.7	.0															15	15		26
26/ 25																		2	2		13
24/ 23	.1	.1																			3
22/ 21																					1
20/ 19																					
18/ 17																					
16/ 15																					
14/ 13																					
TOTAL	3.7	39.4	30.9	14.3	4.4	.7	.1	.4	.1	.1								846	846		846

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	5039968	64348	76.1	13.125	846						846
Dry Bulb	1468086	34842	41.2	6.262	846		7.2				84
Wet Bulb	1256192	32200	38.1	6.019	846		15.9				84
Dew Point	101.78	28642	33.9	7.475	846		36.3				84

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID
STATION NAME

YEARS 69-78

MONTH FEB

PAGE 1

HOURS (L. S. T.) 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
68/ 67						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8	8	
66/ 65						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10	10	
64/ 63				.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	32	32	32	
62/ 61			.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	50	50	50	
60/ 59		.0	.1	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	91	91	91	
58/ 57		.4	.1	.3	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	148	148	148	5	
56/ 55	.1	.6	.2	.5	.6	.7	.4	.2	.0							225	225	225	50	
54/ 53	.4	.4	.6	1.1	.8	1.0	.3	.2								316	316	316	68	
52/ 51	.1	1.0	1.2	.9	1.3	.8	.4	.0								389	389	389	129	
50/ 49	.1	1.6	2.0	1.6	1.9	.8	.2	.0								571	571	571	267	
48/ 47	.3	2.4	2.5	1.5	1.1	.7	.1	.0								586	586	586	444	
46/ 45	.7	3.4	2.2	1.8	1.0	.4	.1									644	644	644	575	
44/ 43	.7	3.1	2.3	1.8	.8	.3	.0									611	611	611	763	
42/ 41	.3	3.3	2.5	1.1	.8	.1										513	513	513	494	
40/ 39	.4	3.0	2.9	.9	.4	.0										445	445	445	627	
38/ 37	.5	3.0	2.2	.7	.2											398	398	398	568	
36/ 35	.4	2.8	2.2	.4	.0											352	352	352	516	
34/ 33	.5	2.4	2.0	.2	.0											319	319	319	386	
32/ 31	.1	2.9	1.5	.1	.1											200	200	200	502	
30/ 29	.3	2.1	.5	.0												139	139	139	246	
28/ 27	.5	1.2	.3	.0												79	79	79	128	
26/ 25	.3	.9														48	48	48	72	
24/ 23	.1	.6														8	8	8	34	
22/ 21	.0	.1														3	3	3	7	
20/ 19	.0	.0																		84
18/ 17																				35
16/ 15																				13
14/ 13																				3
12/ 11																				2
10/ 9																				2
8/ 7																				1
6/ 5																				1
TOTAL	5.2	35.8	5.6	13.1	9.8	5.9	2.7	1.1	.4	.2	.1	.0	.0	.0	.0	.0	6768	6768	6768	6768

Element (X)	Σ X'	Σ X	X	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.	37320153	489341	72.3	16.970	6768						
Dry Bulb	13056931	291389	43.1	6.320	6768	79.0	.8				672
Wet Bulb	10669372	264640	39.1	6.893	6768	125.7					672
Dew Point	6245581	329969	34.0	7.973	6768	291.1					672

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJA AP SPAIN/MADRID YEARS MAR MONTH
PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dry Bulb
56/ 55			.1	.1	.1	.1											3	3		
54/ 53	.2	.2	.2	.4	.4	.4											7	7		1
52/ 51		.2	1.6	.4	.1	.1											23	23		4
50/ 49		2.6	4.4	.5	.4	.3											77	77		13
48/ 47	.1	3.4	4.6	1.2	.6												93	93		44
46/ 45	.2	4.3	2.6	1.4	.6												85	85		80
44/ 43	.3	6.0	2.0	2.2	.3												101	101		92
42/ 41	.2	5.9	2.7	1.4	.1												96	96		109
40/ 39	.3	3.3	3.3	2.5	.1												89	89		95
38/ 37	.4	3.8	3.9	1.8	.2												94	94		91
36/ 35	.1	3.4	4.5	.9	.1												84	84		88
34/ 33	.1	1.3	4.8	.3	.1												62	62		101
32/ 31	.4	2.6	3.9	.3		.1											68	68		76
30/ 29	.3	1.6	.5	.3													28	28		68
28/ 27		.5	.6	.1	.1												13	13		37
26/ 25		.5		.1	.1												6	6		13
24/ 23		.1															1	1		15
22/ 21																				1
20/ 19																				2
18/ 17																				2
16/ 15																				4
14/ 13																				7
12/ 11																				2
10/ 9																				1
8/ 7																				1
0/ -1																				3
TOTAL	2.040	.189	.913	.5	3.0	.6	.2										930	930	930	930

Element (X)	Z X'	Z X	X	°K	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	5671116	70416	75.7	2.253	930						
Dry Bulb	1573369	37805	40.7	6.275	930						
Wet Bulb	1351677	34981	37.6	6.217	930						
Dew Point	1088530	30960	33.3	7.892	930						

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURKEY AR SPAIN/MADRID
 YEARS 68-77
 PAGE 1 0300-0500
 MONTH MAR
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
56/55						.1											1	1		
54/53						.1											2	2		
52/51		.2	.6		.2	.1											8	8	1	
50/49		2.2	1.5	.1	.2	.1											38	36	8	
48/47		2.0	2.2	.3	.1												50	50	12	
46/45	.3	6.2	1.2	.5	.1												78	78	28	
44/43	.2	5.5	1.6	.8	.3												78	78	45	
42/41	.2	6.2	3.3	1.2	.4												106	106	88	
40/39	.3	5.9	4.1	1.3													108	108	70	
38/37	.4	4.9	2.4	2.3													93	93	69	
36/35	.4	4.9	3.0	.3	.1												82	82	83	
34/33	.1	4.2	3.1	.2	.2												73	73	89	
32/31	.1	4.9	3.1	.1													77	77	66	
30/29	.2	4.1	1.0														49	49	66	
28/27	.6	3.0	.6	.2													43	43	75	
26/25	.3	1.5	.1	.3													21	21	71	
24/23	.1	1.4	.3	.1													18	18	61	
22/21	.1	.3	.1														5	5	111	
20/19																		16	16	35
18/17																		5	5	22
16/15																		2	2	10
14/13																				4
12/11																				6
10/9																				2
8/7																				2
0/-1																				3
TOTAL	3.558	428.5	7.7	1.5	.2	.1											930	930	930	930

Element (X)	Σx	Σx²	K	Σx	Σx²	No. Obs.	Mean No. of Hours with Temperature					
							≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Rel. Hum.	5708	314	78.9	11.274	930							
Dry Bulb	1391	490	38.1	6.738	930							
Wet Bulb	1221	762	35.6	6.630	930							
Dew Point	1006	808	31.9	4.044	930							

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TURREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS MAR MONTH
PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
56/ 55				.1													1	1		
52/ 51		.4	1.0	.1	.2												16	16		
50/ 49		3.3	1.9	.4	.4												57	57	12	5
48/ 47	.1	3.7	3.0	.3	.3	.1											70	70	43	16
46/ 45	.3	4.2	1.5	1.0	.2												67	67	55	47
44/ 43	.6	5.4	2.0	.6	.3												84	84	82	46
42/ 41	.4	4.8	2.3	.3	.1												74	74	80	44
40/ 39	.1	4.1	3.8	2.2	.2												96	96	74	64
38/ 37	.3	5.8	3.1	1.7	.1												103	103	88	86
36/ 35	.5	4.9	4.1	.3													92	92	103	73
34/ 33	.5	3.1	3.5	.2													69	69	99	92
32/ 31	.5	4.8	2.9	.4													81	81	85	82
30/ 29	.2	3.3	1.0														42	42	81	62
28/ 27	.8	2.0	.6	.1													33	33	53	78
26/ 25	.4	1.7	.3														23	23	38	76
24/ 23	.2	1.0	.1	.1													13	13	18	76
22/ 21	.1	.4	.1														6	6	9	25
20/ 19		.2															2	2	7	25
18/ 17			.1														1	1	2	13
16/ 15																				4
14/ 13																			1	5
12/ 11																				5
10/ 9																				2
8/ 7																				1
4/ 3																				1
2/ 1																				1
0/ .1																				1
TOTAL	5.353	331.4	8.0	1.9	.1												930	930	930	930

Element (X)	Σ X ²	Σ X	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5961846	73688	79.2	1.517	930						
Dry Bulb	1422104	35792	38.5	6.930	930	20.1					93
Wet Bulb	1250030	33512	36.0	6.759	930	29.4					93
Dew Point	1036250	30122	32.4	3.078	930	.1	45.7				93

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/NAIC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH MAR
 PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
66/ 65									.2									2	2									
64/ 63									.4	.1								3	3									
62/ 61				.3	.3	.1	.1	.1	.4	.1								14	14									
60/ 59				.4	.6	.1	.1	.1	.1	.1								15	15									
58/ 57			.1	.9	1.0	.3	.1	.1	.3	.1								32	32									
56/ 55			1.4	1.3	1.8	.8	1.0	.1	.1	.1								59	59		3							
54/ 53	.2		1.5	2.6	1.8	1.1	.3	.1	.1	.1								71	71		18							
52/ 51	.4		2.4	1.0	2.5	.9	.3	.2	.1	.1								71	71		31							
50/ 49	1.2		4.5	2.2	3.1	1.6	.5											122	122		50							
48/ 47	.1	1.5	3.4	2.4	2.3	1.3	.1	.1										104	104		102							
46/ 45	2.4	2.8	2.8	4.1	3.3	1.2	.3	.1	.1									132	132		43							
44/ 43	.1	2.5	2.0	2.6	2.5	.1												101	101		57							
42/ 41	.1	2.2	3.2	2.2	1.9	.6	.4	.1										100	100		95							
40/ 39	.1	.5	1.8	1.3	.5	.2												42	42		95							
38/ 37	.1	.3	1.2	1.1	.1	.1												27	27		68							
36/ 35	.1	.4	.9	.2	.1													16	16		78							
34/ 33	.2	.2	.8	.1	.2													14	14		90							
32/ 31			.1	.1	.1													3	3		61							
30/ 29	.2																	2	2		70							
28/ 27																					15							
26/ 25																					5							
24/ 23																					3							
22/ 21																					1							
20/ 19																					3							
18/ 17																					1							
16/ 15																					7							
14/ 13																					2							
12/ 11																					3							
10/ 9																					1							
8/ 7																					1							
4/ 3																					3							
2/ 1																					1							
2/ -3																					1							
Element (X)	Σ X ²	Σ X	X̄	No. Obs.	Mean No. of Hours with Temperature																Σ X ²	Σ X	Total					
Rel. Hum.					± 0 F	± 32 F	± 67 F	± 80 F	± 93 F														Total					
Dry Bulb																												
Wet Bulb																												
Dew Point																												

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID YEARS 68-77

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL		Dew Point				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	D.B./W.B.	Dry Bulb	
TOTAL	0	9	12	26	122	623	1	9	5	3	7	1	2	1	0			930	930	930	
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					
Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Σ 80 F	Σ 93 F	Total							
Rel. Hum.	3958704	58898	63.315	687	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	93								
Dry Bulb	2123624	44072	47.4	6.145	930		95						93								
Wet Bulb	1647044	38784	41.7	5.647	930		408						93								
Dew Point	1186622	32308	34.7	8.316	930	0.1	340.4						93								

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION

TURREJON AB SPAIN/MADRID
STATION NAME

68-77

YEARS

MAR
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
80/ 79									.2		.1	.2	.1					1	1						
74/ 73																		5	5						
72/ 71								.1	.2		.1	.1						3	3						
70/ 69								.1	.2		.1	.1						10	10						
68/ 67					.2	.4	.1	.1	.3	.2	.2	.2						15	15						
66/ 65					.1	.3	.2	.5	.2	.6								24	24						
64/ 63				.4	.1	1.3	1.0	.5	.3	.1								35	35						
62/ 61					1.6	1.6	1.0	1.6	.9	.4								66	66						
60/ 59		.1	.2	.1	1.3	1.7	1.2	.8	.2	.1	.1							53	53		4				
58/ 57			.3	.1	2.5	2.3	1.7	1.3	.1	.3								92	92		14				
56/ 55		.3	.6	.9	3.4	2.9	1.2	.4	.2									104	104		14				
54/ 53		.3	.6	.9	2.7	2.6	3.0	1.0	.3									106	106		51				
52/ 51		.3	.6	.9	2.2	2.7	3.1	1.6	.3	.1								101	101		69				
50/ 49		.4	1	.5	3.4	4.2	2.4	.4	.2	.2								144	144		93				
48/ 47		.4	2	.5	1.7	2.3	.5	.2	.2									84	84		42				
46/ 45		.4	.5	1.0	.8	1.4	.2	.2	.1									43	43		47				
44/ 43		.3	.3	.2	.5	.1	.4	.1	.1									20	20		57				
42/ 41		.2	.5	.2	.1													10	10		69				
40/ 39		.1	.2	.1														4	4		90				
38/ 37		.1	.3	.1														4	4		70				
36/ 35		.3	.1															4	4		65				
34/ 33		.3	.1															4	4		62				
32/ 31	.1	.1																2	2		109				
30/ 29																					3				
28/ 27																					66				
26/ 25																					42				
24/ 23																					49				
22/ 21																					13				
20/ 19																					12				
18/ 17																					6				
16/ 15																					3				
14/ 13																					7				
12/ 11																					2				
10/ 9																					3				
Element (X)	Σ X ²	Σ X														X̄	σ _x	Mean No. of Hours with Temperature				Total			
Rel. Hum.																		≤ 0 F	≤ 32 F	≤ 67 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH MAR
 PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
8/7																				1
0/.1																				5
.2/.3																				1
TOTAL	.1	3.2	8.1	2.2	1.2	2.1	2.2	1.6	3.4	2.5	.9	.4	.1				9.3		9.3	9.3

Element (X)	Σ X²	Σ X	X̄	σ²	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	2615130	47108	50.7	15.698	930						
Dry Bulb	2750854	50214	54.0	6.531	930			.6			93
Wet Bulb	1905481	41795	44.9	5.409	930			.9			93
Dew Point	1199739	32395	34.8	8.761	930	.6	38.6				93

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AR SPAIN/MADRID STATION NAME 68-77 YEARS

MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
10/9																						2
8/7																						3
6/5																						1
4/3																						1
2/1																						4
TOTAL	.1	3.4	7.4	8.9	15.3	19.5	18.0	14.8	6.9	2.4	2.0	.5	.8				930	930			930	

Element (X)	Σ X		X	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
	Σ X'	Σ X				≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2363991	44265	47.6	6.636	930							
Dry Bulb	2869401	51235	55.1	7.097	930				5.3	1.4		93
Wet Bulb	1915260	41918	45.1	5.279	930				.8			93
Dew Point	1142002	31600	34.0	8.573	930				40.3			93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AB SPAIN/MADRID STATION NAME
 YEARS 68-77
 MONTH MAR
 PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28				
74/ 73																	2	2	
70/ 69																	3	3	
68/ 67																	6	6	
66/ 65																	8	8	
64/ 63																	12	12	
62/ 61																	26	26	
60/ 59																	20	20	1
58/ 57																	52	52	1
56/ 55																	68	68	5
54/ 53																	88	88	34
52/ 51																	64	64	40
50/ 49																	156	157	66
48/ 47																	113	113	38
46/ 45																	103	103	49
44/ 43																	71	71	64
42/ 41																	53	53	75
40/ 39																	40	40	95
38/ 37																	24	24	79
36/ 35																	11	11	67
34/ 33																	9	9	78
32/ 31																	29	29	107
30/ 29																	3	3	54
28/ 27																	3	3	51
26/ 25																			54
24/ 23																			39
22/ 21																			5
20/ 19																			13
18/ 17																			10
16/ 15																			3
12/ 11																			2
10/ 9																			1
8/ 7																			6
6/ 5																			1

Element (X) Z X X No. Obs. Mean No. of Hours with Temperature

Rel. Hum.				≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	Total
Dry Bulb									
Wet Bulb									
Dew Point									

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME

58-77 YEARS

MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22				
TOTAL	0	410	021	062	014	044	601	206	104	06	03	01	929	930	929	929
Element (X)	Z X'	Z X	X	X'	No. Obs.	Mean No. of Hours with Temperature						≥ 80 F	≥ 93 F	Total		
Rel. Hum.	3670920	56282	60.7	16.382	929	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	929	93	93				
Dry Bulb	2308577	45913	49.4	6.716	930	1.1	0.2									
Wet Bulb	1738477	39849	42.9	5.607	929	3.5										
Dew Point	1221712	32838	35.3	8.105	929	34.6										

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS PAGE 1 2100-2300 MONTH HOURS (L. S. T.) MAR

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	D.B./W.B.
62/ 61				.1	.1				.1	.1								2	2
58/ 57																		4	4
56/ 55			.3	.6	.3	.2	.4	.2									18	18	1
54/ 53	.4	1.1	2.0	.4	.6	.3											46	46	
52/ 51	.2	3.2	1.1	.6	.5												53	53	11
50/ 49	.1	1.8	3.8	2.0	1.3	.2											86	86	23
48/ 47	.1	2.4	4.7	1.9	1.7	.1	.1										102	102	86
46/ 45	.1	4.0	3.3	1.5	1.1	.1											94	94	81
44/ 43	.3	4.8	3.2	2.6	1.4	.1											116	116	15
42/ 41	.3	4.2	5.8	3.3	1.0	.3											139	139	54
40/ 39	.2	1.2	3.1	3.4	1.0	.1											84	84	104
38/ 37		1.8	3.6	1.6	.2	.1											68	68	88
36/ 35	.1	1.3	3.3	1.4	.1												58	58	90
34/ 33	.2	.5	1.7	.8	.3	.1											34	34	84
32/ 31	.1	.5	1.1	.1	.1	.1											18	18	77
30/ 29	.2	.2	.2	.1													5	5	66
28/ 27		.1	.1														2	2	70
26/ 25																			9
24/ 23																			2
22/ 21																			3
20/ 19																			1
18/ 17																			1
16/ 15																			1
14/ 13																			1
12/ 11																			2
10/ 9																			3
8/ 7																			1
6/ 5																			1
4/ 3																			1
2/ 1																			1
TOTAL	1.623	6.638	622.6	9.7	2.7	.8	.2	.1	.1								929	929	929
Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	4789185	65465	70.5	3.771	929	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	1806906	40594	49.7	5.972	929		2.5					93							
Wet Bulb	1487545	36783	39.6	5.794	929		11.8					93							
Dew Point	1145847	31799	34.2	7.864	929		37.6					93							

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
STATION

TORREJON AR SPAIN/MADRID
STATION NAME

68-77

YEARS

PAGE 1

MAR
MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL Wet Bulbs	TOTAL Dew Point			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22			23-24	25-26	27-28
80/77													.0				2
78/77													.0				2
76/75												.0	.0				4
74/73												.0	.0				14
72/71												.0	.0				15
70/69												.0	.0				27
68/67												.0	.0				34
66/65												.0	.0				67
64/63												.0	.0				90
62/61												.0	.0				173
60/59												.0	.0				183
58/57												.0	.0				273
56/55												.0	.0				359
54/53												.0	.0				430
52/51												.0	.0				405
50/49												.0	.0				801
48/47												.0	.0				671
46/45												.0	.0				641
44/43												.0	.0				594
42/41												.0	.0				591
40/39												.0	.0				469
38/37												.0	.0				416
36/35												.0	.0				350
34/33												.0	.0				265
32/31												.0	.0				249
30/29												.0	.0				126
28/27												.0	.0				91
26/25												.0	.0				50
24/23												.0	.0				32
22/21												.0	.0				11
20/19												.0	.0				2
18/17												.0	.0				1
16/15												.0	.0				1
14/13												.0	.0				1

Mean No. of Hours with Temperature

Element (X)	ΣX ²	ΣX	X̄	s _a	No. Obs.	Σ 73 F	Σ 80 F	Σ 93 F	Total
Rel. Hum.									
Dry Bulb									
Wet Bulb									
Dew Point									

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA)

USAF/ETAC

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID YEARS 69-77 MONTH MAR PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/11																					21
10/9																					17
8/7																					16
6/5																					3
4/3																					4
2/1																					9
0/1																					12
0/0																					2
TOTAL	1.825	5.214	7.120	8.08	5.7	3.4	1.6	0.7	0.4	0.1	0.1	0.1					7438	7439	7438	7438	

Element (X)	Σ X'		Σ X		X	°K	No. Obs.	Mean No. of Hours with Temperature					Total	
	Rel. Hum.	Dry Bulb	Wet Bulb	Dew Point				≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	34739	204	489604	65.8	8.376	7438								
Dry Bulb	16246	325	341049	45.8	9.060	7439					9.8	2.2		744
Wet Bulb	12517	276	300762	40.4	6.919	7438								744
Dew Point	9027	510	251694	32.8	8.285	7438								744

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77
YEARS

APR
MONTH

PAGE 1

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

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.
62/ 61											91						3	3	
60/ 59																	3	3	
58/ 57	.5		.7	.4	.9	.4											23	23	.7
56/ 55			1.0	.7	1.0	.4											25	25	
54/ 53	1.1	1.7	2.0	1.5													51	51	14
52/ 51	2.1	3.2	1.6	.4	.1												60	60	27
50/ 49	2.9	7.3	2.8	1.8	.9												129	129	58
48/ 47	2.2	5.5	2.0	1.5	.1												92	92	80
46/ 45	.1	3.4	4.0	1.3	2.2												91	91	43
44/ 43	.2	3.9	3.5	2.7	1.3												96	96	107
42/ 41	.1	4.9	3.5	2.0	.4												89	89	88
40/ 39	1.7	3.9	1.7	.6													65	65	99
38/ 37	1.6	1.5	.7														31	31	91
36/ 35	.7	2.1	.4														26	26	61
34/ 33	.6	1.2	.2														17	17	39
32/ 31	.4	.7															9	9	27
30/ 29	.1	.2	.1														4	4	13
28/ 27	.5																4	4	6
26/ 25	.1																1	1	5
24/ 23																			1
22/ 21																			
20/ 19																			
TOTAL	.626	.940	.018	.711	.8	.1											819	819	819

Element (X)	Σ X ²	Σ X	X̄	Σ X̄	No. Obs.	Mean No. of Hours with Temperature						Total
						≥ 80 F	≥ 73 F	≥ 67 F	≥ 60 F	≥ 50 F	≥ 32 F	
Rel. Hum.	4459347	59621	72.8	12,066	819							
Dry Bulb	1739531	37407	45.7	6,156	819	2.0						90
Wet Bulb	1457088	34208	41.8	5,881	819	3.7						90
Dew Point	1171923	30405	37.1	7,263	819	26.2						90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

6877
YEARS

APR
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL Dry 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
60/59				.1	.2	.1	.1										1	4	2	2
58/57				.2	.4	.2	.1										20	24	4	2
56/55	.2	.5	.8	.5	.2	.1											50	58	19	21
54/53		.6	1.4	1.1	.2	.1											58	76	37	33
52/51		2.0	2.9	1.8	.4	.1											76	83	62	39
50/49		2.6	3.2	2.5	.8	.7											83	86	66	44
48/47		5.8	5.5	4.8	3.8	2.7											86	91	96	98
46/45		6.1	6.2	5.8	5.2	4.7											91	97	108	88
44/43	.1	4.6	5.2	4.8	4.1	3.6											64	64	75	75
42/41	.1	3.1	3.6	3.8	3.2	2.9											49	49	86	98
40/39	.1	2.6	2.9	3.2	2.8	2.5											46	46	71	59
38/37	.1	2.5	2.8	3.1	2.8	2.6											15	15	45	41
36/35	.2	1.2	1.6	1.7	1.6	1.4											17	17	36	65
34/33		1.7	1.4	1.4	1.4	1.4											7	7	20	61
32/31		.5	.1	.1	.1	.1											7	7	9	47
30/29	.2	.7															2	2	4	36
28/27	.1	.2															2	2	1	14
26/25		.2																		1
24/23		.2																		1
22/21		.2																		1
20/19																				1
18/17																				1
TOTAL	1.343	2.240	9.910	4.305	5.1												833	833	833	833

Element (X)	Σ X ²	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature			
						≥ 32 F	≥ 33 F	≥ 34 F	Total
Rel. Hum.	5104753	64605	77.610	640	833				
Dry Bulb	1540032	35396	42.5	6.576	833	5.4			90
Wet Bulb	1333505	32913	39.5	6.304	833	12.5			90
Dew Point	1110200	29794	35.8	7.318	833	29.4			90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77

YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/63				.1	.1												1	1			
62/61			.2	.2	.1												6	6			
60/59		.1	.3	.6	.2												6	6			
58/57		.1	.6	.6	.1												13	13		5	
56/55	.1	.9	2.1	.7	.6												42	42		7	
54/53		1.3	1.6	1.7	.6												50	50		25	
52/51		1.9	2.3	1.2	.7												56	56		37	
50/49		3.3	6.2	1.9	1.4												121	121		52	
48/47		3.6	6.2	1.8	1.7												122	122		68	
46/45	.1	5.2	2.8	1.3	1.4												98	98		113	
44/43	.1	3.4	2.7	1.1	1.1												76	76		125	
42/41	.2	3.6	4.0	1.6	.6												89	89		87	
40/39	.1	2.9	3.3	1.8	.2												75	75		93	
38/37		2.1	2.2	.7													45	45		91	
36/35	.2	1.4	2.1	.4													38	38		66	
34/33		1.4	1.9	.2													32	32		53	
32/31		.7	.8														13	13		41	
30/29	.1	.2	.2														5	5		17	
28/27		.9															8	8		9	
26/25		.2															2	2		8	
24/23																					
22/21		.1															1	1		1	
20/19																					
18/17																					
TOTAL		1.033	5.99	6.15	5.4	8.6	1.8	.2									899	899	899	899	

Element (X)	Σ X²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5172439	67339	74.9	1.960	899							
Dry Bulb	1874958	40614	45.2	6.686	899		2.9					90
Wet Bulb	1594170	37422	41.6	6.370	899		7.7					90
Dew Point	1308850	39610	37.4	7.632	899		25.2					90

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AB SPAIN/MADRID STATION NAME YEARS 68-77 MONTH APR
 PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
82/ 81									.1	.1	.3	.1						2	2			
80/ 79									.1	.2	.3	.1						4	4			
78/ 77									.2	.4	.6	.2						8	8			
76/ 75									.3	.6	.9	.3						17	17			
74/ 73									.4	.8	1.2	.4						18	18			
72/ 71									.5	1.0	1.5	.5						29	29			
70/ 69									.6	1.2	1.8	.6						36	36			
68/ 67									.7	1.4	2.0	.7						55	55			
66/ 65									.8	1.6	2.3	.8						67	67			
64/ 63									.9	1.8	2.6	.9						90	90			
62/ 61									1.0	2.0	2.9	1.0						96	96			
60/ 59									1.1	2.2	3.1	1.1						90	90		3	
58/ 57									1.2	2.4	3.4	1.2						106	106		13	
56/ 55									1.3	2.6	3.7	1.3						88	88		33	
54/ 53									1.4	2.8	4.0	1.4						71	71		55	
52/ 51									1.5	3.0	4.3	1.5						46	46		64	
50/ 49									1.6	3.2	4.6	1.6						44	44		94	
48/ 47									1.7	3.4	4.9	1.7						16	16		125	
46/ 45									1.8	3.6	5.2	1.8						8	8		122	
44/ 43									1.9	3.8	5.5	1.9						6	6		148	
42/ 41									2.0	4.0	5.8	2.0						2	2		94	
40/ 39									2.1	4.2	6.1	2.1									64	
38/ 37									2.2	4.4	6.4	2.2									38	
36/ 35									2.3	4.6	6.7	2.3									28	
34/ 33									2.4	4.8	7.0	2.4									12	
32/ 31									2.5	5.0	7.3	2.5									5	
30/ 29									2.6	5.2	7.6	2.6									1	
28/ 27									2.7	5.4	7.9	2.7										
26/ 25									2.8	5.6	8.2	2.8										
24/ 23									2.9	5.8	8.5	2.9										
22/ 21									3.0	6.0	8.8	3.0										
20/ 19									3.1	6.2	9.1	3.1										
18/ 17									3.2	6.4	9.4	3.2										

Element (X)	Z X ²	Z X	X̄	σ _K	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												

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

68-77

TORREJON AB SPAIN/MADRID

14011

STATION NAME

YEARS

APR

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83																.1	100	100	1		
82/ 81																.4	96	96	4		
80/ 79																.13	91	91	13		
78/ 77																.13	77	77	13		
76/ 75																.19	77	77	19		
74/ 73																.25	77	77	25		
72/ 71																.29	77	77	29		
70/ 69																.57	62	62	57		
68/ 67																.62	61	61	62		
66/ 65																.61	100	100	61		
64/ 63																.100	96	96	100		4
62/ 61																.91	77	77	91		8
60/ 59																.77	77	77	77		2
58/ 57																.77	68	68	77		3
56/ 55																.68	34	34	68		22
54/ 53																.34	37	37	34		14
52/ 51																.37	20	20	37		49
50/ 49																.20	8	8	20		53
48/ 47																.8	3	3	8		62
46/ 45																.3	3	3	3		63
44/ 43																.2	2	2	2		109
42/ 41																.1	27	27	1		86
40/ 39																.2	7	7	2		100
38/ 37																.5	5	5	5		82
36/ 35																.62	2	2	2		62
34/ 33																.45					45
32/ 31																.43					43
30/ 29																.28					28
28/ 27																.28					28
26/ 25																.22					22
24/ 23																.22					9
22/ 21																.12					12
20/ 19																.4					4
18/ 17																					
Element (X)	Z X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rel. Hum.	Mean No. of Hours with Temperature																Total				
Dry Bulb	≥ 0 F																≥ 80 F	≥ 93 F			
Wet Bulb	≥ 67 F																				
Dew Point	≥ 32 F																				
	No. Obs.																				

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77

YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		D.B./W.B.	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
66/65						.1	.3	.1										1	15	
64/63				.2	.7	.3	.1											1	15	
62/61		.1	.4	.6	.4	.9	.6	.2										26	26	
60/59		.2	.4	.9	.7	1.0	.6	.2										36	36	
58/57		.4	1.0	1.1	1.3	.6	.7	.4										50	50	1
56/55		.2	1.6	1.6	1.7	.8	.2											54	54	
54/53		1.3	1.8	3.3	2.6	1.8	.4											101	101	
52/51	.1	1.1	3.9	2.2	1.7	.9	.1											90	90	
50/49		2.8	5.4	3.0	3.4	1.1	.1											143	143	
48/47		1.9	5.0	2.8	1.9	.9												112	112	
46/45		2.4	3.3	2.3	2.0	.6												96	96	
44/43	.2	1.4	2.1	2.1	1.0	.2												64	64	
42/41		1.3	1.9	1.0	.7													44	44	
40/39		.6	1.2	1.6	.8													33	33	
38/37		.1	.7	.7	.1													18	18	
36/35		.1	1.0	.1														11	11	
34/33			.1	.1														2	2	
32/31			.1	.1														1	1	
30/29		.1	.1	.1														2	2	
28/27																		1	1	
26/25		.1																3	3	
24/23																		1	1	
22/21																		1	1	
20/19																		1	1	
18/17																		1	1	
TOTAL		314.2	99.9	23.6	18.9	9.1	2.9	1.1										900	900	

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

Element (X)	Σ X ²	Σ X	X̄	s _n	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Rel. Hum.	4175610	59952	66.6	14.229	900						90
Dry Bulb	2248697	44643	49.6	6.173	900						90
Wet Bulb	1793122	39850	44.3	5.645	900						90
Dew Point	1376254	34530	38.4	7.565	900						90

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION

TORREJON AB SPAIN/MADRID STATION NAME

68-77 YEARS

APR MONTH

PAGE 1

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL D.B./W.B.	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		
84/ 83																			.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7			
82/ 81																		.0	.0		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	18	18		
80/ 79																	.0	.0		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	23	23		
78/ 77																			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	42	42		
76/ 75																		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	49	49		
74/ 73																	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	74	74		
72/ 71									.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	114		
70/ 69									.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	170	170		
68/ 67						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	197	197		
66/ 65					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	305	305	9	
64/ 63					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	355	355	30	
62/ 61					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	379	379	86	
60/ 59					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	466	466	170	
58/ 57					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	502	502	282	
56/ 55					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	601	601	379	
54/ 53					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	503	503	568	
52/ 51					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	724	724	146	
50/ 49					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	552	552	379	
48/ 47					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	934	934	370	
46/ 45					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	444	444	445	
44/ 43					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	378	378	583	
42/ 41					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	375	375	815	
40/ 39					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	284	284	704	
38/ 37					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	162	162	681	
36/ 35					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	126	126	651	
34/ 33					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	98	448	
32/ 31					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	38	420	
30/ 29					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	28	375	
28/ 27					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	19	302	
26/ 25					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11	237	
24/ 23					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	178	
22/ 21					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2	86	
20/ 19					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	52	
18/ 17					.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	20	

Element (X)	Z X'	Z X	X	e _x	No. Obs.	Mean No. of Hours with Temperature				Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 93 F	
Rel. Hum.										
Dry Bulb										
Wet Bulb										
Dew Point										

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA)

NR 64

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB, SPAIN/MADRID STATION NAME YEARS 68-77 MONTH MAY
PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
70/ 69						.1	.1	.2									2	2	2	
68/ 67						.1	.1	.5									10	10	10	
66/ 65						.3	.3	.6	.1								10	10	10	
64/ 63			.1	.4	.3	1.0	.5	.2	.1								24	24	24	
62/ 61		.2	.3	1.3	.8	.6	.4	.1	.1								36	36	36	5
60/ 59		.3	1.0	.8	1.1	.5	.2	.2									36	36	36	5
58/ 57	.2	1.0	.9	1.6	1.6	.6	.3	.1									57	57	57	21
56/ 55	.2	2.8	1.4	2.3	1.0	.5	.3										79	79	79	49
54/ 53	.1	3.4	3.1	3.2	.6	.6	.1										105	105	76	33
52/ 51	.4	2.6	4.6	1.5	1.0												94	94	89	54
50/ 49	.2	4.4	6.0	2.5	1.0												131	131	117	76
48/ 47	.6	4.1	3.7	.8	.5	.1											91	91	141	92
46/ 45	.5	4.1	2.8	1.3	.1												82	82	111	137
44/ 43	.3	3.1	2.4	1.2	.3												68	68	98	110
42/ 41	.1	3.0	1.8	.5													51	51	80	79
40/ 39	.1	.6	2.0	.2													27	27	60	74
38/ 37	.1	1.1	.5														16	16	42	74
36/ 35		.5	.3														8	8	26	69
34/ 33			.1														1	1	11	52
32/ 31																	1	1	1	38
30/ 29		.1																	2	15
28/ 27																				7
26/ 25																				4
TOTAL	2.73	1.43	1.17	7.5	8.4	4.5	3.1	1.0	.2								929	929	929	929

Element (X)	Σ X'		Σ X		No. Obs.	Mean No. of Hours with Temperature															
	54-59	60-65	66-71	72-77		≤ 67 F	68-72 F	73 F	74 F	≥ 80 F	Total										
Rel. Hum.	5432571	47106	69255	75.2	924																
Dry Bulb	2430464	2049795	43325	50.7	6.720	.1	1.2														93
Wet Bulb	2049795	1729118	43325	46.6	5.617	.3															93
Dew Point	1729118		39634	42.7	6.417	6.4															93

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID 68-77 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/63				.1	.1	.1	.2										5	5			
62/61			.3	.1	.1	.2											6	6			
60/59		.1	.5	.3	.5	.3											17	17	8		1
58/57		.9	.9	.4	1.1	.3											33	33			
56/55	.1	2.8	1.2	1.2	1.4	.2											64	64	21	10	10
54/53		3.2	3.7	1.4	.9	.4											89	89	42	19	19
52/51	.5	2.9	4.0	1.6	.9	.2											94	94	62	45	45
50/49	.2	4.5	4.1	.9	.6	.1											97	97	94	57	57
48/47	.4	6.1	3.2	1.3	.2												105	105	133	61	61
46/45	.2	6.9	2.6	1.4													103	103	115	95	95
44/43	.8	5.0	2.5	.8	.1												84	84	109	117	117
42/41	.2	5.3	3.1	.9													88	88	97	124	124
40/39	.1	2.5	3.1	.5													58	58	70	77	77
38/37	.1	4.0	.8														45	45	62	73	73
36/35	.1	1.9	.3														22	22	70	78	78
34/33		.9															8	8	29	66	66
32/31	.1	.5															6	6	9	52	52
30/29		.3															3	3	5	24	24
28/27		.1															1	1	2	18	18
26/25																				.6	.6
24/23																					
TOTAL		2.948	0.30	10.9	6.0	1.7	.2										928	928	928	928	928

Element (X)	Σ X ²	Σ X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
					≥ 80 F	≥ 73 F	≥ 67 F	≥ 32 F	≥ 0 F	
Rel. Hum.	6069101	74257	80.011	713	928					928
Dry Bulb	2115128	43928	47.3	6.398	929	1.0				93
Wet Bulb	1851102	41090	44.3	5.849	928	1.6				93
Dew Point	1612895	38207	41.2	6.558	928	10.1				93

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

STATION 14011 TORREJON AR SPAIN/MADRID STATION NAME
 YEARS 68-77
 MONTH MAY
 PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point		
74/ 73							.1	.1									1	1				
72/ 71							.3	.3									2	2				
70/ 69					.2	.6	.8	.8	.2								8	8				
68/ 67				.1	.3	.6	.6	.6	.1								24	24				
66/ 65				.1	.3	.6	.6	.6	.1	.1							17	17				
64/ 63		.1	.1	.8	.6	.4	.4	.4	.1	.1							24	24	1			
62/ 61			.6	1.4	1.1	.8	.5	.5	.1								41	41	4			
60/ 59			1.2	1.6	1.1	.3	.2	.2									42	42	16			
58/ 57			1.5	1.6	2.9	1.1	1.1	.2									78	78	28			
56/ 55			2.4	3.0	1.8	1.5	.6										91	91	15			
54/ 53	.2	2.8	4.7	2.5	2.2	.4			.1								120	120	42			
52/ 51	.3	2.6	4.1	1.0	1.1	.2											86	86	63			
50/ 49	.2	4.7	4.8	2.5	.9	.3											125	125	124			
48/ 47	.3	3.1	2.7	.9	1.0												74	74	110			
46/ 45	.2	4.4	1.8	1.5	.1												75	75	115			
44/ 43	.1	2.0	1.9	1.4													51	51	87			
42/ 41		1.5	1.2	.2													27	27	68			
40/ 39		1.4	.8	.1													21	21	77			
38/ 37	.2	.8	.1														10	10	76			
36/ 35		.8															7	7	76			
34/ 33		.4															4	4	53			
32/ 31		.2															2	2	47			
30/ 29																			1	29		
28/ 27																				17	3	
26/ 25																					1	930
TOTAL	1.828	7.28	7.18	7.1	7.7	5.9	2.9	.9	.5	.1							930	930	930			

Element (X)	Z X ²	Z X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature				Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Ref. Hum.	5244144	68614	73.8	13.993	930						
Dry Bulb	2586481	48595	52.3	7.133	930		.2	3.5	.1		93
Wet Bulb	2155719	44451	47.8	5.786	930		.3				93
Dew Point	1808001	40565	43.6	6.448	930		5.0				93

THIS FORM IS OBSOLETE AND SHOULD NOT BE USED FOR RECORDS OR REPORTS. IT IS BEING REPRODUCED HEREIN FOR INFORMATIONAL PURPOSES ONLY.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 STATION NAME TURREJON AB SPAIN/MADRID YEARS 68-77 PAGE 1 MONTH MAY
 HOURS (L. S. T.) 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
82/ 81									.3		.1							5	5	
80/ 79									.3		.1							8	8	
78/ 77									.9		.4							22	22	
76/ 75									.8		.5							36	36	
74/ 73									.1		.4							25	25	
72/ 71									.4		.1							35	35	
70/ 69									.3		.4							42	42	
68/ 67									.1		.8							68	68	1
66/ 65									.4		.5							63	63	2
64/ 63									.3		.4							69	69	20
62/ 61									.3		.9							80	80	31
60/ 59									.2		.2							104	104	75
58/ 57	.3								.1		.3							91	91	99
56/ 55									.1		.1							90	90	109
54/ 53									.3		.3							80	80	116
52/ 51									.1		.1							40	40	121
50/ 49									.5		.5							46	46	108
48/ 47									.1		.1							14	14	100
46/ 45									.4		.4							6	6	70
44/ 43									.4		.4							3	3	44
42/ 41									.1		.1							1	1	22
40/ 39									.1		.1							1	1	10
38/ 37																				52
36/ 35																				48
34/ 33																				20
32/ 31																				15
30/ 29																				19
28/ 27																				7
24/ 23																				1
22/ 21																				1
18/ 17																				1
TOTAL	.5	4.3	10.0	16.2	17.3	18.5	14.3	8.0	5.0	3.3	1.8	.3	.3					928	928	928
Element (X)	ΣX ²	ΣX	X̄	%	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	3162001	52365	56.4	5.164	928	≥ 32 F	≥ 30 F	≥ 27 F	≥ 24 F	≥ 21 F	≥ 18 F	≥ 15 F	≥ 12 F	≥ 9 F	≥ 6 F	≥ 3 F	≥ 0 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3542059	56875	61.3	7.863	928			24.2	9.6											93
Wet Bulb	2564422	48522	52.3	5.434	928			.1												93
Dew Point	1892292	41442	44.7	6.699	928				4.4											93

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

STATION 14011 STATION NAME TURREJON AB SPAIN/MADRID YEARS 68-77 MONTH MAY
 PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL			TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.S., % B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89												.1	.1	.1	.1	.1		2	2		
88/ 87												.8	.6	.5	.3	.1		24	24		
86/ 85							.2		.1	.3	.4	.6	.8	.3	.2	.1		30	30		
84/ 83									.6	.6	.6	1.8	.5	.3	.1			37	37		
82/ 81							.1	.4	.4	.5	.5	.4	.2	.1				31	31		
80/ 79							.1	.4	.6	1.0	.6	.3						35	35		
78/ 77							.2	.3	1.0	.6	.4	.1						27	27		
76/ 75							.4	.9	1.7	1.3	1.0	.5						55	55		
74/ 73						.1	.2	1.1	1.4	1.3	.3							51	51		
72/ 71						.6	.6	1.8	1.4	.5	.3							67	67	2	
70/ 69						.4	.9	2.4	1.5	1.0								85	85	3	
68/ 67					.6	1.0	1.3	1.9	.9	.5	.1							79	79	12	
66/ 65			.3	.6	1.8	2.2	1.7	2.3	.2	.1								73	73	41	
64/ 63			.3	.3	1.5	1.7	1.4	.5	.1									75	75	46	
62/ 61			.4	1.6	1.8	1.1	.6	.2	.1									66	66	98	
60/ 59			.6	1.5	1.4	1.2	.1											62	62	112	
58/ 57	.1	.6	.8	.6	1.2	.8	.1											53	53	118	
56/ 55		.4	1.5	.8	.4	.2	.4											35	35	144	
54/ 53		.4	.6	.6	.2	.4												22	22	125	
52/ 51		.4	.3	.3	.4	.3												13	13	89	
50/ 49		.2	.1	.1	.1	.1												4	4	57	
48/ 47		.1																1	1	44	
46/ 45																				26	112
44/ 43																				10	75
42/ 41																				2	75
40/ 39																					63
38/ 37																					49
36/ 35																					33
34/ 33																					27
32/ 31																					17
30/ 29																					9
28/ 27																					1
26/ 25																					2
20/ 19																					
Element (X)	Σ X ¹	Σ X ²	Σ X	°K	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																					

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

14011 STATION TORREJON AN SPAIN/MADRID STATION NAME YEARS 68-77 MONTH MAY PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)										TOTAL			D.B./W.B. Dry Bulb	Wet Bulb	Dew Point				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24				25-26	27-28	29-30	≥ 31
18/17		1.9	5.4	7.1	9.9	11.0	16.7	14.7	9.7	8.1	4.6	5.4	2.9	1.6	.6	.2		929	929	929
TOTAL																		929	929	929
Element (X)	ΣX		X		σx		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	2246680		43200		46,516,008		929		≥ 32 F		= 0 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	4209343		61951		9,115		929		44.6		24.3		10.1						93	
Wet Bulb	2744091		50247		5,331		929												93	
Dew Point	1839816		40846		6,879		929		5.7										93	

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME

68-77 YEARS

MAY MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
92/ 91															.1			1	1			
90/ 89															.1			3	3			
88/ 87															.1	.4		10	10			
86/ 85															.1	.3		31	31			
84/ 83									.2		.3	1.0	1.2	1.0	.3	.1		39	39			
82/ 81						.1			.6	.3	1.4	.8	.6	.1				37	37			
80/ 79							.2	.1	.9	.5	.6	.8	.4	.1				34	34			
78/ 77							.3	1.0	.9	.6	.3	.2	.2					33	33			
76/ 75						.4	.1	1.1	.6	1.7	1.0	.4	.1					55	55			
74/ 73						.2	.6	1.6	.9	1.1	.8	.1						53	53			
72/ 71						.6	1.0	1.9	.3	.2	.2							40	40		1	
70/ 69					.2	.6	.3	1.9	1.7	1.2	1.1	.2						68	68		5	
68/ 67					.4	.8	.8	2.4	2.5	.6	.1							69	69		4	
66/ 65				.4	.2	1.0	1.3	1.6	1.0	.6								57	57		35	
64/ 63			.2	.8	1.4	2.4	1.3	1.8	.9	.5								86	86		1	
62/ 61		.1	.3	.6	1.4	1.6	2.3	1.2	.1	.3								74	74		46	
60/ 59		.3	.6	.9	1.9	2.4	1.3	1.0	.3	.2								83	83		94	
58/ 57		.4	.3	1.6	1.2	1.1	.8	.5										55	55		111	
56/ 55		.2	.9	.5	1.0	.3	.9	.2										37	37		20	
54/ 53		.3	.8	.6	.6	1.3	.4	.1										33	33		32	
52/ 51		.1	1.0	.2	.2	.1			.2	.1								15	15		51	
50/ 49		.2	.3	.1	.1													6	6		79	
48/ 47		.2	.2	.1	.1													5	5		85	
46/ 45		.3	.1	.1														5	5		112	
44/ 43		.1																1	1		115	
42/ 41																		11	11		98	
40/ 39																		1	1		85	
38/ 37																					55	
36/ 35																					71	
34/ 33																					42	
32/ 31																					23	
30/ 29																					21	
28/ 27																					12	
26/ 25																					9	

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

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID

B-77

YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL Wet Bulb	Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30				≥ 31
88/ 87																.1		1	1	
86/ 85																.2		10	10	
84/ 83											.1					.3		13	13	
82/ 81											.3					.6		21	21	
80/ 79											.6					.1		20	20	
78/ 77											.3							18	18	
76/ 75										.1	.2					.1		34	34	
74/ 73										.3	.3					.1		48	48	
72/ 71										.6	.6					.1		42	42	
70/ 69									.1	.2	.9					.9		39	39	
68/ 67							.2		.5	1.1	2.3					.3		68	68	
66/ 65							.3		.5	1.3	1.0					.3		57	57	
64/ 63							.2		1.0	1.7	1.4					.1		70	70	
62/ 61							.1		1.1	1.4	1.6					.1		81	81	
60/ 59							.4		1.7	1.4	.9					.1		59	59	
58/ 57							1.0		1.5	1.8	1.4					.1		84	84	
56/ 55							.9		1.9	1.7	1.3					.1		82	82	
54/ 53							.3		1.9	2.3	1.0					.3		62	62	
52/ 51							.9		1.4	1.0	.5					.2		49	49	
50/ 49							1.0		1.7	.8	.3					.1		43	43	
48/ 47							.6		.4	.2	.6					.1		19	19	
46/ 45							.3		.2	.1	.1					.1		7	7	
44/ 43							.2		.2	.1						.1		3	3	
42/ 41																				
40/ 39																				
38/ 37																				
36/ 35																				
34/ 33																				
32/ 31																				
30/ 29																				
28/ 27																				
26/ 25																				
24/ 23																				
16/ 15																				
Element (X)	Z X'	Z X	X	X	No. Obs.	Mean No. of Hours with Temperature											≥ 80 F	≥ 93 F	Total	
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F											
Dry Bulb																				
Wet Bulb																				
Dew Point																				

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

14011 STATION TURREJON AB SPAIN/MADRID YEARS 68-77 MONTH MAY
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.	Wet Bulb	Dew Point
76/ 75								.2	.1			.2					5	5		
74/ 73								.2	.1								3	3		
72/ 71						.1	.4	.5	.1								15	15		
70/ 69					.3	.5	.4	.6	.3								25	25		
68/ 67					.3	.9	.9	.8	.1	.3							30	30		
66/ 65			.1	.2	.1	1.0	1.0	.9	.2	.1							32	32		
64/ 63			.2	1.0	.5	.9	.6	.5	.2	.2							39	39	2	
62/ 61			.9	1.1	1.4	1.4	1.1	.5	.1								60	60	6	
60/ 59	.4	1.3	1.6	2.0	2.0	1.1	1.0	.3									79	79	20	
58/ 57	1.8	1.3	2.4	2.0	2.0	1.0	.6	.3									88	88	52	
56/ 55	2.2	2.6	1.3	1.3	1.3	.9	.4										80	80	80	
54/ 53	.1	2.7	3.4	3.0	1.8	.9	.3										114	114	94	
52/ 51	1.1	2.8	1.8	1.8	1.1	.3	.1										67	67	125	
50/ 49	.1	3.2	4.2	1.8	1.0	.2											98	98	116	
48/ 47	.2	1.8	3.9	1.8	.9	.1											81	81	130	
46/ 45	1.6	2.2	1.1	.8	.8	.1	.1										54	54	100	
44/ 43	1.2	1.3	.8	.5	.1												31	31	86	
42/ 41	.6	1.1	.5														21	21	57	
40/ 39	.3	.3															6	6	27	
38/ 37																	26	26	74	
36/ 35																	7	7	44	
34/ 33																	42	42	42	
32/ 31																	24	24	24	
30/ 29																	25	25	25	
28/ 27																	6	6	6	
26/ 25																	3	3	3	
24/ 23																	1	1	1	
22/ 21																	1	1	1	
20/ 19	.4	1.0	2.5	5.8	4.4	9.3	7.0	4.5	1.9	.8	.4	.2					928	928	928	
TOTAL																				

Element (X)	ΣX'	ΣX	X	σ _a	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	4385742	61944	66.8	6.454	928						
Dry Bulb	2862649	51085	55.0	7.381	928			7.8			93
Wet Bulb	2252309	45441	49.0	5.468	928						93
Dew Point	1780826	40172	43.3	6.717	928			6.1			93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID YEARS 68-77 MONTH MAY
 PAGE 1 HOURS (L. S. T.) 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.	Wet Bulb	Dew Point
92/ 91															.0	.0	1	1		
90/ 89															.0	.0	5	5		
88/ 87											.1	.2	.1	.0	.0	.1	13	13		
86/ 85											.3	.5	.2	.1	.0	.0	65	65		
84/ 83								.0	.0	.0	.2	.3	.2	.1	.0	.0	82	82		
82/ 81							.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	100	100		
80/ 79							.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	93	93		
78/ 77							.0	.0	.0	.0	.3	.4	.2	.1	.0	.0	108	108		
76/ 75						.0	.2	.2	.5	.4	.4	.2	.1	.0	.0	.0	157	157		
74/ 73						.1	.2	.4	.7	.4	.4	.3	.0	.0	.0	.0	185	185		
72/ 71					.0	.1	.6	.7	.7	.3	.1	.1	.0	.0	.0	.0	185	185	3	
70/ 69					.2	.4	.7	.8	.6	.4	.3	.0	.0	.0	.0	.0	251	251	11	
68/ 67				.1	.5	.9	1.2	1.1	.7	.3	.2	.0	.0	.0	.0	.0	354	354	26	
66/ 65			.0	.3	.4	.7	.9	.5	.3	.2	.0	.0	.0	.0	.0	.0	315	315	3	
64/ 63		.0	.2	.7	.9	1.3	1.2	.7	.1	.1	.0	.0	.0	.0	.0	.0	390	390	113	
62/ 61		.1	.5	.9	1.3	1.6	1.1	.6	.3	.1	.0	.0	.0	.0	.0	.0	453	453	166	
60/ 59		.2	.8	1.4	1.6	1.1	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	486	486	379	
58/ 57	.0	1.0	1.0	1.8	1.6	1.1	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	548	548	537	
56/ 55	.1	1.5	1.7	1.5	1.4	.8	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	576	576	684	
54/ 53	.1	1.7	2.7	2.0	1.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	638	638	789	
52/ 51	.2	1.3	2.5	1.1	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	467	468	915	
50/ 49	.1	2.4	2.9	1.2	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	559	559	858	
48/ 47	.2	2.1	1.8	.7	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	393	393	850	
46/ 45	.1	2.2	1.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	333	333	624	
44/ 43	.0	1.5	1.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	241	241	532	
42/ 41	.0	1.2	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	188	188	362	
40/ 39	.0	.6	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	112	112	225	
38/ 37	.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	71	171	
36/ 35	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	37	115	
34/ 33	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	13	50	
32/ 31	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9	11	
30/ 29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3	9	
28/ 27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	2	
26/ 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	1	28	
Element (X)	Σ X'		Σ X		X		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TURREJON AB SPAIN/MADRID STATION NAME
 YEARS 68-77
 PAGE 1 0000-0200 HOURS (L. S. T.)
 MONTH JUN

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22					23-24	25-26	27-28	29-30	±31
82/ 81																		3	3		
78/ 77																		2	2		
76/ 75								.1									.2	5	5		
74/ 73								.1									.2	5	5		
72/ 71								.2									.2	16	16		
70/ 69								.6									.3	23	23		
68/ 67								1.1									.4	59	59		
66/ 65								2.1									.3	47	47		
64/ 63	.1	.8	2.1	2.0	.6	1.2	1.6	1.0	.3	.1							.2	79	79		4
62/ 61	.6	.9	2.4	1.7	2.1	2.0	1.0	.2	.2								.2	98	98		22
60/ 59	.1	1.2	2.8	2.6	1.7	.8	.2	.2									.2	86	86		74
58/ 57	.2	4.5	2.8	1.9	2.1	.6	.1	.4									.4	126	126		100
56/ 55	.7	4.3	3.9	2.6	1.0	.6											.6	117	117		130
54/ 53	.3	3.8	2.1	2.1	.9	.7	.1										.7	87	87		134
52/ 51	.4	1.4	1.9	.6	.6	.1											.1	44	44		142
50/ 49	.4	1.9	2.6	1.1	.6												.6	61	61		95
48/ 47	.1	1.2	.3	.3	.3	.1											.3	19	19		74
46/ 45	.1	.4	.2	.2	.2												.2	11	11		47
44/ 43	.7	.7	.1	.1	.2												.2	9	9		26
42/ 41	.1	.1	.1	.1	.2												.1	3	3		9
40/ 39																	.1	6	6		41
38/ 37																	.2	5	5		16
36/ 35																	.1	1	1		14
34/ 33																	.1	3	3		17
32/ 31																	.2	14	14		14
30/ 29																	.1	5	5		5
28/ 27																	.3	3	3		3
26/ 25																	.4	900	900		900
TOTAL	2.7	21.9	22.8	17.9	13.3	9.2	5.8	3.6	1.6	.6	.4	.3						900	900		900

Element (X)	Σ X ²	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature					Total	
						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F		± 93 F
Rel. Hum.	4749277	63629	70.7	16.702	900							
Dry Bulb	3126583	52729	58.6	6.442	900			11.3	1.5	.3		90
Wet Bulb	2550286	47690	53.0	5.085	900							90
Dew Point	2130726	43468	48.3	6.613	900			2.3				90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURKREJON AB SPAIN/MADRID

YEARS 68-77

MONTH JUN

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb
72/71					.1	.1											1	1		
70/69					.1	.1											3	3		
68/67			.1	.1	.6	.3	.2	.3									15	15		
66/65			.1	.1	.4	.2	.1	.4									12	12		
64/63	.3	.8	.8	.8	.7	.6	.4	.4									34	34	3	6
62/61	.1	1.0	1.2	1.4	.9	.3	.3	.3									48	48	17	
60/59	.8	1.8	3.4	1.8	1.6	1.3	.1	.1									98	98	23	21
58/57	.3	4.0	2.7	2.2	1.7	.4	.1	.1									103	103	59	18
56/55	.7	5.8	3.3	3.4	2.1												138	138	97	39
54/53	1.4	5.0	4.1	2.7	1.1	.1											130	130	130	100
52/51	.7	2.8	2.9	1.2	1.0	.2											79	79	128	93
50/49	.7	4.0	4.6	1.3	.6												100	100	130	107
48/47	.8	3.0	1.3	.6	.4												55	55	133	111
46/45	.2	2.8	.6	.8	.2												41	41	67	98
44/43	.1	1.4	.4	.4	.1												23	23	51	109
42/41	.1	.6	.1		.2												9	9	32	85
40/39		.4	.3														7	7	12	35
38/37		.1	.2														3	3	9	28
36/35																			6	16
34/33																			2	12
32/31																				9
30/29																				9
28/27																				1
26/25																				2
TOTAL	5.9	33.0	76.3	16.8	11.8	3.9	1.3	.9	.1								899	899	899	899

Mean No. of Hours with Temperature

No. Obs.

Element (X)

Element (X)	Zx'	Zx	X	S _x	No. Obs.	Mean No. of Hours with Temperature	Total
Rel. Hum.	5612941	69209	77.8	4.024	899		
Dry Bulb	2678101	48801	54.3	5.683	899	1.9	90
Wet Bulb	231939	45357	50.5	5.122	899		90
Dew Point	2027175	42319	47.1	6.250	899	2.1	90

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

14011 TURREJON AB SPAIN/MADRID STATION NAME

YEARS 68-77

MONTH JUN

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	W.B./W.B.	Dry Bulb	Wet Bulb	Dry Point
82/ 81												.2	.1					3	3		
80/ 79						.1		.2										3	3		
78/ 77							.1	.1	.1									2	2		
75/ 75							.1	.1	.1	.1								5	5		
74/ 73					.1	.1	.1	.1	.1	.1								18	18		
72/ 71					.1	.1	.1	.1	.1	.1								24	24		
70/ 69			.2	.2	.1	.1	.1	.1	.1	.1								44	44		
68/ 67			.1	.1	.1	.1	.1	.1	.1	.1								64	64		2
66/ 65		.1	1.0	1.7	1.6	2.1	1.1	.4										72	72		7
64/ 63		.7	1.4	2.6	1.2	2.1	.8	.1	.1									83	83		20
62/ 61	.4	.7	3.6	2.6	2.6	1.7	.2	.1										106	106		54
60/ 59	.3	1.1	2.9	2.6	2.2	1.1	.6											97	97		87
58/ 57	.2	2.9	3.7	3.6	1.0	.3	.2	.1										112	112		131
56/ 55	.3	4.6	3.2	1.7	.9	.6	.4											105	105		135
54/ 53	.2	2.0	2.3	1.6	.2	.3												67	67		166
52/ 51	.4	1.7	1.0	.8	.4	.2												41	41		117
50/ 49		1.2	1.2	.3	.8	.1												33	33		70
48/ 47		.7	.6	.1	.1													13	13		49
46/ 45		.1	.1	.1	.1													3	3		31
44/ 43		.3	.1	.1	.1													5	5		18
42/ 41																					8
40/ 39																					3
38/ 37																					2
36/ 35																					2
34/ 33																					6
32/ 31																					11
30/ 29																					4
28/ 27																					1
TOTAL	2.0	16.8	1.3	18.3	15.2	12.6	7.1	3.0	1.6	.9	.2	.2	.1				900	900		900	

Mean No. of Hours with Temperature

Element (X)	Z X	X̄	S _x	No. Obs.	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4498522	68.9	15.991	900					
Dry Bulb	3316370	60.4	6.510	900	16.3	3.1	.3		90
Wet Bulb	2668468	54.2	4.872	900	.2				90
Dew Point	2223405	49.3	6.158	900					90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AR SPAIN/MADRID
STATION NAME

68-77

YEARS

JUN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point	
90/ 69													.1		.4	.1	2	2			
88/ 67												.1					5	5			
86/ 65									.3	.6	.1	.4	.2	.1	.1		13	13			
84/ 63								.4	.6	.7	.6	.4	.1				22	22			
82/ 61								.4	.9	.6	.9	.6	.1		.1	.1	37	37			
80/ 79						.0		.4	1.8	.9	.9	.6					55	55			
78/ 77					.2	.1		1.8	2.4	.4	.3	.1	.1				76	76			
76/ 75					.6	.7		2.1	2.7	.4	.1						74	74			
74/ 73					.9	1.0		2.6	2.8	.6	.1						89	89			
72/ 71					.7	1.6		1.7	1.2	.6	.2						63	63			
70/ 69				.4	1.2	2.3		1.7	.6	.1							68	68	2		
68/ 67		.2	.3	2.2	2.9	2.1		1.7	.6	.7							96	96	15		
66/ 65		.1	.6	.6	1.6	2.7	1.8	1.0	.7	.2							82	82	57		
64/ 63		.1	.3	1.6	1.3	2.0	1.0	.6	.1	.1							64	64	60		
62/ 61		.4	1.0	1.8	1.1	.9	.7	.3	.1	.1							58	58	129	5	
60/ 59		.3	1.1	1.0	1.0	.6	.3	.3	.1	.1							42	42	154	36	
58/ 57		.6	.6	.7	.9	.1	.1										26	26	157	50	
56/ 55		.4	.4	.8	.2	.2											19	19	114	99	
54/ 53		.3	.2	.3													8	8	86	109	
52/ 51		.1															1	1	50	82	
50/ 49																			33	120	
48/ 47																			18	118	
46/ 45																			5	74	
44/ 43																				72	
42/ 41																				49	
40/ 39																				18	
38/ 37																				16	
36/ 35																				12	
34/ 33																				5	
32/ 31																				12	
30/ 29																				5	
26/ 25		2.4	4.4	7.4	11.0	13.9	14.8	13.7	8.0	4.4	3.1	1.8	.4	.7	.2		900	900	900	900	
TOTAL																					
Element (X)		ΣX ²	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	No. Obs.	Mean No. of Hours with Temperature						Σ 93 F	Total				
Rel. Hum.		2454370	44224	49.9	15.355				900	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F								
Dry Bulb		4493191	63227	70.3	7.558				900	60.0	37.3	10.6			90						
Wet Bulb		3059549	52313	58.1	4.576				900	1.7					90						
Dew Point		2236773	44409	49.4	6.380				900	1.8					90						

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AR SPAIN/MADRID YEARS 68-77
 PAGE 1 1200-1400 HOURS (L. S. T.)
 JUN MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
102/101																	.1	1	1	
90/99																	.1	1	1	
87/97																	.2	2	2	
96/95																.3	6	6		
94/93																.4	7	7		
92/91																.1	11	11		
90/89											.4	.9	.2	.3	.4	.1	21	21		
88/87											1.6	1.0	.9	.9	.9	.1	42	42		
86/85											2.2	1.7	2.3	.9	.2	.2	86	86		
84/83											1.2	1.9	.4	.2	.1	.1	71	71		
82/81											.3	2.0	1.7	.7	.2	.1	86	86		
80/79											1.2	1.0	.6	.1	.1	.1	73	73		
78/77											.7	1.4	.8	.3	.4	.1	49	49		
76/75											.7	2.3	1.9	.8	.1	.1	79	79		
74/73											.7	1.9	.9	.9	.6	.1	55	55		
72/71											.7	1.8	1.0	.8	.3	.1	57	57	1	
70/69											.4	1.3	1.2	.3	1.0	.1	65	65	5	
68/67											.4	1.2	1.4	.6	.3	.3	67	67	27	
66/65											.4	.7	.6	.8	.2	.2	29	29	92	
64/63											.4	.6	.8	.6	.6	.6	24	24	95	
62/61											.1	.9	.7	.6	.7	.2	30	30	151	
60/59											.1	.2	.6	.7	.2	.3	21	21	167	
58/57											.3	.3	.1	.2	.1	.1	9	9	142	
56/55											.2	.2	.3	.1	.2	.1	5	5	90	
54/53											.2	.1	.1	.1	.1	.1	3	3	76	
52/51																			33	101
50/49																			18	96
48/47																			3	118
46/45																			3	92
44/43																				104
42/41																				89
40/39																				60
38/37																				32
36/35																				22
35/34																				15

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

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAAC

STATION 14011 TURREJON AZ SPAIN/ADKJD YEARS 68-77 MONTH JUN
 PAGE 1 1500-1700
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101																	.1	1	1		
100/99																	.4	4	4		
98/97																	.4	4	4		
96/95																.1	.3	4	4		
94/93																.7	.8	13	13		
92/91															.4	.2	.7	19	19		
90/89															.7	.2	.2	43	43		
88/87															.8	.1	.3	63	63		
86/85										.1					2.0	.4	.1	80	80		
84/83										.3					2.3	.3	.1	74	74		
82/81										.8					1.4	.3	.3	70	70		
80/79										.6					1.7	.2	.6	68	68		
78/77										.4					1.0	.1	.2	62	62		
76/75										.8					1.1	.7	.8	61	61		
74/73										.4					.7	.4	.4	55	55		
72/71										.1					.9	.2	.2	53	53		
70/69										.4					.6	.3	.3	44	44	2	
68/67										.7					.9	.2	.2	49	49	20	
66/65										.9					.1	.1	.1	29	29	67	
64/63										.6					.6	.6	.6	36	36	97	
62/61										.3					.7	.2	.2	21	21	140	
60/59										.7					.4	.3	.3	26	26	181	
58/57										.1					.7	.1	.1	10	10	148	
56/55										.2					.2	.2	.2	7	7	116	
54/53										.3					.3	.3	.3	3	3	66	
52/51										.1					.1	.1	.1	1	1	45	
50/49																				16	82
48/47																				2	77
46/45																					107
44/43																					111
42/41																					103
40/39																					53
38/37																					34
36/35																					19

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/FAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID YEARS 68-77 MONTH JUN
 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.	Wet Bulb	Dew Point
86/85														.2				2	2	
84/83														.1				2	2	
82/81														.1				3	3	
80/79													.2					10	10	
78/77													.1					18	18	
76/75													.1					21	21	
74/73													.1					41	41	
72/71													.1					56	56	
70/69													.3					72	72	
68/67													.4					70	70	
66/65													.1					80	80	5
64/63													.2					103	103	43
62/61													.2					105	105	74
60/59													.3					104	104	83
58/57													.7					78	78	130
56/55													.2					58	58	157
54/53													.2					34	34	94
52/51													.2					14	14	101
50/49													.1					14	14	80
48/47													.1					13	13	75
46/45													.1					2	2	90
44/43													.1							80
42/41													.1							99
40/39													.1							4
38/37													.1							4
36/35													.1							33
34/33													.1							13
32/31													.1							27
30/29													.1							19
28/27													.1							9
26/25													.1							11
TOTAL																				1
																				900
																				900

Element (X)	Σ X		Σ X ²	No. Obs.	Mean No. of Hours with Temperature							Total
	Σ X	Σ X ²			≥ 67 F	≥ 73 F	≥ 80 F	≥ 86 F	≥ 93 F	Total		
Rel. Hum.	3545059	53911	59.9	740	900							
Dry Bulb	3676210	57172	63.5	7.035	900							90
Wet Bulb	2733051	49405	54.9	4.832	900							90
Dew Point	2116253	43161	48.0	7.184	900							90

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB, SPAIN/MADRID YEARS 1977 MONTH JUN PAGE 1 HOURS (L.S.T.) 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.	Wet Bulb	Dew Point	
102/101																	.0	2	2		
100/99																	.1	6	6		
98/97																	.1	8	8		
96/95															.1		.1	13	13		
94/93															.0		.2	25	25		
92/91															.1		.1	33	33		
90/89													.0		.3		.0	83	83		
88/87									.0			.1	.4	.4	.5	.1	.1	133	133		
86/85								.0	.1	.3	.4	.7	.8	.8	.5	.1	.1	232	232		
84/83								.0	.1	.3	.5	.7	.8	.8	.1	.1	.1	211	211		
82/81								.0	.2	.3	.5	.9	.8	.2	.1	.1		256	256		
80/79								.1	.3	.5	.9	.7	.4	.1				276	276		
78/77								.0	.7	.9	.9	.6	.4	.2				263	263		
76/75					.1	.2	.7	.5	.9	.9	.6	.3	.2	.1				311	311		
74/73					.2	.4	.6	.8	1.3	.7	.4	.2	.0					325	325		
72/71		.0	.0	.0	.4	.8	.8	1.0	1.0	.4	.2	.1						340	340	1	
70/69	.0	.1	.3	.5	.8	.7	1.1	1.0	.7	.3	.3							382	382	12	
68/67	.0	.3	.5	.7	1.2	1.6	1.3	1.2	.6	.2	.1	.0						497	497	79	
66/65	.1	.4	.8	.7	.9	1.3	1.0	.6	.2	.1								412	412	289	
64/63	.4	1.1	1.5	1.4	1.0	1.3	.9	.3	.1	.1								482	482	431	
62/61	.2	.6	1.6	1.4	1.3	1.0	.5	.2	.1	.0								500	500	722	
60/59	.2	.8	1.9	1.4	1.3	.8	.3	.1										497	497	909	
58/57	.1	2.1	1.6	1.3	1.1	.3	.2	.1										491	491	1034	
56/55	.2	2.4	1.5	1.4	.6	.2	.1											469	469	970	
54/53	.2	1.8	1.3	1.0	.3	.1	.0											346	346	863	
52/51	.2	.8	.8	.4	.3	.1												182	182	754	
50/49	.2	.9	1.2	.3	.3	.0												208	208	667	
48/47	.1	.7	.3	.1	.1	.0												100	100	349	
46/45	.0	.4	.1	.1	.1													57	57	178	
44/43	.0	.3	.1	.1	.0													37	37	99	
42/41	.0	.1	.0	.0	.0													12	12	53	
40/39	.0	.1	.0	.0	.0													7	7	25	
38/37	.0	.0	.0	.0	.0													3	3	16	
36/35	.0	.0	.0	.0	.0															7	143

Element (X)	Z X				%	No. Obs.	Mean No. of Hours with Temperature				Total
	Z X ¹	Z X	Z X	Z X			≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.											
Dry Bulb											
Wet Bulb											
Dew Point											

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME

68-77

YEARS

JUL

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
86/ 85														.1	.1		2	2				
84/ 83														.1	.1		2	2				
82/ 81									.1	.2	.1	.3					7	7				
80/ 79								.3	.5	.3	.5						15	15				
78/ 77							.9	.3	.5	.3	.5						20	20				
76/ 75				.1	.3	.5	.5	1.1	.2	.9	.3						36	36				
74/ 73				.2	.4	1.4	1.4	1.3	.4	1.3	.2						63	63				
72/ 71				.3	.3	2.3	2.5	1.5	.8	.5	.1						74	74				
70/ 69				.3	.3	2.3	2.5	1.5	.8	.5	.3						90	90				
68/ 67				.3	.3	2.3	2.9	2.0	.3	.3							143	143		1		
66/ 65	.2	1.8	1.4	1.4	1.4	2.4	2.5	2.2	.9	.4							122	122		17		
64/ 63	.8	1.3	1.3	1.3	.8	3.0	3.0	.9	1.0								111	111		43		
62/ 61	.3	1.7	.8	.8	1.2	2.5	2.5	1.9	.4								105	105		98		
60/ 59	.1	1.1	.8	.8	1.2	1.9	1.6	.4									66	66		109		
58/ 57	.4	.5	.8	.8	.6	1.6	.8	.3									45	45		143		
56/ 55	.4	.1	.4	.4	.5	.3	.3										20	20		119		
54/ 53	.2	.2	.2	.2	.3	.1	.1										9	9		141		
52/ 51																	108	108		108		
50/ 49																	73	73		73		
48/ 47																	56	56		56		
46/ 45																	19	19		19		
44/ 43																	2	2		2		
42/ 41																	1	1		1		
40/ 39																						
38/ 37																						
36/ 35																						
34/ 33																						
32/ 31																						
30/ 29																						
28/ 27																						
TOTAL	2.5	7.2	6.6	12.0	17.0	18.6	14.8	10.5	3.9	3.7	1.5	.3	.2	.1			930	930		930		
Element (X)	Σ X ¹	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	No. Obs.	Mean No. of Hours with Temperature							Σ X	Σ X	Total			
Rel. Hum.	2665798	47654	51.2	15.527	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930
Dry Bulb	4137778	61796	66.4	5.832	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930
Wet Bulb	2887740	51632	55.5	4.779	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930
Dew Point	2087473	43491	46.8	7.598	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

14011
STATION

TURREJON AB SPAIN/MADRID
STATION NAME

8-77
YEARS

JUL
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
80/79																		2	2	
78/77							.1	.3	.3									8	8	
76/75							.3	.3	.3									6	6	
74/73					.1		.2	.2	.3	.2	.1							11	11	
72/71					.1		.3	.3	.1									8	8	
70/69				.2	.6		.9	.2	.4									27	27	
68/67			.1	.5	1.4		1.9	1.1	1.0									73	73	
66/65			.8	.3	1.6		2.0	1.2	.4									91	91	
64/63		.6	1.9	2.9	2.9		2.8	.5	.3									132	132	2
62/61		.9	2.4	2.5	3.1		1.8	.2	.3									143	143	14
60/59		.9	2.6	1.5	4.0		2.3	.9										131	131	7
58/57		1.2	2.2	1.7	2.6		1.2	.2										106	106	26
56/55		1.2	1.7	1.8	3.0		1.2	.9										91	91	44
54/53		.6	.3	1.8	2.2		1.1	.3										59	59	55
52/51		.2	.0	.5	.5		.1											20	20	79
50/49				.6	1.1		.4											20	20	69
48/47		.1		.1														2	2	93
46/45																				84
44/43																				55
42/41																				26
40/39																				9
38/37																				3
36/35																				72
34/33																				45
32/31																				34
30/29																				18
28/27																				17
26/25																				9
TOTAL	5.6	12.7	15.6	23.2	16.9	14.4	5.2	3.5	.2	.3	.1						930	930	930	930
Element (X)	Z X'	Z X	X	X	X	X	X	X	No. Obs.	Mean No. of Hours with Temperature						Total				
Rel. Hum.	3544015	55761	60.0	4.698	930	80 F	930	73 F	2.7	80 F	930	67 F	13.5	67 F	930	59 F	93			
Dry Bulb	3492478	56768	61.0	5.422	930	80 F	930	73 F	.1	80 F	930	67 F	2.7	67 F	930	59 F	93			
Wet Bulb	2642266	49376	53.1	4.951	930	80 F	930	73 F	3.2	80 F	930	67 F	13.5	67 F	930	59 F	93			
Dew Point	2041209	43049	46.3	7.226	930	80 F	930	73 F	3.2	80 F	930	67 F	13.5	67 F	930	59 F	93			

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AR SPAIN/MADRID STATION NAME
 YEARS 58-77
 MONTH JUL
 PAGE 1 0600-0800
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb
86/85								.1				.1					1	1		
84/83								.2				.1					3	3		
82/81								.1				.3					13	13		
80/79								.9				.3					27	27		
78/77								.5				.2					18	18		
76/75								1.2				.3					60	60		
74/73	.1							1.7				.3					60	60	1	1
72/71								1.7				.3					87	87		
70/69								1.8				.1					95	95		
68/67								2.5				.2					133	133	3	3
66/65	.1							2.0				.5					113	113	30	2
64/63								1.5				.3					104	104	69	4
62/61								2.5				.9					92	92	110	20
60/59								1.2				.2					44	44	158	24
58/57								.6				.5					37	37	135	65
56/55								1.0				.3					27	27	151	87
54/53								.3				.4					12	12	101	98
52/51								.2				.2					3	3	71	87
50/49								.6				.5							48	124
48/47								.5				.3							29	83
46/45								.3				.3							18	96
44/43								.1				.1							5	71
42/41								.1				.1								70
40/39								.1				.1								28
38/37								.1				.1								23
36/35								.1				.1								18
34/33								.1				.1								15
32/31								.1				.1								8
30/29								.1				.1								1
TOTAL	.2	2.4	6.6	9.0	14.1	17.2	20.2	23.2	29.5	4.8	1.6	1.5		.1			929	929	929	929

Element (X)	Z X'		Z X		X		°A		No. Obs.	Mean No. of Hours with Temperature					Total
	2869721	4230505	49069	62425	53.7	67.2	4.5	12		929	929	32 F	73 F	80 F	
Rel. Hum.	2869721	4230505	49069	62425	53.7	67.2	4.5	12	929	929	32 F	73 F	80 F	93 F	
Dry Bulb	2869721	4230505	49069	62425	53.7	67.2	4.5	12	929	929	32 F	73 F	80 F	93 F	
Wet Bulb	2869721	4230505	49069	62425	53.7	67.2	4.5	12	929	929	32 F	73 F	80 F	93 F	
Dew Point	2869721	4230505	49069	62425	53.7	67.2	4.5	12	929	929	32 F	73 F	80 F	93 F	

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

STATION 14011 TURREJON DE SPAIN/MAUNID STATION NAME SA-77 YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-1	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
98/ 97																	.1	1	1	
96/ 95																	.1	1	1	
94/ 93																.2	.3	6	9	
92/ 91																.1	.1	9	9	
90/ 89																.4	.6	27	27	
88/ 87																.6	.4	42	42	
86/ 85																.3	.2	79	79	
84/ 83																.6	.1	83	83	
82/ 81																.2	.3	119	119	
80/ 79																.3	.1	111	111	
78/ 77																.1	.1	130	130	
76/ 75																.1	.1	110	110	
74/ 73																.1	.1	83	83	
72/ 71																.1	.1	53	53	
70/ 69																.1	.1	32	32	
68/ 67																.1	.1	19	19	
66/ 65																.1	.1	14	14	1
64/ 63																.1	.1	10	10	5
62/ 61																.1	.1	1	1	186
60/ 59																.1	.1	159	159	40
58/ 57																.1	.1	108	108	64
56/ 55																.1	.1	15	15	107
54/ 53																.1	.1	20	20	128
52/ 51																.1	.1	19	19	88
50/ 49																.1	.1	7	7	132
48/ 47																.1	.1	79	79	90
46/ 45																.1	.1	62	62	79
44/ 43																.1	.1	62	62	62
42/ 41																.1	.1	44	44	44
40/ 39																.1	.1	23	23	23
38/ 37																.1	.1	9	9	9
36/ 35																.1	.1	13	13	13
34/ 33																.1	.1	8	8	8
32/ 31																.1	.1	9	9	9
Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature												Total		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

DATA PROCESSING BRANCH
 USAF ETAC
 AIR MATHER SERVICE/NAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON DE SPAIN/MADRID

8-77

JUL
 MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																	.1	1	1		
102/101																	.6	6	6		
100/99																	1.5	14	14		
98/97																	2.6	30	30		
96/95																	3.2	47	47		
94/93																	3.4	73	73		
92/91																	1.6	59	59		
90/89																	.4	113	113		
88/87																	.3	104	104		
86/85																	.2	149	149		
84/83																	.1	79	79		
82/81																	.1	80	80		
80/79																	.2	71	71		
78/77																	.1	32	32		
76/75																	.1	27	27		
74/73																	.1	16	16		
72/71																	.2	12	12		3
70/69																	.4	11	11		18
68/67																	.1	2	2		53
66/65																	.1	1	1		171
64/63																	.1	2	2		215
62/61																	.1	2	2		190
60/59																	.1	143	143		4
58/57																	.1	81	81		22
56/55																	.1	25	25		11
54/53																	.1	25	25		30
52/51																	.1	5	5		54
50/49																	.1	147	147		85
48/47																	.1	106	106		83
46/45																	.1	110	110		147
44/43																	.1	96	96		106
42/41																	.1	57	57		110
40/39																	.1	46	46		96
38/37																	.1	31	31		57
Element (X)	Z X ²	Z X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJUN AB SPAIN/MADRID STATION NAME 68-77 YEARS JUL MONTH 1200-1400 HOURS (L. S. T.)
PAGE 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL				TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
36/35																					9
34/33																					12
32/31																					12
30/29																					5
28/27																					5
26/25																					3
24/23	.1	.4	.4	.4	.6	.5	1.0	2.2	4.5	7.2	6.9	2.2	4.4	2.5	1.1	9.7	4.2	929	929		1
TOTAL																		929	929		929
Element (X)	ΣX'	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX
Rel. Hum.	40801	25621	27.6	10.4	53	929															
Dry Bulb	6950247	60119	86.2	6.6	15	929															93
Wet Bulb	3596716	57714	62.1	3.4	80	929															93
Dew Point	2139264	44136	47.5	6.6	79	929															93
											Mean No. of Hours with Temperature										
											≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
													92.7	90.2	78.2	17.1					
													7.4								
													2.6								

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TURRETON AP SPAIN/MADRID YEARS 55-77 MONTH JUL
 PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
104/103																	.1	1	1	
102/101																	.5	5	5	
100/99																	3.5	33	33	
98/97																.2	5.6	54	54	
96/95																.3	1.4	112	112	
94/93																1.4	4.1	65	65	
92/91																1.5	2.2	78	78	
90/89										.2						4.1	2.2	117	117	
88/87										.1	.4					2.3	1.5	106	106	
86/85										.3	1.4					2.2	.8	98	98	
84/83										.8	1.6					1.4	.6	80	80	
82/81										1.2	.9					.5	.4	70	70	
80/79										.8	.9					.2	.3	42	42	
78/77										.4	.4					.2	.3	19	19	
76/75					.1					.4	.4					.4	.4	11	11	
74/73										.2	.2					.2	.2	13	13	
72/71										.3	.3					.3	.3	16	16	1
70/69					.4					.1	.1					.2	.2	8	8	5
68/67																				25
66/65																		1	1	103
64/63			.1															1	1	226
62/61																				234
60/59																				168
58/57																				103
56/55																				38
54/53																				20
52/51																				58
50/49																				7
48/47																				108
46/45																				130
44/43																				118
42/41																				111
40/39																				75
38/37																				46
Element (X)	Z X ²	Z X	X̄	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					Total				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

14011 STATION
TURREJON AB SPAIN/MADRID
YEARS 68-77
PAGE 1
1800-2000 HOURS (L. S. T.)
MONTH JUL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
100/ 99																	.5	5	5	
98/ 97																	1.9	18	18	
96/ 95															.1	.1	2.3	23	23	
94/ 93															.2	1.2	4.3	53	53	
92/ 91															.9	.9	1.6	42	42	
90/ 89															1.6	2.4	1.7	79	79	
88/ 87															1.8	1.0	.6	95	95	
86/ 85															2.4	1.1	.6	119	119	
84/ 83															2.4	.1	.1	84	84	
82/ 81															1.9	.4	.1	106	106	
80/ 79															1.9	.1	.1	83	83	
78/ 77															1.0	.1	.1	55	55	
76/ 75															.4	.1	.1	59	59	
74/ 73															.6	.1	.1	24	24	
72/ 71															.1	.1	.1	40	40	
70/ 69															.2	.1	.1	18	18	
68/ 67															.1	.1	.1	13	13	
66/ 65															.2	.1	.1	9	9	
64/ 63															.1	.1	.1	2	2	
62/ 61															.1	.1	.1	2	2	
60/ 59															.1	.1	.1	1	1	
58/ 57															.1	.1	.1	1	1	
56/ 55															.1	.1	.1	1	1	
54/ 53															.1	.1	.1	1	1	
52/ 51															.1	.1	.1	1	1	
50/ 49															.1	.1	.1	1	1	
48/ 47															.1	.1	.1	1	1	
46/ 45															.1	.1	.1	1	1	
44/ 43															.1	.1	.1	1	1	
42/ 41															.1	.1	.1	1	1	
40/ 39															.1	.1	.1	1	1	
38/ 37															.1	.1	.1	1	1	
36/ 35															.1	.1	.1	1	1	
34/ 33															.1	.1	.1	1	1	

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

DATA PROCESSING FRANCH
 USAF ETAC
 AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/BAKID

CR-77

YEARS

JUL

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		
90/ 69															.1			2	2				
88/ 67															.1			2	2				
86/ 65															.5			14	14				
84/ 63															.2			26	26				
82/ 61															.1			53	53				
80/ 79															.2			57	57				
78/ 77															.1			102	102				
76/ 75															.6			95	95				
74/ 73															.8			98	98				
72/ 71															.6			101	101				
70/ 69															.1			118	118		7		
68/ 67															.4			92	92				
66/ 65															.4			64	54		33		
64/ 63															.2			61	61		71		
62/ 61															.2			31	31		120		
60/ 59															.2			11	11		127		
58/ 57															.2			3	3		162		
56/ 55															.2			128	127		46		
54/ 53															.2			128	128		67		
52/ 51															.2			81	81		58		
50/ 49															.2			44	44		71		
48/ 47															.2			18	18		73		
46/ 45															.2			2	2		77		
44/ 43															.2			102	102		68		
42/ 41															.2			72	72		102		
40/ 39															.2			49	49		72		
38/ 37															.2			58	58		49		
36/ 35															.2			29	29		58		
34/ 33															.2			19	19		29		
32/ 31															.2			12	12		19		
30/ 29															.2			5	5		12		
28/ 27															.2			4	4		5		
26/ 25															.2			1	1		4		
24/ 23															.2						1		
Element (X)	Z X ²	Z X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F												
Dry Bulb																							
Wet Bulb																							
Dew Point																							

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

14011 STATION TURRETT 48 SPAIN/1ADKID YEARS 68-77 MONTH JUL PAGE 1 HOURS (L. S. T.) ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL Wet Bulb	Dew Point					
	0	1-2	3-4	5-6	7-9	9-10	11-12	13-14	15-16	17-18	19-20	21-22				23-24	25-26	27-28	29-30	≥ 31
104/103																	.0	2	2	
102/101																	.1	11	11	
100/99																	.7	52	52	
98/97																	1.3	103	103	
96/95																.0	2.0	183	183	
94/93																.5	1.5	197	197	
92/91																.6	.7	188	188	
90/89																1.0	.5	338	338	
88/87																.9	.3	349	349	
86/85																1.1	.2	462	462	
84/83																.8	.1	357	357	
82/81																.5	.1	448	448	
80/79																.2	.1	408	408	
78/77																.3	.1	384	384	
76/75																.1	.0	404	404	
74/73																.6	.0	368	368	
72/71																.4	1	391	391	
70/69																.2	4	399	399	
68/67																.0	32	475	475	
66/65																.0	139	415	415	
64/63																.1	577	423	423	
62/61																.3	984	374	374	
60/59																.4	1183	253	253	
58/57																.2	1169	191	191	
56/55																.1	966	138	138	
54/53																.0	724	80	80	
52/51																.2	600	23	23	
50/49																.1	265	20	20	
48/47																.0	200	2	2	
46/45																.0	94	23	23	
44/43																.1	33	33	33	
42/41																.0	10	10	10	
40/39																.0	3	3	3	
38/37																.0	312	312	312	

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID YEARS 68-77 PAGE 1

AUG
MO. TH
0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		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.	
88/ 87																.1	1	1	
86/ 85																.1	1	1	
84/ 83															.1	.1	4	4	
82/ 81															.1	.2	7	7	
80/ 79															.1	.1	16	16	
78/ 77															.1	.1	20	20	
76/ 75															.3	.3	31	31	
74/ 73															.9	.3	40	40	
72/ 71															.9	.1	68	68	
70/ 69															.2	.3	73	73	
68/ 67															.6	.2	130	130	1
66/ 65															.9	.3	126	126	14
64/ 63															.8	.2	113	113	51
62/ 61															.6	.2	116	116	85
60/ 59															.3	.3	63	63	78
58/ 57															.1	.1	51	51	109
56/ 55															.5	.3	34	34	146
54/ 53															.4	.3	23	23	131
52/ 51															.1	.1	9	9	113
50/ 49															.2	.1	3	3	94
48/ 47															.1	.1	1	1	58
46/ 45															.1	.1	32	32	102
44/ 43															.1	.1	16	16	80
42/ 41															.1	.1	1	1	74
40/ 39															.1	.1	1	1	68
38/ 37															.1	.1	1	1	56
36/ 35															.1	.1	32	32	32
34/ 33															.1	.1	25	25	25
32/ 31															.1	.1	17	17	17
30/ 29															.1	.1	14	14	14
28/ 27															.1	.1	4	4	4
26/ 25															.1	.1	3	3	3
24/ 23															.1	.1			

Mean No. of Hours with Temperature

Element (X) Σ X² Σ X % No. Obs.

Rel. Hum. Mean No. of Hours with Temperature ≥ 80 F ≥ 73 F ≥ 67 F ≥ 50 F Total

Dry Bulb

Wet Bulb

Dew Point

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/FAC

PSYCHROMETRIC SUMMARY

14011 STATION

TURREJON AB SPAIN/MADRID

YEARS

08-77

STATION NAME

PAGE 1

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

AUG MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77							.1	.2	.1	.2	.1							3	3		
76/ 75							.2	.1	.3	.2	.1							5	5		
74/ 73						.1	.4	.3	.3	.3	.3							12	12		
72/ 71					.2	.4	.8	.4	.3	.3	.3							23	23		
70/ 69			.1	.1	.6	1.0	.9	.2	.4	.2								28	28		
68/ 67			.1	.6	1.6	1.6	.9	.2	.2	.2								58	58		
66/ 65	.1	.1	.9	1.0	2.0	2.9	1.1	.8	.3	.2	.1							87	87	2	3
64/ 63	.1	.1	1.6	2.8	2.9	2.6	1.5	.4	.6	.1								118	118	8	8
62/ 61	.1	.1	1.6	2.5	4.0	2.7	2.9	.8	.3									132	132	33	33
60/ 59	.3	.3	2.0	2.3	5.3	2.6	2.4	.8	.2									146	146	81	13
58/ 57	.3	1.3	.6	3.3	3.0	1.6	1.2	.4										112	112	109	29
56/ 55	.1	.3	.3	1.9	3.2	.9	.9	.2										81	81	109	53
54/ 53	.1	.4	.2	2.4	2.5	1.0	.2	.2										65	65	120	81
52/ 51			.1	1.0	.9	.2	.2											22	22	138	75
50/ 49			.6	.4	.6	.4												20	20	101	93
48/ 47			.3	.5	.3	.1												12	12	109	91
46/ 45			.1	.3														4	4	57	100
44/ 43			.1	.1														2	2	35	65
42/ 41																				21	118
40/ 39																				7	56
38/ 37																					54
36/ 35																					41
34/ 33																					21
32/ 31																					17
30/ 29																					16
28/ 27																					7
26/ 25																					5
24/ 23																					1
22/ 21	.6	3.1	8.4	15.4	27.4	13.2	6.1	2.6	1.0	.1								930	930	930	930
TOTAL																		930	930	930	930

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	Total
Ref. Hum.	3383943	54664	58.8	13.562	930						
Dry Bulb	3642885	56341	60.6	5.649	930			12.9	2.0		93
Wet Bulb	2586457	48809	52.5	5.169	930						93
Dew Point	1967204	42228	45.4	7.370	930		4.7				93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AR SPAIN/MADRID 08-77 YEARS

AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26					27-28	29-30
84/ 63									.1	.5	.1						1	7		
82/ 81									.1	.1	.1						8	8		
80/ 79								.2	.4	.4	.1						11	11		
78/ 77								.6	.6	.6	.1	.1					30	30		
76/ 75					.1			.1	.8	.6	.2						37	37		
74/ 73					.1	.3		.3	.9	.6	.2						53	53		
72/ 71				.1	.3	1.1		1.3	1.9	.8	.2	.1					80	80		
70/ 69				.2	2.0	1.1	2.2	1.7	1.0	.2	.1						105	105	1	
68/ 67			.3	1.2	1.5	3.9	2.8	1.6	.8	.2							102	102	12	
66/ 65			.5	1.7	2.2	2.8	1.7	1.5	.2	.2	.1						128	128	43	3
64/ 63	.1	.1	1.5	2.4	2.7	2.7	2.7	.9	.5								111	111	64	8
62/ 61	.4	.4	1.5	1.6	3.4	3.2	1.3	.4									81	81	116	12
60/ 59	.1	.5	.9	1.7	2.6	1.4	1.0	.2	.1								66	66	143	44
58/ 57	.3	.4	.4	1.7	2.5	1.2	.3	.2									44	44	122	76
56/ 55		.6	.3	1.4	1.7	.5	.1										33	33	131	79
54/ 53		.2	.4	1.2	1.1	.2	.4										18	18	117	83
52/ 51		.2	.1	1.1	.6												10	10	79	130
50/ 49		.1	.2	.4	.3												4	4	54	94
48/ 47			.3	.1	.1												1	1	22	102
46/ 45			.1																21	90
44/ 43																			4	62
42/ 41																			1	57
40/ 39																				35
38/ 37																				18
36/ 35																				17
34/ 33																				7
32/ 31																				5
30/ 29																				4
28/ 27																				2
24/ 23	.5	2.7	6.7	13.7	21.5	18.1	16.1	10.9	6.0	2.3	1.2	.3	.1				930	930		930
TOTAL																				

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3115566	52240	56.2	14.002	930							Total
Dry Bulb	3870660	59692	64.2	6.507	930			33.2	9.4	.6		93
Wet Bulb	2824553	51641	54.9	5.006	930			.1				93
Dew Point	2132921	44107	47.4	6.724	930		1.8					93



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAO

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AP SPAIN/MADRID YEARS 68-77 MONTH AUG
 PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb
96/ 55															.1	.2	3		
94/ 53															.1	.1	2		
92/ 51														.3	.1	.1	7		
90/ 49									.1		.2	.5	.3	.2	.1	.1	13		
88/ 87									.6	.2	.9	1.2	1.2	.4	.2	.1	21		
86/ 85								.1	1.2	1.5	1.5	1.2	.6	.8	.1	.1	42		
84/ 83							.1	1.1	1.4	2.0	1.9	.6	.8	.1	.1	.1	70		
82/ 81							1.1	1.4	2.0	1.9	1.0	.6	.3	.1	.1	.1	79		
80/ 79							.6	1.0	2.0	3.5	1.7	.9	.2	.1	.1	.1	104		
78/ 77							.8	2.6	3.4	2.0	2.0	.9	.1	.1	.1	.1	118		
76/ 75							1.6	2.5	2.9	1.8	1.8	.2		.1	.1	.1	110		
74/ 73							1.9	1.7	2.6	1.4	1.0	.2		.1	.1	.1	92		
72/ 71			.2				1.2	1.6	2.2	2.2	1.1	.2					81		1
70/ 69			.5				1.7	1.7	1.1	.5							67		4
68/ 67			.1				1.0	1.7	1.1	.2							56		51
66/ 65			.6				.9	1.0	1.2	.1		.1					29		103
64/ 63		.1	.5				.9	.3	.1								26		128
62/ 61		.2	.1				.2	.2	.1								7		170
60/ 59		.2					.1										3		156
58/ 57																			145
56/ 55																			92
54/ 53																			52
52/ 51																			17
50/ 49																			9
48/ 47																			2
46/ 45																			74
44/ 43																			112
42/ 41																			57
40/ 39																			68
38/ 37																			37
36/ 35																			19
34/ 33																			6
32/ 31																			3
26/ 25																			3
24																			1

Element (X)	Σ X'	Σ X	No. Obs.	Mean No. of Hours with Temperature					Total
				≥ 80 F	≥ 73 F	≥ 67 F	≥ 60 F	≥ 53 F	
Rel. Hum.									
Dry Bulb									
Wet Bulb									
Dew Point									

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/VAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AFB SPAIN/HADRJD STATION NAME
68-77 YEARS

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

AUG MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
106/105																	.1	1	1					
104/103																	.1	1	1					
102/101																	.4	4	4					
100/99																	1.1	10	10					
98/97																	1.0	13	13					
96/95																	1.0	26	26					
94/93																	1.2	39	39					
92/91																	.5	53	53					
90/89																	.6	94	94					
88/87																	.9	86	86					
86/85																	.3	132	132					
84/83																	.4	114	114					
82/81																	.6	84	84					
80/79																	.6	74	74					
78/77																	.3	55	55					
76/75																	.4	54	54					
74/73																	.4	42	42					
72/71																	.2	17	17		7			
70/69																	.4	9	9		19			
68/67																	.2	12	12		65			
66/65																	.1	7	7		126			
64/63																	.3	1	1		148			
62/61																	.1	1	1		194			
60/59																	.1	1	1		162			
58/57																	.1	1	1		114			
56/55																	.1	1	1		61			
54/53																	.1	1	1		25			
52/51																	.1	1	1		9			
50/49																	.1	1	1		111			
48/47																	.1	1	1		94			
46/45																	.1	1	1		111			
44/43																	.1	1	1		102			
42/41																	.1	1	1		64			
40/39																	.1	1	1		57			
Element (X)																	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																								

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

STATION 14011 TORREJON AB SPAIN/MADRID YEARS 8R-77 MONTH AUG
 PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL			Dew Point						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
38/ 37																					36
36/ 35																					16
34/ 33																					13
32/ 31																					9
30/ 29																					2
28/ 27																					2
26/ 25																					2
24/ 23																					2
TOTAL	.3	1.0	.5	1.0	1.0	1.5	2.0	6.0	9.8	11.2	15.2	14.6	13.0	9.0	6.6	7.6	930	930	930	930	

Element (X)	ΣX ²	ΣX	X	ΣX	°X	No. Obs.	Mean No. of Hours with Temperature					Total
							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	
Rel. Hum.	935834	27544	29.6	1.368	930							
Dry Bulb	6597704	78058	83.9	7.039	930			92.0	88.2	67.6	9.4	93
Wet Bulb	3526939	57161	61.5	3.830	930			9.1				93
Dew Point	2134425	44109	47.4	6.754	930		1.7					93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION

TURREJUN AB SPAIN/MADRID
STATION NAME

YEARS 58-77

MONTH AUG

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulbs	Dew Point	
106/105																	.2	2	2		
104/103																	.4	4	4		
102/101																	.6	6	6		
100/99																	1.3	12	12		
98/97																	2.2	23	23		
96/95																	3.6	53	53		
94/93																	3.4	66	66		
92/91																	2.5	75	75		
90/89																	2.0	112	112		
88/87																	1.3	97	97		
86/85																	.5	110	110		
84/83																	.2	92	92		
82/81																	.2	77	77		
80/79																	.1	45	45		
78/77																	.1	50	50		
76/75																	.9	41	41		
74/73																	.2	24	24	1	
72/71																	.1	20	20	2	
70/69																	.1	4	4	6	
68/67																	.2	7	7	18	
66/65																	.3	4	4	89	
64/63																	.1	4	4	178	
62/61																	.1	1	1	190	
60/59																	.1	1	1	177	
58/57																	.2	137	137	14	
56/55																	.2	92	92	16	
54/53																	.1	27	27	49	
52/51																	.1	5	5	69	
50/49																	.1			91	
48/47																	.1			89	
46/45																	.1			109	
44/43																	.1			103	
42/41																	.1			134	
40/39																	.1			81	
Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature												Total			
Rel. Hum.						≤ 50 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TJRREJON AB SPAIN/MADRID YEARS 68-77

AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
38/ 37																					57
36/ 35																					50
34/ 33																					22
32/ 31																					4
30/ 29																					7
28/ 27																					5
26/ 25																					3
24/ 23																					1
TOTAL	.1	.5	.3	.9	1.2	2.4	.9	2.2	3.9	6.5	8.6	13.1	14.6	14.8	12.0	18.4	930	930	930	930	

Element (X)	Z X'	Z X	X	X'	No. Obs.	Mean No. of Hours with Temperature						Total		
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Rel. Hum.	720696	23660	25.4	1.307	930									
Dry Bulb	6900126	79820	85.8	7.288	930					92.0	88.9	75.8	16.6	93
Wet Bulb	3430800	56396	60.6	3.425	930					2.7	.1			93
Dew Point	1900193	41593	44.7	6.562	930			2.0	.1					93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TIRREJON AF SPAIN/MADRID

58-77

YEARS

AUG
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
104/103																	.1	1	1				
100/99																	.3	3	3				
98/97																.1	.8	8					
96/95																.4	.6	10					
94/93															.4	.5	1.4	22					
92/91									.1						1.2	1.0	1.3	36					
90/89											.1	.3	1.0	1.3	.9	.6	.5	52					
88/87											.1	.4	1.0	1.6	.9	.5	.6	68					
86/85									.1	.9	.9	1.4	2.0	2.8	.5	.4	.1	90					
84/83									.1	.2	.9	1.8	2.8	.5	.4	.1	.1	97					
82/81						.1		.1	1.2	1.2	2.0	2.2	1.9	.4	.2		.1	95					
80/79						.3		.3	1.6	2.0	2.2	1.6	.6	.1			.1	91					
78/77						.1		.3	1.3	1.4	1.8	.6	.3				.1	91					
76/75					.1			.4	1.3	1.0	2.5	1.2	.3	.2			.1	65					
74/73					.4			.3	1.1	1.0	1.4	.8	.1				.1	69					
72/71					.4			.8	1.1	2.4	.5						.1	51	1				
70/69			.1		.4			.6	.9	.9	.2						.1	58	1				
68/67			.3		.8			.4	1.1	.6	.1						.1	36	1				
66/65		.1	.2		.3			.4	.2	.1	.1						.1	38	6				
64/63		.2	.6		.6			.2	.1	.1							.1	18	53				
62/61		.1	.3		.3			.1		.1							.1	14	118				
60/59		.1	.3		.3			.1		.1							.1	4	4	166	7		
58/57																		.1	4	4	183	11	
56/55																					164	18	
54/53																					113	30	
52/51																					88	47	
50/49																					29	47	
48/47																					6	97	
46/45																					1	98	
44/43																					1.2	92	
42/41																						95	
40/39																						85	
38/37																						83	
36/35																						45	
Element (X)	Z X?	2 X		X	° X		No. Obs.		Mean No. of Hours with Temperature								≥ 93 F	≥ 80 F	Total				
Rel. Hum.																							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
 STATION

TURREJUN AP SPAIN/MADRJD
 STATION NAME

08-77
 YEARS

AUG
 MONTH

PAGE 2

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
34/ 33																					26	
32/ 31																					16	
30/ 29																					7	
28/ 27																					3	
26/ 25	.4	2.0	.4	2.0	.4	2.5	1.9	3.1	4.1	6.6	1.6	1.3	1.3	1.3	1.3	1.3	1.3	93.0	93.0		93.0	
TOTAL																						
Element (X)	Σ X ²	Σ X	X	° X	No. Obs.	Mean No. of Hours with Temperature											Total					
Rel. Hum.	1.052585	28557	30.7	13.752	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	6047005	74537	80.3	7.635	930			89.0	75.8	50.1	4.4	93										
Wet Bulb	3259535	54947	59.1	3.757	930			.9	.1			93										
Dew Point	1.895280	41496	44.6	6.863	930		3.0	.2				93										

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

14011 STATION TURREJON AP SPAIN/MADRID
STATION NAME

68-77

YEARS

AUG
MONTH

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

PSYCHROMETRIC SUMMARY

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30					≥31							
90/ 69																	.1	1	1									
88/ 67																	.1	2	2									
86/ 85																	.1	10	10									
84/ 83																	.1	7	7									
82/ 81																	.1	27	27									
80/ 79																	.1	51	51									
78/ 77																	.1	56	56									
76/ 75																	.1	96	96									
74/ 73																	.1	98	98									
72/ 71																	.1	87	87									
70/ 69																	.1	117	117	1								
68/ 67																	.1	108	108	2								
66/ 65																	.1	94	94	19								
64/ 63																	.1	68	68	49								
62/ 61																	.1	46	46	96								
60/ 59																	.1	37	37	14								
58/ 57																	.1	16	16	31								
56/ 55																	.1	7	7	49								
54/ 53																	.1	1	1	69								
52/ 51																	.1	1	1	45								
50/ 49																	.1			66								
48/ 47																	.1			76								
46/ 45																	.1			98								
44/ 43																	.1			83								
42/ 41																	.1			109								
40/ 39																	.1			87								
38/ 37																	.1			66								
36/ 35																	.1			52								
34/ 33																	.1			24								
32/ 31																	.1			23								
30/ 29																	.1			9								
28/ 27																	.1			8								
26/ 25																	.1			2								
24/ 23																	.1			3								
Element (X)	Σ X ²	Σ X	X̄	σ _A	No. Obs.	Mean No. of Hours with Temperature																Σ 80 F	Σ 93 F	Total				
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F																	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TUREJEN AFB, SPAIN/MADRID STATION NAME 68-77 YEARS PAGE 1 ALL MONTH 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.	Wet Bulb	Dew Point	
106/105																	.0	3	3		
104/103																	.1	6	6		
102/101																	.3	10	10		
100/99																	.5	25	25		
98/97																.1	.5	44	44		
96/95																.4	.7	92	92		
94/93																.5	.8	129	129		
92/91																.5	.5	171	171		
90/89																.6	.4	272	272		
88/87																.9	.3	275	275		
86/85																.4	.1	385	385		
84/83																.2	.1	385	385		
82/81																.1	.1	376	376		
80/79																.0	.0	389	389		
78/77																.0	.0	378	378		
76/75																.0	.0	436	436		
74/73																.0	.0	396	396	2	
72/71																.0	.0	407	407	11	
70/69																.1	.1	414	414	31	
68/67																.3	.1	514	514	144	
66/65																.4	.3	467	467	418	
64/63																.1	.1	472	472	723	
62/61																.2	.0	418	418	1006	
60/59																.6	.2	336	336	1058	
58/57																.0	.0	245	245	1073	
56/55																.0	.0	166	166	892	
54/53																.0	.0	122	122	706	
52/51																.0	.0	50	50	532	
50/49																.0	.0	33	33	366	
48/47																.0	.0	17	17	252	
46/45																.0	.0	5	5	118	
44/43																.0	.0	2	2	73	
42/41																.0	.0	26	26	724	
40/39																.0	.0	9	9	528	
Element (X)	Σ X'	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	
Rel. Hum.																					Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

STATION 14011 TURREJON AP SPAIN/MADRID YEARS 68-77 MONTH AUG
 PAGE 2 HOURS (L. S. T.) ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		Dew Point					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	31	D.B./W.B.	Dry Bulb
38/37																				406
36/35																				260
34/33																				151
32/31																				96
30/29																				60
28/27																				33
26/25																				19
24/23																				15
22/21																				3
TOTAL	.2	1.4	3.4	5.6	9.1	9.0	9.9	6.7	0.3	7.6	6.8	6.5	5.6	4.4	3.2	4.1	7440	7440	7440	7440

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	15405625	311664	41.9	7.777	7440							
Dry Bulb	40946103	545631	73.3	11.186	7440			510.7	377.2	229.8	30.9	744
Wet Bulb	24770126	427414	57.4	5.388	7440			18.8	.2			744
Dew Point	16302225	344147	46.3	7.178	7440		22.6	.4				744

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AFM

PSYCHROMETRIC SUMMARY

STATION 1401 TURKKEY AIR SP. IN/MAIDA ID YEARS 68-77 MONTH SEP

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22					23-24	25-26
74/72						.1	.2	.3	.1	.1	.1					8	21	8
72/71						.4	1.1	.6	.1	.1						27	27	21
70/69			.2	.2	.1	.8	.6	.3	.3	.3						52	52	27
68/67			.3	.1	.1	1.3	1.2	.3	.1	.6						55	59	59
66/65	.1	.2	.3	.2	.8	1.3	1.9	.4	.2	.3						83	83	3
64/63		.7	.8	1.3	1.4	2.0	1.6	.4	.3							80	80	10
62/61		.3	1.1	1.7	2.0	2.0	1.4	.3		.1						116	80	30
60/59		1.0	1.8	3.1	2.0	1.6	1.7	.2	.2							114	116	49
58/57	.1	1.6	2.6	2.4	2.7	1.8	.0	.2	.1							96	114	84
56/55		1.4	2.2	2.5	2.6	1.2	.3	.3								81	96	102
54/53	.3	1.0	1.9	2.2	2.3	1.1	.1									57	81	64
52/51	.2	.4	2.0	1.1	1.7	.7	.2									53	57	79
50/49		.9	2.6	.6	1.3	.6										26	53	106
48/47		.2	.9	.6	.6	.6										10	26	88
46/45		.1	.2	.7	.1											11	10	61
44/43		.4	.3	.2	.2											4	11	79
42/41			.1	.2	.1											4	4	58
40/39				.1												1	1	64
38/37																		53
36/35																		5
34/33																		1
32/31																		
30/29																		
28/27																		
26/25																		
24/23																		
TOTAL	.8	9.2	17.4	17.6	21.5	16.0	11.0	3.1	1.6	1.1	.1					899	899	899
Element (X)	Z _X ²	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature						TOTAL						
Rel. Hum.	3780597	56577	62.2	5.653	899	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total						
Dry Bulb	3111162	52570	58.5	6.425	899			10.8				90						
Wet Bulb	2405473	46225	51.4	5.650	899							90						
Dew Point	1881899	40539	45.1	7.744	899		6.3					90						

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AP SPAIN/MADRID STATION NAME 68-77 YEARS PAGE 1 0300-0500 SEP MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
70/ 69			.1	.2	.2	.2	.1	.1										3	3		
68/ 67			.1	.2	.3	.3	.1	.1										13	13		
66/ 65	.1	.6	1.1	1.3	1.6	1.6	.7	.1										20	20	6	4
64/ 63	.1	.6	1.1	1.3	1.6	1.6	.7	.1										64	64	6	4
62/ 61	.1	.6	1.1	1.3	1.6	1.6	.7	.1										59	59	18	5
60/ 59	.1	.6	1.1	1.3	1.6	1.6	.7	.1										92	92	17	6
58/ 57	.2	1.7	2.0	2.1	2.7	2.7	.8	.7										105	105	54	22
56/ 55	.2	1.2	3.9	4.7	2.0	1.1	.7	.1										125	125	62	40
54/ 53	.2	2.6	3.3	3.6	2.0	.3	.2											113	113	102	35
52/ 51	.2	2.0	2.8	1.0	1.7													69	69	146	48
50/ 49		1.8	4.6	2.1	1.4	.1	.1											93	93	114	111
48/ 47		1.9	2.6	1.7	1.1	.4												71	71	115	90
46/ 45		1.3	.7	.9	.3	.1												30	30	109	102
44/ 43		.1	.6	.4	.2													13	13	64	114
42/ 41		.7	1.1	.7	.3													25	25	34	86
40/ 39			.2	.1														3	3	24	55
38/ 37			.1	.1														2	2	22	57
36/ 35																				9	36
34/ 33																				3	34
32/ 31																				1	18
30/ 29																					13
28/ 27																					11
26/ 25																					8
24/ 23																					5
TOTAL	.915	.97	.023	.819	.3	0.0	3.2	.8	.3									900	900	900	900

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature				Total
						≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4529782	62000	69.6	13.976	900					
Dry Bulb	2720682	49274	54.7	5.965	900	1.6				90
Wet Bulb	2220417	44499	49.4	5.605	900	.1				90
Dew Point	1820064	40226	44.5	7.305	900	5.5				90

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURKENTIN AP SPAIN/MADRID

YEARS 68-77

SEP MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL Wet Bulb	TOTAL Dew Point				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22				23-24	25-26	27-28	29-30
72/ 71					.3	.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	7	7	
70/ 69					.3	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	20	20	
68/ 67			.1	.6	1.1	1.0	.6	.4	.1	.1	.1	.1	.1	.1	.1	.1	35	35	
66/ 65		.1	.6	.7	.6	1.1	.6	.3	.1	.1	.1	.1	.1	.1	.1	.1	35	35	
64/ 63	.1	.4	.7	1.2	1.6	2.4	.8	.6	.2	.1	.1	.1	.1	.1	.1	.1	69	69	6
62/ 61	.3	1.0	2.1	1.8	2.0	2.6	.6	.3	.1	.1	.1	.1	.1	.1	.1	.1	97	97	30
60/ 59	.1	.9	2.7	2.7	2.2	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	90	90	34
58/ 57	.1	.9	2.3	3.3	1.9	1.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	90	90	76
56/ 55	.3	2.3	3.2	2.9	2.4	1.1	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	116	116	90
54/ 53	.3	2.4	3.6	2.9	1.7	.9	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	108	108	133
52/ 51	.2	.6	3.1	1.2	1.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	57	57	76
50/ 49	.2	2.0	4.2	1.4	.8	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	77	77	90
48/ 47		1.9	2.1	.9	1.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	54	54	110
46/ 45		.7	.7	.6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	18	18	90
44/ 43		.1	.3	.4	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	10	10	42
42/ 41		.2	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	6	6	25
40/ 39		.1	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	6	6	19
38/ 37			.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	4	4	9
36/ 35																			6
34/ 33																			1
32/ 31																			2
30/ 29																			7
28/ 27																			1
26/ 25																			7
24/ 23																			8
22/ 21																			8
TOTAL	1.4	14.0	76.6	1.1	17.2	12.2	5.2	1.3	.7	.2							900	900	900

Element (X)	Σ X ²	Σ X	X	S _x	No. Obs.	Mean No. of Hours with Temperature
Rel. Hum.	4452443	61273	68.9	4.347	900	≥ 80 F
Dry Bulb	2914939	50895	56.6	6.400	900	≥ 73 F
Wet Bulb	2358951	45801	50.9	5.595	900	≥ 63 F
Dew Point	1937436	41276	45.9	7.030	900	≥ 32 F
						≥ 0 F
						≥ 6.3
						≥ 2
						≥ 4.1
						Total
						90
						90
						90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 TUREJON AB SPAIN/MADRID
STATION NAME

08-77

YEARS

SEP
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
88/ 67																	1	1		
86/ 65													.1				1	1		
84/ 83									.1			.2	.1				5	5		
82/ 81									.7		.4	.6					21	21		
80/ 79									1.0		.7	.2	.1				32	32		
78/ 77									1.4		.1	.1					34	34		
76/ 75									1.6		.2	.2					60	60		
74/ 73									2.0		.6	.1					77	77		
72/ 71									2.2		.4	.1					87	87		
70/ 69									1.7		.2	.1					92	92		
68/ 67									1.9		.2	.3					116	116		
66/ 65									2.0		.2	.2					93	93		31
64/ 63									1.8		.4	.4					73	73		2
62/ 61									2.1		.6	.2					88	88		70
60/ 59									1.4		.2	.2					52	52		127
58/ 57									.6		.2	.2					31	31		145
56/ 55									.2		.1	.1					14	14		148
54/ 53									.3		.6	.3					14	14		119
52/ 51									.2		.2	.2					3	3		101
50/ 49									.3		.2	.2					4	4		67
48/ 47									.2		.2	.2					2	2		39
46/ 45									.2		.2	.2					2	2		35
44/ 43									.2		.2	.2					4	4		12
42/ 41									.2		.2	.2					4	4		4
40/ 39									.2		.2	.2					1	1		1
38/ 37									.2		.2	.2					38	38		68
36/ 35									.2		.2	.2					26	26		38
34/ 33									.2		.2	.2					22	22		26
32/ 31									.2		.2	.2					14	14		22
30/ 29									.2		.2	.2					7	7		14
TOTAL																	900	900		900

Element (X)	ΣX	ΣX ²	ΣX	X̄	s ²	No. Obs.	Mean No. of Hours with Temperature					
							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	Total
Rel. Hum.	2667369	47115	52.4	14.949	900							
Dry Bulb	4193261	61133	67.9	6.734	900							90
Wet Bulb	294788	51290	57.0	4.696	900							90
Dew Point	2182823	43923	48.8	6.606	900							90

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJA AB SPAIN/MADRID STATION NAME YEARS 8-77 PAGE 1 1200-1400 MONTH SEP 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	Dry Bulb	Wet Bulb	Dew Point								
94/93																.1	.1	2	2										
92/91																.4	.3	11	11										
90/89											.3	.1	.7	.7	.3	.2	.2	27	27										
88/87												.2	.4	1.3	.4	.3	.2	28	28										
86/85											.2	.4	.9	.4	.4	.1	.1	44	44										
84/83											.3	1.3	1.0	1.0	.6	.3	.1	53	53										
82/81											.6	2.1	1.1	.3	.2	.1	.1	76	76										
80/79											.9	2.4	1.1	.7	.4	.1	.1	82	82										
78/77											1.6	2.4	1.1	.4	.1	.1	.1	96	96										
75/75				.1						.1	1.7	1.3	1.6	.2	.1	.1	.1	105	105										
74/73				.1	.7					.2	1.0	1.4	2.3	.1	.1	.1	.1	84	84										
72/71										.1	1.1	1.7	1.1	1.0	.2	.2	.2	61	61		1								
70/69				.1	.3					.3	1.4	1.0	1.2	1.2	.1	.1	.1	54	54		1								
68/67				.1	.3					.1	1.0	1.4	1.1	1.1	.8	.2	.2	69	69		12								
66/65				.2	.2					.9	.9	1.0	.7	.6	.2	.2	.2	42	42		67								
64/63				.3	.3					1.0	.2	.4	.7	.3	.2	.2	.2	23	23		122								
62/61	.1	.1	.1	.2	.2	.2	.4	.1		.2	.4	.1	.3				.1	17	17		151								
60/59	.2	.1	.2	.1	.2	.3	.3	.1		.2	.3						.2	8	8		156								
58/57		.2	.2	.1	.1	.1				.1							.1	4	4		134								
56/55	.4	.4	.1	.2	.2	.2	.2	.2		.2	.2						.2	9	9		102								
54/53			.2	.1	.2	.2	.2	.2		.2	.2						.2	4	4		63								
52/51				.1	.2	.2	.2	.2		.2	.2						.2	1	1		53								
50/49																					19								
48/47																					18								
46/45																					1								
44/43																					84								
42/41																					71								
40/39																					56								
38/37																					56								
36/35																					46								
34/33																					29								
32/31																					9								
30/29																					22								
28/27																					5								
Element (X)	Σ X																Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X		
Rel. Hum.	Mean No. of Hours with Temperature																≥ 80 F	≥ 73 F	≥ 67 F	≥ 93 F	Total								
Dry Bulb																													
Wet Bulb																													
Dew Point																													

DATA PROCESSING BRANCH
 USAF AFAC
 AIR WEATHER SERVICE / AF

PSYCHROMETRIC SUMMARY

STATION 14011 STATION NAME TURKEYMAN AP SPAIN/IAADKID YEARS 68-77 MONTH SEP
 PAGE 1 1500-1700
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dew Point
96/55																	2	2	2
94/53																	1.1	14	14
92/51																	1.4	25	25
90/49																	1.7	35	35
88/47																	1.9	37	37
86/45																	2.1	47	47
84/43																	2.3	68	68
82/41																	2.5	86	86
80/39																	2.7	114	114
78/37																	2.9	101	101
76/35																	3.1	77	77
74/33																	3.3	53	53
72/31																	3.5	28	28
70/29																	3.7	57	57
68/27																	3.9	39	39
66/25																	4.1	34	34
64/23																	4.3	34	34
62/21																	4.5	21	21
60/19																	4.7	16	16
58/17																	4.9	6	6
56/15																	5.1	2	2
54/13																	5.3	4	4
52/11																	5.5	56	56
50/9																	5.7	30	30
48/7																	5.9	6	6
46/5																	6.1	7	7
44/3																	6.3	84	84
42/1																	6.5	104	104
40/39																	6.7	58	58
38/37																	6.9	46	46
36/35																	7.1	58	58
34/33																	7.3	25	25
32/31																	7.5	15	15
30/29																	7.7	8	8

Element (X) Zx X % No. Obs. Mean No. of Hours with Temperature
 Rel. Hum. ≥ 80 F ≥ 73 F ≥ 67 F ≥ 32 F ≥ 0 F Total
 Dry Bulb
 Wet Bulb
 Dew Point

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

14011 STATION TURREJOY AB SPAIN/MADRID
 STATION NAME

YEARS 68-77

SEP
 MONTH

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

PSYCHROMETRIC SUMMARY

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dry Bulb	Dew Point
28/27																				4	
26/25																				7	
24/23	.2	.9	2.9	2.2	2.3	3.5	4.7	5.8	8.7	10.0	3.7	4.0	10.3	6.8	5.3	4.0	4.3	900	900	900	900
TOTAL																	900			900	
Element (X)	ΣX^2	ΣX												No. Obs.	Mean No. of Hours with Temperature				Total		
Rel. Hum.	1291770	30690												900	≥ 67 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb	5411807	77.1												900	78.3	65.9	37.5	1.6	90		
Wet Bulb	3044200	58.0												900	.4				90		
Dew Point	1831217	44.5												900	4.0				90		

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAF

PSYCHROMETRIC SUMMARY

STATION 14017 TURKEYIN AB SPAIN/MADRID YEARS 68-77 MONTH SEP
 PAGE 1 1800-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	T. TAL D.B./W.B.	Dry Bulb	Wet Bulb
92/ 41																.3	4	4		
90/ 39																.6	14	14		
88/ 37																.3	7	7		
86/ 35											.3	.2	.4	.6	.4	.2	14	14		
84/ 33									.1	.1	.9	.3	.3	.4	.2	.1	18	18		
82/ 31								.1	.3	.1	1.3	.7	.3	.2	.1	.3	37	37		
80/ 29								.1	.3	.1	1.0	.9	.3	.2	.1	.3	46	46		
78/ 27								.1	.3	.1	1.0	.9	.4	.1	.1	.3	40	40		
76/ 25								.6	.6	1.6	1.9	2.3	.9	.7	.1	.1	76	76		
74/ 23								.8	1.1	2.4	1.4	1.7	.9	.1	.1	.1	79	79		
72/ 21							.1	1.3	2.0	1.7	1.8	.6	.4				77	77		
70/ 19							.1	1.1	1.7	2.4	1.9	.3	.1				88	88		
68/ 17							.4	.4	2.3	2.4	.8	.1					111	111		
66/ 15							.3	.1	1.2	2.0	.8	.4					64	64		
64/ 13	.1	.4	.6	.8	.7	.6	.3	.7	2.1	.7	1.1	.2	.2				67	67		11
62/ 11	.3	.3	.2	1.0	.4	.6	.4	.6	.4	.6	.2	.1					38	38		29
60/ 9	.9	1.0	1.0	1.0	1.1	.9	.7	.4	.2	.2							56	56		4
58/ 7	.1	.7	.3	.4	.7	.3	.2	.2									25	25		6
56/ 5	.3	.3	.2	.2	.2	.2	.1	.1									11	11		10
54/ 3	.2	.3	.7	.1	.3	.2	.1	.1									17	17		29
52/ 1	.2	.2	.1	.1	.2	.1	.1	.1									5	5		25
50/ 49	.3	.3	.3	.3	.2	.1	.1	.1									5	5		44
48/ 47																	1	1		64
46/ 45																	5	5		89
44/ 43																	1	1		104
42/ 41																				35
40/ 39																				17
38/ 37																				6
36/ 35																				93
34/ 33																				74
32/ 31																				3
30/ 29																				1
28/ 27																				58
26/ 25																				33
24/ 23																				21
22/ 21																				12
20/ 19																				6
18/ 17																				6

Element (X)	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							

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/ IAC

PSYCHROMETRIC SUMMARY

14011
 STATION

TURKEY AT SPAIN/MADRID
 STATION NAME

68-77
 YEARS

SEP
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	± 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 61												.1						1	1		
80/ 79																		3	3		
78/ 77								.1	.1	.2	.1	.1						5	5		
76/ 75								.2	.4	.9	.4	.2	.1					12	12		
74/ 73					.2	.1	.2	.9	1.2	1.6	.4	.2	.1					34	34		
72/ 71				.1	.1	.2	.9	1.2	1.6	.4	.4	.1						46	46		
70/ 69			.2	.1	.3	.6	1.3	1.2	1.6	.2	.1	.1						50	50		
68/ 67			.2	.1	1.3	1.3	1.3	1.3	2.1	.6	.4							83	83		
66/ 65	.1	.1	.3	.9	.8	1.6	2.1	1.2	1.0	.1								70	70	6	4
64/ 63	.1	.1	.4	1.7	2.1	2.3	3.7	1.3	.8	.3								116	116	10	10
62/ 61	.1	.3	1.3	1.6	2.2	2.7	2.2	1.6	.6	.1								114	114	27	5
60/ 59	.1	1.1	2.1	1.4	2.8	2.2	2.6	1.0	.6									124	124	54	9
58/ 57	.3	1.3	1.6	.9	1.9	1.3	1.1	.6										81	81	110	19
56/ 55	.1	.8	1.1	1.2	1.6	1.1	.9	.3										64	64	131	38
54/ 53		.2	1.0	.9	.4	.4	.3											30	30	126	60
52/ 51		.4	1.1	.7	.4	.2	.1											27	27	131	54
50/ 49		.3	.7	1.0	.3	.2												23	23	119	86
48/ 47		.1	.3	.2	.2	.2												10	10	84	68
46/ 45		.1		.1	.1	.2												4	4	50	102
44/ 43					.3													3	3	30	90
42/ 41																				14	102
40/ 39																				2	73
38/ 37																				3	50
36/ 35																				3	42
34/ 33																					35
32/ 31																					19
30/ 29																					15
28/ 27																					11
26/ 25																					11
24/ 23																					6
22/ 21	.7	5.0	10.2	10.4	15.1	14.8	17.1	11.6	9.7	2.4	2.2	.7	.1					900	900		1
TOTAL																		900	900	900	900
Element (X)	Z X'	Z X	X	%	No. Obs.	Mean No. of Hours with Temperature											Total				
Rel. Hum.	2913272	48846	54.3	17.079	900	± 0 F	± 73 F	± 80 F	± 93 F												90
Dry Bulb	3519403	55973	62.2	6.529	900	23.4	5.5	.1												90	
Wet Bulb	2511049	47325	52.6	5.008	900	6.3												90			
Dew Point	1812102	39790	44.2	7.674	900												90				

DATA PROCESSING CENTER
USAF FTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURRETON 3 SPAIN/MADRID YEARS 68-77 PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL Wet Bulb	D.w Point													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.			Dry Bulb												
96/95																.0	.0	2															
94/93																.1	.2	16	15														
92/91															.2	.1	40	40															
90/89														.2	.2	76	76																
88/87														.2	.1	73	73																
86/85														.3	.0	106	106																
84/83														.4	.1	144	134																
82/81														.5	.0	221	221																
80/79														.5	.1	277	277																
78/77														.6	.1	276	276																
76/75														.6	.2	330	330																
74/73														.7	.0	335	335																
72/71														.8	.1	327	327																
70/69														.8	.3	391	391																
68/67														.9	.1	519	16																
66/65														.9	.4	417	150																
64/63														.9	.4	529	31																
62/61														.9	.5	514	605																
60/59														.9	.5	554	767																
58/57														.9	.6	456	944																
56/55														.9	.6	437	858																
54/53														.9	.7	371	844																
52/51														.9	.7	219	797																
50/49														.9	.8	255	584																
48/47														.9	.8	162	516																
46/45														.9	.9	64	347																
44/43														.9	.9	37	187																
42/41														.9	.9	35	104																
40/39														.9	.9	10	68																
38/37														.9	.9	6	42																
36/35														.9	.9		23																
34/33														.9	.9		5																
32/31														.9	.9		151																
30/29														.9	.9		3																
Element (X)																																	
Rel. Hum.																																	
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	
																	Mean No. of Hours with Temperature				Total												
																	≥ 80 F	≥ 73 F	≥ 67 F	≥ 32 F	≥ 0 F												Total

DATA PROCESSING BRANCH
 USAF HTAC
 AIR WEATHER SERVICE/11AC

PSYCHROMETRIC SUMMARY

STATION 14011 TURREJON AR SPAIN/MADRID STATION NAME YEARS 58-77 MONTH SEP PAGE 2 HOURS (L. S. T.) 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.	Wet Bulb	Dew Point	
28/ 27																				52	
26/ 25																				43	
24/ 23																				30	
22/ 21																				4	
20/ 19	6.4	1.8	1.2	1.2	2.2	1.0	1.0	7.7	7.4	5.7	4.7	4.3	2.4	1.8	1.3	.8	.6	7199	7199	7199	
TOTAL																					
Element (X)	Zx ¹	Zx ²	Zx ³	Zx ⁴	Zx ⁵	Zx ⁶	Zx ⁷	Zx ⁸	Zx ⁹	Zx ¹⁰	Zx ¹¹	Zx ¹²	Zx ¹³	Zx ¹⁴	Zx ¹⁵	Zx ¹⁶	Zx ¹⁷	Zx ¹⁸	Zx ¹⁹	Zx ²⁰	
Rel. Hum.	23136642	381798	52.0	20.031	7199																
Dry Bulb	31538555	470219	65.3	10.707	7199																
Wet Bulb	21432046	390406	54.2	6.011	7199																
Dew Point	15353670	328108	45.6	7.450	7199																
																		Mean No. of Hours with Temperature			Total
																		= 32 F	= 33 F	= 34 F	
																		313.3	189.6	78.2	1.5
																		1.0			
																		35.3			

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURRENTON AB SPAIN/MADRID STATION NAME 08-77 YEARS OCT MONTH
PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL		Dew Point					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		31	D.B./W.B.	Dry Bulb	D.B./W.B.	Wet Bulb
68/ 67				.1		.1											2	2			2	4
66/ 65			.2			.1											4	4			4	4
64/ 63		.3	.5	.5	.2	.1											19	19			19	19
62/ 61		.4	1.1	1.3	.6	.1											34	34			34	34
60/ 59	.1	1.2	1.4	1.2	.5	.4											47	47			47	47
58/ 57	1.2	2.3	1.8	1.7	.4	.5	.3										80	80			80	80
56/ 55	1.0	2.3	1.9	2.5	1.3	.4	.3										90	90			90	90
54/ 53	1.0	4.3	1.6	1.7	1.1	.6	.5										102	102			102	102
52/ 51	1.2	2.3	1.5	2.2	1.5	.3	.2										85	85			85	85
50/ 49	1.3	3.1	4.0	2.7	2.3	1.3											142	142			142	142
48/ 47	.0	3.0	3.7	1.2	1.5	.3											97	97			97	97
46/ 45	.0	4.5	1.3	1.4	.4												78	78			78	78
44/ 43	.3	2.7	.5	1.4	.2	.1											49	49			49	49
42/ 41	.2	2.3	.6	.4	.5												39	39			39	39
40/ 39		.9	1.1	.8	.5												30	30			30	30
38/ 37		.6	.5	.4	.1												16	16			16	16
36/ 35		.1	.4	.5													10	10			10	10
34/ 33		.2	.1	.1													4	4			4	4
32/ 31	.1	.1															2	2			2	2
30/ 29																						
28/ 27																						
26/ 25																						
24/ 23																						
22/ 21																						
20/ 19																						
TOTAL	7.0	30.8	23.1	20.1	11.3	4.5	1.9	.4									930	930			930	930

Element (X)	Σ X ²	Σ X	X̄	Σ X̄	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F		= 93 F
Rel. Hum.	5528710	70214	75.5	15.653	930							
Dry Bulb	2434735	47203	50.8	6.471	930				.2			93
Wet Bulb	2081038	43570	46.8	6.546	930				1.8			93
Dew Point	1768161	39769	42.8	8.527	930				12.1			93

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME

68-77 YEARS

OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B. Dry Bulb Wet Bulbs Dew Point	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24			25-26	27-28
64/ 63		.3	.2	.4					.1								6
62/ 61		.2	.9	.4					.1								15
60/ 59	.1	.9	.8	1.0	.4	.1	.1										31
58/ 57	.5	1.8	1.9	.9	.6	.2	.2										59
56/ 55	2.2	3.0	1.8	.8	1.0	.1	.1										79
54/ 53	.8	4.0	1.7	1.4	.6	.2	.2										81
52/ 51	.5	1.9	2.7	.5	.3												56
50/ 49	1.4	2.7	4.1	1.2	1.1	.6											103
48/ 47	1.5	3.8	3.0	2.0	1.5	.4											114
46/ 45	1.9	4.0	1.7	1.8	.3	.1											92
44/ 43	.9	4.4	1.6	2.5	.4												91
42/ 41	.5	4.9	2.0	.6	.3												79
40/ 39	.2	2.4	1.8	.2	.1												43
38/ 37		2.2	1.7	.3	.1												40
36/ 35		.6	.9	.2													16
34/ 33		.4	.8	.1													12
32/ 31		.3	.2														5
30/ 29		.3	.3														6
28/ 27	.1																1
26/ 25	.1																1
24/ 23																	
22/ 21																	
20/ 19																	
TOTAL	10.838	227.81	4.0	5.9	1.5	.6	.1	.1									930
Element (X)	Zx ²	Zx	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature											
Ref. Hum.	6007326	73570	79.1	14.202	930	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	2188903	44669	48.0	6.835	930	1.3					93						
Wet Bulb	1922751	41797	44.9	6.903	930	3.7					93						
Dew Point	1668412	38588	41.5	8.511	930	15.6					93						

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJTN AB SPAIN/MADRID

68-77

YEARS

1 OCT

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
68/67				.2														2	2				
66/65																		2	2				
64/63		.1	.3	.1	.1	.1												7	7				
62/61		.1	1.0	.3	.1	.4	.1	.2										20	20	1			
60/59	.3	1.0	1.1	.6	.3	.1	.2											29	29	9	1		
58/57		2.7	1.3	.9	.5	.3	.2											58	58	31	11		
56/55	1.2	4.4	1.3	1.1	1.4	.3	.2											92	92	59	33		
54/53	.8	3.7	1.6	1.2	.6	.8	.3											84	84	70	57		
52/51	1.1	1.8	2.6	1.3	.8	.3												73	73	65	65		
50/49	1.2	3.9	4.0	1.4	.9	.2												107	107	74	73		
48/47	1.4	2.9	4.3	1.1	.6	.4												100	100	108	64		
46/45	1.5	3.9	2.7	1.6	.6													97	97	99	76		
44/43	.4	3.7	1.6	1.3	.4													69	69	98	77		
42/41	.4	3.2	1.6	.2	.3													54	54	80	65		
40/39	.3	2.6	1.4	.6	.1													46	46	69	77		
38/37	.2	2.5	1.6	.6	.1													47	47	62	76		
36/35	.1	.9	.4	.1														14	14	39	72		
34/33		.5	.6															11	11	30	58		
32/31	.1	.4	.4															9	9	14	54		
30/29	.3	.3	.2															5	5	14	33		
28/27	.1	.1																2	2	4	18		
26/25																		1	1	2	19		
24/23		.1																			1	1	
22/21																						5	5
20/19																						2	2
TOTAL	9.1	88.8	28.1	12.7	7.1	2.9	1.0	.3										929	930		929		

Element (X)	ΣX ²	ΣX	X̄	σ _x	Mean No. of Hours with Temperature							No. Obs.	Total
					≥ 32 F	≥ 30 F	≥ 27 F	≥ 23 F	≥ 18 F	≥ 14 F	≥ 9 F		
Rel. Hum.	5996550	73444	79.1	14.3								929	929
Dry Bulb	2234074	45088	46.5	7.1	1.7	.2						930	93
Wet Bulb	1952208	42066	45.3	7.0	3.5							929	93
Dew Point	1094709	38905	41.9	6.3	14.4							929	93

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AR SPAIN/MADRID STATION NAME YEARS 68-77 MONTH OCT
 PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.P.	Dry Bulb	Wet Bulb	Dew Point
78/ 77								.1	.1	.2	.1	.1	.1	.1	.1	.1		6	6		
76/ 75								.2	.1	.2	.1	.1	.1	.1	.1	.1		6	6		
74/ 73							.3	.2	.1	.3	.3	.3	.3	.3	.3	.3		15	15		
72/ 71							.4	.3	.2	.4	.4	.4	.4	.4	.4	.4		17	17		
70/ 69			.1	.1	.1	.1	.2	.1	.4	.4	.4	.4	.4	.4	.4	.4		20	20		
68/ 67			.3	.3	.3	.3	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5		49	49		
66/ 65			.2	.2	.2	.2	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9		70	70		1
64/ 63			.3	.3	.3	.3	3.0	1.4	.4	.1	.1	.1	.1	.1	.1	.1		89	89		1
62/ 61	.1	.4	2.6	2.0	2.0	2.0	2.0	2.0	.1	.1	.1	.1	.1	.1	.1	.1		91	91		2
60/ 59		1.6	2.3	2.6	2.4	2.6	.9	.5									121	121		45	
58/ 57	.1	1.3	2.0	2.5	2.2	1.1	.8	.4									101	102		33	
56/ 55	.8	1.6	1.9	1.4	2.2	1.9	.4	.1									96	96		59	
54/ 53	.2	1.2	2.2	2.0	2.2	.6	.8	.1									86	86		84	
52/ 51	.1	.8	1.7	1.1	.8	.4	.2	.1									47	47		70	
50/ 49		.5	1.6	1.4	.2	.8	.2	.1									44	44		92	
48/ 47		.5	2.2	.3	.8	.3	.2	.1									38	38		82	
46/ 45		.8	.3	.4	.2	.4	.2	.1									16	16		78	
44/ 43		.1	.4	.3	.2	.3	.2	.1									10	10		80	
42/ 41		.1	.2	.2	.1	.1	.1	.1									5	5		19	
40/ 39			.1	.1	.1	.1	.1	.1									1	1		25	
38/ 37			.1	.1	.1	.1	.1	.1									1	1		9	
36/ 35																				1	30
34/ 33																				2	26
32/ 31																					14
30/ 29																					18
28/ 27																					16
26/ 25																					7
24/ 23																					6
TOTAL	1.3	9.5	10.2	18.7	17.2	16.1	9.6	4.2	2.8	1.4	.5	.3	.1				929	930		929	

USAFETAC
 FORM 0-26-5 (OL A)
 JUL 68

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJIN AB SPAIN/MADRID YEARS 68-77 MONTH OCT
 PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Wet Bulb
86/ 85												.1	.1	.2	.1	.1	4	4	
84/ 83												.2	.3	.1	.1	.1	12	12	
82/ 81								.3	.3	.1	.6	.2	.5	.1			21	21	
80/ 79								.3	.3	.1	.5	.2	.4	.2			19	19	
78/ 77							.1	.5	.3	.4	.5	.6	.4				28	28	
76/ 75							.6	1.1	1.1	.9	1.5	.3					41	41	
74/ 73						.2	.6	.5	1.6	.8	.4	.2					41	41	
72/ 71					.1	.9	1.9	1.7	.5	.9	.3						59	59	
70/ 69					1.0	1.0	2.7	1.6	1.9	.9	.2						86	86	
68/ 67				.2	2.6	3.2	2.9	1.6	1.6	.8	.2					122	122		
66/ 65	.3	.5	1.1	1.4	2.2	2.0	1.9	1.7	.3	.3	.1					103	103	13	
64/ 63	.9	.9	1.2	1.8	2.0	2.5	2.0	.6	.5							96	96	24	
62/ 61	1.1	1.0	1.7	1.3	1.7	1.4	1.0	.8	.3							81	81	53	
60/ 59	.6	1.1	.8	1.2	1.2	.5	1.4	.6								62	62	120	
58/ 57	.2	.5	.5	1.0	1.0	.8	.3	.8	.3							51	51	149	
56/ 55	.4	1.0	.3	.4	1.5	.5	.2	.9								49	49	156	
54/ 53	.1	1.1	.2	.4	.6	.2	.3	.2								28	28	129	
52/ 51	.1	.2	.2	.4	.2	.6	.1									19	19	93	
50/ 49	.1	.2	.3	.4	.2	.6	.1									7	7	62	
48/ 47	.1	.1														1	1	62	
46/ 45																			75
44/ 43																			31
42/ 41																			21
40/ 39																			16
38/ 37																			1
36/ 35																			60
34/ 33																			29
32/ 31																			23
30/ 29																			17
28/ 27																			13
26/ 25																			16
24/ 23																			13
TOTAL	.9	2.8	5.8	6.7	14.1	15.7	16.7	11.8	10.3	5.8	4.2	2.4	1.2	1.1	.4	.2	930	930	930
Element (X)	ΣX ²	ΣX	X	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	No. Obs.	Mean No. of Hours with Temperature					Total			
Rel. Hum.	2612200	46698	50.2	16.964	930					930	≥ 80 F	≥ 73 F	≥ 67 F	≥ 60 F	≥ 53 F	Total			
Dry Bulb	4092706	61310	65.9	7.399	930					930	4.1	16.6	43.3			93			
Wet Bulb	2795116	50766	54.6	5.077	930					930						93			
Dew Point	1970798	42192	45.4	7.808	930					930			6.4			93			

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID YEARS 68-77 MONTH OCT
 PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
86/ 85									.1	.1	.1	.2	.2	.1	.2	.3	10	10		
84/ 83									.1	.1	.1	.2	.2	.2	.2	.4	17	17		
82/ 81									.6	.5	.5	.9	.6	.3	.3		28	28		
80/ 79								.4	.3	.5	.4	.6	.2	.1			24	24		
78/ 77								.1	.6	1.0	1.2	.5	.1	.1			34	34		
76/ 75								.2	1.0	1.2	.5	.4	.1				35	35		
74/ 73							.6	1.0	.3	2.2	.4	.1					62	62		
72/ 71							.8	1.4	.9	1.4	.1	.1					64	64		
70/ 69					.1		1.2	1.5	.8	1.5	.3	.1					73	73		1
68/ 67					.5		1.7	1.5	.8	1.5	.1	.2					94	94		3
66/ 65		.3			1.0		1.7	1.8	.5	1.8	.2						93	93		28
64/ 63		.6			.9		1.0	1.8	.1	1.5	.3						78	78		52
62/ 61		.2			.6		1.0	1.6	.2	1.8	.6	.3					72	72		104
60/ 59		.1			.9		1.0	1.3	.3	1.4	.1	.3					51	51		131
58/ 57		.1			.5		.8	1.0	.3	1.0	.3	.5					36	36		167
56/ 55		.1			.2		.8	1.1	.1	.6	.1	.1					34	34		130
54/ 53		.4			.8		.9	.9	.3	.3	.5						16	16		71
52/ 51		.4			.2		.6	.1	.1	.1							6	6		51
50/ 49		.1			.1		.1	.1	.1	.1							8	8		88
48/ 47		.2			.4		.1	.1	.1	.1							2	2		59
46/ 45		.2																		82
44/ 43																				34
42/ 41																				30
40/ 39																				11
38/ 37																				5
36/ 35																				1
34/ 33																				
32/ 31																				
30/ 29																				
28/ 27																				
26/ 25																				
24/ 23																				
22/ 21																				
20/ 19																				
Element (X)	Σ X'	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature											Total			
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
 STATION

TURREJON AB SPAIN/MADRID
 STATION NAME

68-77
 YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		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.	
80/ 79							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		5	5
78/ 77							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		2	2
76/ 75							.3	.3	.3	.3	.3	.3	.3	.3	.3	.3		7	7
74/ 73							.5	.5	.5	.5	.5	.5	.5	.5	.5	.5		10	10
72/ 71							.8	.8	.8	.8	.8	.8	.8	.8	.8	.8		24	24
70/ 69							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		21	21
68/ 67							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		62	62
66/ 65							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		61	61
64/ 63							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		72	72
62/ 61							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		109	109
60/ 59							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		79	79
58/ 57							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		105	105
56/ 55							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		109	109
54/ 53							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		90	90
52/ 51							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		60	60
50/ 49							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		51	51
48/ 47							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		25	25
46/ 45							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		21	21
44/ 43							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		7	7
42/ 41							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		6	6
40/ 39							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		2	2
38/ 37							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
36/ 35							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
34/ 33							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
32/ 31							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
30/ 29							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
28/ 27							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
26/ 25							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
24/ 23							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
22/ 21							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
20/ 19							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
18/ 17							1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1	1
TOTAL	1.31	1.41	1.21	1.53	1.40	1.19	1.33	1.13	1.01	1.13	1.03	1.03	1.03	1.03	1.03	1.03	930	930	930

Element (X)	Σ X		Σ X ²		No. Obs.	Mean No. of Hours with Temperature					Total
	Σ X	X	Σ X ²	X ²		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	
Rel. Hum.	3842235	57117	61.4	18.971	930						
Dry Bulb	3241084	54510	58.6	7.044	930						13.1
Wet Bulb	2446840	47416	51.0	5.620	930						2.4
Dew Point	1867714	40938	44.0	8.406	930						9.9

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AR SPAIN/MADRID STATION NAME 68-77 YEARS DCT MONTH
 PAGE 1 2100-2300 HOURS (L. S. T.)

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.	≥ 80 F
72/ 71					.1	.1	.1	.2	.1								1	1		
70/ 69					.1	.2	.2	.2	.2	.1							5	5		
68/ 67				.1	.2	.2	.2	.2	.2	.1							11	11		
66/ 65				.8	.1	.1	.1	.1	.1								15	15		
64/ 63		.2	.4	.6	.6	.6	.6	.6	.6	.1							38	38	2	
62/ 61		.4	1.7	.9	1.1	1.1	.8	.8	.1								55	55	6	
60/ 59	.1	1.8	1.9	1.4	1.8	1.4	.4	.8									82	82	8	
58/ 57	1.2	2.2	1.5	1.6	2.2	1.0	.6	.3									98	98	22	
56/ 55	.3	3.0	2.4	1.3	1.9	1.4	.9	.3									107	107	30	
54/ 53	.6	3.1	4.1	2.5	2.0	1.5	.2	.3									134	134	57	
52/ 51	.3	1.4	3.3	.6	1.3	.8	.3										75	75	96	
50/ 49	.3	2.4	3.8	1.7	1.9	.8											101	101	80	
48/ 47	.3	1.8	2.8	.6	.9	.4	.1										65	65	74	
46/ 45	.1	3.3	.4	1.2	.4	.2											53	53	80	
44/ 43		1.9	.3	.9	.8												36	36	90	
42/ 41		1.0	.8	.5	.9												29	29	93	
40/ 39		.2	.5	.1	.3												11	11	67	
38/ 37		.3	.5	.5													8	8	43	
36/ 35		.4															4	4	52	
34/ 33		.1															1	1	42	
32/ 31																			5	39
30/ 29																				30
28/ 27																				19
26/ 25																				6
24/ 23																				18
22/ 21																				7
20/ 19																				1
TOTAL	3.323	72.7	4.015	4.7	9.0	3.4	3.3	.8	.3								929	930	929	

Element (X)	Σ X'	Σ X	Σ X ²	No. Obs.	Mean No. of Hours with Temperature					Total
					≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	4848325	62143	70.1	7.382	929					
Dry Bulb	2690913	49665	53.4	6.449	930				1.7	93
Wet Bulb	2196667	44815	48.2	6.123	929				.5	93
Dew Point	1791663	40025	43.1	8.511	929				12.0	93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AR SPAIN/MADRID

68-77 YEARS

OCT MONTH

PAGE 1

HOURS (L.S.T.) 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
86/ 85									.0	.0	.0	.0	.0	.0	.0	.0	.0	14	14		
84/ 83									.0	.0	.0	.0	.0	.0	.0	.0	.0	29	29		
82/ 81								.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	49	49		
80/ 79								.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	48	48		
78/ 77							.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	70	70		
76/ 75							.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	89	89		
74/ 73					.1	.3	.5	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	128	128		
72/ 71			.0	.0	.3	.6	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	165	165		
70/ 69			.2	.5	.8	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	205	205			
68/ 67		.2	.6	1.2	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	342	342		2	
66/ 65		.3	1.0	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	348	348		18	
64/ 63		.5	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	420	420		68	
62/ 61	.0	.3	1.3	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	483	483		170	
60/ 59	.1	1.0	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	523	523		369	
58/ 57	.5	1.9	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	603	603		649	
56/ 55	.7	2.2	1.5	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	658	658		775	
54/ 53	.4	2.4	2.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	639	639		809	
52/ 51	.4	1.2	1.9	1.0	.8	.4	.2	.0									431	431		752	
50/ 49	.6	1.7	2.7	1.1	.9	.5	.1										561	561		688	
48/ 47	.5	1.6	2.1	.7	.7	.3	.0										448	448		735	
46/ 45	.5	2.2	.8	.9	.3	.1											359	359		670	
44/ 43	.2	1.6	.6	.8	.3	.0											262	262		526	
42/ 41	.1	1.4	.7	.3	.3												212	212		387	
40/ 39	.1	.8	.6	.2	.1												133	133		302	
38/ 37	.0	.7	.5	.2	.0												113	113		201	
36/ 35	.0	.3	.2	.1													45	45		133	
34/ 33	.0	.2	.2	.0													28	28		87	
32/ 31	.0	.1	.1														14	14		47	
30/ 29	.0	.1	.1														13	13		34	
28/ 27	.0	.0	.0														3	3		10	
26/ 25	.0	.0	.0														1	1		4	
24/ 23	.0	.0	.0														1	1		1	
22/ 21																					37
20/ 19																					16

Element (X)	ΣX'					ΣX					Mean No. of Hours with Temperature					Total					
	≥ 80 F	≥ 73 F	≥ 67 F	≥ 60 F	≥ 50 F	≥ 80 F	≥ 73 F	≥ 67 F	≥ 60 F	≥ 50 F	≥ 80 F	≥ 73 F	≥ 67 F	≥ 60 F	≥ 50 F						
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 STATION NAME TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH OCT
 PAGE 2 HOURS (L. S. T.) ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL Wet Bulb	Dew Point							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20				21-22	23-24	25-26	27-28	29-30	≥ 31	
18/17	4.4	20.0	18.8	13.7	12.4	9.5	7.1	4.9	3.6	2.2	1.6	.9	.4	.3	.1	.1	.0	7437	7440	7437	
TOTAL																					
Element (X)	Zx ²	Zx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature											Total				
Rel. Hum.	35239979	4893227	55.8	20.232	7437	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total					
Dry Bulb	24290113	418777	56.3	9.827	7440	3.2	113.9	62.7	10.5					744							
Wet Bulb	18643716	368698	49.6	7.007	7437	9.6	.2					744									
Dew Point	14584427	323409	43.5	6.366	7437	85.0					744										

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

140311 TORREJON AB SPAIN/MADRID 68-77

STATION NAME

NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dew Point
64/63										.1								1	1
60/59						.2				.1	.2							5	5
58/57		.1	.1	.3						.2								7	7
56/55		.8	1.1	.3														20	20
54/53		1.6	1.2	.8	.2						.1							35	35
52/51	.3	1.6	1.4	1.0	.3						.1							43	43
50/49	.8	3.9	3.4	.9	.3					.2	.1							87	87
48/47	.4	3.3	1.9	.9	.4					.1								64	64
46/45	1.0	6.8	1.7	1.1	.6					.1							101	101	
44/42	.9	4.6	1.8	.8	.6					.1								78	78
42/41	.4	4.9	2.4	.4	.3													73	73
40/39	.4	5.0	1.7	.2	.2													68	68
38/37	.7	5.2	3.1	.4														85	85
36/35	.8	4.4	2.9	.3														76	76
34/33		2.7	1.4	.3	.3													43	43
32/31	.2	5.1	1.2	.3														62	62
30/29	.3	2.6	.1															27	27
28/27	.4	1.6	.1															19	19
26/25	.1	.2																3	3
24/23	.2																	2	2
22/21																			
20/19																			
18/17																			
16/15																			
14/13																			
12/11																			
10/9																			
TOTAL	6.5	54.5	25.7	8.5	3.3	.9	.7										899	899	899

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

Mean No. of Hours with Temperature
 ≥ 80 F ≥ 71 F ≥ 67 F ≥ 60 F Total
 90 90 90 90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION

TORREJON AB SPAIN/MADRID
STATION NAME

68-77

YEARS

NOV
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)										TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61						.1											1	1			
60/ 59								.1									1	1			
58/ 57				.7		.2											2	18			
56/ 55			1.0	1.0	.2	.3											18	29			3
54/ 53	.1	1.4	1.2	1.2	.2	.3		.1									29	28			12
52/ 51	.2	1.0	1.2	1.2	.2	.3		.1									28	27			12
50/ 49	.4	3.3	2.2	.9	.1	.1		.1									64	64			30
48/ 47	.6	4.1	1.8	.3	.2	.2		.1									66	66			33
46/ 45	.7	5.5	1.2	1.1	.2	.2		.1									80	80			50
44/ 43	.6	5.1	1.8	.9	.1	.1		.1									77	77			56
42/ 41	.6	4.8	2.0	.4	.2	.1		.1									72	72			84
40/ 39	1.3	3.8	2.3	.3	.3	.3		.3									73	73			66
38/ 37	1.2	6.2	1.9	.4	.4	.4		.4									88	88			74
36/ 35	.6	6.8	1.4	.2	.1	.1		.1									92	82			54
34/ 33	.9	3.1	1.6	.1	.1	.1		.1									52	52			85
32/ 31	.3	4.8	.9	.4	.4	.4		.4									58	58			67
30/ 29	.7	3.8	.6	.6	.6	.6		.6									45	45			59
28/ 27	1.7	2.1	.2	.2	.2	.2		.2									36	36			68
26/ 25	.4	1.3		.4	.4	.4		.4									16	16			58
24/ 23	.6	.6		.6	.6	.6		.6									10	10			49
22/ 21	.1			.1	.1	.1		.1									1	1			34
20/ 19																					5
18/ 17																					3
16/ 15																					7
14/ 13																					1
10/ 9																					1
TOTAL	10.9	58.4	21.2	6.3	1.9	.9	.3										899	899			899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH NOV
 STATION NAME

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22					23-24	25-26	27-28
66/ 65																	1	1	
58/ 57						.2											2	2	
54/ 55	.6	.6	.6	.4	.2												14	14	4
52/ 51	.2	.6	2.0	.7	.1												30	30	9
50/ 49	.4	4.0	2.1	.9	.3	.1											32	32	21
48/ 47	.6	4.4	2.1	.3	.2												71	71	7
46/ 45	1.0	5.3	.6	1.3	.6	.2											69	69	37
44/ 43	.6	5.3	1.1	.8	.6												81	81	67
42/ 41	.6	3.9	1.6	.7													75	75	85
40/ 39	1.8	3.7	2.2	.8													60	60	62
38/ 37	1.1	5.1	1.6	.4	.2												76	76	80
36/ 35	.8	5.8	.7	.2													76	76	75
34/ 33	.4	5.7	1.6	.1													67	67	83
32/ 31	.2	5.1	.8	.4													70	70	81
30/ 29	1.1	3.9	.4	.1													59	59	59
28/ 27	1.7	1.9															50	50	63
26/ 25	.4	2.0															32	32	55
24/ 23	.4	.7															22	22	32
22/ 21	.2	.1															10	10	17
20/ 19																	3	3	3
18/ 17																			1
16/ 15																			3
TOTAL	12.1	159.0	18.4	7.6	2.2	.6											900	900	900

Element (X)	Σ X	X	Σ X ²	No. Obs.	Mean No. of Hours with Temperature					Total
					≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6256211	83.2	1.798	900						900
Dry Bulb	1504158	40.1	7.892	900	17.6					90
Wet Bulb	1350428	38.0	7.451	900	23.0					90
Dew Point	1175451	35.2	8.320	900	36.0					90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID YEARS 65-77
 NOV MONTH PAGE 1 0900-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
70/69									.1								1	1		
68/67									.1								1	1		
66/65								.1	.1								2	2		
64/63				.1				.1	.1								4	4		
62/61			.2	.4	.7			.2	.1								12	12		
60/59		.2	.4	.4	.7			.3	.1								17	17		
58/57		1.0	.4	1.1	1.0			.4	.2								34	34	5	1
56/55		1.0	1.4	2.2	1.3			.6	.2								63	63	9	13
54/53	.3	.9	3.1	2.7	1.0			.6	.1								78	78	18	20
52/51	.3	1.1	2.6	1.8	1.6			.3	.4								73	73	51	22
50/49	.2	3.1	5.6	1.4	1.1			.4	.1								107	107	93	64
48/47	.7	3.6	3.9	2.4	1.4			1.0	.1								119	119	118	88
46/45	.9	4.9	2.7	1.2	1.2			.1									99	99	117	89
44/43	.8	2.8	2.3	1.9	1.7			.1									77	77	112	107
42/41	.1	4.0	2.7	1.7	.3			.1									79	79	97	107
40/39	.6	1.8	2.0	.9	.3			.1									51	51	79	92
38/37		1.3	1.4	.3	.1												29	29	74	69
36/35	.1	1.1	1.3	.2	.1												26	26	54	80
34/33		.9	.6	.1													14	14	23	61
32/31		.4	.3														7	7	26	45
30/29	.1	.3															4	4	18	46
28/27		.1															1	1	4	39
26/25																				29
24/23																				18
22/21																				3
20/19																				7
18/17																				2
16/15																				2
12/11																				1
TOTAL	4.1	27.6	30.7	18.8	10.9	4.1	2.1	.9	.2	.4							898	898	898	898

Element (X)	ΣX ²	ΣX	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 80 F	≥ 73 F	≥ 67 F	≥ 60 F	≥ 53 F	
Rel. Hum.	4974559	65289	72.8	15.420	898						
Dry Bulb	2063495	42631	47.5	6.650	898				.2		90
Wet Bulb	1712687	38863	43.3	5.860	898				.8		90
Dew Point	1385249	34631	38.6	7.445	898						90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011
STATION

TORREJON AR SPAIN/MADRID
STATION NAME

68-77

YEARS

NOV
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
74/73									.1			.2	.3					5	5				
72/71								.1	.1			.1						3	3				
70/69					.1	.1	.3	.2	.1	.3	.4							14	14				
68/67					.4	.8	.7	.6	.2	.1								15	15				
66/65				.2	.7	1.0	.8	.2										24	24				
64/63			.2	.7	2.1	1.2	.8	.2										43	43				
62/61			.2	.3	2.1	1.1	.2											66	66	1			
60/59			.2	.7	2.7	1.7	.9	.1	.2									55	55	8			
58/57		.7	1.6	1.8	2.7	2.0	1.0	.1	.2									90	90	9			
56/55		.8	1.3	2.8	2.8	2.0	1.8	.9										111	111	44	11		
54/53		.7	2.9	2.7	3.7	2.4	1.3	.3										126	126	76	11		
52/51	.1	1.0	1.8	1.7	3.6	1.3	.4	.2	.1									92	92	119	26		
50/49	.1	2.4	3.7	1.9	2.2	1.7	.9	.1										117	117	132	56		
48/47	.6	1.0	1.2	1.1	2.2	.7												61	61	131	79		
46/45	.2	1.1	.8	1.2	1.0	.2												41	41	115	95		
44/43	.1	.7	.1	.6	.2	.2	.2	.2										17	17	101	98		
42/41	.1	.3	.1	.1	.3	.2	.2	.1										10	10	70	87		
40/39		.6	.1	.1	.1	.1	.1	.1										8	8	46	73		
38/37																		1	1	35	70		
36/35			.1															1	1	2	69		
34/33																				9	9		
32/31																				2	53		
30/29																					33		
28/27																					28		
26/25																					16		
24/23																					9		
22/21																					6		
20/19																					5		
18/17																					3		
16/15																					2		
14/13																					1		
TOTAL	1.2	9.3	14.1	15.2	24.4	41.8	0	9.6	4.8	1.4	.3	.4	.8	.3				900	900	900	900		
Element (X)	Σ X ²	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X	Σ X		
Rel. Hum.	3469784	53800	59.8	16.800														900	900	900	900		
Dry Bulb	2720277	49147	54.6	6.369														900	900	900	900		
Wet Bulb	2032296	42522	47.2	5.088														900	900	900	900		
Dew Point	1479952	35858	39.8	7.553														900	900	900	900		
																			Mean No. of Hours with Temperature				
																			≤ 0 F	≤ 32 F	≤ 67 F	≥ 80 F	Total
																					3.7	.5	90
																							90
																					15.6		90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AR SPAIN/MADRID YEARS 68-77
PAGE 1 1500-1700 HOURS (L. S. T.)
NOV MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point
76/75													.1	.2			3	3		
74/73																	7	7		
72/71										.1							3	3		
70/69										.1							5	5		
68/67					.1					.6							22	22		
66/65					.2					.7							24	24		
64/63				.1	.6					1.3							44	44		
62/61				.7	1.0					1.6							54	54		
60/59			.4	.8	2.4					2.1							74	74	4	
58/57		.4	1.2	1.9	2.1	1.7	.8	.4	.1								78	78	11	
56/55	.2	.9	1.4	2.8	3.0	2.4	1.1	1.0	.1								117	117	38	
54/53	.2	.8	2.6	2.6	2.4	2.1	.8	.4									107	107	70	
52/51	.1	1.6	2.0	2.2	2.0	.4	.4	.1									80	80	111	
50/49	.1	2.0	3.1	1.9	2.1	1.9	.3	.1									104	104	142	
48/47	.1	.8	2.4	1.2	2.2	.2	.1										64	64	131	
46/45	.3	.9	1.1	1.6	1.7	.2											52	52	120	
44/43		.8	.7	.8	.6	.7	.4										25	25	88	
42/41		.3	1.2	.3	.7	.4											27	27	75	
40/39		.3	.2	.2	.1	.1											7	7	50	
38/37			.1	.1	.1												2	2	36	
36/35				.1													1	1	12	
34/33																			6	
32/31																			4	
30/29																			2	
28/27																				
26/25																				
24/23																				
22/21																				
20/19																			4	
18/17																			2	
16/15																			1	
14/13																			4	
TOTAL	1.1	8.8	16.6	16.9	21.3	15.9	9.4	6.4	1.7	.2	.4	.8	.2				900	900	900	

Element (X)	Σ X ²	Σ X	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature													
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Rel. Hum.	3476024	53744	59.7	17.223	900														
Dry Bulb	2693762	48858	54.3	6.788	900								4.0						90
Wet Bulb	2006095	42229	46.9	5.238	900								.6						90
Dew Point	1451485	35477	39.4	7.680	900								16.4						90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS NGV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67								.1										1	1		
66/ 65								.1										2	2		
64/ 63								.1										4	4		
62/ 61								.1										9	9		
60/ 59		.1	.2	.4	.1	.3	.1	.1	.2									12	12		
58/ 57		.4	.4	1.0	.2	.6												27	27		1
56/ 55		1.2	1.3	1.7	.2	.7	.3	.1										50	50		11
54/ 53	.1	1.6	2.1	2.3	.6	.8	.1	.4										72	72		30
52/ 51	.2	2.4	4.1	1.9	.9	.9	.1											90	90		42
50/ 49	.2	4.7	6.0	2.4	1.1	.6	.3	.1										139	139		95
48/ 47	.2	2.0	5.1	2.9	1.2	.3												106	106		104
46/ 45	.2	4.3	2.4	1.8	.6													84	84		99
44/ 43	.3	4.4	2.8	2.3	.7	.1												96	96		72
42/ 41		2.6	3.4	1.1	.6	.1												70	70		77
40/ 39		1.6	2.4	1.9	.2													55	55		78
38/ 37	.1	1.6	1.8	.8	.1													39	39		75
36/ 35	.2	1.2	.8	.2														22	22		49
34/ 33		.8	.4	.3														14	14		48
32/ 31		.3	.1	.2														6	6		20
30/ 29		.2																2	2		7
28/ 27																					5
26/ 25																					2
24/ 23																					
22/ 21																					
20/ 19																					
18/ 17																					
16/ 15																					
14/ 13																					
TOTAL	1.729	4.33	6.21	3.6	2.1	3.3	6.7	4.0	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	900	900	900	900	900

Element (X)	Σ X'	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	
Rel. Hum.	4970799	65579	72.9	14.627	900						900
Dry Bulb	2043943	42509	47.2	6.341	900			.8			90
Wet Bulb	1704080	38804	43.1	5.874	900		3.4				90
Dew Point	1380711	34571	38.4	7.661	900		21.9				90

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TURREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS MONTH NOV
PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22					23-24	25-26	27-28
62/ 61					.1	.2	.1	.2	.1	.2	.1	.2					3	3	
60/ 59		.1		.2	.2	.1	.2	.1	.2	.1	.2						8	8	1
58/ 57	.2	.1	.7	.9	.3	.2	.2	.1	.2	.1	.2	.1					24	24	3
56/ 55																	36	36	13
54/ 53	.1	1.2	1.3	.8	.2	.2	.2	.1	.2	.1	.2	.1					44	44	24
52/ 51	.1	2.0	2.2	.2	.2	.2	.2	.1	.2	.1	.2	.1					98	98	61
50/ 49	.4	4.2	3.9	1.1	.6	.4	.4	.1	.6	.4	.4	.6					80	80	30
48/ 47	.1	3.8	3.1	1.0	.4	.4	.4	.1	.4	.4	.4	.6					107	107	87
46/ 45	.9	6.0	3.0	1.2	.4	.4	.4	.3	.4	.4	.4	.6					98	98	85
44/ 43	.2	4.9	3.3	1.8	.4	.4	.4	.2	.4	.4	.4	.6					103	103	106
42/ 41		6.8	3.7	.8	.2	.2	.2		.2	.2	.2	.2					85	85	94
40/ 39	.1	3.7	4.8	.8	.1	.1	.1		.1	.1	.1	.1					63	63	90
38/ 37	.1	3.7	2.7	.6													49	49	86
36/ 35	.2	2.9	2.1	.2	.2	.2	.2		.2	.2	.2	.2					44	44	57
34/ 33	.3	2.9	1.0	.4	.2	.2	.2		.2	.2	.2	.2					32	32	52
32/ 31	.1	2.1	1.2	.1	.1	.1	.1		.1	.1	.1	.1					15	15	35
30/ 29		.8	.8	.1	.1	.1	.1		.1	.1	.1	.1					3	3	19
28/ 27		.2	.1																5
26/ 25																			2
24/ 23																			2
22/ 21																			19
20/ 19																			19
18/ 17																			4
14/ 13																			3
12/ 11																			2
TOTAL	3,046	0,341	9,7	3,4	2,3	1,2	.2										900	900	900

Element (X)	Σ X'		Σ X		No. Obs.	Mean No. of Hours with Temperature					Total
	2 X'	X	2 X	X		≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5636277	78,013,440	70189	900	900						
Dry Bulb	1747147	43,66,658	39199	900	900	5.0					90
Wet Bulb	1513919	40,36,384	36463	900	900	11.3					90
Dew Point	1271864	36,87,840	33090	900	900	26.2					90

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID

68-77

NOV MONTH

PAGE 1

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/75												.0	.0					3	3		
74/73												.0	.1					12	12		
72/71												.0	.1					6	6		
70/69												.0	.1					20	20		
68/67												.0	.1					39	39		
66/65												.0	.1					53	53		
64/63												.0	.1					96	96		1
62/61												.0	.1					145	145		12
60/59												.0	.1					172	172		27
58/57												.0	.1					248	248		
56/55												.0	.1					417	417		22
54/53												.0	.1					513	513		67
52/51												.0	.1					482	482		142
50/49												.0	.1					787	787		309
48/47												.0	.1					629	629		422
46/45												.0	.1					645	645		597
44/43												.0	.1					543	543		598
42/41												.0	.1					494	494		667
40/39												.0	.1					423	423		639
38/37												.0	.1					383	383		605
36/35												.0	.1					324	324		578
34/33												.0	.1					237	237		541
32/31												.0	.1					224	224		491
30/29												.0	.1					143	143		410
28/27												.0	.1					91	91		352
26/25												.0	.1					41	41		297
24/23												.0	.1					22	22		211
22/21												.0	.1					4	4		127
20/19												.0	.1								51
18/17												.0	.1								32
16/15												.0	.1								21
14/13												.0	.1								11
12/11												.0	.1								4
10/9												.0	.1								2

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID 68-77 YEARS

DEC MONTH

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

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
60/59					.1												1	1	1
58/57																	1	1	1
56/55	.1	.4	.5	.1													4	4	2
54/53	.3	.4	.8	.1													11	11	4
52/51	.2	1.2	.4	.1	.2												19	19	12
50/49	.4	2.5	1.3	.8	.2												46	46	19
48/47	.4	3.9	1.4	.1	.3												54	54	32
46/45	1.2	4.0	1.6	.5	.3												74	74	66
44/43	.9	6.2	1.4	.5	.1												85	85	63
42/41	.6	5.5	1.7	.4	.1												77	77	93
40/39	.5	4.9	2.0	.3	.1												74	74	76
38/37	.2	6.0	2.7	.4	.1												88	88	76
36/35	.8	7.7	2.6	.2	.1												105	105	81
34/33	.3	7.4	2.0	.1	.1												92	92	127
32/31	1.0	5.2	1.1	.5	.1												73	73	87
30/29	.5	4.2	1.3	.2	.2												58	58	72
28/27	.8	2.6	.8	.1	.1												39	39	49
26/25	.9	.6															14	14	45
24/23	.3	1.0															12	12	18
22/21																	2	2	5
20/19		.2															1	1	2
18/17		.1																	1
16/15																			
14/13																			
12/11																			
8/																			
TOTAL	9.0	64.1	20.9	4.9	1.1												930	930	930

Element (X)	Σ X'	Σ X	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	6519766	77256	83.1	10.480	930							
Dry Bulb	1423933	35799	38.5	7.029	930		19.9					93
Wet Bulb	1285963	33979	36.5	6.920	930		27.9					93
Dew Point	1112282	31288	33.6	8.014	930		44.9					93

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AB SPAIN/MADRID STATION NAME TORREJON AB SPAIN/MADRID YEARS 68-77 MONTH DEC
 PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	D.B./W.B.
60/59					.1	.1											1	1		
58/57				.1	.1	.1											2	3		
56/55		.1	.6	.1													10	10	3	1
54/53		.3	.5														10	4	3	3
52/51	.4	.2	.9														23	23	9	9
50/49		3.8	1.8	.2													55	20	13	13
48/47	1.0	4.7	1.5	.1	.1												69	70	45	45
46/45	1.4	4.3	1.2	.6	.1												71	59	55	55
44/43	.4	6.1	1.4	.8	.1												82	73	57	57
42/41	.9	6.0	1.7	.1													81	77	69	69
40/39	.5	5.8	1.6	.1													75	73	80	80
38/37	.4	6.1	1.4	.2													76	78	69	69
36/35	1.3	6.5	1.8	.2													91	91	56	56
34/33	.5	6.1	1.1	.2													74	81	69	69
32/31	.4	6.0	.4	.1													65	65	93	93
30/29	1.3	2.7	1.2														48	53	74	74
28/27	.6	4.3	.4														50	58	65	65
26/25	.6	3.1															35	42	65	65
24/23	.1	.5															6	16	39	39
22/21		.1															1	6	29	29
20/19		.1															2	1	23	23
18/17		.1																		
16/15																				
14/13																				
12/11																				
TOTAL	10.1	68.5	17.6	2.9	.6	.2											930	930	930	930

Element (X)	Σ X	X	Σ X	%	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6695761	84.3	78413	9.530	930						
Dry Bulb	1324992	37.0	34384	7.606	930	28.1					93
Wet Bulb	1204816	35.2	32770	7.345	930	35.9					93
Dew Point	1049187	32.6	30281	8.250	930	47.3					93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME

68-77 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)										TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61										.1								1	1		
60/ 59										.1								1	1		
58/ 57										.1								1	1		
56/ 55			.1							.1								2	2		
54/ 53			.8	.5						.2								14	14	4	1
52/ 51			.3	.2														5	5	8	5
50/ 49	.6	1.9	1.2	.2														37	37	20	13
48/ 47	.6	3.9	1.1	.4														56	56	24	19
46/ 45	.8	5.4	.8	.1	.1													66	66	61	39
44/ 43	.6	4.7	.6	.5	.1													62	62	67	53
42/ 41	.4	4.3	.4	.4	.2													52	52	57	48
40/ 39	.5	6.8	2.5	.3	.2													96	96	67	58
38/ 37	.6	4.6	2.4															72	72	83	70
36/ 35	1.1	6.2	.9	.2														78	78	90	80
34/ 33	.9	5.2	1.3	.2														68	68	89	64
32/ 31	1.1	8.4	.9	.2														98	98	59	98
30/ 29	1.0	4.2	.2	.2														52	52	106	66
28/ 27	1.7	3.7	.6	.1														57	57	45	80
26/ 25	1.1	4.4	.2															53	53	54	56
24/ 23	.2	4.4																43	43	49	56
22/ 21	.2	1.0																11	11	36	34
20/ 19	.1	.4																5	5	10	40
18/ 17																				1	24
16/ 15																					14
14/ 13																					7
12/ 11																					4
10/ 9																					1
TOTAL	11.770	613.8	2.8	1.0	.1													930	930	930	930

Element (X)	ΣX'	ΣX	X	Σ ² X	No. Obs.	Mean No. of Hours with Temperature																	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Rel. Hum.	6765258	78652	84.8	9.316	930																		
Dry Bulb	1305612	34050	36.6	7.965	930																		93
Wet Bulb	1191032	32514	35.0	7.645	930																		93
Dew Point	1040883	30091	32.4	8.509	930																		93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 TORREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS DEC MONTH
 PAGE 1 0900-1100 HOURS (L. S. T.)

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.
64/ 63						.1											1	1	
60/ 59					.2												2	2	
58/ 57		.2	.1		.1												4	4	3
56/ 55		.3	.2	.1	.8	.1			.1								17	17	8
54/ 53	.1	1.0	1.1	.8	.6	.1											34	34	16
52/ 51	.3	.4	1.5	.8	.4	.1											33	33	24
50/ 49	.4	1.4	3.2	.9	.1	.2											58	58	24
48/ 47	.4	3.3	2.8	1.1	1.1	.1	.1										85	85	57
46/ 45	.6	5.2	2.3	1.5	.9	.1											98	98	89
44/ 43	.2	5.3	3.3	1.5	.8	.1											104	104	80
42/ 41	.2	6.0	4.5	.8	.3		.1										111	111	113
40/ 39	.3	4.7	4.1	.8	.3												95	95	102
38/ 37	.5	6.1	2.6	.8	.1												94	94	113
36/ 35	.3	5.3	1.3	.5	.1												70	70	98
34/ 33	.3	2.9	1.0	.4													43	43	85
32/ 31	.1	1.6	1.2														27	27	50
30/ 29	.3	1.7	.6														25	25	47
28/ 27	.2	1.6															17	17	24
26/ 25	.6																6	6	15
24/ 23	.6																6	6	3
22/ 21																			3
20/ 19																			21
18/ 17																			8
16/ 15																			6
14/ 13																			1
8/ 7																			2
TOTAL	4.548	629.8	9.8	5.8	1.1	.2	.1	.1									930	930	930

Element (X)	Σ X'	Σ X	Σ X ²	Σ X ³	Σ X ⁴	No. Obs.	Mean No. of Hours with Ter												
							≤ 0 F	≤ 32 F	≤ 67 F	≥ 6									
Ref. Hum.	5892259	73055	78.6	12.855		930													
Dry Bulb	1673457	38945	41.9	6.770		930		8.1											93
Wet Bulb	1451923	36282	39.0	6.265		930		14.2											93
Dew Point	1211679	32871	35.3	7.325		930		31.4											93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME 68-77 YEARS PAGE 1 1200-1400 HOURS (L. S. T.) DEC MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Wet Bulb	Dew Point
66/ 65						.1				.1							1	1		
64/ 63						.2				.4							2	2		
62/ 61				.2	.3	.5			.1	1.0							21	21		
60/ 59		.1	.2	.3	.5	.8			.1	.8							20	20		
58/ 57		.4	.3	.9	1.4	1.4			.2	1.3							53	53	3	
56/ 55		.9	1.1	1.4	1.0	1.1			.1	1.4							55	55	10	
54/ 53		.8	1.1	2.0	3.6	1.4			.1	1.4							88	88	26	
52/ 51	.3	.5	1.4	4.0	2.6	1.2			.4	1.4							97	97	43	
50/ 49		1.6	5.5	4.3	3.8	1.9				1.9							159	159	63	
48/ 47		2.6	2.9	2.5	1.5	1.2			.4	1.2							113	113	104	
46/ 45	.2	3.7	2.2	1.8	1.2	.6			.3	.6							93	93	139	
44/ 43	.1	2.3	2.4	1.4	.8	.5			.1	.5							70	71	146	
42/ 41	.1	1.9	2.5	1.6	1.0	.4				.4							70	70	119	
40/ 39		2.4	.8	1.1	.9					.9							47	47	89	
38/ 37		1.0	.5	.1	.1					.1							16	16	78	
36/ 35	.2	.5	.3	.2	.2					.2							12	12	56	
34/ 33		.3	.2	.1						.1							6	6	31	
32/ 31		.2	.3							.3							5	5	11	
30/ 29																			7	40
28/ 27																			3	38
26/ 25																				24
24/ 23																				25
22/ 21																				9
20/ 19																				11
18/ 17																				9
16/ 15																				4
14/ 13																				3
10/ 9																				1
R/ 7																				1
TOTAL		1.0	19.2	22.6	22.1	18.5	11.5	3.4	.6	.3	.4	.2					928	929	928	928

Element (X) Zx' Zx X Xa No. Obs. Mean No. of Hours with Temperature
 Rel. Hum. 4276206 61176 65.9 16.202 928
 Dry Bulb 2231708 45136 48.6 6.043 928
 Wet Bulb 1758843 40097 43.2 5.330 928
 Dew Point 1320205 34275 36.9 7.632 928

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME

68-77 YEARS

DEC MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63				.2	.1	.1	.2											6	6		
62/ 61				.4	.3	.3	.4											15	15		
60/ 59			.1	.6	.8	.4	1.0	.1	.2	.1								31	31		
58/ 57		.4	.9	.4	.2	.6	.3	.5	.1	.1	.1							34	34		3
56/ 55		.8	.8	.9	1.3	.6	.1	.1	.1	.1								44	44		14
54/ 53	.1	.9	1.4	1.4	3.9	1.2	.1	.1	.1	.1								84	84		28
52/ 51		.8	2.7	2.7	3.1	1.0	.1	.1										96	96		10
50/ 49	.1	1.7	4.2	4.0	3.1	.9	.4											134	134		19
48/ 47	.2	2.3	3.5	2.7	1.1	.8	.4											103	103		25
46/ 45	.1	3.4	2.6	2.9	1.6	.6												105	105		33
44/ 43	.1	2.7	2.6	1.6	1.6	.1												81	81		52
42/ 41	.1	3.1	3.2	2.3	1.2	.4	.1											97	97		65
40/ 39		1.1	1.3	.9	.5													37	37		100
38/ 37		2.0	1.0	.4	.3													35	35		120
36/ 35	.1	.3	.6	.4	.2													16	16		104
34/ 33		.4	.4	.2														10	10		65
32/ 31			.2															2	2		40
30/ 29																					11
28/ 27																					43
26/ 25																					32
24/ 23																					29
22/ 21																					13
20/ 19																					11
18/ 17																					9
16/ 15																					3
12/ 11																					1
10/ 9																					3
TOTAL		.9	19.9	25.7	22.0	19.4	7.1	3.2	1.0	.4	.3	.1						930	930		930

Element (X)	Σ X'	Σ X	X	X ²	No. Obs.	Mean No. of Hours with Temperature				Total
						≤ 0 F	≥ 32 F	≥ 73 F	≥ 80 F	
Rel. Hum.	4443947	62571	67.3	45.873	930					
Dry Bulb	2177290	44626	48.0	6.218	930					93
Wet Bulb	1736240	39850	42.8	5.557	930					93
Dew Point	1321121	34303	36.9	7.754	930					93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 STATION NAME TURREJON AIR SPAIN/MADRID YEARS 68-77 MONTH DEC
 PAGE 1 1800-2000 HOURS (L. S. T.)

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
62/ 61					.1												1	1		
60/ 59					.1												1	1		
58/ 57		.1	.4	.1													2	11	4	1
56/ 55	.1	.4	.4	.1													11	20	8	6
54/ 53	.1	.5	1.1	.4	.9												20	40	15	7
52/ 51	.3	1.7	.9	.4	.9			.1									40	70	31	21
50/ 49	.2	2.7	2.8	1.3	.5												95	95	51	32
48/ 47	.5	4.6	3.7	.4	.6	.3											117	117	84	51
46/ 45	.6	6.3	3.4	1.4	.5	.2											123	123	109	73
44/ 43	.2	7.2	3.0	1.9	.8	.1											94	94	112	62
42/ 41	.2	5.3	3.9	.6	.1												103	103	104	75
40/ 39		4.3	5.4	1.2	.1												87	87	114	101
38/ 37	.2	4.3	3.9	.9	.1												62	62	95	107
36/ 35		2.8	2.6	1.2	.1												37	37	78	95
34/ 33	.3	1.6	1.5	.3	.2												48	48	46	57
32/ 31	.1	2.6	2.2	.3													11	11	41	55
30/ 29		.9	.2	.1													7	7	28	39
28/ 27	.1	.5	.1														1	1	2	33
26/ 25		.1																		
24/ 23																				
22/ 21																				
20/ 19																				
18/ 17																				
16/ 15																				
14/ 13																				
12/ 11																				
10/ 9																				
TOTAL	3,146	0,025	110.8	4.2	.4	.3											930	930	930	930

USAF/ETAC
FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX	ΣX ²	X̄	S _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5807693		78.01	12.428	930						93
Dry Bulb	1697208		42.3	6.028	930	6.7					93
Wet Bulb	1478480		39.4	6.049	930	12.5					93
Dew Point	1236078		35.6	7.665	930	31.5					93

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 14011 STATION NAME TURREJON AB SPAIN/MADRID YEARS 68-77 MONTH DEC
 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
58/ 57			.1														1	1		
56/ 55		.5															5	5	1	
54/ 53		.6	.6	.2													14	14	8	4
52/ 51	.2	1.3	.5														20	20	7	6
50/ 49		1.7	1.3	.4	.2	.1											35	35	23	10
48/ 47	.3	3.7	1.9	.2	.1												58	58	25	18
46/ 45	1.1	6.3	1.8	.4	.1	.1											92	92	76	48
44/ 43	.4	7.5	1.6	.8			.1										97	97	95	68
42/ 41	.3	6.5	2.9	1.5	.1												105	105	88	75
40/ 39	.1	5.7	3.8	.4	.1												94	94	70	63
38/ 37	.2	7.5	2.8	.9													106	106	87	86
36/ 35	.2	6.2	2.0	.9	.1												88	88	120	68
34/ 33	.5	4.7	1.6	.1													65	65	98	93
32/ 31	.4	4.4	1.1	.3													58	58	76	80
30/ 29	.3	3.4	.6	.1													42	42	75	75
28/ 27	.3	1.9	1.0	.2													32	32	36	71
26/ 25	.3	.6															9	9	28	57
24/ 23		.6	.1														7	7	11	51
22/ 21		.1															1	1	4	14
20/ 19		.1															1	1	1	19
18/ 17																			1	5
16/ 15																			8	8
14/ 13																			6	6
12/ 11																			3	3
TOTAL	4.863	723.9	6.5	.9	.2	.1											930	930	930	930

Element (X)	ΣX'	ΣX	X̄	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.	6318509	75977	81.710	956	930							930
Dry Bulb	1492592	36744	39.5	6.631	930	15.0						93
Wet Bulb	1333821	34679	37.3	6.616	930	23.2						93
Dew Point	1145456	31802	34.2	7.899	930	38.9						93

PSYCHROMETRIC SUMMARY

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

STATION 14011 STATION NAME TORREJON AR SPAIN/MADRID YEARS 68-77 MONTH DEC
 PAGE 1 HOURS (L. S. T.) 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.	Wet Bulb	Dew Point	
66/65																	1	1			
64/63																	9	9			
62/61																	38	38			
60/59																	57	57			
58/57																	99	99	6	3	
56/55																	140	140	34	43	
54/53																	275	275	89	78	
52/51																	320	320	136		
50/49																	562	562	255	127	
48/47																	619	619	416	183	
46/45																	714	714	728	385	
44/43																	693	694	761	502	
42/41																	688	688	767	573	
40/39																	627	627	674	631	
38/37																	573	573	708	743	
36/35																	507	507	683	700	
34/33																	412	412	627	579	
32/31																	385	385	432	664	
30/29																	253	253	460	531	
28/27																	200	200	241	474	
26/25																	133	133	208	365	
24/23																	103	103	125	354	
22/21																	18	18	64	159	
20/19																	9	9	19	140	
18/17																	3	3	3	97	
16/15																		2	2	45	
14/13																				36	
12/11																				16	
10/9																				7	
8/7																				3	
TOTAL	5.650	1.123	7.102	6.4	2.6	.9	.2	.1	.1	.0							7438	7439	7438	7438	

USAF ETAC FORM 0-26-5 (OLA) JUL 64

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

This form is used to report psychrometric data for use in the design and operation of air conditioning systems. It is not to be used for other purposes.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 TURREJON AR SPAIN/MADRID
STATION NAME

68-78
YEARS

ALL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb Dew Point
106/105																	.0	3	3
104/103																	.0	8	8
102/101																	.0	23	23
100/99																.1	83	83	
98/97													.0	.0	.0	.2	155	155	
96/95												.0	.0	.0	.1	.2	290	290	
94/93												.0	.0	.1	.1	.2	367	367	
92/91									.0	.0	.0	.0	.1	.1	.1	.1	433	433	
90/89									.0	.0	.0	.0	.1	.2	.2	.1	774	774	
88/87									.0	.0	.1	.2	.2	.2	.1	.1	843	843	
86/85								.0	.0	.1	.2	.3	.3	.3	.3	.1	1264	1264	
84/83							.0	.0	.1	.2	.4	.4	.3	.2	.1	.0	1209	1209	
82/81						.0	.0	.0	.1	.2	.3	.4	.3	.2	.0	.0	1457	1457	
80/79					.0	.0	.0	.1	.2	.4	.3	.3	.2	.1	.0	.0	1511	1511	
78/77				.0	.0	.0	.1	.2	.4	.4	.3	.3	.1	.0	.0	.0	1504	1504	
76/75			.0	.0	.0	.1	.3	.3	.5	.4	.3	.1	.0	.0	.0	.0	1776	1776	
74/73	.0					.0	.3	.3	.5	.4	.3	.1	.0	.0			1812	1812	
72/71		.0	.0	.0	.0	.1	.3	.4	.5	.4	.3	.1	.0	.0			1910	1910	
70/69		.0	.0	.1	.1	.3	.3	.5	.5	.4	.2	.0	.0	.0			2206	2206	
68/67		.0	.1	.1	.5	.7	.6	.6	.4	.2	.1	.0	.0	.0			2954	2954	
66/65	.0	.0	.2	.3	.6	.7	.6	.5	.2	.1	.0	.0	.0	.0			2707	2707	
64/63	.0	.1	.3	.6	.5	.7	.6	.4	.2	.1	.0	.0	.0	.0			3255	3255	
62/61	.0	.2	.5	.6	.7	.8	.6	.4	.2	.0	.0	.0	.0	.0			3519	3519	
60/59	.0	.3	.5	.7	.9	.7	.6	.3	.1	.0	.0	.0	.0	.0			3568	3568	
58/57	.1	.6	.6	.6	.9	.7	.4	.2	.1	.0	.0	.0	.0	.0			3866	3866	
56/55	.1	.8	.9	.9	.9	.6	.4	.1	.0	.0	.0	.0	.0	.0			4237	4237	
54/53	.1	.9	1.2	1.2	.9	.6	.3	.1	.0	.0	.0	.0	.0	.0			4650	4650	
52/51	.1	.8	1.3	.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0			3776	3776	
50/49	.1	1.5	2.2	1.0	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0			5593	5593	
48/47	.2	1.6	1.8	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0			4720	4720	
46/45	.2	2.3	1.2	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0			4562	4562	
44/43	.2	2.2	1.1	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0			4196	4196	
42/41	.1	2.1	1.3	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0			3917	3917	
40/39	.1	1.5	1.3	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0			3179	3179	
ΣX ²																		4536	4536
Element (X)																			

Element (X)	Mean No. of Hours with Temperature				Total
	≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14011 STATION TURREJON AR SPAIN/MADRID 68-78
 STATION NAME YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
38/ 37	.1	1.5	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		2650	2650	4121	6311
36/ 35	.1	1.5	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		2319	2319	3458	5618
34/ 33	.1	1.2	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1870	1870	3031	4468
32/ 31	.1	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1634	1635	2149	4617
30/ 29	.1	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1088	1088	2030	3635
28/ 27	.2	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		767	767	1202	3103
26/ 25	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		446	446	732	2401
24/ 23	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		262	262	372	2112
22/ 21	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		70	70	175	926
20/ 19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		22	23	62	635
18/ 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		7	7	15	374
16/ 15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		5	5	3	173
14/ 13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		2	2	6	135
12/ 11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1	1	3	57
10/ 9																					44
8/ 7																					25
6/ 5																					5
4/ 3																					5
2/ 1																					9
0/ -1																					13
-2/ -3																					2
TOTAL	2.5	22.7	17.9	1.2	9.9	7.8	6.2	4.7	3.8	2.8	2.3	2.2	1.7	1.3	1.0	.8	1.1	87470	87478	87478	87470
Element (X)	Z X ²	Z X	X	X ²	No. Obs.	Mean No. of Hours with Temperature											Total				
Rel. Hum.	381626807	5450257	62.3	21.921	87470	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	290283757	4855347	55.5	15.418	87478	430.2	22059.6	1351.7	742.6	92.9	8760										
Wet Bulb	205827621	4153911	47.5	9.893	87470	674.7	49.0	.3	8760												
Dew Point	151309561	3544769	40.5	9.356	87470	1.5	829.2	.7	.1	8760											

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/TAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14011 TURREJUN AB SPAIN/MADRID 68-78

STATION NAME

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	38.0 7.084 930	38.8 6.561 846	40.7 6.275 930	45.7 6.156 819	50.7 6.720 929	58.6 6.442 900	66.4 5.832 930	65.5 6.337 930	58.5 6.425 899	50.8 6.471 930	42.0 7.385 899	38.5 7.029 930	49.6 12.102 10872
03-05	36.7 7.523 930	37.1 7.165 846	38.1 6.738 930	42.5 6.576 833	47.3 6.398 929	54.3 5.683 899	61.0 5.422 930	60.6 5.649 930	54.7 5.965 900	48.0 6.835 930	47.3 7.700 899	37.0 7.606 930	46.5 11.108 10886
06-08	36.1 8.047 929	36.7 7.307 846	38.5 6.930 930	45.2 6.686 899	52.3 7.133 930	60.4 6.510 900	67.2 6.211 929	64.2 6.507 930	56.6 6.400 900	48.5 7.198 930	47.1 7.892 900	36.6 7.965 930	48.6 13.030 10953
09-11	41.1 6.969 929	42.4 5.913 846	47.4 6.145 930	54.4 6.101 900	61.3 7.863 928	70.3 7.558 900	78.8 5.978 930	76.2 6.415 930	67.9 6.734 900	58.7 6.850 930	47.5 6.650 898	41.9 6.770 930	57.5 14.571 10951
12-14	49.0 5.864 930	50.6 5.403 846	54.0 6.531 930	60.2 7.111 899	66.7 9.115 929	76.3 8.733 900	86.2 6.615 929	83.9 7.039 930	75.6 7.653 900	65.9 7.399 930	54.6 6.369 900	48.6 6.043 929	64.3 14.927 10952
15-17	42.5 6.299 930	51.8 5.794 846	55.1 7.097 930	61.3 7.701 900	67.7 9.619 930	77.3 9.400 900	88.2 6.700 930	85.8 7.288 930	77.1 8.345 900	66.4 8.100 930	54.3 6.788 900	48.0 6.218 930	65.2 15.635 10956
18-20	42.6 5.854 929	45.5 5.789 846	49.4 6.716 930	56.3 7.288 900	62.9 9.257 930	72.8 9.220 900	83.3 7.235 930	80.3 7.835 930	70.0 8.127 900	58.6 7.044 930	47.2 6.341 900	42.3 6.028 930	59.3 15.785 10955
21-23	39.5 6.469 930	41.2 4.262 846	43.7 5.972 929	49.6 5.173 900	55.0 7.381 928	63.5 7.035 900	72.4 6.041 930	70.3 6.304 930	62.2 6.529 900	53.4 6.449 930	43.6 6.658 900	39.5 6.631 930	52.9 13.156 10953
ALL HOURS	41.3 8.080 7437	43.1 8.320 6768	45.8 9.060 7429	52.1 9.512 7050	58.0 10.773 7423	66.7 11.160 7199	75.4 11.356 7438	73.3 11.186 7440	65.3 10.707 7199	56.3 9.827 7440	46.2 8.854 7196	41.5 8.084 7439	55.5 15.418 87478

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14011 TURREJON AR SPAIN/MADRID 68-78 YEARS

HRS (LST)	STATION NAME												ANNUAL	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
00-02	MEAN	37.1	36.4	37.6	41.8	46.6	53.0	55.5	54.8	51.4	46.8	39.5	36.5	44.7
	S D	6.959	6.473	6.217	5.881	5.617	5.085	4.779	5.115	5.650	6.546	6.999	6.920	9.491
	TOTAL OBS	930	846	930	819	929	900	930	930	930	899	930	930	10872
03-05	MEAN	35.0	33.1	35.6	39.5	44.3	50.5	53.1	52.5	49.4	44.9	38.1	35.2	42.8
	S D	7.282	7.015	6.630	6.304	5.849	5.122	4.951	5.169	5.605	6.903	7.284	7.345	9.390
	TOTAL OBS	930	846	930	833	928	899	930	930	900	930	899	930	10885
06-08	MEAN	34.5	34.9	36.0	41.6	47.8	54.2	56.8	54.9	50.9	45.3	38.0	35.0	44.2
	S D	7.763	7.175	6.759	6.370	5.786	4.872	4.721	5.006	5.595	7.010	7.451	7.645	10.434
	TOTAL OBS	928	846	930	899	930	900	929	930	930	900	900	930	10951
09-11	MEAN	38.3	39.6	41.7	47.0	52.3	58.1	61.3	60.3	57.0	51.4	43.3	39.0	49.2
	S D	6.144	5.718	5.647	5.405	5.434	4.576	3.733	4.084	4.696	5.636	5.860	6.265	9.892
	TOTAL OBS	928	846	930	900	928	900	930	930	930	900	898	930	10949
12-14	MEAN	47.5	43.6	44.9	49.6	54.1	59.6	62.1	61.5	58.8	54.6	47.2	43.2	51.9
	S D	5.161	4.903	5.409	5.383	5.331	4.312	3.480	3.830	4.464	5.077	5.088	5.330	8.673
	TOTAL OBS	930	846	930	899	929	930	929	930	900	930	900	928	10951
15-17	MEAN	49.8	44.0	45.1	49.5	53.9	59.0	61.3	60.6	58.0	54.1	46.9	42.8	51.6
	S D	5.230	4.871	5.279	5.220	5.194	4.096	3.149	3.425	4.113	5.098	5.238	5.557	8.353
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
18-20	MEAN	36.5	41.0	42.9	47.7	52.4	58.0	60.1	59.1	55.7	51.0	43.1	39.4	49.2
	S D	5.762	5.528	5.607	5.601	5.447	4.498	3.401	3.757	4.551	5.620	5.874	6.049	9.184
	TOTAL OBS	929	846	929	900	930	900	930	930	900	930	900	930	10954
21-23	MEAN	37.3	38.1	39.6	44.2	49.0	54.9	57.1	56.0	52.6	48.2	40.5	37.3	46.3
	S D	6.380	6.019	5.794	5.645	5.468	4.832	4.347	4.459	5.008	6.123	6.384	6.616	9.267
	TOTAL OBS	930	846	929	900	928	900	930	930	900	929	900	930	10952
ALL HOURS	MEAN	38.3	39.1	40.4	45.2	50.0	55.9	58.4	57.4	54.2	49.6	42.1	38.6	47.5
	S D	7.055	6.893	6.916	6.779	6.483	5.580	5.129	5.388	6.011	7.007	7.202	7.155	9.893
	TOTAL OBS	7435	6768	7438	7050	7432	7199	7438	7440	7199	7437	7196	7438	87470

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14011 TURREJON AR SPAIN/MADRID 68-78

STATION STATION NAME YEARS

HRS (U.S.)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	33.4	33.0	33.3	37.1	42.7	48.3	46.8	46.0	45.1	42.8	36.2	33.6	39.9
S D	7.977	7.686	6.992	7.263	6.417	6.613	7.598	7.500	7.744	8.527	6.105	8.014	9.534
TOTAL OBS	930	846	930	819	929	900	930	930	899	930	899	930	10872
MEAN	32.2	32.0	31.9	35.8	41.2	47.1	46.3	45.4	44.5	41.5	35.1	32.6	38.8
S D	8.215	8.176	8.044	7.318	6.558	6.250	7.226	7.320	7.305	8.511	6.252	8.250	9.641
TOTAL OBS	930	846	930	833	928	899	930	930	900	930	899	930	10885
MEAN	31.9	32.0	32.4	37.4	43.6	49.3	48.9	47.4	45.9	41.9	35.2	32.4	39.9
S D	8.661	8.259	8.078	7.632	6.448	6.158	6.727	6.729	7.030	8.397	6.320	6.509	10.185
TOTAL OBS	928	846	930	899	930	900	929	930	900	929	900	930	10951
MEAN	34.6	34.8	34.7	39.4	44.7	49.4	50.0	49.6	48.8	45.2	39.6	35.3	42.1
S D	7.418	7.555	8.316	7.706	6.699	6.380	6.402	6.541	6.606	7.718	7.445	7.325	9.502
TOTAL OBS	929	846	930	900	928	900	930	930	900	929	898	930	10949
MEAN	36.2	35.7	34.0	39.6	44.0	48.0	47.5	47.4	47.2	45.4	39.8	36.9	41.9
S D	7.289	7.966	8.761	7.774	6.879	6.496	6.679	6.754	7.164	7.808	7.553	7.652	8.940
TOTAL OBS	930	846	930	899	929	900	929	930	900	930	900	928	10951
MEAN	36.3	35.1	34.0	38.4	42.7	46.6	44.9	44.7	44.5	44.1	39.4	36.9	40.7
S D	7.315	8.152	8.573	7.886	7.050	6.787	6.486	6.562	7.308	8.173	7.680	7.754	8.613
TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
MEAN	35.6	35.4	35.3	39.2	43.6	47.5	45.0	44.6	44.5	44.0	38.4	35.6	40.8
S D	7.106	7.492	8.105	8.002	7.158	7.444	7.098	6.863	7.471	8.406	7.661	7.665	8.717
TOTAL OBS	929	846	929	900	930	900	930	930	900	930	900	930	10954
MEAN	34.2	33.9	34.2	38.4	43.3	48.0	45.6	44.8	44.2	43.1	36.8	34.2	40.1
S D	7.338	7.475	7.864	7.565	6.717	7.184	7.943	7.570	7.674	8.511	7.840	7.899	9.164
TOTAL OBS	930	846	929	900	928	900	930	930	900	929	900	930	10952
MEAN	34.3	34.0	33.8	38.2	43.2	48.0	46.9	46.3	45.6	43.5	37.4	34.7	40.5
S D	7.828	7.973	8.285	7.746	6.813	6.739	7.242	7.178	7.450	8.366	8.051	8.064	9.356
TOTAL OBS	7435	6768	7438	7050	7432	7199	7438	7440	7199	7437	7196	7438	87470

RELATIVE HUMIDITY

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

14011
 STATION

TURREJON AB SPAIN/MADRID
 STATION NAME

69-78
 PERIOD

JAN
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	00-02	100.0	100.0	100.0	100.0	100.0	97.6	89.4	74.1	25.8	83.7	930	
	03-05	100.0	100.0	100.0	100.0	99.5	97.4	90.0	76.6	28.2	84.2	930	
	06-08	100.0	100.0	99.9	99.9	99.7	98.4	91.1	79.5	30.6	84.9	928	
	09-11	100.0	100.0	99.9	99.5	97.0	89.4	73.6	51.6	16.1	78.3	928	
	12-14	100.0	99.8	99.5	94.3	80.1	61.1	41.5	19.6	3.9	65.5	930	
	15-17	100.0	99.9	98.4	92.3	78.1	59.0	40.1	19.6	5.6	64.8	930	
	18-20	100.0	100.0	100.0	99.9	98.1	89.2	69.2	44.1	12.7	77.1	929	
	21-23	100.0	100.0	100.0	100.0	99.9	97.8	83.8	60.9	16.6	81.4	930	
TOTALS		100.0	100.0	99.7	98.2	94.1	36.2	72.3	53.3	17.4	77.5	7435	

RELATIVE HUMIDITY

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

STATION 14011 STATION NAME TORREJON AB SPAIN/MADRID PERIOD 68-77 MONTH MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.8	99.2	97.0	86.5	66.7	41.5	9.4	75.7	930
	03-05	100.0	100.0	100.0	99.6	98.1	91.7	76.9	55.5	13.8	78.9	930
	06-08	100.0	100.0	100.0	99.7	98.1	92.0	76.1	53.5	16.7	79.2	930
	09-11	100.0	99.7	98.2	91.8	77.3	54.6	36.3	14.9	2.5	63.3	930
	12-14	100.0	98.7	90.9	71.9	47.0	26.2	12.5	4.0	.8	50.7	930
	15-17	100.0	98.1	85.8	59.4	38.4	21.5	11.4	4.5	.6	47.6	930
	18-20	100.0	99.8	96.4	88.2	69.6	50.2	32.4	11.4	2.8	60.7	929
	21-23	100.0	100.0	99.2	97.5	91.1	75.9	52.0	27.1	5.1	70.5	929
TOTALS		100.0	99.5	96.2	88.4	77.1	62.3	45.5	26.6	6.5	65.8	7438

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 STATION TORREJEN AB SPAIN/MADRID STATION NAME 6877 PERIOD APR MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	95.5	81.8	59.2	30.8	6.0	72.8	819
	03-05	100.0	100.0	100.0	100.0	98.6	91.4	74.8	46.0	9.2	77.6	833
	06-08	100.0	100.0	100.0	99.8	96.0	84.4	70.2	36.9	7.0	74.9	899
	09-11	100.0	100.0	98.7	90.3	68.0	42.7	25.1	5.7	.3	58.4	900
	12-14	100.0	100.0	90.8	65.5	40.4	18.0	9.2	3.1	.2	48.4	899
	15-17	100.0	98.3	81.6	54.1	34.9	16.6	9.9	4.3	.3	45.4	900
	18-20	100.0	99.8	93.9	77.2	55.8	37.8	21.6	7.6	1.6	55.1	900
	21-23	100.0	100.0	99.8	97.0	83.8	63.7	43.8	17.7	4.2	66.6	900
TOTALS		100.0	99.8	95.6	85.5	71.6	54.6	39.2	19.0	3.6	62.4	7050

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION 14011 STATION NAME TORREJON AB SPAIN/MADRID PERIOD 68-77 MONTH JUN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.		
		10%	20%	30%	40%	50%	60%	70%	80%	90%					
JUN	00-02	100.0	100.0	99.3	95.4	86.0	71.6	54.8	32.4	12.3				70.7	900
	03-05	100.0	100.0	100.0	99.4	96.7	86.5	72.1	47.2	20.9				77.8	899
	06-08	100.0	100.0	99.2	96.1	85.8	68.2	49.9	25.4	9.1				68.9	900
	09-11	100.0	99.4	91.2	69.9	43.3	23.3	10.7	4.2	1.8				49.9	900
	12-14	100.0	95.6	67.7	39.1	19.0	10.4	5.6	2.6	.7				39.5	900
	15-17	99.9	89.6	54.0	30.3	19.0	12.3	7.0	3.4	1.0				37.2	900
	18-20	100.0	93.7	71.0	49.3	31.7	22.9	14.9	7.2	1.2				44.8	900
	21-23	100.0	59.8	95.6	82.3	65.9	46.9	33.4	15.9	5.9				59.9	900
	TOTALS	100.0	97.3	84.9	70.2	55.9	42.8	31.1	17.3	6.6				56.1	7199

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011
 STATION

TORREJON AB SPAIN/MADRID
 STATION NAME

63-77
 PERIOD

JUL
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	40%	50%	60%	70%	80%	90%			
JUL	00-02	100.0	99.9	93.0	45.8	25.5	12.8	3.6	1.0		51.2	930
	03-05	100.0	100.0	99.4	71.8	43.3	25.9	10.5	1.8		60.0	930
	06-08	100.0	100.0	97.1	52.5	29.1	14.2	5.3	1.1		53.7	929
	09-11	100.0	95.6	74.6	11.3	4.4	1.2	.6	.1		38.1	930
	12-14	100.0	75.1	30.5	6.4	1.7	1.0	.2	.1		27.6	929
	15-17	99.9	56.2	16.0	2.6	.9	.1	.1			23.7	930
	18-20	100.0	70.5	30.9	7.1	3.9	1.2	.5	.2		28.3	930
	21-23	100.0	96.8	71.2	21.2	11.7	6.5	2.3	.3		40.8	930
TOTALS		100.0	86.8	64.1	26.9	15.1	7.9	3.1	.6		60.4	7438

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 STATION TORREJON AB SPAIN/MADRID STATION NAME PERIOD 68-77 MONTH AUG

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%			
AUG	00-02	100.0	99.7	95.1	76.5	49.5	20.2	10.3	4.9	1.1	51.2	930	
	03-05	100.0	100.0	98.3	91.2	73.1	44.0	20.1	5.3	1.7	58.8	930	
	06-08	100.0	99.9	98.4	87.2	64.4	36.5	15.5	5.5	1.5	56.2	930	
	09-11	100.0	97.5	80.5	45.8	17.3	5.9	2.6	1.0		40.8	930	
	12-14	99.7	85.8	35.6	10.9	4.3	2.7	1.6	.6	.2	29.6	930	
	15-17	99.5	65.6	18.5	7.5	4.7	2.3	1.3	.3		25.4	930	
	18-20	99.8	81.3	36.7	15.1	8.5	5.4	2.9	1.3	.1	30.7	930	
	21-23	100.0	98.1	78.6	47.8	21.5	12.2	7.6	3.2	.4	42.6	930	
TOTALS		99.9	91.0	67.7	47.8	30.4	16.2	7.7	2.8	.6	41.9	7440	

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 STATION

TURREJON AB SPAIN/MADRID STATION NAME

68-77 PERIOD

SEP MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%				
SEP	00-02	100.0	100.0	98.4	94.0	76.1	51.1	34.5	15.7	3.6			62.9	899
	03-05	100.0	100.0	100.0	97.7	91.6	70.4	51.3	23.7	5.2			69.6	900
	06-08	100.0	100.0	99.8	97.6	89.2	69.3	49.6	22.4	5.4			68.9	900
	09-11	100.0	99.7	96.3	77.9	49.4	24.9	13.6	5.1	1.8			52.4	900
	12-14	100.0	95.0	69.4	35.7	17.4	8.6	3.9	2.0	.7			38.9	900
	15-17	100.0	87.2	46.2	24.6	13.0	8.2	5.3	2.6	.8			34.3	900
	18-20	100.0	95.9	73.6	46.6	27.4	16.7	9.7	4.6	1.4			43.1	900
	21-23	100.0	99.9	94.4	76.7	53.0	32.6	19.3	8.6	2.3			54.3	900
TOTALS		100.0	97.2	84.8	68.9	52.1	35.2	23.4	10.6	2.7			53.1	7199

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

14011 STATION TURREJON AB SPAIN/MADRID STATION NAME 68-77 PERIOD NOV MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
NOV	00-02	100.0	100.0	100.0	99.0	96.8	91.9	81.2	60.3	23.1		80.7	899
	03-05	100.0	100.0	100.0	99.3	97.3	93.2	84.4	68.1	29.3		82.5	899
	06-08	100.0	100.0	100.0	99.8	98.2	93.3	85.3	70.9	31.6		83.2	900
	09-11	100.0	100.0	99.3	96.4	90.8	78.1	60.2	34.6	11.8		72.8	898
	12-14	100.0	99.7	97.1	87.9	68.3	43.7	29.0	13.7	4.0		59.8	900
	15-17	100.0	98.8	97.2	86.6	68.4	44.1	30.2	11.9	4.4		59.7	900
	18-20	100.0	100.0	98.8	97.1	91.1	80.0	62.1	34.1	9.0		72.9	900
	21-23	100.0	100.0	99.9	98.4	95.2	89.1	74.0	50.2	18.9		78.0	900
TOTALS		100.0	99.8	99.0	95.6	88.3	76.7	63.3	43.0	16.5		73.7	7196

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION 14011 TURREJON AB SPAIN/MADRID PERIOD 68-78 MONTH ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.		
		10%	20%	30%	40%	50%	60%	70%	80%	90%					
JAN	ALL	100.0	100.0	99.7	98.2	94.1	86.2	72.3	53.3	17.4				77.5	7435
FEB		100.0	99.9	98.8	95.3	86.4	75.3	58.6	38.5	14.9				72.3	6768
MAR		100.0	99.5	96.3	88.4	77.1	62.3	45.5	26.6	6.5				65.8	7438
APR		100.0	99.8	95.6	85.5	71.6	54.6	39.2	19.0	3.6				62.4	7050
MAY		100.0	98.9	93.1	81.8	68.1	53.0	39.8	22.5	6.8				61.9	7432
JUN		100.0	97.3	84.9	70.2	55.9	42.8	31.1	17.3	6.6				56.1	7199
JUL		100.0	86.6	64.1	44.0	26.9	15.1	7.9	3.1	.6				40.4	7438
AUG		99.9	91.0	67.7	47.8	30.4	16.2	7.7	2.8	.6				41.9	7440
SEP		100.0	97.2	84.8	68.9	52.1	35.2	23.4	10.6	2.7				53.1	7199
OCT		100.0	99.4	95.3	86.8	74.7	59.8	46.1	27.9	12.2				65.8	7437
NOV		100.0	99.8	99.0	95.6	88.3	76.7	63.3	43.0	16.5				73.7	7196
DEC		100.0	99.9	99.6	98.5	94.4	86.0	73.8	54.1	19.3				78.0	7438
TOTALS		100.0	97.5	89.9	80.1	68.3	55.3	42.4	26.6	9.0				62.4	87670

U S AIR FORCE
 ENVIRONMENTAL TECHNICAL
 APPLICATIONS CENTER

PART F

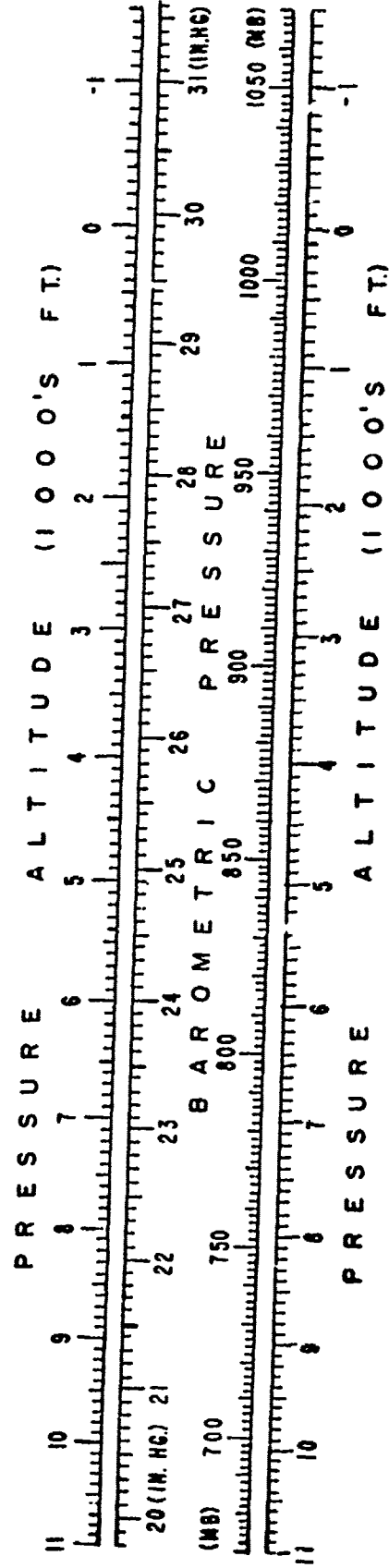
PRESSURE SUMMARY

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

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

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

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



DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION 14011 TURREJON AR SPAIN/MADRID 68-78 YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	27.986	27.944	27.912	27.889	27.902	27.945	27.970	27.954	27.984	28.013	28.017	27.962
	S D	.253	.230	.193	.188	.142	.115	.089	.090	.113	.170	.194	.257
	TOTAL OBS	310	282	310	273	310	300	310	310	300	310	300	310
03	MEAN	27.980	27.932	27.897	27.876	27.890	27.938	27.966	27.950	27.978	28.001	28.004	27.952
	S D	.252	.233	.196	.189	.147	.119	.092	.089	.117	.172	.197	.256
	TOTAL OBS	310	282	310	273	309	299	310	310	300	310	300	310
06	MEAN	27.971	27.926	27.899	27.890	27.902	27.953	27.983	27.964	27.988	28.007	28.012	27.957
	S D	.252	.239	.197	.192	.150	.121	.094	.091	.120	.174	.201	.259
	TOTAL OBS	310	282	310	299	310	300	309	310	300	310	300	310
09	MEAN	28.002	27.951	27.923	27.910	27.915	27.962	27.992	27.978	28.013	28.037	28.031	27.979
	S D	.251	.244	.199	.192	.150	.119	.092	.088	.120	.176	.202	.260
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310
12	MEAN	27.996	27.946	27.910	27.890	27.897	27.942	27.970	27.955	27.990	28.015	28.014	27.962
	S D	.245	.240	.196	.189	.145	.115	.089	.087	.115	.171	.197	.258
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310
15	MEAN	27.955	27.902	27.865	27.851	27.864	27.907	27.929	27.913	27.948	27.974	27.975	27.922
	S D	.240	.232	.190	.184	.141	.110	.088	.085	.110	.164	.191	.254
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310
18	MEAN	27.967	27.912	27.869	27.846	27.855	27.894	27.909	27.896	27.943	27.981	27.991	27.921
	S D	.241	.229	.185	.182	.135	.107	.088	.083	.108	.161	.189	.255
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310
21	MEAN	27.983	27.939	27.902	27.887	27.892	27.930	27.947	27.936	27.977	28.007	28.012	27.952
	S D	.248	.230	.186	.184	.134	.109	.088	.087	.109	.165	.190	.257
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310
ALL HOURS	MEAN	27.980	27.931	27.897	27.880	27.890	27.934	27.958	27.943	27.978	28.004	28.006	27.951
	S D	.248	.235	.193	.188	.144	.116	.094	.091	.116	.170	.195	.257
	TOTAL OBS	2480	2256	2480	2345	2477	2399	2478	2480	2400	2480	2400	2480